

Santa Clara Valley Gem and Mineral Society

Send Exchange Bulletins to:  
June Harris  
107 Dell Way  
Scotts Valley, CA 95066



Please Deliver Promptly

# BRECCIA

Santa Clara Valley  
Gem and Mineral Society



**All American Club**

Volume 57  
Number 3

San Jose, CA  
March, 2010

## SCVGMS ELECTED OFFICERS

President: Marc Mullaney  
(408) 691-1584  
Vice President: Rick Kennedy  
(408) 529-9690  
Secretary: Randy Harris  
(831) 438-5150  
Treasurer: Frank Mullaney  
(408) 266-1791  
Editor: June Harris  
(831) 438-5150  
Federation Director: Ruth Bailey  
(408) 248-6195  
Alternate Fed. Director: Michael Paone  
(408) 340-3258  
Directors:  
RK Owen (408) 377-5373  
Karen Welder (408) 353-2675  
Nancy Reineking (408) 340-3258  
Art Pimentel (408) 593-7903  
Carol Pimentel (408) 489-4761  
Historian: April Bosworth (408) 226-6633  
Parliamentarian: Dean Welder  
(408) 353-2675

## SCVGMS COMMITTEE HEADS

Donation Receiving Committee Chairman:  
George Yamashita  
Field Trip Committee Coordinator:  
Dean Welder  
Field Trip Committee: Randy Harris,  
Founder's Day Picnic Food:  
Michael Paone & Nancy Reineking  
Founder's Day Raffle: Pat Speece  
Founder's Day Bingo: OPEN  
Hospitality: Carol Pimentel  
Installation Dinner: OPEN  
Librarian: Jennifer House  
Member Displays: Rick Kennedy  
PLAC (Public Lands Advisory Committee):  
Bill Spence  
Program: OPEN  
Refreshments: Ed Orekar  
Secret Auction: Donation Receiving Comm.  
Sergeant-at-arms: OPEN  
Show 2010: Marc Mullaney  
Show 2011: OPEN  
Silent Auction: John Palmieri  
Social: June Harris  
Sunshine: Ernestine Smith  
Trailer Custodian: Herb Vogel  
Trophies: Frank Mullaney  
Webmaster: RK Owen

# Santa Clara Valley Gem and Mineral Society

P.O. Box 54, San Jose, CA 95103-0054

Website: [www.scvgms.org](http://www.scvgms.org)

Email: [info@scvgms.org](mailto:info@scvgms.org)

Phone Number (408) 265-1422

## An Invitation

This society is pleased to invite guests to attend general meetings, study groups, and field trips. General meetings are normally held the fourth Tuesday of every month at 7:45 PM at 100 Belwood Gateway (the Cabana Club), Los Gatos, CA 95032. Belwood Gateway is just south of Blossom Hill Road between Leigh Avenue and Harwood Road.

***Our next general meeting will be on March 23, 2010 at the Cabana Club, 100 Belwood Gateway, Los Gatos, CA 95032 at 7:45 PM.***

***Our next board meeting will be on March 25, 2010, at the home of Dean and Karen Welder, 22682 Summit Road, Los Gatos, CA 95032 at 7:30 PM.***

Our Society's Purpose: The inculcation of a love of rocks and minerals by the furtherance of members' interests in the earth sciences and by education in all facets of related educational activities with the promotion of good fellowship, proper ethics, and conduct.

Our Membership Requirements: Attendance at two general meetings within twelve months. This society is a member of the California Federation of Mineralogical Societies (CFMS) and is affiliated with the American Federation of Mineralogical Societies (AFMS). Dues are \$10.00 per year.

Our Newsletter, the Breccia, is published ten times annually. The deadline for most articles is the Sunday before the regular meeting. The Breccia Editor is June Harris who may be contacted by email at [juneconeyharris@yahoo.com](mailto:juneconeyharris@yahoo.com) or by phone at (831) 438-5150. The Breccia is proofread by Linda Spencer. Ruth Bailey handles all aspects of mailing. Exchange bulletins may be sent to June Harris at the following address: 107 Dell Way, Scotts Valley, CA 95066. Permission to copy is freely granted to American Federation of Mineralogical Societies (AFMS) affiliated clubs when proper credit is given.

## Study Group Leaders

For information on a study group, please call the leader(s) listed below

Cutaways & Carvers	John Eichhorn	(408) 749-0523
Facet Cutters	Max Casey	(408) 227-0526
Fossileers	Gail Matthews	(650) 962-9960
Jewelers	Marc Mullaney	(408) 691-1584
Mineraleers	Chuck Boblenz	(408) 734-2473
Smithies	Pat Speece	(408) 266-4327
Stringers	Pat Speece	(408) 266-4327

## Marc's Message

We have an exciting month ahead. As you know, we have our annual Show coming up in April on the 16, 17, and 18, 2010. The show is open one hour early on Friday at 9am to accommodate the school kids we have coming. Pass the word. For simplicity in our advertising, we have the times listed as 10am to 5pm all three days. Our program this month will be all about the show. We will go over our advertising, show jobs, how the show will run, the importance of all of you helping, and possibly some of the financial reasons we need the show for our annual operating expenses. Also, do not forget the good we do for the community in the education of kids and adults in the earth sciences and lapidary.

We need all members and any guests to put car signs on their car windows. Julaine Mullaney has been doing this for several years, and the more times that someone sees our signs, the more likely they are to remember that we have a show. Keep a supply of business cards handy so you can hand them out to people because you are more than likely to get asked when you have the car sign. Another thing that will work is to put a few business cards in the crack between the window and the rubber or metal as close as you can to the sign. People will take them. One caution: remember to pick them up before you drive off so we are not littering.

We have several incentive programs to include a drawing for members and guests who sign up, in advance, to work a shift at the show including setup and tear down. Each four-hour shift gets a ticket in your name to be drawn for three special prizes at the April general meeting. Don't forget the show business card contest. If a business card you have handed out is turned in at the show, with the purchase of an adult admission ticket, you will be entered into two special drawings. I am still looking for an official chairperson (besides myself) to manage ticket sales and the raffle sales. Contact me if you are interested or would like to co-chair with me.

The Board of Directors adopted a new program this past month called the Rockhound of the Month award. Anyone can nominate to the president someone who has done something recently for the club or the hobby, and the nominee, if chosen, will be given a badge swinger for their club badge or vest. We will likely have a special page on the website to honor the awardees. Thanks to Frank Mullaney who is donating the badge swingers for the year.

I would also like to thank new member Ed Orekar for volunteering to do the refreshments at the meetings, Pat Speece for volunteering to handle the raffle at the Founder's Day Picnic on July 11th, and Chuck Boblenz for volunteering to do the mineral ID table in conjunction with our guest speaker, Steve Yvaska, who will be speaking on Antique Appraisals.

