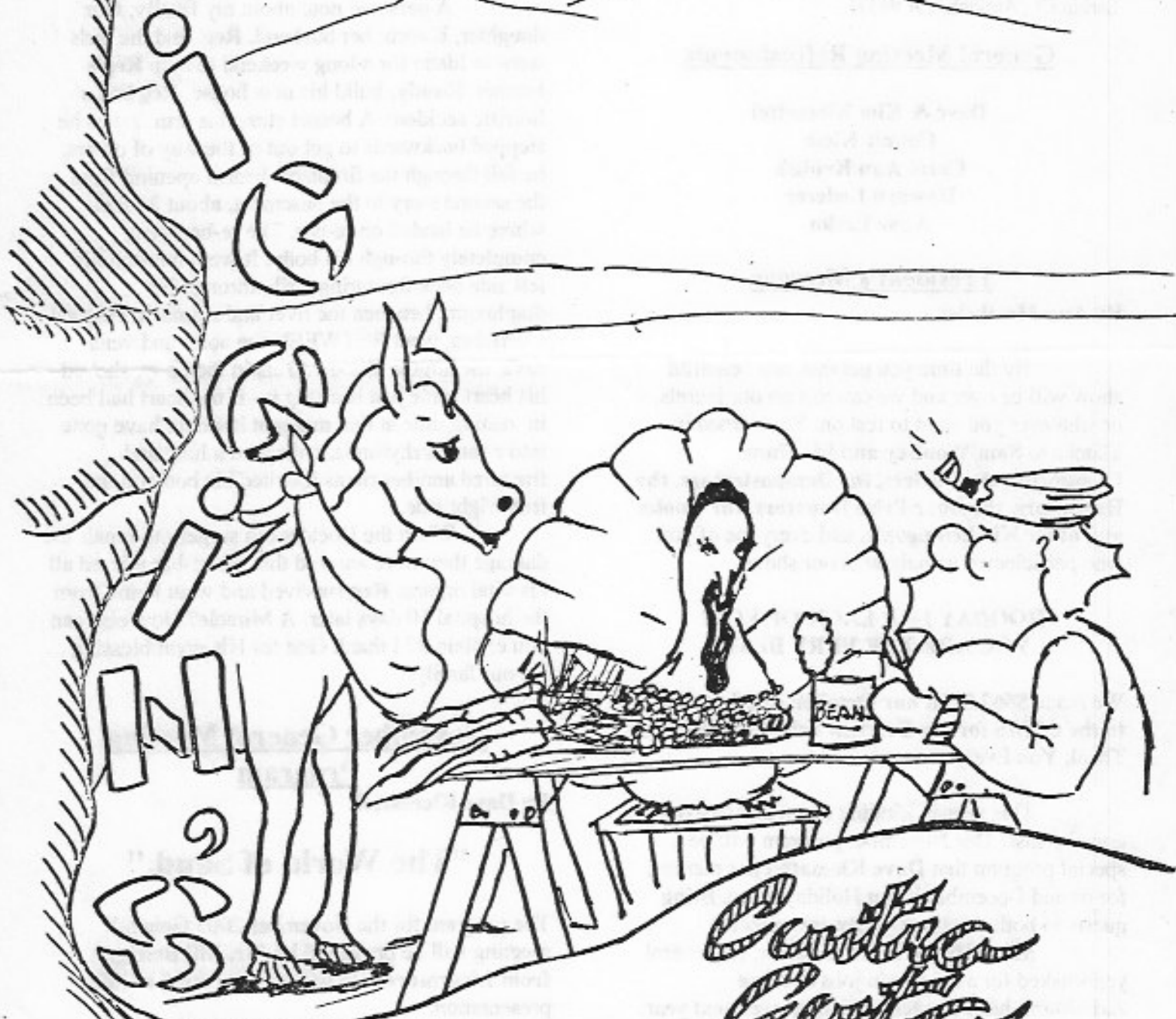


DiABLO



SSchleif © 89 November
2003

*Central
Costa*

Mineral & Gem Soc.
Walnut Creek CA.

