

WHITTIER



ROCKHOUNDING

GEM & MINERAL
SOCIETY

PROGRAM FOR DECEMBER :
POTLUCK AT 6:30!!



DECEMBER 1998

ROCKHOUNDER

PRESIDENT'S MESSAGE

Writing this last President's message seems very strange for a couple of reasons. First I'm using a laptop computer with a keyboard that just doesn't feel the same as my trusty desktop system. Well perhaps I should say my former trusty desktop system. It seems that my motherboard has gone belly up. On the up side, it never pays to replace a component without upgrading it at the same time. When life hands you a fist full of lemons --- Make lemonade! It does come at a rather inopportune time, just when I have to get this message out to meet the deadline for the December Rockhounder, hence the laptop. Secondly, it doesn't seem possible that a year has passed since I took office.

When I accepted the position of president, I had hopes that we would be able to increase attendance at the meetings, both of members and guests, which I hoped would translate to increased membership. Although I don't think that we can claim success in this area, it hasn't been because of a lack of effort. **Michele Sebroso**s has done an excellent job of providing interesting programs. Thanks to the efforts of **Les Roy** and **Jay Valle** we have our library facilities back at the meetings where they can be enjoyed by the entire membership. **Vern Cliffe** has brought new life to the Door Prize drawings with his innovative approach to what has been a rather routine albeit critical part of our meetings. In fact, I have had an excellent support team this year. I couldn't ask for a better Board of Directors.

I would like to take this opportunity to list my own special Honor Roll. The members are:

Angie Harwood
Robert & Eva Valdez
Bill & Isabella Burns
Michelle Sebroso
Nancy Hargrave
Sylvia & Vern Cliffe
Mary Rose Merten *

In January, **Michele Sebroso**s approached me with the suggestion of a questionnaire to find out what people wanted for programs. I thought the idea was good, added a few questions of my own and included it as an insert in the Rockhounder. The effort was a failure! I nagged for about three

months running and finally gave up. With the exception of this small group of very special people, I was unable to inspire any response. You will notice an asterisk behind the name of **Mary Rose Merton**, who took the time to not only return the questionnaire, but also to write a short letter of elaboration. Thank you Mary Rose. I was particularly grateful for your efforts.

I do not wish to damn with faint praise all of the other contributions that individuals have made. Quite the opposite! I could go on for two or three times the space allotted for this message with citations of the contributions that individual members have made. From the very generous donations by **George Cyrog** to the individual contributions of all of the members that worked, in front and behind the scenes, to make our show a success, and even the turkey that we will enjoy at the December meeting, will be prepared by **Sandy Fender**. You are a wonderful group. I have enjoyed serving this year as your president. I only wish that I could have done more.

Jerry Turner

November Meeting Notes:

The November General Meeting was opened with the flag salute, then we went right into the guest program, "*A Tourist's Guide to Finding Opal in Australia*". The speakers were Leslie Neff and Larry Hoskinson. They brought a slide show, a table-full of personally collected opal, and a stimulating dialogue. They even donated a piece of opal to the door prize drawing (won by **Les Roy**).

Most of Mr. Hoskinson's and Ms. Neff's opal collecting adventures have been in **Coober Pedy**, though they have visited other locations throughout Australia (Coober Pedy means "white man's hole" in aborigine. Apparently, they were mystified as to why anyone would want to take rocks from the ground). Until recently, this town was virtually inaccessible due to a lack of decent roads, a condition that has since changed, bringing tourists and rockhounds from around the world. The inhabitants live underground, in rooms made up of old mine tunnels. During the heat of summer, the temperatures outside are life threatening. They, however, remain cool and comfortable in their "cave dwellings". The precious opal is found throughout this area, so the homeowners are constantly adding rooms onto their existing homes. The new rooms, coincidentally no doubt, usually happen to follow a seam of precious opal. Some of the townspeople have found and harvested hundreds of thousands of dollars worth of opal while adding a new bedroom

or closet to their place. Our speakers collected all of their opal from the surface waste piles around the many mines in the area. Apparently, the miners consider it a waste of time to chase after every piece of opal which may pass the initial scrutiny in the mine, and some of the many different mining techniques are more "wasteful" than others. One technique, essentially a giant vacuum cleaner, literally sucks the debris collected during the mining process and throws it onto the ground above. A miner sorts through the rubble in the mine before sending the detritus to the surface, where another person looks over what is coming out above. It allows a lot of earth to be moved in a short amount of time, but also misses a lot of good opal. Collecting from these debris piles is allowed, and is called "noodling".