Lastly, I am pushing the re-introduction of the club vest and/or club shirts. This is by no means a mandatory thing a member has to have, but I feel that they identify us as members of the Santa Clara Valley Gem and Mineral Society (a highly awarded club in the California and American Federations) and help to promote us as group. We have worked hard to keep the cost down. Call Frank Mullaney who has the vests, shirts, and patches.

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## Member displays

**Dean Welder** displayed a portion of his vast collection of petrified wood. He brought petrified wood from the following areas: Virgin Valley, Nevada; Hampton Butte, Oregon; Woodwardia, Arizona; Joe McDonald Ranch, Oregon; Texas Springs, Nevada; Big Sand, Wyoming; Hubbard Basin, Nevada; and Yellow Cat Flats, Utah. Great display of various types of petrified wood.

**Georgiana Rudge** showed her piece of petrified wood that she found at the Goodwill Store in San Jose.

**Ed Orekar** displayed various pieces of petrified wood from Pacifica and Arizona. He also showed a special piece that a family friend sent to him from the banks of the Danube River, in Romania where his family is from.

**Ed Ferner** showed various pieces of petrified wood from the McDermott area where he likes to collect.

**Bill Simpson** showed various pieces of petrified wood from Idaho and Oregon. One of his favorite pieces was one he collected when he was 8 years old.

**Martin Kramer** brought several piece of McDermott petrified wood to display for member sharing. He has several favorite spots to collect from in the McDermott area.

**For March** all members with last names that start with A, B, or C are requested to bring something to share at members display time. Maybe you could bring what you would like to display at the show in a display case.

## Sunshine

Donna Garland is currently going through chemotherapy and is doing well. She welcomes positive thoughts and prayers.

Tiny Garland is working through some health issues and hopefully will soon have them resolved.

Bill Spence broke his ankle on a field trip in Tucson.

If you know of a society member who has been or is ill, had a death in the family, or has had a great event happen in their life, please contact Ernestine Smith with the news. Ernestine's phone number is (408) 395-5035, or email her at ebotts@juno.com.

## Save Used Postage Stamps

Frank Mullaney is collecting used postage stamps for Easter Seals Society. Please leave a quarter of an inch margin of envelope around the cancelled stamp.

## March Meeting Program

The March meeting program will be on 2010 SCVGMS Show. Come find out who is doing what and how the show supports our organization. Get all your show questions answered. Find out about what jobs are available and what each one does.

## Order Your Club Vest or Shirt

Vests and shirts are available to order. Samples will be at the March meeting. Vest and shirts will be available for pickup prior to our annual show. Contact person is Frank Mullaney, (408) 691-2656.

Name: \_\_\_\_\_ Phone # \_\_\_\_\_  
Email: \_\_\_\_\_

Club Vest:	_____ Small	\$12.50	Club Shirts	_____ Small	\$22.00
	_____ Medium	\$12.50		_____ Medium	\$22.00
	_____ Large	\$12.50		_____ Large	\$22.00
	_____ X-Large	\$12.50		_____ X-Large	\$22.00
	_____ XX-Large	\$13.50		_____ XX-Large	\$22.00
	_____ XXX-Large	\$14.50		_____ XXX-Large	\$22.00

Club vest and shirt payments should be made to: Frank Mullaney/Rocky Five

\_\_\_\_\_ Miner patch (for the back of vest or shirt) \$4.00  
\_\_\_\_\_ Club emblem patch (for front of vest or shirt) \$1.00  
Payment for patches can be made to SCVGMS

# 2010 SCVGMS Annual Show Update

## Support the show, Support the club

### Car Signs

Get them placed on your car. Call Julaine Mullaney to make an appointment.

Deadline for **single item competition** has been extended to March 23rd. Send in your entry form soon. Form was in the January Breccia, page 9. Rules on page 8, January Breccia

Deadline for **display case and competitive case entries** has been extended to the March 23rd general meeting. There are a limited number of spaces available. Send in your entry form today. Form was in the January Breccia, page 9

**Poster and business card distribution.** Contact Marc Mullaney if you can help.

Sign up at the March 23rd meeting to work the show set-up, the show, and the show tear-down, and be entered into a drawing. You will receive one ticket for every four hour shift you sign up for in advance and work at the show.

**Next show meeting**  
Date: March 18th  
Place: Ruth Bailey's home  
Time: 7:30 PM.  
Everyone is welcome!!



**Demonstrators needed**  
Do you have a lapidary skill that you would like to show off? Sign up with Jennifer House to be a demonstrator at the show.

# Check out what our study groups are doing!!!

## Mineraleers by Chuck Boblenz



The Mineraleers will meet on Tuesday, March 9th at the home of John Eichhorn at 7:30 PM. The topic will be Tiger Eye and similar materials, so dust off your specimens and bring them to the meeting to share with others. Hope to see you there.



## Cutaways and Carvers

The Cutaways and Carvers group meets on the second Saturday of the month at John Eichhorn's house from 1 pm to 4 pm. Please call John for more information and directions, 408-749-0523.

## Faceters



The Faceters will resume meeting in March. They normally meet on the first Saturday of the month at Max Casey's home. Please call Max at (408) 227-0526 for directions and more information about this group.



## Jewelers by Marc Mullaney

The Jewelers study group usually meets on the first Thursday of the month at Marc Mullaney's home from 7:00 PM to 10:00 PM. The group will be on hiatus until after our club's annual show. The next meeting will be in May. For more information about this group, please email Marc at [geologistm45@gmail.com](mailto:geologistm45@gmail.com) or call him at (408) 691-1584.

## Fossileers



The Fossileers normally meet at the quarterly Demonstration Day at the Cabana Club. The next Demonstration Day is March 20. For more information regarding this study group, email Gail Matthews at [glassrockwood@aol.com](mailto:glassrockwood@aol.com) or call her at (650) 962-9960.

## Smithies by Pat Speece



**What do the Smithies do?** We make jewelry using a torch, saw, files, polishers, et al. We teach you how and when to use the tools. You are welcome to use our tools, materials, and help. Beginners are always welcome.

The Smithies will meet regularly on the second Monday and Tuesday of the month from 7 to 10pm at the Speece home. Dates below:

- March 8 and 9
- April 12 and 13
- May 10 and 11
- June 14 and 15

These get-togethers will be workshops, so you can bring whatever you have to work on, or we can get you started on a project. You can use our cabs (free) or bring your own, and metal will be charged at cost. You are welcome to use our tools, materials, and help. Beginners are always welcome. Questions: email Pat or phone 408-266-4327.

## Rockhound of the Month

This is a newly established program that the SCVGMS board has wholeheartedly endorsed.

