



# The Matrix

# SMS

Official Newsletter of the  
Sacramento Mineral Society  
Sacramento, California

June 2007  
Volume 67, No. 6

## Visit from the Webelos

--By Kevin Beguhl

Late last month I received an email from Webelos Pack #281 (aka, the *Scorpions*) in Gold River expressing a desire to come out to our club for a field trip. The idea was great and fits perfectly into what we are all about, learning and promoting our interest in rocks, minerals and lapidary.

There was only one little hic-up. Their monthly meetings are on the first Thursday of the month, and we all know what was about to happen that first weekend of May. That's right – *Snyder's Pow Wow*. So after a little thought I decided that I would not go to the pow wow until Friday and would ask **Frank Fawcett** to do the same. I had forgotten that Frank was out of town, but he called to let me know that he was going to be back and could help out at the pow wow, so I asked him to help at the Webelos field trip, and he agreed.

So Frank and I got to the club about 6:00 p.m. to set up and get ready for the arrival of the Webelos at 6:30; they were scheduled to be there until about 7:15 p.m. Upon their arrival, Frank and I started off by talking about different rocks that we brought samples of. While I focused more on the beauty of different stones, Frank talked more about the science and formation of stones, having brought samples and a microscope for the kids use to view the stones. I talked with the boys about how difficult it can be to tell what you have just from the outside, and brought some jewelry samples to show what you can make from stones that you find.

After a question and answer session, Frank suggested that we show them the shop, and that went over great with the kids! Frank showed them how we use the saws to cut rocks and I took a small piece of tiger eye and showed how to make a cab. It is always nice to see enthusiasm and we were getting a lot of that from this group. Frank told the troop leader that we would let them go through the rock pile and find a souvenir that each could take back as a reminder of their new found love of rocks. Talk about having fun... You would have thought they were a bunch of kids in a candy store! They had a great time hunting for that "perfect" rock, and once they did we all posed for a picture in front of the rock pile. Remember how I said that they would have to leave about 7:15? Well by this time it was approaching 8:00 p.m. and they all still had yet to leave! But we did invite them back for our Open House and BBQ as well as to join the SMS as junior members.

I think Frank and I had as much fun as the Webelos, so it was great all the way around!

Addendum: On May 26<sup>th</sup> at our open house, we received a package addressed to Frank and myself, and in it was a framed copy of the picture we all took as well as a thank-you card. We did see some of the Webelos take us up on our invitation to the BBQ, and again they thanked us for a great time.



Guides Frank and Kevin remain cool amid all the "rock fascination" displayed on the faces of the young Webelos during their tour of the SMS grounds on May 3rd.

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**Sacramento Mineral Society**

P.O. Box 160544 ♦ Sacramento, CA, 95816

Founded February 1936 ♦ Colors: Blue & Gold

Member of:

- American Federation of Mineralogical Societies
- California Federation of Mineralogical Societies
- CO-OP Field Trip Association

**Location and Meeting Times:**

SMS Clubhouse  
4205 Lemay Street, Rancho Cordova, CA

- Business Meeting:  
2<sup>nd</sup> Thursday of every month, 7:00 p.m.
- Educational Meeting:  
3<sup>rd</sup> Thursday of every month, 7:30 p.m.

**Visitors are always welcome.**

Shop open Saturday and Wednesday  
10:00 a.m. to 2:00 p.m.; Shop fee: \$7.00

Dues: \$30.00 per calendar year/Juniors \$1.00

Web Site: [www.sacmineralsociety.org](http://www.sacmineralsociety.org)

**Mission Statement**

The Sacramento Mineral Society is dedicated to promoting interest in and increasing knowledge and understanding of mineralogy and the related sciences and lapidary and the related arts; to promote and organize field trips, to encourage the study of geological formations and the collection and preservation of minerals as they occur in nature.

**SMS Goal**

The goal of the Sacramento Mineral Society is to gain and maintain an active membership of adults and juniors who are interested in mineralogy and the related sciences, and lapidary and the related arts, and who will eventually carry our club into the future. Our club is about learning and teaching. We all have something to learn and each of us has something to teach. We share our passion for minerals, fossils and the lapidary arts.



The right to copy is freely granted to all AFMS-affiliated clubs and its members with proper credit given to *The Matrix*. All articles are written by the editor unless otherwise noted.

Deadline for submission of items is the 25th of each month preceding publication. Submission of items by email is preferred and should be addressed to: [sms-editor@pacbell.net](mailto:sms-editor@pacbell.net). All other items should be mailed to the attention of the editor at the SMS address:  
P.O. Box 160544, Sacramento, CA 95816

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- Secretary: Joy Fergoda (530) 756-5859 [jafergoda@yahoo.com](mailto:jafergoda@yahoo.com)
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**Committees and Chairs**

- By-Laws: Tarance Beguhl Shop Advisors: Stan Henneman  
Frank Fawcett Carl Zimmerman
- Kris Jarusevicius Shop Foreman: Tarance Beguhl
- Display: Carl Zimmerman Juniors: Bill Elkins
- Field Trips: Dan Brown Custodian: Joy Fergoda
- Groundskeeper: OPEN Webmaster: Kris Jarusevicius  
Historian: Frank Fawcett Tarance Beguhl
- Librarian: Frank Fawcett Scholarship: Kim Hofer  
Sheldon Shuper
- Newsletter Mailing: Meg & Frank Zbierski Meg Zbierski
- Membership: Frank Fawcett (Temp) Audit: OPEN (2)
- Club Publicity: Tarance Beguhl
- Business Advertising & Corporate Sponsorship: Kevin Beguhl, Sheldon Shuper

**2007 Show Committees and Volunteers**

- Show Chairs: Kevin Beguhl  
Frank Fawcett  
Kris Jarusevicius
- Show Food Chair: Linda Baglin
- Show Print Advertising: Janice Marzolf
- Show Mailings: Janice Marzolf
- Dealer Contracts: Kevin Beguhl  
Sheldon Shuper
- Exhibits: Sheldon Shuper
- Juniors Activities & Spinning Wheel: OPEN

**June Shop Steward Schedule**

Saturday*		Wednesday	
June 2	Sam L. / ?	June 6	Ron S.
June 9	AIR SHOW (See page 7)	June 13	Stan H.
June 16	Tarance B. / Stan H.	June 20	Carl Z.
June 23	Craig M. / Stan H.	June 27	Craig M.
June 30	Kevin B. / Tarance B.		

**Stewards: Please contact Stan Henneman at 363-5011 if you are unable to cover your assigned shift.**

\*Two Shop Stewards are now available on Saturdays to assist with saw cutting.

**Reminders:**

- Glasses are always required while working in the shop.
- Be sure to sign in before using shop equipment.
- Report any problems to the Shop Steward of the day.
- Rock cutting is to be performed by Shop Stewards only.
- Please be sure to clean up your work area and your machine before leaving for the day.

## President's Message

Hello! I know you are all aware of how busy a month this past May has been, so it is nice to say that it is just about over.