After the program, the general business meeting began. We led off with the door prize drawings so the guest speakers could leave. The nominees for next years officers (listed in the November bulletin) were presented and approved by the membership present. Les informed us that his son had been in a terrible car accident and things were touch-and-go right now (please give him a call to show your support). He also informed us that the Boys and Girls Club needs chaperones on December 5 to supervise the kids as they spend J.C. Penney gift certificates, and on December 18th, when they hold their annual Carnival from 4:30 - 6:30 PM. Contact Les Roy for more information. Jim Akin will be hosting Rockgabbers at the Whittier Boys and Girls Club at 2:00 PM on Sunday the 17th.

JValle

Christmas Potluck on December 17th!!

Our annual Christmas potluck will be at the meeting hall at 6:30 PM. A turkey will be provided so bring side dishes and "fixin's". A door prize drawing will be held, and, of course, the BIG drawing for the \$50.00 gift certificate for those who bought \$3.00 worth of drawing tickets throughout the year.

A gift exchange will be held. The value of the gift should be around \$5.00 and preferably hobby related. Mark on the outside whether it is for a man, a woman, or gender neutral.

Also, we are asking members to donate either one finding or a cabochon blank, which we will use at the Boys and Girls Club this year. So if you have any extras laying around, please bring something in that can be used by the kids.

JValle

Connections Between Clubs Provide Results

As members of two clubs, **Pasadena and Whittier**, *Sylvia and I* have our phone number listed on the Pasadena invitational flyers that are distributed to suppliers in the Pasadena general area. We have received numerous calls over the years, primarily about club membership, and equipment and rocks that people wished to sell. In early October we received a call from a woman in Northridge asking about buying a small tumbler from someone who may have one for sale. We told her at the time that if we heard of one we'd call her, but not to hold her breath. Lo and behold, at the Whittier Show **George Cyrog** mentioned to us that a person he knew had a small tumbler and wanted to donate it to the Whittier club and did we know if anyone wanted one. We said, "Yes"!

George brought the tumbler to the October meeting and we took it home that night. We called the woman and told her we had a small tumbler for her and she could pick it up at our house. Briefly, the woman came over, looked at the tumbler and bought it for \$45.00. **Sylvia** gave her a small bag of rocks so she would have some rocks to start her tumbler going.

Our thanks goes to **George** for bringing in the tumbler and at the November board meeting, we announced the sale and that the \$45.00 had been deposited into the WGMS checking account. So, at times, there are most certainly advantages to belonging to two clubs for what turns out to be for the benefit of both!

Vern & Sylvia Cliffe

DUES ARE DUE!

WGMS club dues are due by the December meeting. I have included the mailing label below for **Sylvia Cliffe**, our club treasurer. Please send your dues payment directly to her.

JValle

Sylvia Cliffe
WGMS Treasurer
214 Olivera Lane
Sierra Madre, CA 91024-2100

November Door Prizes

MAIN PRIZE: Native Copper Specimen (donated by the Burns) won by our guest, Chris Cartain

ADDITIONAL PRIZES:

<u>Prize</u>	<u>Donated by</u>	<u>Winner</u>
Wire Wrap Twister Tool	WGMS	Sylvia Cliffe
Two Slabs	Mike Maneth	Macia Grady
Seat Belt Adjuster	Sylvia Cliffe	
Key Locker	WGMS	Guest, Gale Fusselo
Two Slabs	Angie Harwood	Les Roy
Piece of Opal	Program Speakers	Les Roy

Thank you to all who participated in the Door Prize Derby!

Vern Cliffe

Received: A Thank You Note

We wish to thank you for the opportunity to win the prizes for children at the Whitter Gem and Minerals show. We love the ~~place~~ and rock meebace.

