

The Opal Express

American Opal Society
 P.O. Box 382
 Anaheim, CA 92815-0382



Member

Member



Volume #31 Issue #01 January 1999

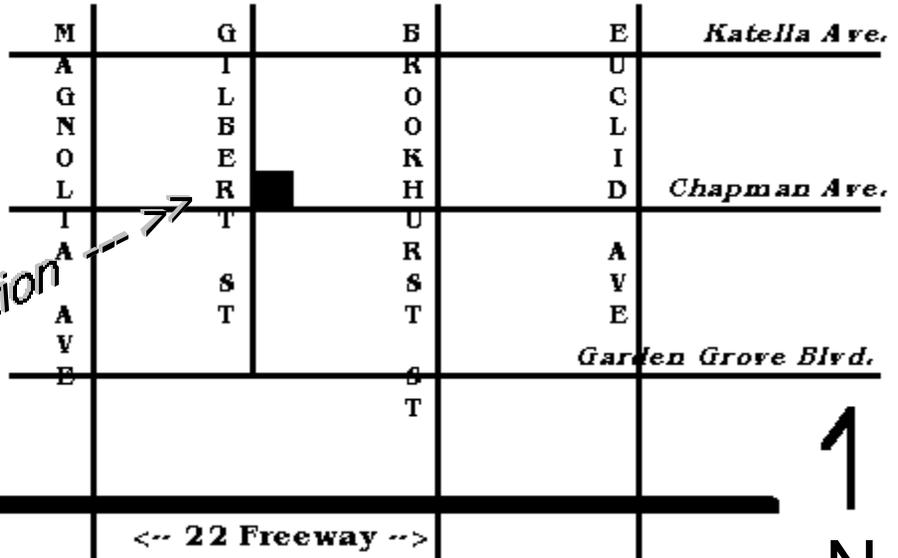


TO:

GENERAL MEETINGS —
 2nd Thursday 7:00-9:00 PM
 Garden Grove Civic Women's Club
 9501 Chapman Ave.
 (NE corner of Gilbert & Chapman)
 Garden Grove, CA

MEETING ACTIVITIES
Opal Cutting Advice Guest Speakers
Slide Shows Videos Other Activities

Meeting Location →



American Opal Society Officers

Wes Roth	President	(714) 897-2843 email wesroth@earthlink.net
Carol Bova	Vice Pres.	(818) 845-8610 email bova@bovagems.com
Mike Kowalsky	Treasurer	(714) 761-4876 email mykowalsky@aol.com
Pete Goetz	Secretary	(714) 666-2084 email mpg1022@aol.com
Russ Madsen	Editor	(562) 425-9788 email 76550.1366@compuserve.com

"Diamond Jubilee of Gems"
CFMS 60th Annual Show & Convention
 June 18, 19, 20, 1999

Do you have any plans for the middle of June in 1999? A suggestion and an invitation to the 60th Annual Show and Convention of the California Federation of Mineralogical Societies is tendered by the hosts, the Mother Lode Mineral Society.

We are planning a fantastic show, "Diamond Jubilee of Gems", at the Stanislaus County Fairgrounds in Turlock, California, June 18, 19 & 20, 1999.

Over 200 Exhibits Demonstrations: Carving, Faceting, Wire Wrapping and more
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**OPAL EXPERTS
PLEASE READ**

The Opal Society is looking for a few good speakers - Symposium Speakers to be precise. There are many opal experts among the AOS membership and we want to invite any of you who may have a topic or presentation to please call or write now as we are beginning to lay the ground work for the Opal Symposium at the 1999 Opal and Gem Show.

Are Your Dues Due Now? PLEASE CHECK YOUR ADDRESS your label shows the current month/year your dues are DUE

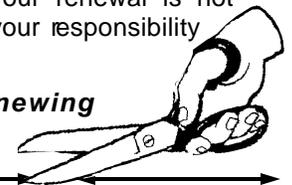
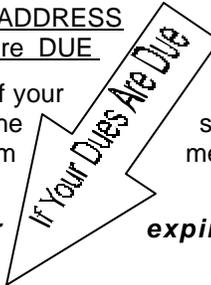
LABEL or the membership roster if you are listed. If NOW. If the date is older, your dues are **overdue**.

