

8-1994





SEARCHERS GEM AND MINERAL SOCIETY, INC.

Established June 20, 1958

Mailing Address: P. O. Box 3492, Anaheim, CA 92804

CLUB OFFICERS

President	Jim Williamson	995-9080
1st Vice President	Herb Beckman	778-1496
2nd Vice President	Connie Van Kampen	993-2827
Secretary	Beth Pelfrey	774-2754
Treasurer	Betty Nelson	530-1365
Federation Delegate	George Mitchum	897-2407
Director	Merle Howe	529-3613

COMMITTEE CHAIRPERSONS

Historian	Jan Gillette	776-9467
Anaheim Arts Council	Margaret Neeley	535-2030
Arts Council Alternate	Mae Freedman	774-6665
1995 Show Chairman	George Mitchum	897-2407
1995 Co-Show Chairman	Floyd Neeley	535-2030
Bulletin Editor	Marge Jordan	897-2407
Bulletin Editor Alternate	Jeanne Howe	529-3613
Bulletin Mailout	Nancy Reed	527-2480
Membership	Milly Arvanites	838-1924
Public Lands	Elmer Parsons	870-5495
Refreshments	Jeanne Howe	529-3613
Sunshine	Froma Reiter	879-3514
Sunshine Alternate	Doris Pelfrey	774-2754
Veterans Coordinator	Russ Korn	543-9823
Monthly Drawing	Lynnette McLean	546-4692
Meeting Host	Bill Keyes	535-1484
Phone Committee	Marie Cole	639-7983

AFFILIATIONS: California Federation of Mineralogical Societies  
American Federation of Mineralogical Societies

The Searchers Gem and Mineral Society, Inc. regular meetings are held on the second Tuesday of each month on the basement level of the Anaheim Memorial Hospital Medical Office Building, 1211 W. LaPalma Avenue, Anaheim, CA. Meetings begin at 7:30 PM. Visitors are always welcome.

Membership dues are accepted January thru September. Adult Members: \$10.00 each, and Junior Members \$2.00 each.

Field Trips are usually held on the second weekend of each month. These are announced monthly. Trip maps, added activities, time changes and other pertinent information will be published in the bulletin.

Board Meetings are held on the fourth Wednesday of each month, basement level Boardroom of the Anaheim Memorial Hospital Medical Office Building at 7:30 PM.

WORKSHOPS: Workshops have been temporarily cancelled.

REQUIREMENT: Items for the Bulletin must be in the hands of the editor by the first (1st) Tuesday of each month. Please mail all items to: Marge Jordan, 12161 Bartlett Street, Garden Grove, CA 92645-1525.

PRESIDENT'S MESSAGE

The headlines should read, *SEARCHERS DO AN OUTSTANDING JOB AT THE ORANGE COUNTY FAIR*". More than twenty-five percent of our membership donated their time to support the fair. Forty members worked as host/hostess in the Gem and Mineral building. Another four members provided demonstrations, presenting our hobby to the public. Six Searchers won ribbons with the cases they exhibited. Searcher Day (Saturday, July 16th) was a huge success! We need to do that again in 1995! The fair was a source of enjoyment for all who participated and we received a list of people who are interested in our Club. Congratulations for a job well done.

It's August, time to appoint a Nominating Committee. This committee is charged with the responsibility to nominate members for club offices (elections will be held in November). It is the responsibility of the club members to take an active part in the operation of the club. YOUR help is needed. I would especially like to encourage our new members to hold an office. Those of you who may have thought about it and have had doubts, fears or, just plain "I don't want to get involved" attitudes, please reconsider and say "YES" to the committee people when they call. You will have lots of help from long time members who have held these offices year after year. Help is just a phone call away. We need new members to get involved with new ideas and/or suggestions.

As was announced in our July Bulletin, tonight we will work through two important issues currently facing the Searchers. The first item is our status with the Orange County Gem and Mineral Council and the second item has to do with the Standing Rules regarding show case trophies. Your input has been solicited and is needed to resolve these issues.