DUES R DUE-send to Kim Kleesattel Membership Chair

Diablo Diggins –November 2003

Due date for December is November 18th.
maryhicks@comcast.net or **Mary Hicks**, 2418
Larkin Ct., Antioch, CA 94531

General Meeting Refreshments

Dave & Kim Kleesattel
Connie Klein
Carol Ann Krulish
Howard Lederer
Anne Lesko

President's Message

By **Ann Matthews**

By the time you get this, our beautiful show will be over and we can rest on our laurels, - or whatever you want to rest on. You earned it. Thanks to **Sam Woolsey and his Show Committee, the Dealers, the Demonstrators, the Exhibitors, the Door Prize Donators, the Cooks and other Kitchen people**, and everyone of you who participated somehow in our show.

HOORAY FOR EACH OF YOU!
YOU ARE THE VERY BEST!

We made \$667.00 at our October Auction to send to the CFMS for the Detrich Scholrship Fund. Thank You Everyone.

This year is winding down and hasn't it gone by fast? Our November program will be a special program that **Dave Kleesattel** has planned for us and December is our Holiday party. Bring guests to both meetings – they are welcome.

Mary Hicks, Bulletin Editor, for several years asked for a change in jobs and **Sue Zabaldano** has volunteered to take over next year.

You just gotta love volunteers. Thank you **Sue** and thank you **Mary** for the good job you have done.

A personal note about my family: Our daughter, **Karen**, her husband, **Reg**, and the girls went to Idaho for a long weekend to help **Reg's** brother, **Randy**, build his new house. **Reg** had a horrific accident. A hornet stung his arm and as he stepped backwards to get out of the way of others, he fell through the fireplace hearth opening from the second story to the basement, about 24 feet, where he landed on re-bar. The re-bar went completely through his body. It went through his left side back fracturing a rib, through his diaphragm, between the liver and stomach, chipped a vertebra, went BETWEEN the aorta and vena cava, the largest blood vessels in the body, shoved his heart aside just bruising it - if the heart had been in resting time at that moment it would have gone into a fatal arrhythmia, collapsed a lung and fractured another rib as it exited his body on the front right side.

When the Doctors did surgery to repair the damage they were amazed that the re-bar missed all his vital organs. **Reg** survived and went home from the hospital 10 days later. A Miracle? How else can you explain it? I thank God for His great blessing for our family.

November General Meeting Program

By **Dave Kleesattel**

"The World of Sand."

The program for the November 2003 General meeting will be presented by **Mr. Bill Beiriger from Livermore**. He will be presenting a slide presentation.

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\$DUES R DUE \$ DUES R DUE\$

By Kim Kleesattel.

This reminder is for all club members to send annual dues to **Kim Kleesattel**, Membership Chair at the Club's mail box. Dues are due **BEFORE January 2004**. Help **Kim** by getting your dues in timely.

If you have not seen your birthday or anniversary included in the newsletter, send the information in with your dues. Thanks.

Board Meeting

By Sharon Neuhauser, Secretary

Meeting opened at 7:30 PM at home of President **Ann Matthews**. Board Members present: **Bob Pevahouse, Eva Umholtz, Bill McKay, Joe Yarbrough, Glen Hubbard, Sam Woolsey, and Kim & Dave Kleesattel**.

President **Ann** asked for corrections of minutes: **Glen Hubbard** stated that **Mary Ann King's** name was left off the group that helped at **Connie Klein's** last month. **Mary Ann's** truck was used that day. No other corrections; the minutes were approved. President **Ann** read and discussed the mail received. Past President **Joe Yarbrough** is still looking for the name of Past President in year 1990. If anyone knows or remembers please contact him. **Joe** also handed out a phone tree to support the board and committee members in contacting club members about any information that needs to be quickly distributed.

Federation Chair **Bob Pevahouse** says the CFMS is looking for a secretary to take minutes at various meetings held throughout California for 2004-2005. **Eva Umholtz** volunteered for the job. The motion was passed to nominate **Eva** from our Club. A letter was sent to the Chair of CFMS. **Bob** also hopes people will be interested in attending Zyzzx. April 11-19th, 2004. Located in Soda

Springs off Hwy 15 in the California desert. This is an opportunity to work with experienced people who teach the lapidary arts, cabbing, wire wrapping, etc. March 15, 2004 is deadline to turn in \$, approximately \$220.00 for a week of learning and outings and fun. California Federation Show is May 28-30 in Mariposa California. Dry camping is available, close enough for a day outing and there is a great museum to visit too.