**Who can nominate an honoree?**  
Anyone

**Who do you nominate them to?**  
The SCVGMS President

**Time frame for nominations?**  
By the general meeting each month.

**Qualifications of nominee?**  
Someone who has recently done something that supported the club or hobby.

**How often can someone be honored?**  
Once every 18 months.

**Come to the March meeting to see who the January, February, and March "Rockhound of the Month" honorees are.**

# 2010 SCVGMS Calendar



**March 8th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**March 9th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**March 9th Mineraleers meeting at 7:30 PM at John Eichhorn's home.**  
**March 13th North Bay Field Trip meeting from 9 AM - 2 PM at the Cabana Club**  
**March 13th Cutaway and Carvers meeting from 1 PM - 4 PM at John Eichhorn's home.**  
**March 18th Show meeting at 7:30 PM at Ruth Bailey's home**  
**March 20th Demonstration Day from 10 AM - 3 PM at the Cabana Club**  
**March 23rd General meeting at 7:45 PM**  
**March 25th Board meeting at 7:30 PM at Dean and Karen Welder's home**  
**April 12th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**April 13th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**April 14th Show setup starts at 9 AM at the fairgrounds**  
**April 15th Show setup starts at 9 AM at the fairgrounds**  
**April 16th -18th SCVGMS Annual Show Fri. 9 - 5 Sat/Sun 10 - 5**  
**April 24th CFMS – North Claims seminar in Escalon**  
**April 27th General meeting at 7:45 PM**  
**April 29th Board meeting at 7:30 PM at Rick Kennedy's home**  
**May 10th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**May 11th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**May 25th General meeting at 7:45 PM**  
**May 27th Board meeting at 7:30 PM at Michael Paone's home**  
**June 14th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**June 15th Smithies open workshop from 7 PM to 10 PM at Pat Speece's home.**  
**June 22nd General meeting at 7:45 PM**  
**June 24th Board meeting at 7:30 PM at Art and Carol Pimentel's home**  
**July 11th Founder's Day BBQ/Picnic potluck**  
**July 24th Demonstration Day from 10 AM - 3 PM**  
**July 27th General meeting at 7:45 PM**  
**July 29th Board meeting at 7:30 PM at Art and Carol Pimentel's home**  
**August 24th General meeting at 7:45 PM**  
**August 26th Board meeting at 7:30 PM at Marc Mullaney's home**  
**September 11th Demonstration Day from 10 AM - 3 PM**  
**September 28th General meeting at 7:45 PM**  
**September 30th Board meeting at 7:30 PM at Randy and June Harris' home.**  
**October 26th General meeting at 7:45 PM**  
**October 28th Board meeting at 7:30 PM at RK Owen's home**  
**November 13th Demonstration Day from 10 AM - 3 PM**

## Field Trip Schedule

For more information about the field trips below, please contact Dean Welder at [fieldtrips@scvgms.org](mailto:fieldtrips@scvgms.org)

**March 13th Los Gatos NBFT Meeting** at Cabana Club from 9 AM - 2 PM. More spring and summer field trips should be announced at this meeting. Potluck lunch. Silent Auction through the meeting and lunch. Please bring something rock-related to donate to the silent auction.

**April 2nd - 4th Black Butte Reservoir** for various jaspers

**April 9th - 10th Stonyford, CA** for jaspers and agates

**April 17th - 18th Fallon, NV** for leaves in rhyolite

**April 24th Escalon, CA Claims Seminar**, "How to file a Mining Claim." Flier on page 11 of February Breccia

**May 1st Mount Diablo State Park, CA** for interpretive hikes.

**May 7th - 9th Valley Springs, CA** for Snyder's Pow Wow

**May 15th - 16th Majuba Mtn., NV** for minerals

**May 22nd - 23rd Talapoosa Mtn., NV** for agate

**May 29th - 31st Blue Forest, WY** for petrified wood

**June 13th San Benito County, CA** for benitoite Fee Dig

**July 3rd – 5th Petersen Peak (Hallelujah) & Virginia City** for quartz crystals

**October 2nd Griffith Quarry, Penryn, CA** for a tour of the quarry.

**October 9th - 10th Fernley, NV** for various minerals.

**October 23rd - 24th New York Canyon, NV** for epidote, copper, minerals, and microcline

**November 7th Black Butte Reservoir** for jasper

# Let's visit a show

## CFMS Club Show Calendar



**February 26 - March 7 2010, Imperial, CA,** Imperial Valley Gem & Mineral Society, California Midwinter Fair & Fiesta, G&M Bldg, Hours: 2/26-2/28 & 3/6-37 noon-10PM; 3/1-3/5 4PM-10PM  
Joe Rodrigues (760) 353-1965

**March 5-6-7 2010, Newark, CA,** Mineral and Gem Society of Castro Valley, Newark Pavilion, 6430 Thorton Avenue, Newark, CA 94560, Hours: Fri & Sat. 10-6; Sun. 10-5, Larry Ham (510) 887-9007, Email: [showchair@mgscv.org](mailto:showchair@mgscv.org), Website: [www.mgscv.org](http://www.mgscv.org)

**March 6-7 2010, Arcadia, CA,** Monrovia Rockhounds, Inc., Los Angeles Co. Arboretum & Botanic Gardens, 301 Baldwin Ave., Hours: Sat. & Sun. 9-4:30, Jo Anna Ritchey (626) 359-1624, Website: [www.Moroks.com](http://www.Moroks.com)

**March 6-7 2010, Ventura, CA,** Ventura Gem & Mineral Society, Seaside Park, Ventura Co. Fairgrounds, 10 W. Harbor Blvd., Hours: Sat. 10-5; Sun. 10-4, Andy Anderson (805) 987-0043, Email: [vgms\\_editor@roadrunner.com](mailto:vgms_editor@roadrunner.com), Website: [vgms.org](http://vgms.org)

**March 12, 13, 14, 2010, Victorville, CA,** Victorville Valley Gem & Mineral Society, Stoddard Well Tailgate (Stoddard Wells), Bell Mountain/Stoddard Well exit from I-15, Hours: 8-5 daily, Brett Ward (760) 954-4323, Club (760) 243-2330, Website: [www.vvqmc](http://www.vvqmc)

**March 13-14 2010, San Marino, CA,** Pasadena Lapidary Society, San Marino Masonic Center, 3130 Huntington Drive, Hours: Sat. 10-6; Sun. 10-5, (626) 355-6964 or (626) 298-1534, Marcia Goetz [joenmar1@verizon.net](mailto:joenmar1@verizon.net)

**March 13-14 2010, Spreckels, CA,** Salinas Valley, Ernie DeFever (831) 422-3422, Email: [minimad64@comcast.net](mailto:minimad64@comcast.net), Website: [salinasrockandgem.com](http://salinasrockandgem.com)

**March 13-14 2010, Turlock, CA,** Mother Lode Mineral Society, Stanislaus Co. Fairgrounds, 900 N Broadway, Hours: Sat 10-6 Sun 10-5, Bud & Terry McMillin (209) 524-3494, Email: [terry.mcmillin@yahoo.com](mailto:terry.mcmillin@yahoo.com), Website: [www.turlockgemshow.com](http://www.turlockgemshow.com)