First, we all know that the first weekend included *Snyder's Pow Wow* and that took a lot of effort from quite a few people, all of whom deserve recognition and thanks.

On Thursday, **Tarance Beguhl** and **Joy Fergoda** picked up and delivered all the tables, canopies and other miscellaneous materials needed to set up the SMS booth. Tarance and Joy then set up the booth even against the wishes of Mother Nature. It appears that there was a small tornado or large whirlwind that came through. It merely blew our canopy around but it did destroy some displays and merchandise from some of the other vendors. At just the right time, help arrived from **Stan Henneman** and **Ron Shimizu**.

On Friday, my wife **Rosie Beguhl** (and owner of *Katerina's Treasures*) volunteered to help man the booth and spinning wheel along with me, and the four of us (Tarance, Joy, Rosie and myself) manned the booth for the day. Due to a miscommunication from me (I guess) we wound up with no rocks for the spinning wheel or sales at the start of the day so I went to another vendor and purchased some large bags of tumbled stones to supplement the costume jewelry that *Katerina's Treasures* donated to the club for the spinning wheel. The weather was so bad (nasty and rainy) that there was very little traffic moving around and the field trip had to be delayed until later in the day. Later on Friday, **Linda Baglin** and her husband, as well as **Frank** and **Meg Zbierski** showed up to help out. Linda and family camped out and stayed the weekend along with Joy, Tarance and my family. On Friday evening I ran to Galt to look at a saw and decided to go on back to the clubhouse and load up on rocks. So by the end of the day we were all back on track.

On Saturday, everything took off with a bang – lots of people moving around buying and spinning the wheel (not many rock sales but we were told many times that we had the best wheel to spin). Additional help came with the appearance of **Frank Fawcett**, **Sam Lister**, **Sharon Jacobson**, and a few others that I am unintentionally forgetting. They joined forces with Rosie, Tarance, Joy, Linda, and I, and we had a great day even though the wind got so bad we had to take the top off the canopy to keep it from blowing away.

Tarance and I went on the field trip with **Les Clark** and got some great pieces of dendritic opal and agate. We ended the day with the dinner in the barn sharing some time and stories with the other guests and vendors.

On Sunday, things started off well and the weather finally decided to play nice (hot and sunny). The spinning wheel kept spinning at a nice pace and people got to go do more shopping for that great piece that had eluded them until this point. At the end of the day when the time to tear down and pack it all back approached, Frank and Meg again showed up and helped tear down the booth and haul it all back to the clubhouse with Tarance and Joy. So by the end of the day we were ready for *Snyder's* to come to and end.

But it was a productive weekend and a nice event.


As you will see or have seen on the front cover, this was not the only thing happening this week: we also had a visit from a Webelos troop at the clubhouse. That event went well and I again would like to thank Frank Fawcett for the help with that event. It was only made great with his help.

Then we move farther into the month with the *Gem Faire* show. This was overseen and coordinated by Stan Henneman, but had the help from many of the members. I am only able to say thanks in general because I am unaware of the individuals that helped out, only that I heard it went off flawlessly and people had a great time. So hooray! Great job and thank you from all the members.

And finally, the day I'm writing this – the day of the BBQ and Open House, May 26<sup>th</sup>. Talk about a great turnout! It was absolutely crazy! We had several people set up tables and show off and sell their rocks and other items. There were crowds of people for what seemed like forever. Special thanks need to go out to **Carl Zimmerman** and **Bill Elkins** for cleaning up all the weeds and making the yard spiffy for the open house. And more thanks to Carl and his wife for working the food table in the clubhouse as well as setting up and cleaning up. Thanks also to **Dorothy Lindke** for volunteering to work selling tickets for the food, and to Tarance for coordinating the set-up as well as running the BBQs along with Ron, because no one person could have kept up with the demand we saw for hot dogs and hamburgers. Thanks to Stan for running the info booth and selling rocks, and to Kris for helping me stay sane as well as overseeing some of the mass confusion due to the volume of people. And many thanks to those others that I am sure I am missing. Believe me when I say that this is just an oversight, because you are all needed and appreciated to make these events as popular, successful and as great as they are.

So I will end in saying THANK YOU to all and wish you a great month of June. I hope to see many of you at the dichroic glass class on June 23<sup>rd</sup>.

~Kevin Beguhl  
2007 President



*Kevin, Frank,  
I would like to thank you again for accommodating the "Scorpions". I could tell the kids really were interested in your rock, mineral, and lapidary presentations. In addition, the rock polishing and cutting demonstrations were equally impressive. Both of you really grabbed their attention. The kids will never look at a rock the same way they used to. Now, they'll want to cut it open and see what's inside.  
I also want to thank you for letting the kids grab a few samples. It was very generous of the Society. I have attached a couple of pics. I think their faces say it all. Again, thank you very much for everything.  
Sincerely, Kurt Komatsubara*

## May Business Meeting Minutes

The business meeting came to order at 7:02 p.m. with eight board members and four general members present. President **Kevin Beguhl** being ill, Vice President **Frank Fawcett** presided; minutes were captured by **Kris Jarusevicius** and **Kim Hofer**, as Secretary **Joy Fergoda** was not present.

The minutes of the previous two months' board meetings are tentatively approved as written in *The Matrix*. If any members present should find something in error, they are to notify Kris Jarusevicius of the changes.

### Old Business:

Kim Hofer and **Meg Zbierski** will be the co-chairs of the Scholarship Committee. **Sheldon Shuper** will act as advisor on the committee, but we still have not heard anything from Lisa Hammersley; Frank Fawcett agreed to contact her.

**Tarance Beguhl** is to obtain status information as to the installation of the phone line from Kevin.

### Reports:

Sheldon Shuper distributed copies of the month's Treasurer's Report and placed a copy on the bulletin board. A discussion was had about just how much money is and will be dedicated to the scholarship fund. Most were in agreement that all monies obtained from rock sales throughout the year will go to this fund, and that a minimum \$500.00 scholarship will be offered, but that there is no way at this point to know the exact amount or whether the club will offer more than one scholarship at this time.

Most of the contracts for vendors for the show have gone out; we have received a few in return with payment included.

Tarance reported that all the saws have now been operational for two months (that might be a record!). The non-working electrical outlet in the shop had also been repaired earlier that evening by **Ed Claborn**. Frank has also replaced many of the light bulbs.

### New Business:

**Linda Baglin** expressed her concern over a need to have better monitoring of sale of the "better" rocks in the yard. She indicated that some material seems to suddenly disappear and no one is aware of who purchased it or if there an equivalent amount of money coming in from sales for all that seems to leave the yard. Discussion was had about being more alert to keeping the better quality material in the side rock pile and setting up new fencing around the area. All agreed that the by-laws committee should include this topic in their discussions.

Discussion was had about the need for a clean-up day before the barbeque, especially for ridding the grounds and parking area of weeds. An announcement for help will be made at the Educational Meeting.