Sam Woolsey Show Chair says the Concord Centre is paid. A show meeting was held the next Wednesday evening after the BOD meeting and things are ready to go for our show November 1 & 2. Discussed were menus, desserts needed and tables, flyers, electrical outlets and whether the metal detector club will display at the show.

The California Mining Museum membership cards will be handed out in 2004. Club members can use their card to discounts.

Librarian **Bill McKay** received a load of wonderful almost new books donated to the club from **Margaret Young**. A letter of thanks was sent to her, it was decided some books would go into the auction and the rest in our library.

Ist Vice President **Dave Kleesattel** announced a plan through his company that will save us a lot of money on the newsletter for copies and stamps. We need someone to volunteer as Editor for the club newsletter. **Mary Hicks** will be Secretary in 2004. (Since the BOD meeting, **Sue Zabaldano** volunteered to be the Editor.) **Dave** also discussed establishing a Research & Scientific Interest Group by our club to gain permits to off limit lands. **Sam Woolsey** made a motion to create a scientific council in our club. **Glen Hubbard** seconded the motion and it was carried. More to come on this topic at a later date.

Bob Pevahouse is asking anyone who may have a picture of **Bob Detricht** to contact him. Our auction money goes to the CFMS **Bob Detricht Fund for a student in northern California**. He announced that **Bryce Ellsworth** donated tiger eye cabs, 2 trim saws and a home made grinding wheel for our club auction. Please keep **Bryce** in your

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prayers as he is one of the first persons to have a heart transplant. Thanks to **Bryce** for his gracious donation and hope he can attend a meeting or the Holiday Party soon.

Membership Chair **Kim Kleesattel** announced 3 new applications, **Alan and Joann Kilpatrick and Dennis Freiburger**. The motion was made and seconded to admit these new people into the Club. Welcome.

Marlow Hicks had skin surgery around his eye so who moves the trailer to the show, he did. It was suggested the tires on the trailer need to be inflated. **Joe Yarbrough** started a short discussion on field trip outing to Acton Canyon, Katie Mountains and Burrow Creek. Meeting adjourned at 9:10 PM for **Ann's** wonderful tasty dessert.

General Meeting

By **Sharon Neuhauser**, Secretary

Meeting opened at 7:40 PM with the flag salute started by **Glen Hubbard**. President **Ann Matthews** explained the **Bob Detrich** fund that our auction money goes to. As the **Pankey's** are on vacation, **Bob Pevahouse** announced Birthdays, Anniversaries, and Guests. **Nathan Woolsey**, **Taylor Jernigan** and **Mrs. John Alders**. **Al Schlieff** with a big smile and looking healthy again, collected money for missing badges. It was also nice to see **Shirley Schlieff** at the entrance desk, looking much better.

Bob Pevahouse stated all had a good time at Paradise Camp this year. ZZyx is the desert camp in Spring time with learning work shops and outings too. The California Federation Show will be in Mariposa, California. May 28-30 over Memorial Day weekend 2004. **Eva Umholtz** volunteered to be Secretary for the CFMS. The nomination has been sent in. Membership Chair **Kim Kleesattel** announced new members. **Ophelia Hicks** displayed the Gem Trees made in her class last month.

Sam Woolsey said to forget about Halloween candy this year as we will all be busy settling up the show that Friday night. Wear your club vests to the show if you have one. Desserts are needed for both days. **Mary Hicks** will have lunch ready for club members helping with the set up from 11:30 am to 1:00 pm, then the kitchen will start working on the Friday night dinner. Dinner will start around 5:00 pm and be served until 7:00 pm.

Librarian **Bill McKay** has books available on flint napping, opals, and fine jewelry. There is a library list if you are looking for a special book on wiring, carving and many other topics. The library is a free service to club members.