Renewal Grace Period of two months will be provided. If your issues of the newsletter. Please note however that as the received you will be **AUTOMATICALLY** dropped from to assure your dues are current.

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Please help us make this work by watching your promptly. Thanks!

expiration date and renewing



DUES RENEWAL FORM

(membership renewal form rev. 1/1/98) d:\ameropal\news\forms\dues_due.pub



American Opal Society, Inc.
 P.O. Box 382
 Anaheim, CA 92815-0382

**Thank you for continuing to support
your American Opal Society!!**

**Make check or money order payable to:
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DUES RENEWAL RATES (select one)**

- 1) **LOCAL AREA member \$26.00**
(addresses in Los Angeles, Orange, & Riverside counties)
- 2) **CALIFORNIA & USA \$20.00**
(all addresses outside local area counties)
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(all addresses outside USA)

**** \$5 SENIOR DISCOUNT = Age 65 or over <deduct \$5.00 from above>**

DEALER LIST: Yes, include my name/address on a list provided to Opal Dealers selling at the most recent Opal Show.

(if yes, please sign or initial here) _____ date _____

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MEMBERSHIP ROSTER: Yes, include my name and/or address and/or phone information in a published AOS membership directory...

[Please circle any of these -> **NAME** / **ADDRESS** / **PHONE** if you prefer a partial listing.]

(if yes please sign or initial here) _____ date _____

without your signature here you will not be included in the member roster

NAME: _____
ADDRESS: _____ **APT #:** _____ **or PO BOX:** _____
CITY: _____ **STATE:** _____ **ZIP:** _____
C O U N T R Y (I F O U T S I D E U . S .)

**NAME BADGE ORDER FORM:
(OPTIONAL)**

Number of badges ordered _____
 (\$5.00 EACH - includes engraving)
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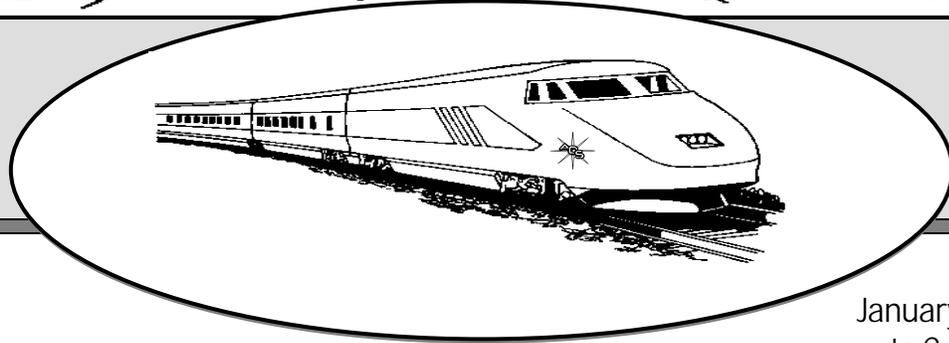
Please indicate any name or mailing address changes

The Opal Express

ROCK & GEM

Published monthly by the American Opal Society

Volume 31, Issue 01



January Guest Speaker...Mike Kowalsky to Continue Talk on Visit To Australia

President's Message from Wes Roth

Greetings,

First I would like to thank everyone for making my last two years as AOS president a wonderful experience. This could not have been accomplished without the support of a great Board of Directors. The January meeting will bring together new officers and a new Board of Directors.

Congratulations to Mike Kowalsky, Our Treasurer, on his photos being published in the current (Feb '98) issue of Rock and Gem for Barbara McCondra's article.

Quartzite starts on Jan 15th with the opening of the Main Event and Clouds on the 16th. This is just the beginning of over a month of the world's largest gathering of Rockhounds, Dealers and others. Blythe also opens on the 22nd of January, so the year starts off with a great collection of the world's dealers.

See you all at the next meeting for the vote tally on our new Board of Directors and the start of a new and exciting year.

Wes Roth
President

You Might be a Rockhound if.....your computers spell checker includes words such as polymorph and pseudomorph.