**March 19-21 2010, San Bernardino, CA,** Orange Belt Mineralogical Society, Western Regional Little League Ball Park, 6707 Little League Drive, Hours: 9 a.m. - Dusk daily, Shane Ripley (909)557-3605, Email: [OBMS\\_PR@yahoo.com](mailto:OBMS_PR@yahoo.com), Website: <http://obmsrocks.yolasite.com>

**March 20-21 2010, Fallbrook, CA,** Fallbrook Gem & Mineral Society, Fallbrook Gem & Mineral Society Meeting Hall, 123 W. Alvarado Street, Hours: Sat. Symposium 9-3 Sun. Field Trip 9 a.m., Jennifer Rohl (714) 293-0156, Email: [rohl@earthlink.net](mailto:rohl@earthlink.net), Website: <http://www.mineralsocal.org/scfm>

**March 20-21 2010, Escondido, CA,** Palomar Gem & Mineral Club, Army National Guard Armory, 304 Park Avenue, Escondido, CA 92025, Hours: Sat. 9-5 Sun. 9-4, Van Lynch (760) 749-4164, Email: [michellandvan@hotmail.com](mailto:michellandvan@hotmail.com), Website: [www.palomargem.org](http://www.palomargem.org)

**March 20-21 2010, Vallejo, CA,** Vallejo Gem & Mineral Society, Vallejo Elks Lodge, 2850 Redwood Parkway, Hours: 10 - 5 Phylis Malacki (707) 745-3255, Email: [Vgms01@yahoo.com](mailto:Vgms01@yahoo.com), Website: [www.iwired.org](http://www.iwired.org)

**March 27-28 2010, Angels Camp, CA,** Calaveras Gem & Mineral Society, Calaveras Co. Fairgrounds (Frog Town USA), Hwy 49 in Angels Camp, Hours: Sat. 10 - Sun. 10-4, Tak Iwata (209) 928-5579, Email: [Tak2me@earthlink.net](mailto:Tak2me@earthlink.net), Website: <http://www.calaverasgemandmineral.org>

**March 27-28 2010, Lemoore, CA,** Lemoore Gem & Mineral Club, Lemoore Trinity Hall, 470 Champion Street, Lemoore, CA, Hours: 10:00 a.m. - 6:00 p.m., Judy Pereira (559) 924-4052, Email: [lemooregemshow@yahoo.com](mailto:lemooregemshow@yahoo.com), Website: [www.lemooregems.org](http://www.lemooregems.org),

**March 27-28 2010, Roseville, CA,** Roseville Rock Rollers, Roseville (Placer Co.) Fairgrounds, 800 All American City Blvd., Hours: Sat. 10-5 Sun. 10-4, Glori Marie (916) 216-1114, Email: [gloriarosevillerockrollers@gmail.com](mailto:gloriarosevillerockrollers@gmail.com), Website: [www.rockrollers.com](http://www.rockrollers.com)

**March 27-28 2010, Torrance, CA,** South Bay Lapidary & Mineral Society, Torrance Recreational Center, 3341 Torrance Blvd., Hours: Sat. 10-5 Sun. 10-4, Larry Hoskinson & Leslie Neff (310) 318-2170, Roger L. Mills, Email: [roger\\_mills@acm.org](mailto:roger_mills@acm.org), Website: [palosverdes.com/sblap/](http://palosverdes.com/sblap/)

**March 27-28 2010, Vista, CA,** San Diego County Council, Antique Gas & Steam Engine Museum, 2040 N. Santa Fe Avenue, Hours: 9-5 daily, Ray Pearce (769) 726-7570, Cathy Davis (858) 278-9987,

**April 10-11, 2010, Lancaster, CA,** Antelope Gem & Mineral Society, Lancaster High School, 44701 - 32nd Street West, Hours: 9-5 daily, Vivian Watts (760) 373-1309, Email: [Vivea22@yahoo.com](mailto:Vivea22@yahoo.com), Email: [av\\_gem@yahoo.com](mailto:av_gem@yahoo.com)

**April 10-11, 2010, Paradise, CA,** Paradise Gem & Mineral Society, Elks Lodge, 6309 Clark Road, Hours: Sat 10-5; Sun10-4, Manuel Garcia (530) 877-7324, Email: [mmpgg@earthlink.net](mailto:mmpgg@earthlink.net)

**April 10-11, 2010, Mariposa, CA,** Mariposa Gem & Mineral Society, Mariposa Co. Fairgrounds, Hwy #49, 1.8 miles South of Mariposa, Hours: 10-4, Mineral Museum (209) 742-7625, Email: [mineralmuseum@sti.net](mailto:mineralmuseum@sti.net), Website: [www.thematrixmariposagemmineralclub.info/](http://www.thematrixmariposagemmineralclub.info/)

**April 16, 17, 18, 2010, San Jose, CA,** Santa Clara Valley Gem & Mineral Society, Santa Clara County Fairgrounds, 334 Tully Road, Hours: Fri 9-5, Sat & Sun 10-5, Frank Mullaney (408) 265-1422, Email: [info@scvgms.org](mailto:info@scvgms.org), Website: [www.scvgms.org](http://www.scvgms.org)

**April 24-25, 2010, Santa Cruz, CA,** Santa Cruz Gem & Mineral Society, -Santa Cruz Civic Auditorium, Church St. & Center St., Hours: 10-5 daily, Dean Welder (408) 353-2675, Website: [www.scmgs.org](http://www.scmgs.org)

**April 24-25, 2010, Newbury Park, CA,** Conejo Gem & Mineral Club Show, Borchard Park Community Center, 190 Reno Rd. & Borchard Rd., Hours: Sat. 9-5 - Sun. 10-4:30, Robert Sankovics (805) 494-7734, Email: [rmsorca@adelphia.net](mailto:rmsorca@adelphia.net), Website: <http://www.cgamc.org>

**April 30 - May 1-2, 2010, Bishop, CA,** Lone Pine Gem & Mineral Society, Tri-County Fairgrounds (Robinson Bldg.), Corner of Sierra St. & Fair Drive, Hours: Fri. 6-9, Sat. 9:40-4, Sun. 10-3, Francee Gaham (760) 876-4319, Email: [franceem@quet.com](mailto:franceem@quet.com),

**May 1-2 2010, Anaheim, CA,** Searchers Gem and Mineral Society, Brookhurst Community Center, 2271 West Crescent Ave., Hours: Sat. 10 - 5, Sun. 10-4:30, Marty Swiderski Email: [Martin.Swidersky@jacobs.com](mailto:Martin.Swidersky@jacobs.com) Website: [www.searchersrocks.org](http://www.searchersrocks.org)

**May 8-9 2010, Reno, NV,** Reno Gem and Mineral Society, Reno Livestock Events Center Exhibit Hall, 1350 N. Wells Ave., Reno, NV, Hours: Sat. 10 - 5, Sun. 10-4, Ann Johnson (775)544-4937, Email: [ann.johnson@gmail.com](mailto:ann.johnson@gmail.com), Website: [renorockhounds.com](http://renorockhounds.com)