The By-laws Committee has been established and its members are: Kris, Frank and Tarance; they will ask Sheldon and **Barbara Foskett** for assistance in an advisory fashion if necessary.

**Bill Elkins** was present and reported on his visits to some local elementary schools, including *Greenwood Elementary*; he also

shared some photos taken during these events. He requested obtaining an SMS emblem patch to use on a jacket he can wear during these presentations; all agreed he should receive one at no charge. As a side note, if anyone is interested in sewing new vests for SMS members, they should let a board member know.

Linda commended Tarance, Kevin, Joy and Rosie Beguhl for the job they did setting up the tent at *Synder's Pow Wow*. She indicated there were very few members there to help and it was disappointing to see that we had no rocks at all for Friday and Kevin and Joy had to drive back to the clubhouse to obtain some to take back that day. All agreed that there was little in the way of planning this year and it showed. Tarance has agreed to take on the coordination of help for the 2008 show. Despite the poor turn out and changing weather throughout the event, the club did take in \$289 on the Spinning Wheel and \$37 on rock sales. Lots of membership applications were also handed out.

Two new members were approved for membership.

Those present discussed the upcoming club Open House event. Tarance again agreed to coordinate volunteers for the event (and generally agreed to be the "events coordinator" for all future events). Needs for the day are noted on the white board in the clubhouse. All members are reminded to bring a side dish or dessert item to share; those who need suggestions should contact Tarance. It was decided that we would be offering hot dogs only at the May event; we will evaluate offering hamburgers as well at the Open House event in August.

Frank indicated that our speaker for the May Educational Meeting, John Stockwell, normally receives \$35.00 plus gas for his presentation. It was MSA that funds be paid to this speaker.

The meeting concluded at approximately 8:50 p.m.

~Kris Jarusevicius/Kim Hofer

Fill-in scribes de jour



## New Members for May

Please welcome our newest members who joined the SMS ranks in May.

**Dick Serns** of Loomis is retired and heard about our club via member **Vi DeCou**. He indicates that he has been interested in mineralogy, lapidary and field trips "all my life!" and has a collection of 'many varieties' of material. He is not yet sure where he can help the club but is open to options.

Hearing about us through the Sacramento State Geology Club, **Dave Barnard** of Placerville has been interested in minerals, geology and field trips for about ten years. He has a collection of minerals and is willing to lend his assistance on field trips and at our annual show.

Be sure to greet our new members and introduce yourself when you see them at the clubhouse and shop!

Birthstones are a fun way to celebrate one's birth. The list of modern birthstones currently accepted in the U.S. was developed in 1912 by the American National Association of Jewelers; a different list is maintained in Germanic countries. The gems now associated with each month have only a slight relationship to ancient beliefs however. Throughout history, different lists have reflected a variety of stones connected to ancient lore and different cultures. This series of articles is an attempt to share some of these old beliefs and will hopefully give us a chance to learn about a few more of the "gems" that catch our fancy. I hope you enjoy it. —Ed.



## Moonstone

Moonstone is the most valuable form of feldspar and is composed of albite, which gives it the bluish sheen, and orthoclase (adularia). It is found in Brazil, the European Alps, Germany, India, Madagascar, Mexico, Myanmar, Sri Lanka, Tanzania and the United States (Pennsylvania

and Virginia); Sri Lanka has the highest quality moonstones. A synonym for moonstone is 'selenite', from the Greek *selene*, meaning moon.

Moonstone is the US state gemstone of Florida and New York. Not only is it one of the modern June birthstones, but is also the accepted gem for the 13<sup>th</sup> wedding anniversary.

It has a hardness of 6 on the *Mohs* scale and can therefore be easily scratched. It is an opalescent stone which usually always has a white or blue sheen, but can range from colorless to blue, peach, green, pink, yellow, brown or gray with a silvery sheen. Moonstone reflects light in a distinctive shimmering phenomenon commonly known as *schiller* -- although in moonstones it is instead called *adularescence*. Clarity ranges from transparent to translucent. Rainbow moonstone is a milky white with a rainbow colored sheen.

In their uncut state moonstones afford little idea of what it is that actually constitutes their charm: that mysterious shimmer of light. That shimmer is not really shown to advantage until the art of the cutter has been brought to bear. Classical moonstones are always cut as cabochons, the most important thing being the correct height of the stone. The cutter must also align the axis of the crystal precisely into the zenith of the stone, for that is the only way in which he will bring about the desired light effect. Some have a cat's eye effect or a four-spoked star as well as the typical undulating shimmer of light. These stones are not only cut as cabochons, but also as artistic cameos or engraved with the faces of children, the moon or grotesques. But they too have the shimmer of light typical of the moonstone, as do the beads which are cut from suitable raw material for gemstone necklaces.

Moonstone was used in jewelry by the Romans who believed that the stone was formed from the light of the moon; Hindu legend also tells of it being formed by moonbeams. Moonstone is considered a sacred, holy and magical gemstone in India. They are also regarded as "dream stones" which bring the wearer visions at night. It is believed to bring good fortune, to enhance passion, and balance the yin and yang. It is also a protector of

women and children. In early times, it was believed that one could see the future if the stone was held in the mouth during a full moon. According to legend, moonstone will ensure abundant crops.

Moonstone's healing properties are said to promote digestion, to protect against epilepsy, to calm emotions, cure headaches and nose bleeds, and protect against sun stroke.

The moonstone symbolizes our being in its entirety. With its soft shimmer, it strengthens our emotional and subconscious aspects. Its energy is balancing, introspective, reflective, and lunar, and relates to "new beginnings", making it a stone for hoping and wishing. It allows one to absorb that which is *needed* from the universe, not necessarily furthering that which is *wanted*. It helps one to gracefully acknowledge changing cycles, and is a stone for "feeling" and understanding via intuition, rather than intellectual reasoning.

Once called the "traveler's stone", it has been used for protection against the perils of travel. It is also a talisman of good fortune. Legend says that moonstone is a highly prized gift for lovers as it arouses tender passion. Other lore suggests that it can promote ease in childbirth and eliminate insomnia. In Arabic countries, women often wore moonstones sewn out of sight into their garments, for in their cultures the moonstone is a symbol of fertility.

It can be used to alleviate emotional tension and enhance positive creativity and self-expression; it cleanses negativity and enhances the feminine aspect of ones nature. It provides remedial action to insect stings or bites and has been used in the treatment of circulatory disorders. Topical application to the skin and hair of an elixir made with Moonstone has been effective in soothing the affected area.

## Business Meeting Agenda for June 14, 2007

Committee Reports – Treasurer's Report, CFMS, Membership, Field Trip, Correspondence, Shop, Show

### Agenda Items

- Phone line install
- Outcome of *Snyder's* and Open House/BBQ events
- Scholarships / Confirm amounts
- November show – Confirm dealer contracts

## SMS Roster Updates

*A monthly update of SMS member information.*

### New Members:

Dick Serns  
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Loomis, CA 95650  
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[wdserns@calwisp.com](mailto:wdserns@calwisp.com)

Dave Barnard  
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Changes or corrections should be forwarded to the editor at [sms-editor@pacbell.net](mailto:sms-editor@pacbell.net) or by phone at (916) 451-4806.