Last November we enjoyed Mike Kowalsky's talk, travel pictures, video, and opal samples from Lightning Ridge and Yowah. Our tour was temporarily interrupted by a nice Christmas party and dinner at the December general meeting. For January we will pick up where we left off as Mike will complete his series of presentations by taking us to a few of the final places they visited on their August 1998 Australian tour. These will include such opal sites as Andamooka, White Cliffs, Coober Pedy, and a newly active old location called Lambina. That's either "lam-in-ah" (with a silent "b") or lam-BEE-nah depending on who you are talking to. Lambina, for those who aren't aware, is a source of exceptionally spectacular crystal opal. ✨



DATES TO REMEMBER

General Meeting
Thurs Jan 14th 7PM

Board of Directors Meeting
Mon. Jan 11th 7PM
At Workshop

1999 Opal & Gem Show
Nov 6th & 7th

Work Shop Information...

The Opal Society workshop is located in a light industrial complex in Fullerton. The address is Unit #9, 651 N. State College Blvd.

Directions: exit the 91 Fwy onto State College Blvd. and go north. Proceed through the intersection of Orangethorpe continuing a short distance further on State College. Go over the railroad tracks and turn left into the complex on the west side of the street. If you go over the second RR crossing turn around. Proceed behind the front row of businesses and make your first right. Then follow the road around to the left. The workshop has a large "9" over the door.

Only AOS members may use the equipment and workshop. You will be required to sign a release form as well.

Workshop Schedule on Page 5 shows dates/times and appointment instructions. ✨

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Opal Carving...

...1998 Opal Symposium Presentation

By Harriette Breitmann

Hi Opalholics,

What a fun 31st Show we all had. Here's a brief rundown on my own particular part. Starting Saturday morning I got myself set up to demonstrate. Then the show opened and the people came looking for wonderful opal bargains. And then they shop & shop until they dropped over to me where they could sit & share some of their great opal purchases. Here I demo what I do with opals by carving them into unexpected shapes. One piece I like to call my "Lavender Lady" was donated to me by Tikka Opals - Sydney Australia. She will be one of the pieces that will be soon pictured in Rock & Gem Magazine, as I met Bob Jones, the editor of R&G Saturday afternoon and was asked to submit an article with pictures.

On Sunday morning, I gave my talk on how to carve a rock suitable for setting into jewelry or sculpting. We were a small but enthusiastic group who seemed to enjoy themselves, picking up some good tips on how and what is needed to carve and polish. Russ Madsen and Mike Kowalsky did some taping.

I really want to say I think the members and officers of Opal Society are a group of the "neatest" people I know.

Greg Howell of Greg Howell's Quality Gems and a member of the AOS has a chrysoprase carving I did for him. He



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Name Badges...

Price per badge is \$5 which includes the badge itself and engraving of up to two lines of text: one line for your first and last name and, if you wish, a second line for nickname or if applicable, your opal related business name. These engraving options give members flexibility to include many types of identification.

Please allow 3 to 4 weeks for completion of engraving. ✿

made a remarkable holder in order for the chrysoprase to be backlit - so to reflect its beautiful apple green color. It really set off the piece.

The dealers has some of most beautiful opal with great buys and loads of fun dickering.

A truly great 31st Show with many demonstrators from Gem Carvers Guild, along with wire bending, even a wax model and casting artist, and faceting demonstrations. So all of you who missed 31, be sure to come to the 32nd Show November 6th & 7th, 1999.

Sincerely, Harriette



Cutting Mexican Jelly Opal

(Msg 7) from Lapidary Digest #189 (12/26/98)

You've been asking for information on cutting opal these past few weeks, especially Mexican opal. The information coming through the list has the basics, lots of water and take it easy on the pressure. I have a few "hat tricks" to add to the pot.

TRICK #1) I like to use the gel version of super glue for dopping. I use nails for dop sticks because the super glue works better on hard non-porous material than it does on wood. I don't like plastic because it tends to be flexible in the smaller diameters I often need to work with. I don't like to use hot wax for dopping due to the heat sensitivity of opal. I know there is the argument that if a crack happens from the relatively low heat of hot wax, then the stone was unstable anyway. But I'd rather claim success from a marginal (and gorgeous) stone than moan over failure and opal chips!