**May 14, 15, & 16 2010, Anderson, CA,** Superior-Cal Gem and Mineral Society, Shasta Fairgrounds, 1890 Briggs St., Hours: Fri. 9-5; Sat. 10 - 5; Sun. 10-4, Bob Davis (530) 824-6214, Email: [mcdavis@hughes.net](mailto:mcdavis@hughes.net),

**May 15-16 2010, Yucaipa, CA,** Yucaipa Valley Gem & Mineral Society, Yucaipa Community Center, 34900 Oak Glen Road, Hours: Sat. 9-5, Sun. 10-4, Bill Jochimsen (909) 790-1475, Email: [bjm2285@aol.com](mailto:bjm2285@aol.com), Website: [www.yvgms.org](http://www.yvgms.org)

**June 4-6 2010, Woodland Hills, CA,** Rockatomics Gem and Mineral Society, Pierce College, 6201 Winnetka Ave., Woodland Hills, Hours: 9 5, Gary Levitt (818) 993-3802, Email: [Show@Rockatomics.org](mailto:Show@Rockatomics.org), Website: [Rockatomics.org](http://Rockatomics.org)

**June 5-6 2010, Glendora, CA,** Glendora Gems, Goddard Middle School, 859 East Sierra Madre, Hours: Sat. 10-5; Sun. 10-4, Bonnie Bidwell (626) 963-4638, mail: [Ybidwell2@aol.com](mailto:Ybidwell2@aol.com)

**June 18-20 2010, Whittier, CA,** AFMS/CFMS Show and Convention, Hosted by North Orange County Gem and Mineral Society, So. CA University of Health Sciences Campus, 16200 E. Amber Valley Rd., Whittier CA, Hours: 10-5 daily, Mike Beaumont (714) 510-6037, Website: [www.nocgms.com](http://www.nocgms.com), or [www.amfed.org](http://www.amfed.org), Website: [networkingwave.com/afms2010/index.html](http://networkingwave.com/afms2010/index.html)

## Show and Tell Members' Display Schedule for Meetings this Year

All members are asked to display at least one time per year. This list is alphabetical, and members who live far away are not included; they may display at any time. If you cannot display in your designated month, that's OK; just display when you can. You can display as many times as you like. There are no displays in June and November because of the Silent Auctions. There are no displays in December because there is the installation dinner in lieu of our regular meeting. The displays are a much-enjoyed feature of our monthly meetings.

Don't know what to display? Any type of rock (identified or not), your latest project, information on a field trip to take, ideas for a display case, anything to do with rocks!!!

**March** Members with the last name that starts with A, B, or C.

**April** Members with the last name that starts with D, E, F, or G.

**May** Members with the last name that starts with H, I, J, or K.

**July** Members with the last name that starts with L or M.

**August** Members with the last name that starts with N, O, or P.

**September** Members with the last name that starts with R, S, T, and U.

**October** Members with the last name that starts with V, W, Y, and Z.

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## ESSENTIAL CRYSTALLOGRAPHY

### The Six Crystal Systems + Refractive Indexes

by Dave Woolley, member of the Gem and Mineral Society of Lynchburg, VA Inc.  
via the Gem and Mineral Journal, 12/2009

All fragments of a particular mineral species will belong to one crystal system, have the same crystallographic axes, and share similar optical properties.

#### The Cubic Crystal System

Visualize a cube. Imagine lines drawn inside a cube such that each line touches the middle of two opposing faces; six faces, three lines. Note that the length of each line is identical and that the three lines meet at the center, angled 90 degrees from each other. These three lines or **Crystallographic Axes** make a practical presentation of the Cubic Crystal System. These three axes will also touch the six corner points of an octahedron; the cube and the octahedron are the two most common **forms** of the Cubic Crystal System. A form is dictated by the internal geometry of the atoms in the molecules of a crystal. There are several other Cubic Crystal System forms such as the dodecahedron, typical of garnet; the pyritohedron, with five-edged faces sometimes seen in pyrite; and the tetragonal trisoctahedron, a rare form for garnet. Within the six Crystal Systems there are 48 possible forms. There are also numerous combinations of forms within each

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System such as a pyrite crystal as a cube with octahedral corners modified with tetragonal trisoctahedron faces, plus pyritohedron faces and pyritohedral striations on the cubic faces. Forms and outward appearances differ in response to environmental stresses during crystallization such as temperature, pressure, and contaminants. For example, crystallized in a number of unique environments in igneous, sedimentary, and metamorphic rock, more than 1,400 combinations of forms have been described for the mineral calcite. The appearance of a crystal can be aesthetically pleasing; a “perfect” fluorite cube is prized in many collections. A single example of fluorite, however, may be distorted beyond crystal-system-recognition if the build up of one side is more than the other due to the direction of flow of the solution from which the mineral crystallized or if the crystal became crowded by adjacent crystals.

### Indicatrix

Imagine the three Crystallographic Axes of a cube as being contained within a sphere. Refractive Index values can be represented by the length of the Crystallographic Axes; the greater the Refractive Index number, the longer the axes and the bigger the diameter of the sphere. This ‘solid’ representation of the Refractive Indexes by length of the Crystallographic Axes is called an **Indicatrix**. Thus the Indicatrix of fluorite would have a diameter of 1.434 units, the representation of the Refractive Index of 1.434. Diamond would have a diameter of 2.407. A simple jeweler’s Refractometer can be used to measure the Refractive Indices of transparent sample to assist with identification. An Indicatrix is very useful in visualizing a crystal, regardless of the crystal’s form, the outline of a fragment, the orientation of a cut gem, or more importantly, to which Crystal System it belongs.

### The Tetragonal Crystal System

Imagine the cube again. Lengthen one axis. By stretching the vertical axis and four vertical sides, a rectangle is created whose sides share two different length edges. The three Crystallographic Axes meet at right angles; one axis is longer than the other equal-length two. The Indicatrix, visualized within the rectangle for the Tetragonal Crystal System example, is a tall, oval solid having a central section being a circle containing and being the diameter of the two equal length axes. For Zircon the height is 2.02 and the diameter is 1.92. The long axis represents the higher Refractive Index. That unique length axis is labeled the **Optic Axis**. If the Optic Axis was shorter than the other two, with a lesser Refractive Index value, that Indicatrix would be a short, stubby oval.

### The Hexagonal [and Trigonal] Crystal System

If a third axis of the same length is added in the plane of the other equal length two of the Tetragonal System, and they are spaced at 120 degrees from each other, the rectangle becomes a six-sided prism, a hexagon shape like a pencil. Again, the odd length axis at right angles to the plane of the equal length axes can be either longer or shorter in length. Since the three equal axes also define a circle, the Indicatrix is again an oval solid with a circular center section, similar to the Tetragonal Indicatrix. If the single axis, the Optic Axis, is longer, it has the higher Refractive Index; if shorter, with a lower Refractive Index, the Indicatrix becomes a short, squat, oval solid. *As with the Tetragonal System, if the Optic Axis is longer than the other axes, the **Optic Sign** is “positive”; if shorter, the Optic Sign is called “negative”.* Think + for positive and – for negative for showing the height of the Optic Axis of Tetragonal, Hexagonal, [and Trigonal] Crystal Systems. The Trigonal System emphasizes one end of each of the three axes, often producing a three-sided prism or a three-faced termination. Some sources consider the Trigonal a separate crystal system.