I am looking forward to seeing you at the progressive dinner, Saturday, August 20th. Don't forget to bring (the only cost for dinner) three good pieces of rough rock, slabs or minerals to be used for our club show and/or other club projects.

Jim Williamson

FUTURE CLUB ACTIVITIES:

Auguts 20th	Progressive Dinner
August 24th	Board Meeting
September 13th	General Meeting

BULLETIN ITEMS: All items for the September bulletin must be IN WRITING and in my hands NOT LATER THAN September 6th.

marge

SHOW DATES:

Sep 10 - 11 Long Beach and Palos Verde Gem and Mineral Show  
 Carson City Center  
 800 Carson Street  
 Carson, CA

Hours: Sat - Sep 10 10:00 AM to 6:00 PM  
 Sun - Sep 11 10:00 AM to 5:00 PM

Sep 17 - 18 Delvers Gem & Mineral Society  
 Apollo Park Neighborhood Service Center  
 12458 Rives Avenue  
 Downey, CA

Hours: Sat - Sep 17 10:00 AM to 6:00 PM  
 Sun - Sep 18 10:00 AM to 5:00 PM

CAMP MINALUTA CANCELLED:

Due to the fact that participation did not reach the required minimum the CFMS Earth Science Seminar to be held September 4 - 10, 1994 at Camp Minaluta has been cancelled. For members who may have signed up and paid a deposit, refund checks are being processed.

George Mitchum

**MINING LAW REFORM**

By George Loud, Chair  
 AFMS Conservation & Legislation

Our papers have been full of reports of the great federal "giveaway" of 1950 acres of federal land in Nevada to a Canadian company for \$5 an acre. OMB Director Leon Panetta has lambasted the deal involving what he calls "the richest gold deposit in the United States." The Canadian company points out that it has already made a one billion dollar investment, that it will create many jobs and that it will pay taxes on all profits derived from the mine. Further, "giveaways" in the form of tax breaks by our various states, in order to attract business and provide jobs, are quite common. However, there are significant distinctions. Unlike the situation we have, for example, with the new Disney theme park in Northern Virginia, the Canadian mining company will receive title to land at a pittance and mining involves removal of a non-renewable resource. Even mining industry spokespersons concede the need for reform of the 1872 Mining Act.

Against the background described above, after the Memorial Day recess a House/Senate Conference Committee will wrestle with the issue of how far reform should go in terms of transferring of title to federal lands containing proven mineral deposits and the amount of royalty to be paid for the minerals which are mined. The Conference Committee must resolve differences between House and Senate bills. The House bill requires an 8% royalty on gross sales (even if there is no profit), whereas the Senate bill requires a 2% royalty on net profit. The Senate bill provides for transfer of title to the minerals and at fair market value, transfer of title to the land. Under the House bill title to the land would not transfer to the mining company. Senator Bennett Johnson, Chairman of the Senate Conferees, has proposed a "middle ground" compromise, the details of which were not available as of this writing. However, preliminary reports have it that the "compromise" would impose a 2% gross royalty on all extracted minerals and, in the case of gold and copper only, a graduated royalty on gross from 2-35%. Reportedly, the "compromise" would retain the provision for transfer of title of the Senate version.

From AFMS Newsletter, 6/94 and CFMS 8/94

MEMBERSHIP:

Welcome to our new member who joined at our July meeting:

Carol Beckman  
2105 Bangor Way  
Anaheim, CA 92806  
(714) 778-1496

This brings our membership total to 154.

Members change address:

ERHART, James F. (Jim)  
ERHART, Beverly (Bev)  
15237 Monterey Avenue  
Chino Hills, CA 91709  
(909) 393-0105

Milly Arvanites

SUNSHINE:



The Searchers extend their sympathy to Trudie Reed on the loss of her Mother, Gertrude Kinzey.

Mrs Kinzey entered into rest June 25, 1994, in Santa Ana. Interment was in Virginia. Many of our members knew Mrs Kinzey who for the past several years resided with her daughter Trudie. Mrs Kinzey attended several of our functions and our annual shows. All of us who knew her enjoyed her. She was a lovely little lady.