The method; rough the stones to their general shape, dry with a soft cloth and set them face down on aluminum foil. Trust me, you don't want to glue your opals to the work bench. If your opals get stuck to the foil - so what. The foil will peel or sand off with ease. Apply super glue

(Continued on page 8)



PLEASE NOTE!!! The American Opal Society assumes no responsibility for injury or damage due to accidents or carelessness. Members and guests assume all risks during club activities.

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Editor---Russ Madsen
Please address all inquiries to:
The Opal Express, P.O. Box 382, Anaheim, CA 92815-0382
E-mail 76550.1366@compuserve.com
(Deadline for items: 15th of the month prior to each issue)

WELCOME NEW MEMBERS

#1182 Mark Jameson
#1183/84 Charles B. & Linda D. Ronan
#1185 Steve Newstrom
#1186 Clare Gagnon (Honorary LIFE)



Membership Roster Changes/Additions

New Listing – Clare Gagnon
New Listing – Mark A. Jameson 3800 W. Devonshire #A-59 Hemet, CA 92543
New Listing – Steve Newstrom P.O. Box 7474 Bismarck, ND 58507-7474

Member # 1186 Dues Expire LIFE
(909) 929-8339 Member # 1182 Dues Expire 99-12
(701) 255-4675 Member # 1185 Dues Expire 99-12

ITEMIZATION

ITEM: Due to Quartzite and Tucson Shows Our February General Mtg has been moved to the THIRD week-end of February. Therefore the **February General Meeting will be on Thursday Feb 18th**

ITEM: The annual AOS Christmas party was a great success! What an array of wonderful potluck dishes we all enjoyed! We were pleased to count some 35 members and guests on hand. A very big AOS Thanks to all who brought food and helped with arrangements and preparations. The table settings were very nice as were the catered meats. Thank you to the Burtons for providing the wines!

All you **Chef's of the AOS** remember the talk about a cook book of all the excellent dinner recipes. We need a volunteer please to gather the information so we can get it put together.

It was clear that a lot of work went into making this a memorable club event. Here's hoping everyone got to see the faceted Mexican opal Alan Farquer cut from a piece of rough he found in the workshop practice material. VERY nice stone! Congratulations on the find and the nice job of faceting.

ITEM: Aussie Rock & Gem (via email from Mike Kowalsky) Hi All, this is the message about the magazine. I have a copy from 1998 that preceded the Yowah festival. Will try to bring it to the next meeting.

Happy Holidays,
Mike Kowalsky

ITEM: excerpt of email from Barbara McCondra to Mike Kowalsky – Barbara writes...**Metal, Stone and Glass Mag** from Australia has a 5.95 price tag on front. The 8.0 was if mailed from Australia. I have set one aside. Some background on the owners: I know she is American, she and her husband owned a rock and gem shop in the USA for years then moved to Australia. It's been quite a struggle for the mag of course as population is so small in the Land of Oz and expenses are so high. Here is some info for yourself and the Society.

Metal, Stone & Glass
PO Box 748
Hamilton, Queensland, 4007
Australia
(always say AIRMAIL or it goes by boat)
Phone (07)3216 4058
Fax (o7) 3216 4058

Email amo@powerup.com.au

For subscriptions make American checks (they have an account here) payable to
J.O. Millton (MSG)

Single mags sell for \$8.00 US

One year subscription US 25.00 and 2 years is \$49.00 (they airmail them to you).

In the issue you have, the book *Billabong of Rainbows* is introduced. I had referred to it in my revised story on Opals of Old in the September issue of Rock & Gem but with the change of editors and not informing me they were using the article before printing, and me on the trip to Australia with a tour group, it was not used and the reference was not printed. The puddling dam the author speaks of was the one I used and a lot of the opalized fossils came from my partner's site as did a couple \$7,000 opals that he and Pasha missed because they sorted while completely pie eyed! I will try to buy as many copies as I can of course and bring back! Barbara

ITEM: Biggest Field Trip ever? A reprint of yore recently appeared in the Polished Slab, newsletter of Clark County Gem Collectors, Inc, Las Vegas NV. *On October 7, 1950 the Club held a rock trip to end all rock trips. To this day, it has never been equaled anywhere for attendance. DESERT MAGAZINE of January 1951, wrote: "When the Clark County Gem Collectors invited all the rockhounds of the World to join them on a mammoth (sic) field trip to a newly discovered hill of flower jasper they wondered what the response would be. The Answer: a three-mile caravan of hammer-hounds". More than 1,800 people in about 600 cars were (on hand)...*

History of Clark County Gem Collectors, Inc. via Polished Slab Dec '98

ITEM: Due to Quartzite and Tucson Shows

February General Mtg will be on Thursday Feb 18th

Mark your calendars !!