### The Orthorhombic, Monoclinic, and Triclinic Crystal Systems

Imagine the Tetragonal three Crystallographic Axes. Take one of the two equal length axes and stretch it a little: the three unequal length axes still meet at right angles.

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The 'tetragonal rectangle' stretches to an 'orthorhombic rectangle' whose sides share three different length edges: the Orthorhombic Crystal System.

Tilt a plane containing any two Axes: the Monoclinic Crystal System.

Change the angle between the remaining two right angle Axes so that no angle is 90 degrees: the Triclinic Crystal System.

The Indicatrix of the orthorhombic, monoclinic, and triclinic crystal systems are also ovals with the following added characteristic. Where the tetragonal and hexagonal Indicatrix has a circle for a center section with one optic axis at a right angle to the circle, the orthorhombic, monoclinic and triclinic Indicatrix have an *oval* center section. This forces the Indicatrix for the final group to have two circular sections plus two Optic Axes tilted equally away from the **oval-shaped center section**.

It is easy to visualize this Indicatrix as a solid oval with three different length axes presenting three Refractive Indexes. For example kyanite has three Refractive Indexes: 1.712, 1.720, and 1.728. Note that Crystallographic Axes and Optic Axes have different definitions: The Optic Axis and the "C" axis of tetragonal and hexagonal systems coincide. The Optic Axis and any of the Crystallographic Axes of orthorhombic, monoclinic, and triclinic systems may not coincide.

Each advance from cubic to triclinic reduces the amount of symmetry possible, making the study of symmetry reduction a way to help identify *near perfect* crystal samples of minerals. Optical measurements made with a Refractometer make mineral identifications much easier because any one crystal sample may be distorted, disrupting symmetry; the cutting of a gem often eliminates observable crystal symmetry. In addition to Refractive Indices, the Refractometer provides the Optic Sign which allows the matching of R. I. numbers plus the O.S. to gem and mineral data lists that are available at locations including textbooks and the Internet.

As in the cubic and subsequent crystal systems, an orientation that "looks" through a crystal and "sees" equal length axes at right angles to the "look" direction, has only one refractive index to be measured. Any "look" in a cubic crystal sees a circular section with one refractive index. That unique "look" orientation in tetragonal and hexagonal system crystals is oriented down the "C" axis; they each have only one Optic Axis and are therefore labeled Uniaxial. The Indicatrix for the final group of crystals systems have two Optic Axes, "two look" directions with circular sections, and that group is called Biaxial.

### **Minerals and gems are grouped in the following manner:**

**Isotropic:** (Having optical properties the same in all orientations.)

Cubic

**Anisotropic:** (Having optical properties that vary with orientation.)

**Uniaxial** (Having one Optic Axis which coincides with the "C" Crystallographic Axis.)

Tetragonal Hexagonal [and Trigonal]

**Biaxial** (Having two Optic Axes that may not coincide with any Crystallographic Axis.)

Orthorhombic

Monoclinic

Triclinic

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### Naming and Orientation of Crystallographic Axes

Protocols have been developed for referencing the crystallographic axes of the various crystal systems as follows: The three identical axes of a cubic crystal are each called an "A axis". The two or three equal axes of tetragonal, hexagonal, [and trigonal] crystals are called "A axes" while the other longer (or shorter) axis is called the "C axis". The C axis is often pictured in a vertical position. For the remaining crystal systems, the general convention is by length:  $C < A < B$ , or that the C axis is the shortest axis, with exceptions. The excepted minerals are due to crystallographic and optic requirements which will not be enumerated here; consult good mineralogy texts for the particulars. "Rock Forming Minerals" by Deer, Howie, and Zussman, is useful for the silicate minerals; find the "Introduction" volume, if not the entire set. "The System of Mineralogy" Volumes I and II by Dana for the non-silicates, plus Volume III for quartz, are highly recommended. Various editions have been published by John Wiley and Sons, Inc.

### Review

Isotropic: Cubic crystals have one Refractive Index but no Optic Axis or Optic Sign.

Examples: diamond, fluorite, garnet, sodalite, sphalerite, spinel

Anisotropic:

Uniaxial crystals have one Optic Axis, two Refractive Indices plus an Optic Sign.

Examples: Tetragonal – rutile, sheelite, vesuvianite, zircon  
Hexagonal – apatite, beryl, nepheline, phenakite, [and  
Trigonal] – benitoite, calcite, corundum, quartz, tourmaline

Biaxial crystals have two Optic Axes and three Refractive Indices plus an Optic Sign.

Examples: Orthorhombic – andalusite, olivine, tanzanite, topaz  
Monoclinic – epidote, sphene, spodumene, staurolite  
Triclinic - axinite, kyanite, rhodonite, wollastonite

### Sidebar: Dispersion

Dispersion is the breaking up of white light into component colors as it passes through a prism. Un-colored or lightly colored faceted gemstones act as multi-windowed prisms that ideally breakup up light into bursts of colors. Generally, the higher Refractive Index, the greater the dispersion. Thus, a diamond, R.I. 2.40 has greater color dispersion than quartz, R.I. 1.54 and 1.55. Facetted diamonds always look more exciting than quartz gems. Dark colored gems filter out all rainbow colors except the base color of the stone.

### Sidebar: Birefringence

Materials exhibiting more than one Refractive Index are said to have birefringence. **Birefringence** is the numerical difference between the greatest high R.I. reading and least low R.I. reading *at any one particular wavelength* of light for a mineral. Birefringence is not a characteristic of isotropic crystals, having only one Refractive Index. Birefringence is a measurable characteristic of anisotropic crystals.

### Sidebar: Pleochroism and the Dichroscope

In addition to possible color zoning, changing the orientation of a crystal may exhibit different colors depending on the sample's Crystal System. Color variations may be subtle or obvious as certain color frequencies of white light are absorbed allowing others to pass in unique directions. The phenomenon is generally called **Pleochroism**. A **Dichroscope** will separate any two colors side-by-side for comparison. Isotropic minerals have but one color, if any. Uniaxial crystals are **dichroic** having two possible colors; remember that the Optic Axis and the "C" Crystallographic Axis is the same in Uniaxial Crystals. Thus, beryl may have two colors; one when viewed down the length of a crystal, and another color when viewed across the length of a crystal, which includes the influence of both the "C" and the "A" axes. That second view, or any random orientation

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not down the Optic Axis, will present both colors when viewed through a Dichroscope. Tourmalines may exhibit very strong pleochroism: while a very pleasing color may be present looking through the length of a crystal, the end view might be unpleasant or very dark. Conversely, the end view may be the better color for a gem.