THANK
YOU

FROM: Theresa Carlson
Patrick Carlson

**Federation Report
CFMS Goes on Line**

The CFMS Directors voted unanimously to support a Website. It is being set up and will be on site by December. The call name is CFMS, inc. The call letters CFMS had already been taken by the Canadian Freshman Medical Students; so be sure to go to CFMS, inc. (<http://www.cfmsinc.org/>)

Since 1999 is the hundred and fiftieth anniversary of the state of California, **Jessie Hardman** suggested that societies might wish to make their communities aware of the importance that minerals have played in the development of California. More money has been made in California from the mining of Borax minerals than from mining gold in California. Can you name ten minerals that are mined here? Maybe we should have a program on that subject.

The American Geological Institution, an organization which promotes geological education held a Earth Science Week in October of 1998. It was very successful and they are planning to have another Earth Science Week Oct 10 - 16, 1999. More information regarding this program can be found on the web at www.earthscienceweek.org.

The following officers were elected and installed:

- President **Ken Kruschke**
- First vice-president **Beverley Hafali**
- Second Vice-president **Bob Stultz**
- Secretary **JoAnna Ritchey**
- Treasurer **Jack Wallace**

The Long Range Planning Committee has chosen **Isabella Burns** as the California Federation nominee for President-elect for 1999 of the AFMS.

Bill Burns - CFMS Director



**Thanksgiving Weekend Trip
Indian Pass Road**

Tuesday (November 24), noon found **Marcia and I** on the road heading out of town before the afternoon rush began. The trip to Holtville went pretty much as expected. There was little traffic and lots of scenery. Night had fallen in the little town before we arrived. We circled the park where we were supposed to meet **Bill and Izzy Burns**, but didn't see them. So we parked the truck and walked around. We asked various people if they had seen them, but no one had until the last person we asked said, *"They were getting ready to leave to go to their rig."* We saw their S.U.V and **Marcia** was off and running. She yelled **Bill...Bill...Bill**, and he heard her and was happy to see us when he realized who it was who was yelling at him. So we followed them to the camping area by the tracks.

About 1/2 hour later we heard **Vern and Tony** talking on the CB and I called to them in reply on our CB. A few minutes later they were entering the town and I gave them directions on how to get to where we were. I was fairly accurate, only 1 block to the south of where we actually were. However, we all saw them and they heard my correction and were there very quickly.

After the tent trailer was set-up, **Marcia and I** tried the local cuisine. Dinner was excellent and very filling. Afterward we went back to 'camp' and had a nightcap with **Tony and Sandie** and **Vern and Sylvia** in the **Fender** motorhome. The comment was made that the Holtville police were circling the camping area every few minutes, very diligently. The next morning we found out why. It seems the camping area is right in front of the police station!!

Wednesday morning arrived all too soon. Fortunately, a 7-11 store was a very short walk to some surprisingly good coffee. And not your typical 8 oz. cup either, but, a bigggg 32 oz. big gulp coffee ---- (even French roast).

At 9:00 AM the 'line' at the **Holtville Roundup** was open for business. We were there for about an hour. **Marcia and I** made a few purchases and then headed back to fold the trailer and get going to Indian Pass.

After all the preparations were completed, the group did a brave thing, and that was to follow me (see Oct. fieldtrip report). Believe it or not, we all arrived at **Indian Pass Road** safely, and still in convoy formation. So up Indian Pass Road we went to find a campsite. Naturally we did, because we didn't continually travel up and down the road all weekend long.

Thanksgiving Weekend Trip (Continued)

After camp was set up, we headed out to look for *Desert Lapis*, otherwise known as *Dumortierite*. A few pieces were found, though not large, but nice. Just before dinner **Gerald and Barbara Minear** arrived and joined us as we held a mini-potluck in the **Cliffe's** motorhome. We had a little campfire even though it was warm that night, and during that time **Ed and Corrine Imlay** arrived. They joined us at the fire, and as we talked, that strange phenomena of thinking it was later than you think, happened. It was 7:30 PM, with bedtime at just about 8:00.

The next morning (**Thursday**) was beautiful. **Bob and Dorothy Brower** arrived with **Bob** giving all a hard time. **Mark, Linda and Heather** arrived a little while later. We all went over to **Goldrock Ranch** to take a gander and see what was what. **Marcia** found a pair of giraffe salt and pepper shakers for a Christmas gift for **Joe's** sister who collects giraffes. **Gerald** bought a book on Goldrock and some tumbled purple glass to wire wrap. **Heather** found a small child size bench to sit on, and she looked so cute crossing her legs like an adult.