## Yolo Rock Chronicles

### Episode Three: Goodnow Slough Petrified Wood

--By Gilbert Gonzalez

Sunny days are always great times to look for special rocks. During my first time exploring the slough that drains storm water from Bald Mountain and the Capay hills, I encountered several huge log jams. They were mostly composed of large oak trees that had fallen to the bottom of the sixty-foot deep slough. The normal winter rains had slowly built up a good amount of silt and wood debris around these fallen giants. These log jams were four to five feet high with gnarly, spooky dead branches sticking up to the sky, and each one was fairly difficult to climb over or around. The local wild animals had trails under some of the large logs and it was easy to identify the different foot prints in the sandy silt, mostly raccoons and white tail deer. I enjoy exploring creeks, ravines and sloughs, so these obstacles were just part of the adventure and excitement of hiking in these wild lands. I wish I could make a living walking these country areas; the scenery is wonderful as it changes with the seasons.

I found a nice piece of petrified wood about seven inches long and four inches wide with a wonderful wood grain pattern. It weighted about two pounds and was a fine tan and dark brown. I also collected twelve smaller pieces that day and went home with a back pack loaded. For many years, this seven-inch piece was the largest specimen of petrified wood I had come across in Goodnow Slough. I did find many more smaller pieces of wood and after every new rain storm, I would take time to look for newly exposed pieces of Yolo petrified wood, but those I found were always small pieces.

Then one brisk morning, I spotted two really nice pieces of petrified wood in a cobblestone deposit on the south side of my sheep pasture. During the night the neighborhood skunks had overturned many cobblestones in their quest for a dinner of high protein beetles that hid under the stones. Later that afternoon, I showed these fist-size pieces to old Bob Kessler, the owner of the sprawling cattle ranch across the fence from my sheep ranch. The slough also cut a sixty-foot deep channel through two of his pastures before exiting to the east, where stood a century-old almond orchard. He exclaimed that there were big chunks of petrified wood to be found in the slough on his property. Then he told me that I could hunt petrified wood in this part of the slough any time I had a few hours to walk the gravel bottom of the creek.

The thought of finding large pieces of agatized petrified wood lying in the bottom of the creek was exciting. The next day I packed a hardy lunch and filled my canteen with fresh, cool water and headed down into the deep natural slough, which meandered toward the southeast in the general direction of Madison Township. As I explored the slough, I found only small pieces of petrified wood, lots and lots of beautiful, but no large pieces. I was disappointed and skeptical that I would ever find any big pieces of petrified wood in the depths of Goodnow Slough. The small pieces I collected made great material for my

tumbler. Most pieces have good cell replacement visible.

That winter, one of the patron saints of California rockhounds made an appearance – *El Niño*. It started raining, and the pineapple express of storms just deluged California for months. Many towns and roads were flooded in the local area of Yolo County; the massive concrete bridge over Cashe Creek at Capay was washed out. The water caused an enormous amount of erosion in the mineral-gathering areas of California and miners were scrambling for gold in the Sierras as stream banks were eroded. The most water that I had previously seen in Goodnow Slough was about two feet in depth, but the rain-heavy clouds of *El Niño* produced a tremendous volume of runoff water from the Bald Mountain watershed. A thirty-foot deep torrent of debris-laden storm water surged through the slough for a week, each time one of the heavy storms drenched us. All of the log jams in the slough were completely washed away and were deposited on County Road 85 several miles downstream. The banks of the slough were extremely eroded, and the grass and small vegetation were stripped away, leaving bare soil.

Later in the spring the rain stopped, the storm water subsided, and I carefully made my way down into the sixty-foot deep water-ravaged slough. Wow! Mother Nature had transformed the channel to create a three-mile long strip mine and I was standing in it. All around me were large pieces of petrified wood and beautiful agate and brecciated jasper, exposed by *El Niño* runoff water. I had finally found the big pieces of petrified wood that ole Bob had told me about.

On that first trip I loaded five big hunks in a sack and dragged them out of the slough, up the sixty-foot high climb to the surface. It was a wonderful and rewarding project to find and gather as much petrified wood as possible before the new grasses of spring sprouted and covered the newly eroded areas. I recovered some really beautiful pieces of incredible brown and black agate petrified wood, the largest of which was about fifty pounds. I spent many days and weeks collecting the treasures that Mother Nature had exposed from the tertiary gravels of western Yolo County. I have been cutting and polishing this petrified wood for many years, and it is a beautiful fossil stone to work with.

Goodnow Slough is on private property and there is no public access.

## Obsidian

Obsidian forms when volcanic magma cools very quickly, preventing the crystalline structure of granite to form. This produces volcanic glass. The various types of obsidian are caused by the following:

- **Mahogany:** The rust color is caused by iron oxide.
- **Snowflake:** White inclusions of cristobalite.
- **Sheen:** The gold or silver iridescence is a result of tiny gas bubbles or very small crystals of mica, feldspar or quartz.
- **Rainbow:** The various bands of color are formed by very small inclusions of feldspar, quartz, topaz and tourmaline.

[www.therockshed.com](http://www.therockshed.com) via *Gems of the Rogue*, 05/07

**REMINDER: California Capital Air Show, June 9-10, 2007**

The second annual California Capital Air Show will be held at Mather Airport on Saturday and Sunday, June 9-10 from 10-4 each day. This year's featured performers will be the *Air Force Thunderbirds* jet team, along with other aerial performers and vintage and military aircraft on static display. Last year's show was incredibly popular and this year it is expected that up to 150,000 people will attend the event over the two-day period.



So what has that got to do with the Sacramento Mineral Society? Keep in mind that our shop and clubhouse are on the Mather facility grounds, and our normally calm, uncrowded drive getting to and from the SMS grounds may be altered by the influx of all those visitors to the air show. Although we've been informed by the airport that all efforts will be made to minimize disruptions and impacts to tenants like us, on Saturday, June 9, the shop will be open on a limited basis. Shop Foreman, **Tarance Beguhl**, will be present that day, possibly operating the saw shop, but any training for newer members may be limited, if available at all.

Via a phone call with Airport Manager Gregg Weissenfluh, I learned that they will be alerting their officers that there may be members of the SMS heading to the shop. So if you find yourself waiting amid a lot of traffic, let the officers know that you are not heading to the air show, but instead are going to the SMS club on Lemay Street. Experience of some of our club members last year indicated that those directing traffic were very willing to let them move on to get to the club without effort; Mr. Weissenfluh assured me of the same during our phone conversation. He also indicated that there will be many additional entrances to the air show this year compared with last year and their hopes are that it will minimize the effects of heavy traffic during the weekend.

If you do decide to head out to the shop that day, don't forget to look up on occasion. The displays from above may just tempt you to leave the creation of that special cab to another time.