Ecology **Glen McKenzie** will be doing Thursday classes on wire wrapping in October 16th and 23rd.

President **Ann** read the names of the proposed officers for 2004, **Ann Matthews** as **President**, **Dave Kleesattel** as **1st Vice President of Programs**, **Dick Pankey** as **2nd Vice President of Field Trips**, **Mary Hicks** as **Secretary**, **Eva Umholtz** as **Treasurer**, and **Bob Pevahouse** as **Federation Chair**. The slate was first and seconded with motion carried to elect the above.

The auction began with **Al Schlieff**, **Bob Pevahouse**, and **Joe Yarbrough** doing the selling. **Bob** described the belly button brush that we pass to and fro each year in Quartzsite and **Joe** did not want to model clothing articles this year. **Al** enjoyed giving books away, **Bob's** jellies sold real well and the auction was a great success with over \$600 going to the **Dietrich** fund.

What a fun evening for all! Meeting closed around 10 pm with lots of goodies served after. **Remember the Holiday Party in December is coming up.**

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New Editor

By **Mary Hicks**, Editor

My personal thanks to **Sue Zabaldano** for graciously volunteering to assume the job of the club's editor. I am sure she will enjoy the editorship as much as I have these last 5 years.

It has been fun but it is time for me to support the club in a new job. I am looking forward to being the club Secretary for 2004. Thank you to all the club members who have submitted articles or provided me with information that has made the newsletter a good companion to members when they relax a moment during a busy day to read the news.

Gem of the Month

Moissanite "Made in the USA" From the Stuller Standard. Article provided by **Barrie Bieler**.

This month's Stuller featured stone, Moissanite created by **Charles & Colvard**, is a unique jewel with measurably more fire and brilliance than a fine diamond and retailing for a fraction of the cost. Moissanite is harder than ruby and sapphire (second in hardness only to diamond, rating 9.25 on the Mohs scale).

Moissanite, first discovered from a meteorite, is the rarest jewel on earth with naturally occurring quantities too minute for use in jewelry. As moissanite is created, not mined, it is also an environmentally friendly jewel, and moissanite crystals are grown here in the USA.

History-The history of moissanite can be traced to the late 1800's, a passionate scientist and an incredible discovery.

A future Nobel Prize-winning chemist, **Dr. Henri Moissan**, discovered minute quantities of natural silicon carbide while analyzing samples from an Arizona crater site in 1893. The mineral name for silicon carbide, moissanite, was given in **Dr. Moissan's** honor in 1905.

At its essence was the potential for unparalleled beauty. Despite this amazing discovery, the quantities available were too limited to create jewelry.

In the late 1980s, a proprietary process for producing large crystals of moissanite was developed by combining the natural minerals of silicon and carbon. Then a master diamond cutter suggested that properly cut crystals would make a remarkably hard and nearly colorless, shimmering jewel-one that would prove to produce more fire, brilliance and luster than any other available on Earth.

Today, **Charles & Colvard** creates a range of sizes and shapes of sparkling moissanite jewels. While the comparison to fine diamond is unavoidable, moissanite has measurably more fire, brilliance and luster.

Gemologist **Alan Hodgkinson** explained in a piece he wrote for the *Rappaport Diamond Report*, "The outward appearance of diamond is due to its high refraction, high reflectivity, and modest dispersion. These optical properties provide diamond with its brilliance, luster and fire. Moissanite outperforms diamond on all counts."

Membership

By **Kim Kleesattel**

Birthdays

Mike Luebke	11/1
Sherb Brown	11/02
Douglas Rue	11/05
Tom Mc Williams	11/7
John Slazas	11/12
Eric Sonnenthal	11/12
Carol Gainey	11/17
Kevin Malby	11/22
Mark Worley	11/25
Walter Carr	11/29
Betty Pankey	11/30

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Anniversaries

David & Sheri Current	11/11
Margaret De Wilde	11/20
Joe Yarbrough	11/21
Dave & Sue Zabaldano	11/28

HOLIDAY POTLUCK

By Betty Pankey, Hospitality Chair

The Holiday party and installation of officers for 2004 will be on our regular meeting night on Friday, December 12th at 6 PM. This is a potluck dinner and the club will provide the ham.