We tried to go to the **Bluebird Mine**, to collect kyanite crystals but found that the road was closed. No one really wanted to hike to the mine so **Marcia** made the suggestion that we take the powerline road back and check the washes. The first wash was a "wash", and the second was almost as unproductive. **Vern and Sylvia** had headed toward the hills and called and told us they had found kyanite and dumortierite. So we went up there, and everyone got some. We continued down the powerline road and came out at Goldrock Ranch. From there we headed back to camp for lunch. After lunch we hunted for dumortierite in the washes east of camp.

Dottie Jacobs arrived just before we were going to eat Thanksgiving potluck. Dinner was absolutely fabulous. After we had eaten our fill, and the dishes cleared, it was campfire time again and that night we added more wood as there was a little nip in the air. For some reason, **Marcia and I** were tired and were in bed by 7:15 (must have been the turkey).

Friday, we were up at 5:00 AM to watch the sunrise and to run into **Felicity** to buy gas and ice. We got back in time to head out for the trip to look for geodes. **Mark and Linda** led the way to the geode beds on Hwy 78. **Bob** busied himself telling all where to find the geodes. Everyone got some geodes and nodules, **Marcia and I** got lucky and found almost two canvas buckets of nodules in an area 18 inches square by 8 inches deep. We can't

Thanksgiving Weekend Trip (Continued)

wait to see what they look like. **Mark and Linda** headed home from there and we headed back to an area along Ogilby Road to look for agate. After

lunch at camp, we went looking for dumortierite in some areas we had missed before. **Jay, Jason and Erin Valle**, and **Elmo, Lisa and the three youngest boys** had arrived when we got back in camp.

Saturday found us dividing up into two groups - **Tony, Sandie, Jay, Erin, Jason, Elmo, Lisa and kids** went to the **Colorado River** via the **Indian Pass**. **Vern, Sylvia, Dottie, Gerald, Barbara, Marcia and I** went to try to find **Gold Basin** (not a lot there). We had lunch there in a wash and then went looking for agate along Ogilby road again. **Gerald and Barbara** split off to look for petrified wood. We hadn't been there long when it started to rain (it was a beautiful rain, rainbows began to appear). We weren't having any luck so we went looking for **Gerald and Barbara** and didn't have luck at that either (they had gone back to camp). **Vern, Sylvia, and Dottie** went back to camp and we went to get gas. It continued to rain - hard at times - but we were rewarded with a double rainbow (no pot of gold could be found). About this time the group that had gone to the river got back, and they had enjoyed themselves.

Jay's story: We had followed Indian Pass Road into the expanded Picacho State Recreation Area. At this time we encountered a pay-point, and we debated (philosophically, of course), whether to deposit the \$5.00/vehicle fee, or to just drive through (a Park Ranger cleared that point up for us). We followed the river, stopping occasionally to look for petrified wood. Only a few pieces of the wood were found, but some nice larger dumortierite was located, right off the road. The scenery was extraordinary. We had driven up into a box canyon with a dry waterfall at the end, and were beginning to explore and stretch the legs, when it began to sprinkle. About this time, **Sandie** began to get **very** nervous and we split pretty quick. On down the road, we came on an outcropping that resembled Donald Duck (really, no kidding, I have the pictures). At another turnout, we stopped to add a few rocks to a cairn erected by a broken hearted pet owner, who's dog was buried beneath the monument. About this time, the sky opened up and we started thinking about leaving the park. We made a short stop at a small store to get ice-cream and other essentials, then followed Picacho Road toward Winterhaven, on the outskirts of Yuma, Arizona. On the way we observed the most incredible complete rainbow I have ever seen (really, no kidding, I have the pictures, ok, only one picture, but it looks really cool). In Winterhaven, we stopped for gas, then back to camp

Thanksgiving Weekend Trip (Continued)

Back to Joe's narrative:

The rain stopped long enough for potluck and a campfire – only tonight everyone was sitting real close to the fire. Soon, bed and sleep beckoned.

Sunday found a beautiful sunrise and time to go home for all but **Vern and Sylvia**. At 5:30 in the morning, when trying to be quiet, it never works out and other people arose also. So ended another great trip, not so much because of the rock that was gathered, but because of the fun and friendship that were enjoyed.