**Store "ICE" in Your Cell Phone**

A recent article from the *Toronto Star*, "The ICE Idea", is catching on. It is a very simple yet important method of contact for you or a loved one in case of an emergency. As cell phones are carried by the majority of the population, all you need to do is program the number of a contact person or persons and store the name as "ICE".

The idea was thought up by a paramedic who found that there was always a mobile phone with the injured when he went to the scene of an accident. He therefore thought that it would be a good idea if there was a nationally recognized name to file "next of kin" under.

Following a London disaster, the East Anglian Ambulance Service launched a national "In Case of Emergency" (ICE) campaign. The idea is that you store the word "ICE" in your mobile phone address book, and with it enter the number of the person you would want to be contacted "In Case of Emergency".

In an emergency situation, emergency services personnel and hospital staff would then be able to quickly contact your next of kin by simply dialing the number programmed under "ICE". For more than one contact name, simply enter ICE1, ICE2, ICE3, etc.

Please share this with others. It won't take too long before everybody will know about this. It really could save your life, or put a loved one's mind at rest. A great idea and it could make a difference!

Via Email

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### **Be Safe – Be Well: Poison!**

—By Don Monroe, AFMS Safety Chair

The skull and crossbones symbol always intrigued me as a kid. I always thought about pirate ships and other exciting things and my hero was Errol Flynn. My dad constantly warned me about touching anything that had the skull and crossbones label. On the farm we had a large variety of poisons for the mice in the barn as well as pesticides, herbicides, and items you don't see much anymore. These other hazards were in a couple of old trunks that had belonged to my grandfather who was a doctor and the county health officer and included medicines, chemicals and tubes containing the residue of the lab work such as dried-up specimens. I realized later that this was some really bad stuff.

The world has become infinitely more complicated and we are learning that there is more bad stuff out there. Even our peanut butter is not safe as some of it contains salmonella and some of the green healthy vegetables may have e-coli. Where will it end?

Do you do lapidary work or metal work making jewelry? Are you familiar with cadmium and the severe health effects resulting from exposure to it and its fumes? Cadmium is found in many solders and fluxes and really should be avoided. There are fluxes that contain fluoride and not totally safe to use. Do you use any tools made from beryllium and its alloys? It is not good for you! The jury is still out on the potential health effects of aluminum. There are those that say that there is a connection between using aluminum cookware and the incidence of Alzheimer's. Coated cookware is suspected to be a hazard if used after the coating has begun to fail, and copper cookware that is losing the coating of nickel or whatever is used; supposedly the bare copper surface will react to some foods. Am I simply perpetuating an urban legend or are the cautions pertaining to cookware well founded? I don't know but we will stay with cast iron and stainless steel.

Do you have a Geiger counter or some other instrument for detecting radiation? Do you use it? Some years ago there was some imported silver scrap and sheet that was "hot". It was radioactive and of concern. I cannot verify this story and it supposedly happened some time ago and the material is probably no longer on the market. There are, however, some mineral specimens that you should not put under your pillow at night just like the old "bag" cell phones that are no longer on the market. While we are talking about specimens, are you familiar with the minerals that have an unhealthy level of arsenic? Some minerals will rub a dangerous amount on your hands when you handle them. I cannot tell you all that you need to know about minerals but I do encourage you to do a little research and be particularly cautious when you are dealing with material that you do not customarily use.

Do you have pets such as cats or dogs? Have you heard about the contaminated pet food? Are you concerned? I for one, am absolutely furious that anyone would put profit ahead of the well

Federation News

CFMS [www.cfmsinc.org](http://www.cfmsinc.org)



being of our trusting pets who are always glad to see us when we return home and never criticize us or pass judgment unless we forget to do our duty such as feed or walk them or whatever we are supposed to do. This last thing is something that I just heard about from my proofreader (wife). She heard that some of the pre-moistened, disposable, mop pads cause liver problems in animals. It is reported that the pet gets the chemical on their paws and then lick their paws. Look at the packaging for a cautionary note regarding children and extend this warning to the pets.

There are so many bad things going on and we must be constantly vigilant. Hazards are everywhere.

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### **AFMS Code of Ethics**

- I will respect both private and public property and will do no collecting on privately owned land without permission from the owner.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind such as fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires only in designated or safe places and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material — matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks, or other water supplies.
- I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or federation officers, Bureau of Land Management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the Golden Rule, will use good outdoor manners, and will at all times conduct myself in a manner which will add to the stature and public image of Rockhounds everywhere.

## Junior Activities

### "Stealth Learning" vs. "Eye Candy" Exhibits

—By Jim Brace-Thompson, CFMS Junior Activities Chair

Part of an obligation to our status as 501(c)(3) organizations is a mandate to educate. One way we do this is with our annual shows when we share our private collections and lapidary work with the public. I'm constantly impressed by stunning material you see exhibited at local shows. But I'm also often baffled when some of these same stunning exhibits come with a complete lack of educational value, whether it's no name tag to guide you to the exhibitor should you wish to learn more about the material on display, or a lack of labels identifying what you're seeing, or no explanatory text to set context.

I call such displays "eye candy." While unquestionably attractive, they leave you unfulfilled, lacking as they are in the nutritional value that helps a brain grow. Thus, I encourage everyone not just to stimulate but to educate with text and labels that transmit helpful information. Sometimes, the story—how a specimen was found, the process by which a beautiful gem was crafted, or a description of the time period when a particular fossil animal lived, is even more fascinating than the item displayed.

Another way to make exhibits more than "eye candy" is to intentionally lead folks to them. I've seen good examples of this at the Carmel Valley, Ventura, and Oxnard Gem and Mineral Society shows. As families with kids enter the show building, the good folks managing the hospitality table provide kids with packets that include a quiz with a dozen questions. By successfully answering the questions, a child might win a free tumble-polished stone or perhaps a free turn on the spinning wheel for a prize.

The only catch: the quiz is intentionally tied to various cases in the exhibit hall, requiring kids not just to gawk at the pretty rocks, but to study them, often with the help of parents or other adults. I call this "stealth learning." When the Del Air Rockhounds hosted the 2003 CFMS show, they had great displays which they intentionally designed and numbered to enhance learning value via an "Educational Tour." Some exhibits and stations were further color-coded, with specific colors matched to Webelo, Boy Scout, and Girl Scout badge requirements supported by hand-outs to help kids earn their badges via self-guided tours and hands-on displays such as mineral identification and the Moh's scale, the three rock types, and everyday uses of different sorts of rocks and minerals.

I encourage all clubs to engage in efforts like these that will make their exhibit halls environments for "stealth learning." When you make your exhibits more than "eye candy," you'll find kids and other visitors to your show inadvertently learning when all they thought they were doing was just having fun!

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## SMS Calendar

All events held at the SMS clubhouse unless otherwise noted.