We will have an ornament exchange; rock related would be nice but not necessary.

More details in next month's bulletin.

P.S. Did you ever notice a jar on the refreshment table that has money in it. **The jar is for members to donate 50 cents or a \$1.00 to help cover drinks, paper plates, etc.** I will be taking over the refreshment job next year for Hazel Woolsey. If there is anything else you would like to see on the goodie table, please let me know. I thought some fresh fruit would be something to add to all the other treats everyone brings. Please give me some ideas.

Old Nick's Copper

From Gems & Minerals 4/1954 via the Livermore Lithogram 10/2003

Nickel-copper ores found in Saxony early in the 18th century originally were known as "Nick's Copper." The superstitious miners gave this name because the metal obtained could not be hammered into useful articles and they believed the devil or "Old Nick" had cast a spell over their ores. When, from similar ores, a previously undiscovered element was isolated by Cronstedt in 1751 he named it nickel. From the Keystone Newsletter.

Tips for Beaders

From Golden Spikes 9/03 via Pegmatite via Strata Gems via Fresno Gem & Mineral Society September, 2003

Silk thread is very strong and is great for stringing but it lacks abrasion resistance. Nylon thread has abrasion resistance, but is not as strong as silk and stretches with the tension required for beading. The solution: use silk for non-abrasive materials such as pearls, turquoise, mother of pearl, and lapis. Use nylon for abrasive materials such as onyx, metal beads, amethyst and rose quartz.

To eliminate stretching after you have carefully knotted a strand with nylon, suspend the cord on a doorknob (several loops are okay), then hang a pair of pliers from the loops and leave overnight. The nylon is now pre-stretched and will not become loose after being strung.

Soaping or waxing the thread keeps it from tangling. Placing a moistened paper towel on your flat surface while working is helpful. To remove unwanted beads from a row, break them with a pair of all-purpose pliers.

Solving a geological puzzle. Coast Range between S.F. & Mendocino has long baffled experts. By Keay Davidson, paraphrased from S F Chronicle 10/13/03

Few realize when visiting the Coast Range north of San Francisco, that they are enjoying a scientific improbability. The northern stretch of the Coast Range is a geological puzzle. The latest hypothesis is a hybrid of two concepts. The new geological observations and computer simulations with old theory that the range was formed above the junction of three geological plates over the last 30 million years.

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The Coast Range south of the Bay Area is probably the result of crustal uplift caused by "bends" in the San Andreas Fault and its sister faults. But north of the Bay Area, things are more mysterious. The 200 miles of Coast Range between San Francisco and Cape Mendocino has long puzzled geologists. The "slab window" hypothesis seemed to offer an explanation for the northern section. Since 1970's it has been know that large sectors of the Earth's hot mantle can be directly in contact with the overlying continual layer. This can happen were three plates are coming together.

There is a junction like this south of Eureka near Cape Mendocino. This is called the Mendocino triple junction , or MTJ, it is where the small, weak Gorda plate is subducting under the North American plate while being pushed northward by the stronger Pacific plate.

In 1980 geologist **Art Lachenbruch** and **John Sass** proposed that as the Gorda plate retreats to the north, its partly subducted segment leaves an opening. Hot material from Earth's upper mantle rushes in to fill the void just under the crust. Image dipping your hand into a vat of molasses and pulling your hand toward you. As the hand moves through the molasses, it creates an opening that the molasses instantly fills. This was the original slab-window idea. It seemed to offer a long-standing anomaly of Northern California geology. This is namely the unusually intense heat – double the expected amount – emitted by the Northern California crust.

But in the 1990's it was realized that the crust is notably much deeper than thought – up to 30 miles deep – but that it varies dramatically in thickness, between 12 and 30 miles. No one knew how to explain the thickness variations. This information also undermined the slab-window explanation. What's a theorist to do?

A Penn State professor, **Furlong**, proposed a

modified version of the slab-window hypothesis in the late 1990's. He suggested that as hot mantle filled the void left by the retreating Gorda plate, the hot matter collided and solidified, welding the base of the Gorda and North American plates together. As the Gorda plate moved north there was bunching and thinning of the North American plate. Over the thickened regions, the land rose; and over the thinned crust, the land sank back to the level of lands that were farther south.