There is no (official) trip scheduled for December. I wish everyone a **Merry Christmas and Happy New Year** (be ready for Sand Canyon and surrounding area in January).

Joe Goetz and Jay Valle



Camp along Indian Pass Road

Streaking Minerals - Streak Testing!

Articles from Lapidary Digest

Dr. Bill Cordua

Streak tests are easy tests, helpful in mineral identification. The streak is simply the color of the powdered mineral. It doesn't matter how the mineral is powdered - you can scrape off some with a nail or pound the mineral to bits with a hammer. More commonly, mineralogists use a streak plate, a piece of unglazed porcelain usually cut in a square or hexagon a few inches across. Streak plates have a hardness of about 6.5, so if you want to test the streak of anything harder, get out the hammer! They can be bought from most mineral supply houses. For example, the latest Ward's Natural Science Establishment catalog lists them at 10 for \$2.90. When they get dirty they can be cleaned by scrubbing them off with an old toothbrush. I often use some sand with the water to scour off resistant streaks. If they get too dirty - heck, toss them out - they cost less than 30 cents each. When I was a kid, I used the back of old bathroom tiles to make an even cheaper streak plate.

Why do a streak test instead of just looking at the color of the bulk mineral? The color of a larger chunks of mineral can really vary, depending on what trace element impurities may be present. Calcite, for example, can be any color of the rainbow (and a few that aren't on any rainbow). But calcite always has a white streak. So why don't the impurities color the streak? They do, but only to a slight extent. This is because light going through a small grain of a mineral has less chance to interact with the impurities than light going through a big chunk of the material. Powdering the material thus minimizes the effect of the impurities.

Streaks are most useful in the oxides and sulfides. Silicates and carbonates generally have white or light colored streaks. The oxides are fun to streak. Hematite's red streak is distinct from goethite's yellow-brown streak and pyrolusite's coal black streak. Sphalerite is another mineral that can be lots of colors, but gives a yellow streak.

The streak of rocks is generally not distinctive. They usually give a light streak that reflects their dominant silicate or carbonate composition. If they give a red or brown streak, it suggests the presence of iron oxides. Of course, if the rock is coarse grained, you can try the streak test on the individual mineral grains.

(Streak Testing - Continued on page 16)

December Birthstone: Blue Zircon

Zircon has been with us through the ages, although thought by many to be a relative newcomer to the gem market. In the Middle Ages, zircon was worn to promote riches, honor and wisdom. It was also believed to drive away plagues and evil spirits.

The word zircon was first used around 1783 to describe crystals from Sri Lanka. The name is believed to originate from the Persian word **ZARGUN**, which means "*gold colored*", due to the yellow color of the stones found there.

Over the years, zircon has been called by many names. The term *hyacinth*, or *jacinth*, was used for reddish brown stones. *Jargon*, or *jargoon*, described lighter yellow to nearly colorless zircons. The terms "*Matura*" or "*Matara Diamond*" (a misnomer) has been used for at least 400 years to designate colorless material from a district in Sri Lanka that bears the same name.

Blue zircon gained popularity in the 1880's and was used extensively in Victorian jewelry. In fact, jewelry from this period is a principal source today of blue zircons over five carats.

At the turn of the century, heat enhanced blue zircons entered the gem market. George F. Kunz, Tiffany & Company's gem authority, proposed the name "*starlite*". The term was rather short-lived but the stone became quite popular. Today, the old terms are seldom used. Zircons are designated by their color. **Blue Zircon** (along with turquoise) is the birthstone for the month of December. Zircon is also a wedding anniversary stone, being given for the seventh year. Colorless zircons have been used for years as a diamond simulant and smoky pale gray zircons were once popular set in "mourning jewelry".

Zircons are currently mined in Sri Lanka, Kampuchea, Burma, Thailand and Australia. They occur in a rainbow of colors including blue, yellow, green, brown, orange and colorless. Almost all blue and colorless stones on the market have been enhanced by heat treatment. This process is undetectable and generally stable. Blue and green stones are readily available in sizes up to 8 carats, yellow and orange stones in sizes up to 5 carats, while red zircons are seldom seen above 3 carats. The American Museum of Natural History in New York houses one of the largest collections of zircons. Here is found the largest blue zircon on record - a dark, slightly greenish blue stone weighing over 208 carats.