### June

- 9<sup>th</sup>—Saturday Mather Air Show  
*Please note there will be limited shop use during regular Saturday hours.*
- 14<sup>th</sup>—Thursday Business Meeting, 7:00 p.m.  
All members welcome!
- 21<sup>st</sup>—Thursday Educational Meeting, 7:30 p.m.  
Speaker: Debbie Bunn of *Fossils for Fun*  
*"Fossil Collecting Sites in California and Nevada"*
- 23<sup>rd</sup>—Saturday Combo Workshop with Kevin Beguhl  
10:00 a.m.-2:00 p.m., \$7.00 + materials fee  
Try your hand at the first Dichroic Glass workshop  
or come and work on Wire Wrap.

### July

- 12<sup>th</sup>—Thursday Business Meeting, 7:00 p.m.  
All members welcome!
- 14<sup>th</sup>—Saturday Study Group with Kevin Beguhl  
Dichroic Glass and/or Wire Wrap  
Further details to follow. (Tentative)
- 19<sup>th</sup>—Thursday Educational Meeting, 7:30 p.m., Silent Auction  
Speaker: Claude Huber  
*"Favorite Minerals and Mineral Collecting Areas"*
- 14<sup>th</sup>—Saturday Study Group with Kevin Beguhl  
Dichroic Glass and/or Wire Wrap  
Further details to follow. (Tentative)

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## It's Not All About the Rocks

—By John Lien

Finding some nice beach agates in one of the piles of rock in the club's yard spurred me on to get my tumblers running again. It had been 40 years since I had done much rock tumbling, so I was having to re-learn the process – which included the rehabilitation of some old equipment inherited from my father. Dad usually was very careful with his shop equipment, but the uncharacteristic mess left in the tumblers was a reminder of the advancing illness that eventually took him more than ten years ago. It was bitter-sweet to open these tumbler time-capsules; fun to find his last rocks, sad to be reminded of his failing health.

Tumbler parts needed to be found, pieces needed to be replaced. After Lionel, of TAGIT talked me through diagnostics on the very old *Gy-Roc* vibratory tumbler, I ordered new drive belts, spider mounts and an extra bowl. As we compared notes about the hobby, we realized that his father, who is 98 and “still cutting rocks”, may have actually met my father as they traveled the same rock hound circles in southern California. In a few days, UPS delivered the essentials and my antique vibratory tumbler was up and running after at least a 12-year hiatus.

Anxious to bring the beach agates to a polish, I began tumbling batches of rocks through the stages of rough, medium, fine and



polish. Although this new machine presented a steep learning curve (grit amounts, water volume, running times and other factors were different from the rotary tumblers with which I was more familiar), I found that the biggest obstacle was my own impatience. Reigning in that urge for instant gratification, I learned to let the machine run its course. Soon, even if not soon enough, I was getting nicely polished agates in ten pound increments.

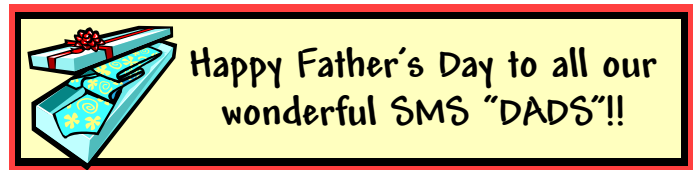
Flash-forward to *Gem Faire* at Cal Expo. **Stan Henneman** had asked me if I could take a shift at the Club table at this event and I had less than enthusiastically “volunteered” for Friday afternoon. **Frank Zbierski** was partnered with me on this shift, and I'll have to say that one of the real benefits of doing something like this is to have the opportunity to get to better know your fellow club members. When we were not encouraging people who stopped at our table to check out the club, Frank and I had the chance to compare notes on all manner of things and it was really fun. (For instance, ask him sometime about the limestone bolder he and his friend broke up and what happened when they were through; now there's a unique rockhound tale.) Once again, I learned that something I originally didn't want to do, was really worthwhile.

Some *Gem Faire* visitors had questions, including a teacher who was trying, so far unsuccessfully, to tumble some stones for

her students. She wanted information about the tumbling process and needed to double-check her understanding of techniques. Given my recent efforts in the same regard, I was able to offer some tips. I'm not sure that I solved her problems; the variables of machines, material and processing leave too much room for error. But I think I did help to move her off of dead-center, gave her some ideas of things to check and things to try. I also gave her a website ([www.rocktumblinghobby.com](http://www.rocktumblinghobby.com)) that I had found useful.

And if those kids in her class just happen to wind up with some nicely polished rocks; then from my father, to me, to their teacher, to them...I can't think of a better celebration of Father's Day.

Thanks Dad.



# Thank you!!!

We can't say enough about how wonderful it is to have members who are so willing to help out around the SMS facilities.

A topic at last month's business meeting was going to initiate a call for help at the Educational Meeting requesting assistance in cleaning up the SMS grounds on Saturday, May 19th, the week before our open house. But the membership must have been “psychically in tuned” to the Club's needs, for on Saturday, May 12th, numerous members, including **Carl Zimmerman, Stan Henneman, Frank Fawcett, Frank Zbierski, Katerina Beguhl, Kris Jarusevicius** and a few others this author can't recall at the moment, chipped in to clear weeds and do a general clean-up of the grounds and parking area. And on the following Tuesday, Carl returned to clear the weeds from the front of the clubhouse. The place was literally transformed!!

Special thanks also need to go out to **Ed Claborn**, who finally managed to figure out and repair our electrical problem in the shop. No more extension cords — yippee!!

And of course, thanks go out to the many, many members — far too many to mention — that helped out at the Open House and BBQ event on May 26th. The donations for the lunch were overwhelming, not to mention incredibly yummy!! While all the figures have yet to be finalized, preliminary numbers reflect we had over 100 visitors (about 90 of which enjoyed the lunch fare), brought in some \$63 from rock sales, and garnered three new members!

It's obvious that without the help of our members in times like these, the SMS couldn't possibly continue to be the great club it is. Thanks all!!



### Rare Footprints of Infant Dinosaur Discovered

*Science Daily*, May 25, 2007 — Researchers at the Morrison Natural History Museum have discovered two rare hatchling dinosaur footprints in the foothills west of Denver, near the town of Morrison.

The fossil footprints represent the first hatchling Stegosaurus footprints ever found, according to leading paleontologist Dr. Robert T. Bakker, the museum's curator of paleontology. Stegosaurus was first discovered in Morrison in 1877 and is Colorado's state fossil.

"The tracks are so crisply preserved that I can imagine the sound of tiny feet splashing up water when the baby dinosaurs came to this ancient river to drink and cool down," remarks Museum Director Matthew Mossbrucker, who found the tracks. "I still can't get over just how small these footprints are."

The tracks can be eclipsed by a fifty-cent piece, suggesting that hatchling Stegos were about the size of newborn human baby.

The fossils will go on permanent display at the *Morrison Natural History Museum* Memorial Day weekend as part of its annual "Dinosaur Days" event.