The ultimate result: the formation of two big "bumps" atop the crust. The first bump is the elevated region that forms as the northern part of the North American plate collides with itself; and the second bump develops behind that region that thins and sinks. Geologists have found evidence of this migration in extinct river beds that are ancestors of the Eel, Russian, Van Duzen and Mad Rivers.

Tumbler Hints

From Canaveral Moonstone 4/00, Via Gneiss Gnews 4/02, Via Moroks 9/03 via Fresno Gem & Mineral Society 9/03

By using small pieces of Styrofoam plastic, instead of the hard round plastic beads, your polishing agent will do a better and a quicker job. Those hundreds of polish-impregnated little Styrofoam pieces will really put a shine on everything in the tumbler and will disappear from sight before the end of the polishing cycle.

How to burp a tumbler. If you're running a tumbler and it keeps burping out gas and making a mess in your shop, here's a tip that I discovered several years ago. I even got it published. The burping is due to gas generated by acids and metals. A common example is the iron in a stone (say bloodstone) reacting with the weak acids formed by grinding other rocks. Simply drop a couple of antacids in the tumbler and the problem will be reduced or will go away.

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Petrifying Wood

By **Bill Cordua**, via The Paradise Gem, Sept/Oct 2003, via the Gem-N-I Newsletter Oct/2003

I had the pleasure last spring of visiting Arizona's Petrified Forest. What an amazing site! Acres of huge logs, now made of quartz, weathering out of the hillsides, piling up in the washes, and paving the ground with bits of agate. Such details of preservation! The wood grains, rings, knots and cell structures all still visible. One wonders about the geologic conditions that could form such a deposit.

The geological setting is fortunately well explained to the general public in the Park's literature. During the Triassic Period, about 200 million years ago, the area was a complex of swamps, lakes and rivers. An active volcano belt to the south regularly showered the area with ash. The mud, sand and ash covered ancient logjams of conifers and cycads as well as other plants and animals that lived there.

But how did the logs get converted to agate? Where did the silica come from? Why was it deposited? How did it so delicately preserve the wood's structure? Why is it so colorful? Answers to these questions can be drawn from the work of **Anne Sigleo**, who studied on the geochemistry of the petrified wood while she was at the University of Arizona in Tucson.

Where did the silica come from? It came out of the volcanic ash. The ash, originally a glass weathered easily to clays such as montmorillonite. The weathering released silica in a form, which is soluble in ground water. The ground water percolating through the sediment brought the silica to the logs.

Why was the silica deposited? Decaying logs form a local area relatively low in oxygen. Ordinarily, ground water is at least slightly oxygenated. When it reaches an area of low oxygen content it changes chemically and deposits the silica.

How did the silica so delicately preserve the wood's structure? There are two possibilities. Either the silica replaced the wood chemically, atom by atom, or else it filled in the pores between the wood particles, a process called permineralization. **Sigleo's** work supports permineralization as the dominant process at work on the Petrified Forest. Her evidence was the details of texture seen under the scanning electron microscope and the discovery that original woody material (now degraded to lignin compounds) is still in the logs. The fact that wood is full of open pores is known to anyone who slaps paint on a fresh piece of wood. The woody porous structure thus served as template guiding the details of silica precipitation.

What gives petrified wood such an array of color, with regions of pink, tan, purple, yellow, brown and black? The same processes that freed transported and deposited the silica also applied to chemicals such as iron, manganese, uranium and antimony. The varying concentrations of these trace elements from place to place colors the wood.

Thus, Arizona's Petrified Forest resulted from a happy combination of circumstance beginning with the deposition of preservation of logjams in stagnant lakes and swamps later covered by volcanic ash. Normal chemical breakdown of the ash and movement of the chemicals by ground water into the wood's pores did the rest. Knowing this does not dim the appreciation of the startling vistas of agate-rich logs resting on Arizona badlands. We can all be grateful for the foresight of people like John Muir and Theodore Roosevelt that allowed these features to be protected so that all may enjoy them.