Found on the web at <http://www.gemstonesatoz.com/>

The Golden Bear Nugget

This outstanding and unusually formed crystallized gold nugget is the property of the California Federation of Mineralogical Societies (CFMS).

The history of the nugget is rather obscure. The story has it that it was picked up (date about 1857) in a sluice box at the Georgia Hills Mine in Jim, California, by a fourteen year old girl.

Upon her death at the age of 75, a son or brother pledged the nugget for a loan from an engineer from the Division of Mines. The nugget was foreclosed by the engineer. He wanted to recover his money and offered it to C. D. Woodhouse, who regularly visited the Division of Mines. Mr. Woodhouse purchased the nugget for \$300.00 in 1937. It was shown to the CFMS and a decision was made to purchase it in June of 1938. The CFMS made its final payment in 1940. Mr. Woodhouse's attempt to obtain further information on the nugget was unsuccessful.

The purchase price was \$300.00, but its value as a unique specimen, like anything that cannot be duplicated or replaced, can be considered in the realm of "priceless." Physically, the Golden Bear is a magnificent specimen and is readily recognized by its characteristic shape. It is on exhibit at the Los Angeles County Museum of Natural History, but each year it is put on display at the annual convention show.

Weight:..... 1 oz. 19.2 grains Troy

Maximum Height: .. 2 1/4 inches

Maximum Width:... 1 5/16 inches

Small replicas of the Golden Bear Nugget are used as CFMS pins and lapel buttons. This replica with the silver gavel is used as a pin for the past Presidents of the individual Member Societies and Clubs, and with a gold gavel for past CFMS Presidents.

Found at the new CFMS Webpage: <http://www.cfmsinc.org/>

JValle

National Happenings

Federalism EO about to take effect

When **Bill Clinton** promulgated his infamous **Executive Order 13080** last June, the outrage was immediate and loud. Local and state governments from coast to coast recoiled at the effort of a plan that would severely reduce if not completely obliterate local control in many areas. Because of the political firestorm, the Clinton White House put the implementation of the program on hold. In response to the threat **Rep. Bob Barr** introduced **HR 4196**, a bill designed to restore the division of governmental responsibilities by requiring the federal government to comply with the **Reagan's EO 12612**. The Reagan EO, which was designed to re-establish the power of the **10th Amendment**, is rescinded by **Clinton's** new order. Unfortunately Congressman Barr's bill, **HR 4196**, died in the **Judiciary Committee** with no replacement before adjournment, leaving the new policy to take effect on or around Nov. 14. It is necessary that every elected official: local, state and especially federal, be confronted with this issue. If this policy is allowed to go forward, local control will be severely constrained and federal government meddling in our daily lives will increase geometrically.

From: Liberty Matters News Service, 11/2/98

Vern Cliffe

(Streak Testing - Continued from page 13)

Mineral databases and texts sometimes list the streak colors and some times don't. It depends on the tastes of the author and the data available. All minerals have streaks (you can powder anything if you put your mind to it) but they may not be too distinctive (hundreds of minerals have white streaks). I think that when a new mineral is described, the streak should always be included. After all, the material had to be powdered in order to do its microprobe or x-ray analysis, so all some one needs to do is remember to record the color. That would be a real help to those of us who don't have well-equipped analytical labs in our basements.

Found and reprinted with permission on the Lapidary Digest Newsletter WebPages at:

[Http://www.lapidarydigest.com/Streak.html](http://www.lapidarydigest.com/Streak.html)

JValle

More National Happenings

Department of Interior Website Sanitized After Babbitt's Blunder

Last May **Secretary of the Interior Bruce Babbitt** bragged that the delisting of 17 species was proof positive that the Endangered Species Act works. But he failed to note that of the 17 species touted, 5 were removed because they were extinct, 8 because of listing errors, and 4 because the species never existed in the first place. Recently, the DOI webmasters were forced to alter the site, making it appear as if **Babbitt** had never uttered a word. (Scoop).

From: Liberty Matters News Service, 11/2/98

Vern Cliffe

ASSOCIATES NAMED FOR 1999

At the November 2nd board meeting held at the **Bradshaw home**, the board members voted to award the title of **Associate** to three non-member persons who donated their time and energies to the success of the **49th Annual Show** held on October 17th and 18th.