Doris Pelfrey

I would like to thank all of you for the cards, notes, visits and phone calls while I was in the hospital and since I've returned home. I'm happy to report that I'm doing well but I'm still restricted to what I can and cannot do for a few more months.

George Mitchum

REFRESHMENTS:

Tonight's refreshment persons are Bernie and Elena Goldgorin.

In September Tony and Lola Tapia will be in charge.

Thanks to everyone for volunteering.

Jeanne Howe



GEMSTONE TUMBLER - 110 volt vibrating tumbler with two 8inch bowls, many sizes of grit plus walnut shells for polishing. Hardly used, asking \$70.00. Please call Audrey Nichols (714) 533-4675.

PROGRAM REPORT:

The July 12th Searcher's meeting was exceptional. Approximately 125 Searchers, invited American Opal Society member guests and other guests attended. The attraction was a program presentation by Mr Len Cram.

Mr Cram is a multitaitented individual who is probably without peer in the opal knowledge he has acquired from opal prospecting, mining, cutting appraising and photographing this beautiful gemstone. His research, study, and laboratory experiments in amorphous science have lead him in new directions in understanding the process of opal formation. He has, in fact, successfully created precious opal from silica sand in the laboratory which gives his theories considerable credence.

Mr Cram has resided in Lightening Ridge, Australia for over thirty-five years. He has recently been traveling in the United States to visit opal mining areas and gather information for his next book which is planned to be a fully illustrated, comprehensive work covering opals and opal mining world-wide. Fortunately, Mr Cram agreed to share some of his time, his opal knowledge and beautiful photographs of opals with us at our July meeting.

In this program, Mr Cram explained his theories on the formation of precious opal and what causes some of it to fracture and craze. The program included many of his beautiful photographic slides which he used to clarify and simplify the technical concepts he presented in describing his theories. There were also many beautiful photographs of some of the world's most beautiful opals, many of which are named, as are famous diamonds.

This was a wonderful program which I'm sure we will all treasure in memory. I hope we will be fortunate enough to get Mr Cram to reprise this program during his next visit.

Herb

Our program this evening will be a video titled "Stewart Tourmaline Story" which will give background and histroy on the mine.

Herb Beckman

FIELD TRIP REPORT:

In lieu of an August field trip we are having the Progressive Dinner on August 20th. Map and details elsewhere in this bulletin.

At this time there is NO field trip scheduled for September. The October field trip will be to Jalama Beach. Jim Everitt will be your leader. Jalama Beach information elsewhere in this bulletin. Suggest you save this information since not all this info will be published in the September bulletin.

Connie Van Kampen

OCTOBER FIELD TRIP - JALAMA BEACH, CA - OCTOBER 14, 15 and 16, 1994:

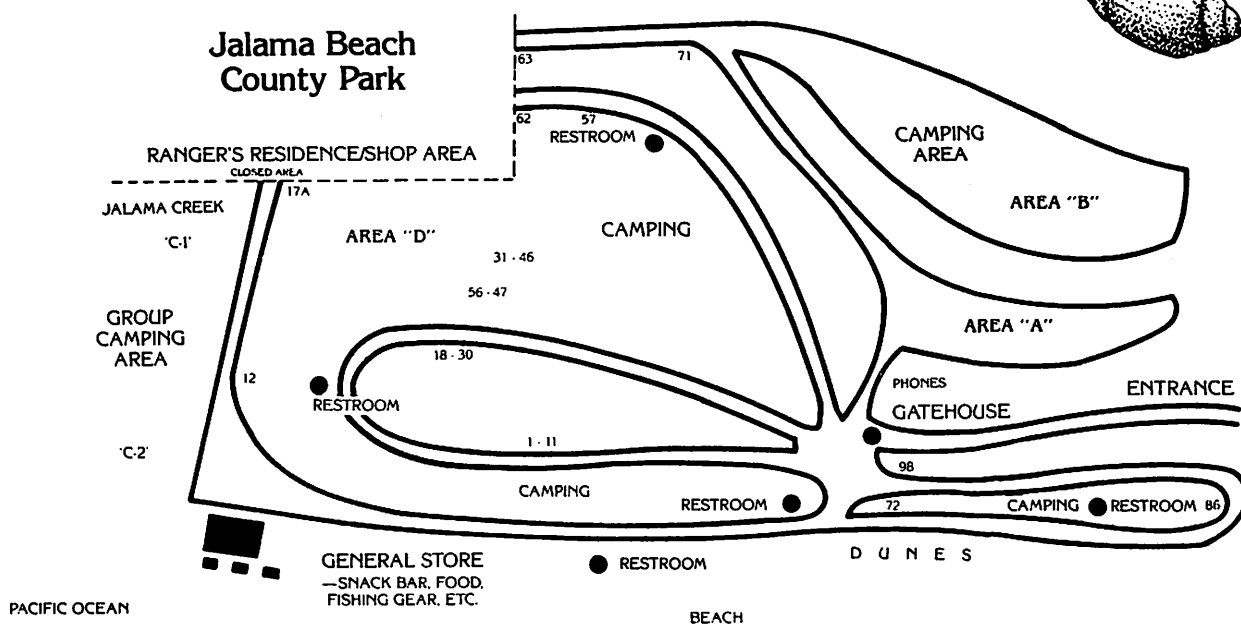
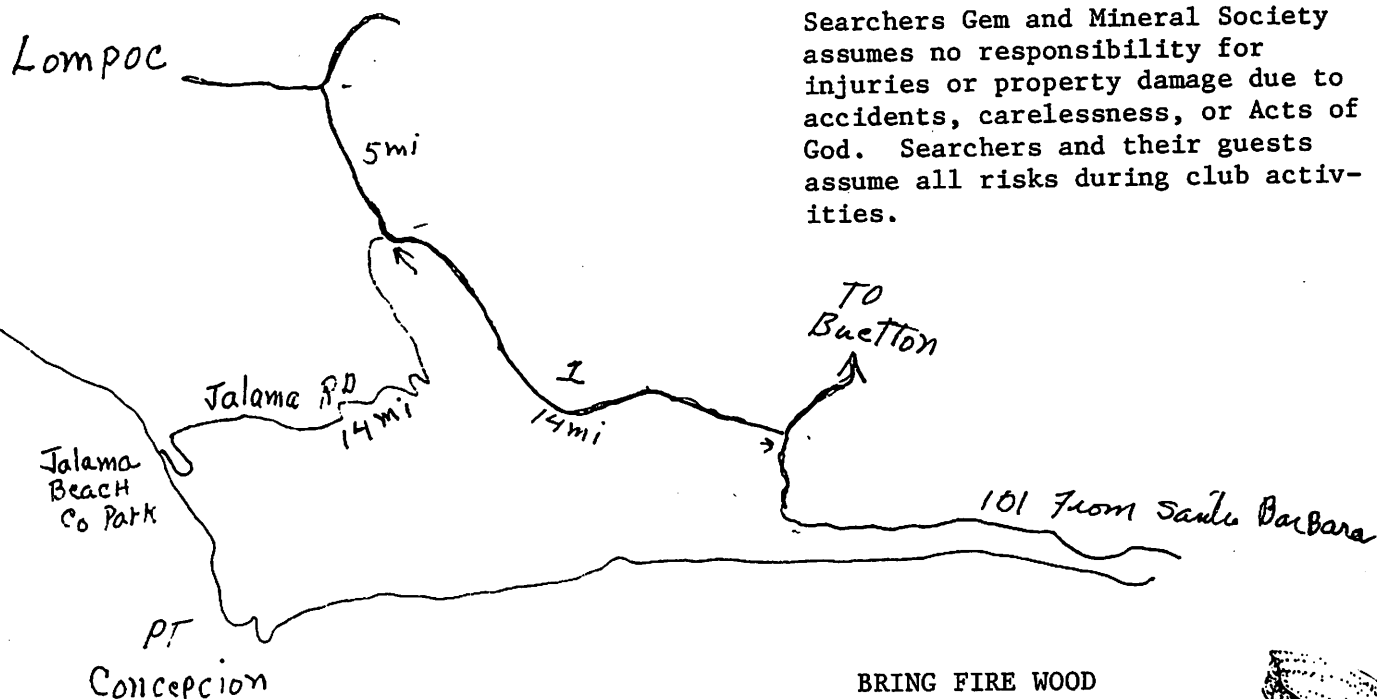
I chose the weekend of October 14, 15 and 16 because the tides are better for walking down the beach.