Abundant in natural history, the tiny foothills town of Morrison has yielded important fossils since 1877. *Morrison Natural History Museum* researchers began exploring the 150-million-



The small, three-toed track is a baby stegosaurus hindpaw. Above the center toe of the hind-track is the impression of the thumb. (Credit: © Matthew T. Mossbrucker, 2007)

year-old Jurassic rocks of the Morrison area in 2003 with support from *Aggregate Industries*, the *Scientific and Cultural Facilities District*, and the *Association of Applied Paleontological Sciences*. Coincidentally, 2007 marks the 130th anniversary of the first fossil finds in the area.

"If these dinosaurs were hatching in our modern world instead of 150 million years ago, they would be within sight of Denver's skyscrapers," says Mossbrucker. "These infant dinosaur fossils have raised more questions than they have answered. We'll have to keep digging."

*Note: This story has been adapted from a news release issued by Morrison Natural History Museum.*

*Science Daily*, <http://www.sciencedaily.com/releases/2007/05/070525095813.htm>




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# CO-OP

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## Field Trips

Due to CO-OP privacy concerns, details of CO-OP sponsored trips can no longer be published in *The Matrix*. Contact the SMS filed trip leader, Dan Brown, at (209) 296-6466 or [danbrown666@msn.com](mailto:danbrown666@msn.com) for further information and/or revisions. Information on field trips may also be obtained from the "members only" section of the CO-OP website at [www.coop.5u.com](http://www.coop.5u.com) or by contacting *The Matrix's* editor at [sms-editor@pacbell.net](mailto:sms-editor@pacbell.net).

**Reminders:** Call the field trip leader in advance to verify details – climate and weather, tools, safety concerns, clothing, vehicle requirements, etc. Wear your name badge and sign in with the leader. All participants must sign a *Consent and Assumption of Risk Waiver of Liability* form upon arriving at the meeting site and non-CFMS members must show proof of personal liability insurance. Obey the AFMS Code of Ethics, Land Use Policy, and safety rules. Always use common sense.

- June 9           **Babcock Mountain, Taylorsville, CA** for rose quartz. *Paradise Gem & Mineral Society*. Details available—contact Mike Eggleston (530) 343-0894, [mikeeggy@wildblue.net](mailto:mikeeggy@wildblue.net).
- June 23 & 24   **Hallelujah Mountain/Peterson Pk., CA** for quartz crystals, septr crystals. *Roseville Rock Rollers Gem & Mineral Society*. Details available—contact Shaun Chapman, (916) 879-0122 or [fossilman\\_1999@yahoo.com](mailto:fossilman_1999@yahoo.com).
- June 30 & July 1   **Elko NV** for fossils, petrified wood, brachiopods, crinoids, horn coral. *Fossils for Fun Society*. Details available—contact Debbie Bunn (916) 929-6665 or [fossilsff@aol.com](mailto:fossilsff@aol.com).
- July 28 & 29   **Fairview NV** (east of Fallon) for agates, geodes. Camp at Wonderstone area. *Nevada County Gem & Mineral Society*.
- August 4 & 5   **Edward's Crossing** on the Yuba River for a workshop on gold panning with an emphasis on finding and panning very fine gold and removing it from black sand concentrates. *Sutter Buttes Gem & Mineral Society*. Limited to 30 non-*Sutter Buttes Society* members. Information available on the CO-OP website or contact the trip leaders, Gerald and Grace Hill at (530) 695-1595.
- August 11       **Sutter Creek, CA** for commercial fee tour of underground *Sutter Gold Mine*, picnic lunch in Fiddletown, and a visit to the *Rockhound Saloon Rockshop*. *Carmichael Gem and Mineral Society*. No collecting, just shopping. Information on the CO-OP website or contact trip leader, Debbie Bunn at (916) 929-6665 or [fossilsff@aol.com](mailto:fossilsff@aol.com).
- August 20-24   **Virgin Valley, NV** for opal fee digs. *Stockton Lapidary & Mineral Society*.
- August 24-27   **Echo Mt. Stone, CA** for volcanic material. Fee dig. *Contra Costa Mineral & Gem Society*.
- August 27-31   **Davis Creek/Lassen Creek** for obsidian. *Contra Costa Mineral & Gem Society*.
- Sept. 1-3       **Austin, NV**. Details to follow. Limited to 26 attendees. *El Dorado Mineral & Gem Society*
- Sept. 1-3       **Cedarville, CA** for petrified wood. *Fossils for Fun Society*.
- Sept. 23-Sept. 29   **Southern Utah** for petrified wood, agate, fossils. *Fossils for Fun Society*. Details available—contact field trip leaders Carole Lockhart & Keith Lindholm (916) 638-2314 or [cjlockhart@softcom.net](mailto:cjlockhart@softcom.net).
- October 6       CFMS Seminar for Field Trip Leaders in Los Altos. Details forthcoming.
- October 6       **San Andreas** area for serpentinite and to *Stories In Stone* for a presentation by Russ Shoemaker. *Sun City Lincoln Hills Gem & Mineral Society*.
- October 27 & 28   **Kettleman Hills, CA** for fossils. Limited to 30 attendees. *El Dorado Mineral & Gem Society*.
- Nov. 18-24      **Southern CA** for TBA. *Mother Lode Mineral Society*.

### CFMS Field Trip June 24th - Cerro Gordo Mine

By Lew Helfrich, CFMS Field Trips South Leader

There is a CFMS Field Trip scheduled for June 24, 2007, by one of our Co-Op sister clubs, *Lone Pine Gem and Mineral Club*, to go to the Cerro Gordo Mining Ghost Town. **Cerro Gordo Mine is only open one day a year to rock hounding**. This is the 11th annual trip that the Lone Pine Club has hosted. There is a \$5.00 fee per person and proceeds go to the restoration of the mining town.

There are 50 different types of minerals to be found with the most sought after mineral being "Smithsonite". Smithsonite is only found in two areas in the United States, one being the "Kelly Mine" in New Mexico and the Cerro Gordo Mine here in California. The most precious to find in both areas is the Kelly Blue.

Things to bring are standard rockhounding hand tools, good boots, sun screen, water and food. Although the roads are good, a high clearance vehicle is recommended. Altitude is 8,500 feet. A letter of release of liability must be signed. Also, those with disabilities such as diabetics, heart problems, etc., please make the field trip rep aware of your problem just in case there is a situation where help is needed.

For further information please contact: Francis Pedneau at (760) 876-4319.