The three persons are:

Jason Badgley - helped set up on Friday night, put in a display case of cabochons, worked at the sales table and demonstrated cabochon making on Saturday.

Ernie Gaytan - helped with show set up of sawhorses and assembly of show cases, and the disassembly of the same on Sunday night.

Ruth Jarrell - worked both days in the kitchen, which was a great help to the other kitchen crew.

These three wonderful people are the same persons who have “worked” our show for a number of years now. It’s great to have individuals like this, who voluntarily show up and help make the show a success. And the beauty of it is - we don’t have to spend any time training them, they already know what to do!

Vern Cliffe

GEM AND MINERAL SHOWS

- Jan 9 - 10** **Exeter - Tule Gem & Mineral Soc. 43rd Annual Show,**
Veteran's Memorial Bldg., 324 N. Kaweah.
Hours: 10 - 5 daily
Raymond Cooke, 209-733-0271
- Jan 9 - 24** **Quartzsite, AZ. - Tyson Wells Rock and Gem Show.**
South-West corner I - 10 and Hwy. 95.
Web site www.tysonwells.com
- Jan 15 - Feb 15** **Cloud's Jamboree**
- Jan 22 - 31** **Blythe - Annual Rock & Gem Show.** Colorado River
County Fairgrounds. E-mail rocks@rockshows.com.
Web site www.rockshows.com.
Hours: 9 - 5 daily.
- Jan 29 - Feb 7** **Quartzsite, AZ - Tyson wells sell-a-rama Rock and Gem
Show,** South-West corner I - 10 & Hwy. 95
Web site www.tysonwells.com
- Feb 12 - 23** **Indio - Riverside County Fair and Date Festival
Annual Gem and Mineral Show - Gem & Mineral Bldg.**
Indio Fairgrounds. Hours: 10-10 daily
Bert Grisholm, 909-849-1674
- Feb 20 - 21** **Stockton - Stockton Lapidary and Mineral Club's 47th
Annual Show.** 33 West Alpine Ave. Hours: 10-6 daily
Jim Dunlap 209-478-0747
- Feb 27 - 28** **North Hollywood -Del Air Rockhounds, Sierra Peloma
Rock Club, VIP Gem & Mineral Society & Woodland
Hills Rockchippers, 31st San Fernando Valley Gem Fair.**
12240 Archwood St., Hours: 10-5 both days. 805-933-3820

Vern Cliffe

URLs of Interest to Rockhounds

⇒ **Hale Sweeny**, the administrator of a newsletter for rockhounds called the "*Lapidary Digest*" now has his own web site up and running at:

www.lapidarydigest.com

⇒ **Roger K. Pabian's "*The Agate Page*"** has about 280 pictures of agates from around the world, a lexicon and glossary of terms associated with agate, and an extensive bibliography of information on agates; it is probably the definitive reference on agates.

<http://csd.unl.edu/csd/programs/agates/framegem.htm>

⇒ **The California Federation of Mineralogical Societies, Inc.** now has a Webpage. It is located at:

<http://www.cfmsinc.org/>

JValle

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Bulletin exchanges are welcome and should be sent to the editor.

Affiliations

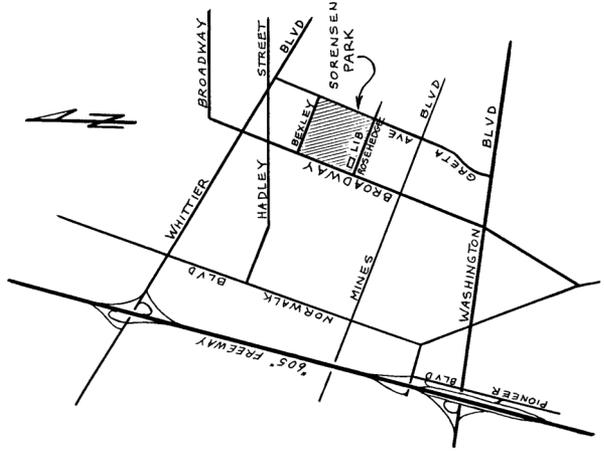


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Meeting Date: December 17, 1998 at 6:30 PM
Location: Sorensen Park (See Map)