From Santa Barbara continue north on Hwy 101 to the rest area, through the tunnel. The next turn off is Hwy 1 to Lompoc. Approximately 14 miles to Jalama Road, turn LEFT on Jalama Road and go another 14 miles to the park entrance (see maps).

For further information on Jalama Beach I'm including a list of fee schedules, park regulations and some of the activities that Jalama Beach offers.

Jim Everitt

Searchers Gem and Mineral Society assumes no responsibility for injuries or property damage due to accidents, carelessness, or Acts of God. Searchers and their guests assume all risks during club activities.



# Jalama Beach Park Regulations

**Camping:** In designated sites only. Please keep your site clean. Trash receptacles are provided. No dumping of waste water or waste materials on the ground is permitted. All campers must be 18 of years of age or under adult supervision.

**Pets:** Dogs are allowed but shall be restrained by a leash no longer than six feet, or securely confined within a vehicle. Owner must provide proof that dog had rabies inoculation.

**Quiet Hours:** 10 P.M. TO 8 A.M. No visitors will be allowed to make noise that disturbs other visitors at any time. Please turn off radios and generators at 10 p.m.

**Day Use Hours:** 6 A.M. TO DARK. Anyone entering the park after dark or before 6 a.m. will be charged the campers fee. Day use picnickers must leave the park at dark.

**Fireworks, Firearms and Explosives:** Are strictly forbidden in or around the park. Weapons of all kinds including guns, bows and arrows, slingshots and B.B. guns are not permitted.

**Fires:** Shall be built only in established fire pits or grills. During high winds the use of fires may be curtailed. Fires must not be left unattended nor may sparks or live coals be allowed to fall or fly out of the pits.

**Vehicles:** Travel only on designated roads. No offroad vehicles are permitted within or around the park. Park speed limit is 5 mph. All vehicles must be properly equipped and operated by a licensed driver.

**Public Nudity:** Is strictly forbidden.

**Swimming:** No lifeguard is provided. Swim at your own risk.

**Closed Areas:** No one may enter these areas unless employed by the Parks Department.

**Wildlife:** Hunting, collecting or injuring of animals, birds or reptiles is not permitted.

**Plants and Trees:** No one shall dig up, cut up, burn or carve any tree or plant.

**Abusive Language:** No one shall use abusive or indecent language or gestures or conduct a disorderly assembly in the Park.

# Fee Schedule Jalama Beach Park

## Day Use Fees

Day Use, Per Vehicle, per day .....	3.50
Annual Day Use Pass (12 months) .....	40.00
Annual Day Use Pass Senior Citizen/Handicap .....	30.00

## Regular Camping - No Hookups

Overnight per vehicle .....	12.00
Handicap overnight per vehicle .....	10.00

## Regular Camping - Electric Hookups

Overnight per vehicle .....	16.00
Handicapped Overnight, per vehicle .....	13.00

## Other Fees

Second vehicle, per camp/day/night .....	8.00
Dogs, each, per day/night .....	1.00

## Senior Citizen Fees Available 9/15 to 3/31

Regular Camping - No Hookup, per night .....	10.00
Regular Camping - Electric Hookup, per night .....	13.00

## Fall/Winter Discount for Our Regular Camping Customer:

Weekly Rates Available 9/15 to 3/31	
Regular Camper pay for 6 nights and stay the 7th free.	
Fee must be paid in advance. No other discounts apply.	
Weekly Camping - No Hookup .....	72.00
Weekly Camping - Electric Hookup .....	96.00

For group reservations, phone (805) 934-6211 v/TDD	
Reservation Fee .....	25.00

## OPEN ALL YEAR ROUND!!

**Jalama Concessions:** Grocery Store and Snack Bar located west end of the park. Firewood, sundries, fish bait and tackle, ice, beer and wine are available.