Biaxial minerals are **trichroic**. Experiencing **Trichroism** means having three possible colors; only one color is seen “looking” down either Optic Axis with a Dichroscope. Tanzanite may have a yellow, a blue, and a purple color or other colors in the same sample.

If there is no crystal form for orientation, randomly rotate the sample to find all possible color variations; one for Isotropic minerals, one or two for Biaxial, and one to three for Uniaxial, observable one or two colors at a time through a Dichroscope.

## Be Safe - Be Well

by Don Monroe, Safety Committee Chairman

via the Lodestar, Newsletter of the Southeast Federation of Mineralogical Societies, Inc, 11/09

## Hazardous Waste

If you have not been advised about the potential dangers of hazardous waste, I can only assume that you do not read the newspapers or watch TV news. I think we will all agree that there is much “bad stuff” out there that we should all avoid. Well, I want to give you a different slant on this problem. A few days ago I walked out of a public building and noticed that there was a small test strip (used) on the ground. No, I did not pick it up with my bare hand; I used a Kleenex and carried the item to the nearest trashcan. With all of the “bad germs” that may be present in human blood, I am very cautious about other people’s blood. As a matter of fact, I am a borderline diabetic and I am very cautious about how I dispose of my test strips. In addition to the obvious contamination, I also suspect that those little strips will not disintegrate for a long, long time nor will the lancets which we use to draw the little drop of blood for our testing.

At this point I realized that I had really opened a “can of worms” in my mind regarding the hazardous waste that we all may create. Let me share with you a few other waste products that we may encounter. My list includes but is not limited to the following:

- Kleenex- now who does not use Kleenex?
- Sanitary products- we men know just enough to leave them alone
- Disposable diapers- I am appalled at how many times you find used diapers thrown down on the street. Now is that filthy or what?
- Tobacco products (partially consumed) and spit
- Dental floss and chewing gum.
- Syringes- just the threat of aids should terrify us. All of our medical service providers are most careful about this.
- Band aids, bandages, and swabs- When your doctor takes a blood sample and puts a little bandage over the hole, what do you do with the little bandage once the bleeding stops?
- Dead things- Animals, pets, bugs, and other deceased organisms are not only unsightly, but may be dangerous. In our area we are very suspicious of dead raccoons because of the possibility of rabies.
- Paper products such as cups & paper towels.
- Pet waste- Many, many of us have pets and should be cleaning up after them.

We live in a society where everything is disposable. It has not always been that way. Way back when, we drank out of glasses and cups. We used cloth diapers, napkins, and handkerchiefs, and we laundered these items after using them. Any germs were at least kept in our dwellings. This is no longer the case. We all tend to spread our germs everywhere. Think about it.

# Chile Earthquake May Have Shortened Days on Earth

by SPACE.com Staff posted: 02 March 2010 10:02 am ET

The massive 8.8 earthquake that struck Chile may have changed the entire Earth's rotation and shortened the length of days on our planet, a NASA scientist said Monday. The quake, the [seventh strongest earthquake](#) in recorded history, hit Chile Saturday and should have shortened the length of an Earth day by 1.26 milliseconds, according to research scientist Richard Gross at NASA's Jet Propulsion Laboratory in Pasadena, Calif. "Perhaps more impressive is how much the quake shifted Earth's axis," NASA officials said in a Monday update.

The computer model used by Gross and his colleagues to determine the effects of the [Chile earthquake](#) effect also found that it should have moved Earth's figure axis by about 3 inches (8 cm or 27 millarcseconds). The Earth's figure axis is not the same as its north-south axis, which it spins around once every day at a speed of about 1,000 mph (1,604 kph). The figure axis is the axis around which the Earth's mass is balanced. It is offset from the Earth's north-south axis by about 33 feet (10 meters).

Strong earthquakes have altered Earth's days and its axis in the past. The 9.1 Sumatran earthquake in 2004, which set off a deadly tsunami, should have shortened Earth's days by 6.8 microseconds and shifted its axis by about 2.76 inches (7 cm, or 2.32 millarcseconds). One Earth day is about 24 hours long. Over the course of a year, the [length of a day](#) normally changes gradually by one millisecond. It increases in the winter, when the Earth rotates more slowly, and decreases in the summer, Gross has said in the past.

The Chile earthquake was much smaller than the Sumatran temblor, but its effects on the Earth are larger because of its location. Its epicenter was located in the Earth's mid-latitudes rather than near the equator like the Sumatran event. The fault responsible for the 2010 Chile quake also slices through Earth at a steeper angle than the Sumatran quake's fault, NASA scientists said. "This makes the Chile fault more effective in moving Earth's mass vertically and hence more effective in shifting Earth's figure axis," NASA officials said. Gross said his findings are based on early data available on the Chile earthquake. As more information about its characteristics are revealed, his prediction of its effects will likely change.

The Chile earthquake has killed more than 700 people and caused widespread devastation in the South American country. Several major telescopes in Chile's Atacama Desert have [escaped damage](#), according to the European Southern Observatory managing them. A salt-measuring NASA satellite instrument destined to be installed on an Argentinean satellite was also undamaged in the earthquake, JPL officials said.

The Aquarius instrument was in the city of Bariloche, Argentina, where it is being installed in the Satellite de Aplicaciones Cientificas (SAC-D) satellite. The satellite integration facility is about 365 miles (588 km) from the Chile quake's epicenter. The Aquarius instrument is designed to provide monthly global maps of the ocean's salt concentration in order to track current circulation and its role in climate change.

## USDA FOREST SERVICE WILL HOST PUBLIC EVENTS ON DEVELOPMENT OF THE NEW PLANNING RULE

**WASHINGTON, Feb.24, 2010**--USDA Forest Service Chief Tom Tidwell today announced a series of events to provide opportunities for public discussion on the development of a new Forest Service Land and Resource Management Planning Rule (planning rule). The Forest Service will host a national science forum, three national roundtables, and nine regional roundtables.

Providing multiple opportunities for public participation ties directly to President Obama's call for open government that is transparent, participatory and collaborative, and illustrates Forest Service commitment to engage the public in the development of a new planning rule. "We encourage broad participation in the creation of our new planning rule," said Tidwell. "Through collaboration we will be able to better address the current and future needs of the National Forest System such as restoration, protecting watersheds, addressing climate change, sustaining local economies, improving collaboration, and working across landscapes."

Following the meetings, notes will be posted on the planning rule Web site, <http://www.fs.usda.gov/planningrule>, to allow for further feedback. Summaries of the presentations and discussions in the science forum and roundtables, along with the individual comments received during the 60-day formal comment period on the Notice of Intent, will be used to develop the proposed rule and a draft environmental impact statement.