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CFMS SHOWS

November 1-2; Concord, CA. Contra Costa Mineral & Gem Society, Centre Concord, 5298 Clayton Road. Hours: 10-5 both days. Sam Woolsey 925.837.3287 e-mail: sdwools@earthlink.net

November 1-2; Oxnard, CA. Oxnard Gem & Mineral Society "California Gems" @ Oxnard Performing Arts & Convention Center, 800 Hobson Way. Hours: Sat. 9-5; Sun. 9-4. Lois Allmen 805.483.6871

November 8-9; Yuba City, CA. Sutter Buttes Gem & Mineral Society "Festival of Gem & Minerals", Yuba-Sutter Fairgrounds, 442 Franklin Avenue. Hours: Sat. 9-5; Sun. 9-4. Barbara & Charles Brown 916.652.4240

November 15-16; Palmdale, CA. Palmdale Gem & Mineral Club. Plamdale Elks Lodge @ 2705 E. Ave. Q. Hours: 9-5 both days. Gail Becker 661.256.4689.

November 21-23; Sacramento, CA. Sacramento Mineral Society (61st Show) Golden Harvest of Gems. Scottish Rite Temple @ 6151 H Street. Hours: Fri. 9-5; Sat. 10-6; Sun. 10-4. Tom 916.729.1829

November 22-23; Livermore, CA. Livermore Valley Lithophiles. The Barn, Pacific Ave. & S. Livermore. Hours: Sat. 10-5, Sun. 10-4. Bill Beiriger 925-443-5769.

November 22-23; Victorville, CA. Victor Valley Gem & Mineral Club. San Bernardino County Fairgrounds, 14800 7th Street. Hours: Sat 9-5; Sun. 9-4. Bob Harper 760-947-6383.

November 29-30; Barstow, CA. Mojave Desert Gem & Mineral Society. Barstow Community Center, 841 S. Barstow Road. Hours: 10-5 both days. Bob Depue 760.255.1030

December 6-7; Orangevale, CA. American River Gem & Mineral Society. Orangevale Grange Hall, 5807 Walnut Avenue. Hours: 10-5 both days. Paul Daly 916.725.6578

December 6-7; San Bernardino, CA. Orange Belt Mineralogical Society. San Bernardino Woman's Club, 503 31st Street. Hours: Sat. 10-6; Sun 10-5. Lyle Strayer 909-887-3394.

December 13-14; Los Angeles, CA. Gemfest hosted by Mineralogical Society of Southern California & Natural History Meuseum of Los Angeles County. 900 Exposition Blvd., across from the University of So. Cal., just off the 110 Fwy. Hours: 10-5. Bob Rhein 213-763-3538.

March 6-7; Arcadia, CA. Monrovia Rockhounds. Los Angeles County Botanical Gardens, 301 N. Baldwin Avenue. Hours: 9-4:30 pm. Jo Anna Ritchey 62-359-1624.

March 6-7; Ventura, CA. Ventura Gem & Mineral Society "Artistry From Nature". Seaside Park-Ventura County Fairgrounds, 10 W. Harbor Blvd. Hours: Sat. 10-5, Sun. 10-4. Jim Brace-Thompson 805-659-3577.

March 20-21; Angels Camp, CA. Calaveras County Fairgrounds. Hours: Sat. 10-5; Sun. 10-4. Earl Klein 510-632-9373.

April 3-4; Torrance, CA. South Bay Lapidary & Mineral Society. "Natures Treasures". Torrance Recreational Center, 3341 Torrance Blvd. Hours: 10-5. Omer Goeden 818-353-9279.

May 28-30: Come to the CFMS & Mariposa Mineral & Gem Show. "Goldbug Gala". At the Mariposa County Fairgrounds, 1 hour from Yosemite National Park. For Information or a Dealer's Placket, contact California State Mining & Mineral Museum, P.O. Box 1192, Mariposa, CA. 95338. 209-742-7625.

Other regional shows.

**Southern Federation November 28-30
Roanoke, VA**

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dickpankev@juno.com.