**Camping at Jalama:** We are a first come, first served park. NO INDIVIDUAL CAMPSITE RESERVATIONS are taken. One campsite per vehicle. Site are equipped with fire pits and tables. Piped water and restrooms are nearby. R/V dump stations are available. Site will accommodate tent campers and most R/Vs.

Check-Out time is 2 p.m.



**History:** A portion of the park near the creek was a Chumash Indian settlement for centuries until the villagers were taken to La Purisima Mission during the rule of the Spanish in California. The name *Jalama* comes from the Spanish spelling of the Indian name of this village, "Halam." As the surrounding area became more populated, local residents began to use Jalama for leisurely holidays. In 1943 the Richfield Oil Company (ARCO) donated 23.5 acres to the County of Santa Barbara. The park is surrounded by private property, so please respect our neighbors, and enjoy the many activities at Jalama!

## Enjoyable Activities at Jalama Beach

**Whale Watching:** The enchanting California Grey Whales migrate along the park's coastline, moving south from February through March and north September through November. Spouting can be seen right outside the surf zone. Bring your binoculars.

**Rock Hounding:** This stretch of coastline exhibits some of the most interesting geological formations and depositions in the central California area. Many types of rocks and gems are here which include travertine, agate, chert, jade, marcasite and fossils. Also found is petrified whale bone.

**Surf Fishing:** Try your luck at one of the most popular activities here. Many varieties of fish are hooked, including four species of surf perch. For a challenge try the rock outcroppings and possibly hook a cabezon, kelp bass or halibut.

**Photography:** Jalama is one of the most pristine stretches of coastline in central California, offering both the amateur and professional shutterbugs an excellent place to photograph wildlife, bird life, insects, landscapes and sunsets.

**Beach Combing:** During the winter months storm swells wash up many interesting undersea treasures; shells and driftwood are abundant. Winter is also a wonderful time to view tidal pools. Please respect living organisms and enjoy exploring at Jalama.

**Wildlife:** The amateur naturalist will also enjoy exploring this unique area. Many species of reptiles, rodents, deer, foxes and a rare bobcat can be seen in the Jalama Beach Park and surrounding area.



QUARTZ DISCREDITED

In an announcement that continues to send shock waves through the international mineralogical community, researchers at Pine Ridge Laboratory have discredited quartz as a mineral species. The news, which was delivered to a stunned audience of mineralogists, crystallographers, and geoscientists, was the result of two years work by Drs. Philip and Rhoda Zirkle, a husband and wife team who perform cryocrystallographic research at the lab. Cryocrystallography deals with the study of low temperature crystal formation.

The researchers, who made their discovery while studying the crystalline phase transitions that occur in ice when it is subjected to varying pressure and extreme low temperature, were initially puzzled by the gritty residue found in the growth chamber of their experimental apparatus. When the residue was identified as quartz, the Zirkles began an investigation to determine how it got there. After a two-year series of experiments, they conclusively determined that quartz is an ultra-stable crystalline form of water in which the individual atoms are locked in place so tightly that the compound survives the transition to normal and high temperatures.

As part of the crystallographers' research, Dr. Rhoda Zirkle examined the scientific record of the early analysis of quartz and discovered that, due to a calibration error in the original experiment, the two atoms of hydrogen in quartz were misidentified as silicon. Thus, instead of  $\text{SiO}_2$ , quartz should have been  $\text{OH}_2$  or, written in conventional notation,  $\text{H}_2\text{O}$ . She

explained that apparently no one had ever thought to confirm the original analysis. The error persisted until the Zirkles' research.