CFMS Newsletter, 05/07

## Upcoming Shows &amp; Events

- June 2-3 **Glendora, CA.** *Glendora Gems.* 859 E. Sierra Madre. Hours: Sat. 10-5, Sun. 10-4. Bonnie Bidwell (626) 963-4638, email: [Ybidwell2@aol.com](mailto:Ybidwell2@aol.com).
- June 2-3 **La Habra, CA.** *North Orange County G3em & Mineral Society.* La Habra Community Center, 101 W. La Habra Blvd. Hours 9-5 both days. Don Warthen.
- June 5-10 **Roswell, NM.** *AFMS/RMFMS Show and Convention "Gems of Enchantment"* hosted by the *Chaparral Rockhounds.* Convention: June 5-10 at Best Western Sally Port Inn & Suites of Roswell, 2000 N. Main Street, Roswell, New Mexico 88201, (505) 622-6430, fax (505) 623-7631. Show: June 7-10, Roswell Convention and Civic Center, 912 North Main Street, Roswell. 
- June 15-17 **Lancaster CA.** *CFMS Show and Convention* hosted by the *Palmdale Gem & Mineral Club.* Antelope Valley Fairgrounds. Hours: 9-5 daily. Email: [pgmc@antelecom.net](mailto:pgmc@antelecom.net). 
- June 16-17 **Cayucos, CA.** *San Luis Obispo Gem & Mineral Club.* Cayucos Vets Hall at the Pier. Hours: Sat. 9-5 both days. Free Admission. Bob Hurless, (805) 772-7160 or Richard Sittinger, (805) 927-2223.
- June 27-July 1 **Madras, OR.** *All Rockhounds Pow Wow Club of America.* Jefferson County Fairgrounds. Daily field trips, more than 70 vendors. Pauline Miller, (360) 658-8091, [paulinem280@aol.com](mailto:paulinem280@aol.com).
- July 6-8 **Flagstaff, AZ.** *Flagstaff Gem & Mineral Society.* Little America Hotel, Butler Ave & I-40 (Exit 198). Hours: Fri. 11-6, Sat. 10-6, Sun. 10-4. \$3. Val Latham, (602) 466-3060, [dstuart@bml.com](mailto:dstuart@bml.com).
- August 3-5 **Nipomo, CA.** *Orcutt Mineral Society.* St. Joseph Church, 298 S. Thompson Ave. West Lingerfelt, (805) 929-3788.
- August 4-5 **San Francisco, CA.** *San Francisco Gem & Mineral Society's 53rd annual "Golden Gateway to Gems".* S.F. Country Fair Bldg., 9th Ave. at Lincoln Way. Hours: Sat. 10-6, Sun. 10-5. \$6. Ellen Nott, (415) 564-4230, [www.sfgms.org](http://www.sfgms.org).
- August 31-September 3 **Fort Bragg, CA.** *Mendocino Coast Gem & Mineral Society.* Town Hall, Main & Laurel. Hours: Sat. & Sun. 10-6, Mon. 10-4. Don McDonell, (707) 964-3116.
- September 15 **Fiddletown, CA.** *The Rockhound Saloon's "2nd Annual Rock Tail-Gate"* in conjunction with the Fiddletown Fiddlers' Jam and Street Fair. Hours: 10-5. Vilia, (209) 245-3912.
- September 15-16 **Jackson, CA.** *Fossils For Fun Society's 7th Annual Tailgate Gemboree.* Kennedy Gold Mine, 12594 Kennedy Mine Rd, Hours: 9-5 both days. Dan Brown, (209) 296-6466, [fossilsforfun@hotmail.com](mailto:fossilsforfun@hotmail.com).
- September 15-16 **Redwood City, CA.** *Sequoia Gem & Mineral Society's 41st Annual "Harvest of Gems and Minerals".* Community Activities Bldg., 1400 Roosevelt Ave. Hours: 10-5 both days. Carol Corden, (650) 248-7155, [ccorden@earthlink.net](mailto:ccorden@earthlink.net), [www.sgms.driftpine.com/home.htm](http://www.sgms.driftpine.com/home.htm).
- September 22 **Los Altos, CA.** *Peninsula Gem & Geology Society's "Recreation with Rocks".* Rancho Shopping Center, Foothill Exp. and Springer Road. Hours: 9:30 a.m.-4:30 p.m.. David Muster, (408) 245-2180, [colleen.mcgann@hds.com](mailto:colleen.mcgann@hds.com).
- September 29-30 **Stockton, CA.** *Stockton Lapidary & Mineral Club's "Earth's Treasures".* Scottish Rite Temple, 33 W. Alpine St.. Hours: 10-5 both days. Nettie Meissner, (209) 858-2263, [www.stocktonlapidary.com](http://www.stocktonlapidary.com).
- October 7 **Fallbrook, CA.** *Fallbrook Gem & Mineral Society's "Fall Festival of Gems".* FGMS Museum, 123 W. Alvarado. Hours: 10-4. Mary Fong-Walker, (760) 723-3484, [mrwizard@tfb.com](mailto:mrwizard@tfb.com), [www.FGMSORG/organization/orglocations/html](http://www.FGMSORG/organization/orglocations/html).
- October 13-14 **Grass Valley, CA.** *Nevada Country Gem & Mineral Society's "Earth's Treasures".* Nevada County Fairgrounds, 11228 McCourtney Road. Hours: 10-5 both days. Cliff Swenson (530) 272-3752.
- October 20-21 **Placerville, CA.** *El Dorado County Mineral & Gem Society.* El Dorado County Fairgrounds, 100 Placerville Drive. Hours: 10-5 both days. Jackie Cerrato (530) 677-2975, [jacobcer@directcon.net](mailto:jacobcer@directcon.net), [www.eldoradomineralandgem.org](http://www.eldoradomineralandgem.org).
- October 20-21 **Anderson, CA.** *Shasta Gem & Mineral Society.* Shasta District Fairgrounds. Hours: Sat. 9-5, Sun. 10-4. Bill Steward, (530) 365-8641.
- Nov. 3-4 **Concord, CA.** *Contra Costa Mineral & Gem Society.* Centre Concord, 5298 Clayton Road. Clayton Fair Shopping Center. Hours: 10-5 both days. Sam Woolsey (925) 837-3287.
- Nov. 9-11 **Sacramento, CA.** *Sacramento Mineral Society's "65th Annual Golden Harvest of Gems, Jewelry & Mineral Show".* Scottish Rite Temple, 6151 H Street, Sacramento. [www.sacmineralsociety.org](http://www.sacmineralsociety.org). 
- Nov. 10-11 **Yuba City, CA.** *Sutter Buttes Gem & Mineral Society's "Festival of Gems".* Grace Franklin Hall, 442 Franklin Avenue. Hours: Sat. 9-5, Sun. 9-4. Cliff Swenson (530) 272-3752. 

**Show off your membership in the Sacramento Mineral Society by remembering to wear your SMS name badge and/or your SMS t-shirt when visiting shows and rockhounding events!**

Returning in June!!!

# Dichroic Glass

Come and learn how to create unique works of art like those shown.

Join Kevin Beguhl for his first dichroic glass session on Saturday, June 23rd, and let your experimentations create a one-of-a-kind beauty.



Kevin will have a variety of glass available for purchase and use on projects during the class. \$7.00 shop fee plus materials fee to be determined.

Please call Kevin in advance for more information at (916) 459-7556 and to let him know you will be attending. He will also be available for those who prefer to work on wire wrap projects the same day.

# sms

Sacramento Mineral Society  
P.O. Box 160544  
Sacramento, CA 95816

## The Matrix

June 2007