The meetings announced today include: National Science Forum March 29 and 30, 2010, in Washington, DC.; national roundtables April 1 and 2, April 20 and 21, and May 11 and 12, 2010, in Washington, DC.;

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nine regional roundtables in the following locations:

- Pacific Northwest Region (Region 6), Portland, OR on April 6, 2010;
- Pacific Southwest Region (Region 5), Sacramento, CA on April 6, 2010;
- Intermountain Region (Region 4), Salt Lake City, UT on April 8, 2010;
- Rocky Mountain Region, (Region 2), Lakewood, CO on April 12, 2010;
- Northern Region (Region 1), Missoula, MT on April 13, 2010;
- Alaska Region (Region 10), Juneau, AK on April 13, 2010;
- Southern Region (Region 8), Atlanta, GA during the week of April 12, 2010 (exact date to be determined);
- Eastern Region (Region 9), Chicago, IL during the week of April 28 (exact date to be determined); and
- Southwestern Region (Region 3), Albuquerque, NM on April 28, 2010.
- Region 2 will host additional meetings on April 14 in Cheyenne, WY and an April 21 meeting in Rapid City, SD.

Webcasting may also be available for selected meetings; please check the planning rule website, at <http://www.fs.usda.gov/planningrule>, for the most up-to-date information. To encourage widespread participation, the Forest Service is using new media tools in conjunction with the public meetings. Please visit <http://blogs.usda.gov/usdablogs/planningrule> to participate in the Forest Service web-based planning rule blog.

The mission of the USDA Forest Service is to sustain the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of present and future generations. The agency manages the 193 million acres of National Forest System land, provides stewardship assistance to non-federal forest landowners, and maintains the largest forestry research organization in the world.

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SCVGMS Regular Membership Meeting  
February 23, 2010

The meeting was called to order at 7:45 PM at the Belwood Gateway Cabana Club.

Announcements: Club vests are available for purchase. Matching shirts will be available soon. There will be a Demo Day on March 20<sup>th</sup> at the Cabana Club.

The Board meeting will be held Thursday, February 25<sup>th</sup> at Ruth Bailey's home, hosted by Michael Paone.

Minutes of the January meeting were approved as printed in the Breccia.

New Members: No new members were present.

Correspondence: There was a bill for the trailer storage, CFMS Scholarship Committee letter announcing Frank Monez as the honoree, an invitation to participate in the Santa Clara County fair in August, a thank you letter from the AFMS Scholarship committee for the \$50 contribution in memory of Betty Leach, and coupons for Chevy's Restaurant and Direct TV.

Sunshine: Donna Garland is receiving treatments for cancer and Tiny Garland is dealing with some new health issue.

Study Groups: See listings in the Breccia.

DRC: Waiting for the weather to warm up for the next rock sale.

Hospitality: There were 45 members and 11 guests in attendance.

Founder's Day Picnic: The annual Founder's Day Picnic will be held July 11<sup>th</sup>.

Installation Dinner will be held on December 7<sup>th</sup>, 2010.

PLAC: No report was presented.

Federation Report: Frank Monez is one of the Scholarship Honorees for this year. The Federation is hosting a Land Claim Seminar on April 24<sup>th</sup> in Empire. E-mail or call Dean Welder for a copy of the flier. The CFMS Show is June 18<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup>.

Field Trips: The NBFT spring meeting will be March 13<sup>th</sup>, hosted by SCVGMS here at the Cabana Club. A Benitoite screening trip is being planned. See the Breccia for more information.

The Scholarship Recipients were introduced and each told us about their areas of study and future goals. Their names are: Tony Lenci and Grant Deem from SJSU, and Thomas Smart from UCSC.

2010 Show: The next show meeting will be March 18<sup>th</sup> at Ruth Bailey's home. Sign up to have a sign put on your car windows. Sign ups to work at the show were sent around the room. Sign up for the Business Card Contest. More people are needed to enter display cases. We will need someone for overnight security inside the building on Thursday, Friday and Saturday nights. Pat Speece needs serpentine to make cards to give away. There are many other things to do. See Marc Mullaney to offer assistance.

Member Displays: See the Breccia for details.

Door Prize Drawing: Names were drawn for the door prizes.

Program: The program tonight was on the Ginkgo Petrified Forest in Washington State. The video was called "Trees of Stone".

The meeting was adjourned at 8:55 PM.

Respectfully submitted, Randy Harris, Secretary

SCVGMS Board Meeting  
February 25, 2010

The Meeting was called to order at 7:37 PM at the home of Ruth Bailey. The next meeting will be at the home of Dean and Karen Welder.

Roll Call: All board members were present except Frank Mullaney, R K Owen, Art and Carol Pimentel.

Minutes of the January 28, 2010 meeting were approved as read.

New Members: There were no applications for membership.

Correspondence: There was a bill for the trailer storage and an invitation to participate in the Santa Clara County Fair. There was discussion about the e-mail to the board of directors, dated February 5, 2010, from Chris Cherry. A reply was approved. The February Breccia was amended.

Treasurer's Report: M/S/P (R. Harris, J. Harris) to pay the bills presented.

2010 Show: Marc Mullaney presented the contract with KFOX Radio. Another 5000 business cards have been ordered. M/S/P (R. Kennedy, R. Bailey) to authorize the purchase a Fly Guy and three or four banners, with a base and weight, for a total cost of approximately \$700. The Fluorescent Mineral Society has responded that they will be at the show. M/S/P (M. Paone, R. Harris) to pay the deposit for the 2011 show to the fairgrounds. M/S/P (R. Bailey, R. Harris) to charge the same dealer fees for the 2011 show. The business cards and posters are in the works for the 2011 show. June passed out a draft copy of the program for this year. Dean and Karen Welder volunteered to print the programs if they are provided with the paper.

Volunteer Rewards Committee: No report.

Take Flight for Kids: Their next event will be in August at Reid Hillview Airport.

Installation Dinner: No Report.

Field Trips: There will be a trip to screen for Benitoite June 13th. The NBFT meeting will be March 13<sup>th</sup> hosted by SCVGMS.

Founder's Day Picnic: July 11<sup>th</sup> has been chosen as the date for the picnic. Michael Paone is the chairman. Pat Speece will do the raffle.

Club vests are available. The club shirt was presented. The cost will be about \$22 depending on the size. M/S/P (M. Paone, K. Welder) to approve the shirt as the official club shirt.

The meeting was adjourned at 8:43 PM.

Respectfully submitted, Randy Harris, Secretary

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SCVGMS Treasurer's Report  
February 18, 2010

Beginning balance		\$26,050.43
Receipts		
Interest	.18	
Total receipts	.18	
Disbursements		
ALAA membership dues	\$ 50.00	
2010 Show scholarship booth	\$ 40.00	
2010 Show scholarship booth	\$ 545.40	
CA State Mining and Mineral Museum Membership	\$ 145.00	
Phone bill - January	\$ 22.56	
Mascot patches	\$ 401.49	
2010 Show Kids Area patches	\$ 666.43	
Breccia postage	\$ 24.40	
Total disbursements	\$1,895.28	
Ending balance		\$24,155.33

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