Scientists at Bell Laboratories, where quartz crystals are grown for use in the electronics industry, said the recent discovery explained a longstanding mystery. At the lab, quartz crystals are grown by "cooking" scrap quartz in a hydrothermal solution under high pressure. The scientists observed that even though the process produced large, high-quality quartz crystals, the size and number of the scrap quartz did not diminish. "Clearly, something was going on that we just did not understand," said a Bell Labs spokesperson. He added that Zirkles' results "explained everything". The synthetic quartz is formed from the water in the hydro-thermal solution while the scrap quartz acts as a catalyst.

In response to the announcement from Pine Ridge, the International Mineral Names Organization immediately discredited "quartz" as a distinct mineral species. Museum curators around the world have already begun the process of relabeling the quartz specimens in their collections as "Ice, variety Quartz" and have advised serious amateur collectors to do the same.

"Ironically", said Dr. Phillip Zirkle in an interview after the public announcement, "the ancient Greeks believed that quartz was water that had frozen so solidly that it wouldn't thaw." It looks like the ancient Greeks were right all along.

(by Lila A. Rugg, Mineral Information Network (4-1-94) — The Fallbrook Lithophiles, Richard Brusch, editor, April 1994, via the Palomar Gem, May 94, via Hi Desert Nature Museum Bulletin, Yucca Valley, 8/94.

DON'TS FOR DIAMOND SAWING:

1. Don't run the saw dry. Keep plenty of lubricant in the well and change it frequently.
2. Don't start the saw before the work has been placed in contact with the blade.
3. Don't run a blade unless it is firm and tight in its arbor. Play in the flanges can ruin it.
4. Don't put too much tension or pressure on the blade.
5. Don't expect a saw to cut a surface that is slanting. Unless the stone is set squarely against the blade it will run off the side following the slant and may be ruined.
6. Don't attempt to cut with a blade that has lost its set. Give it a new set.
7. Don't force a blade when it binds or sticks. Remove it and renew its set.
8. Don't fail to clamp the work firmly so that no slipping can take place.
9. Don't run a blade faster than recommended by its manufacturer. If in doubt, play safe; use a speed close to 500 r.p.m. for a 12" saw.

via Grindings 4/94 and Magic Valley  
Gem News 8/94

THE SEARCHERS GEM AND MINERAL SOCIETY, INC.

# Progressive Dinner

## PLEASE NOTE!

THE COST OF ADMISSION  
IS ONE NICELY POLISHED  
ROCK, ONE GOOD SLAB  
OR ONE GOOD MINERAL.  
THIS EQUALS ONE ROCK  
PER PERSON AT EACH  
STOP.

THAT'S 3 ROCKS PER  
PERSON FOR THE EVENING.

All Searchers and their guests are cordially invited to join us for a progressive dinner on Saturday, August 20, 1994, which will commence at the home of Mary Jane and Elmer Parsons for salads, followed by dinner at the home of Connie Van Kampen, and conclude with dessert, coffee and tea at the home of Jeannie and Merle Howe. Driving distance from the Parsons to CVKs is about 4 miles; from CVKs to the Howes is about 6 miles.

The only item you need to bring to this social event is one nice polished stone or one nice small slab per person per home that you plan to visit (ex: 3 rock specimens per person for the entire progressive dinner). Please deposit your item in the rock box, which will be provided by your host/hostess at each home.

See you at the progressive dinner!

Connie Van Kampen

### STOP #1: Salads 5 - 6:30 PM

Mary Jane and Elmer Parsons

1561 N Concord Ave., Fullerton (714) 870-5495

### STOP #2: Main Course 6:30 - 9 PM

Connie Van Kampen

16932 Cumberland Cir., Yorba Linda (714) 993-2827

### STOP #3: Desserts 8:30 PM - Whenever Jeannie and Merle Howe

1482 Ponderosa Ave., Fullerton (714) 529-3613