Field Trip Calendar

By **Dick Pankey**, Field Trip Chair

- Nov. 26-30** **Wiley Well, southwest of Blythe, CA.** To collect agate, jasper, geodes, psilomelane, fire agate, and more. Hosted by CFMS Field Trips-South. Contact Bob Fitzpatrick at (909) 845-3051 or rurocky2@aol.com.
- Nov. 26-30** **Afton Canyon, east of Barstow, CA.** To collect red and yellow agate, jasper, (plume & sagenite) opalite, calcite rhombs, chalcedony roses, amygdules, green fluorite, onyx and much more. Hosted by Motherlode Mineral Soc. Contact Al Troglin, (209) 838-7725 or shnalrokhound@yahoo.com. or Marion Roberts, (209) 538-0197 or mvroberts@bigvalley.net.
- Nov.30-Dec 6** **Burro Creek, AZ, south of Wickiup, AZ.** To collect purple agate, jasper, fluorite, and more. Hosted by Motherlode Mineral Soc. Contact Al Troglin, (209) 838-7725 or shnalrokhound@yahoo.com.
- Jan. 18-31** **Ye Old Timers Mineral Club at Quartzsite, AZ.** Field trips, campfires, potluck dinners, happy hours, auction and more. Contact Dick Pankey at (925) 439-7509 or dickpankev@juno.com.
- Feb. 2-6** **Wiley Well Dist. southwest of Blythe, CA.** To collect geodes, pastilite, agate, psilomelane, fire agate, and more. Hosted by Contra Costa M&GS. Contact Dick Pankey at (925) 439-7509 or

More information, fliers and details available from **Dick Pankey** at the meetings or call 439-7509 or e-mail me at dickpankev@juno.com.

Field Trip Chairman's Report Utah in October

Betty and I had a great 3 weeks in Utah, mostly in the **Canyonlands** area of southeast Utah. We visited National Parks, State Parks, museums, petroglyph sites, Indian ruins, and many scenic views.

We went to many collecting sites for petrified wood, fluorescent nodules, agate, pyrite and bornite, travertine, sepiarian nodules and more. **I attended a Walt Wright Petrified Wood Seminar in Blanding.** We will have some good show-n-tell at the November meeting.

Wiley Well District Field Trip

The **Contra Costa M&GS** will host a field trip to the **Wiley Well District** is southwest of **Blythe on February 2 - 6.** This is one of the most popular collecting areas on the Colorado Desert. Although this has been a productive area for many years, it still offers an amazing variety of material.

We will collect at **5 main sites; 1 site each day.** This is my sixth field trip to this interesting and productive area. Besides the more noted collecting areas, we will also be exploring other areas.

Contra Costa Mineral & Gem Society

P.O. Box 4667, Walnut Creek, CA 94596

General Meeting: 2nd Friday of the month at 7:30 pm

First Presbyterian Church, 1965 Colfax Street, downtown Concord
(corner of Salvio and Colfax)

Free parking at the City of Concord garage located across Salvio
Membership fees: Initiation \$5; Regular member \$10; Associate \$5; Junior \$1.

Visitors are welcome! Bring a Friend

Board & Committee Members – 2003

President Ann Matthews

glmlam@jps.net

229-0836

Publicity Mary Bufton

935-2081

Librarian Bill McKay

439-8195

billandjennifer@hotmail.com

1st V. P. Dave Kleesattel

798-8240

Property Glen Hubbard

GandGHub@aol.com

228-9131

Historian Ron Fray

685-8248

2nd V. P. Dick Pankey

dickpankey@juno.com

439-7509

Hospitality Betty Pankey

dickpankey@juno.com

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Past President Joe

Yarbrough

682-3894

Secretary Sharon Neuhauser

687-7816

Display Lee King

686-3927

Ecology

Glen Mackenzie

689-4589

Treasurer

Eva Umholtz

473-1477

eva.umholtz@pacbell.net

Assistant Display

Doug Rue

Education

Mary Ann King

947-1550

Federation Bob Pevahouse

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Show Sam Woolsey

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837-3287

Refreshments Hazel Woolsey

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Membership Kim Kleesattel

798-8240

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October 2003

Mary Jernigan
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Fairfield, CA 94533

Time Value

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