Special Workshop Notice !!

As Quartzite gets under way Stan McCall will be gone from the middle of January to the middle of February.

Stan will resume his regular workshop hours when he returns.

Please be sure to call ahead during this time before going to the shop on Wednesday evenings.



AUSTRALIAN OPAL UPDATE

Abridged by Barr L. Doty, ISA, GG

All you Want to Know About Australian Opal. Dave Baitel and Dag Bjorn Johnson. *The Guide*, September/October 1998, p. 4.

Lambina is the new area to watch. Discovered in 1930 with limited production since 1977, miners are moving away from depleted Mintabie fields to these virgin lands. Location: North of Mintabie on the western side of the main highway, 230 Km north of Coober Pedy and 10 Km south of the Lambina homestead. Stones similar to Andamooka opal ("best opal ever mined" - ?). However, some streaks of gypsum (like white cotton) appear in the opal and disputes with the Aboriginal Department continue.

Lightning Ridge black opal prices have stabilized due to lack of interest in the Asian market. However, the selection has improved in the U.S. because of a strong economy. Miners are leaving material in the ground for now which offsets any potential for short term loosening of prices.

Coober Pedy mining has just started to reach its peak after the summer season and prices are holding steady.

Mintabie is producing opal in the area where the air-strip was located with mining rights allocated via lottery. This is the only good opal-bearing land left in Mintabie.

Queensland Boulder Opal production has fallen off due to problems with government mining regulations which has caused prices to increase 10-15%. As a result, boulder opal doublets (opal on ironstone) have become popular in the U.S. and Europe as loose stones and set in items of jewelry.

NOTE: Johnson, owner of Opex Opal and Baitel, owner of Western Opal can be reached at Opex, P.O.B. 50548, Santa Barbara, CA 93150. 805.565.1441, email<opex~gte.net>.

Workshop schedule

Be sure to check here for workshop schedule updates. The dates listed below are those available to the AOS in our time share agreement with the Searchers. The shop is presently being opened to members on Wednesday nights but... **Please continue to contact Stan McCall by calling him at Lapidary Intl. (714) 827-5680 if you plan to attend a shop session.**

January 1999

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

WORKSHOP RULES

These rules are effective October 1, 1997. Please see newsletter for monthly shop schedule.

- 1) Shop may only be used by AOS members.
- 2) Shop users must sign liability waiver.
- 3) Shop users must sign in. Shop supervisor will maintain sign-in list and collect usage fees.
- 4) Shop usage will be in sessions on scheduled days as noted below:
 - Session #1 10AM - 2PM
 - Session #2 2PM - 6PM
 - Session #3 6PM - 9PM
- 5) Shop usage fees: effective immediately...
SHOP USAGE FEE IS \$3 PER SESSION.
- 6) To assist us in scheduling, shop sessions need to be reserved in advance. Please contact Stan McCall or any member of the board of directors to reserve shop time.

AOS Annual Membership Directory 1999



This is an annual printing of the current membership directory. Please save this page for future use. Please also note that some of the area codes will have changed during 1997. These are updated as renewals are received.

This list is a courtesy and is prepared with a concern for individual wants and privacy. Only those members who initialed "yes" to the membership listing are shown. Some members elect not to be listed. If you are not listed now but wish to be in the future, please be sure to mark the appropriate question on your renewal of dues, or you may call any officer or let us know at a general meeting. Information shown is believed to be correct and current but no assurance of accuracy is made. If there are corrections or changes needed please let us know.

Membership Talley Omitted for Website to protect the privacy of our members.

Webmaster, AOS



AOS Annual Membership Directory 1999 (cont.)

***Membership Talley Omitted for Website to protect
the privacy of our members.***

Webmaster, AOS

Handling Small Stones

(various msgs) Lapidary Digest #189 12/26/98

(These items from issue #189 of Lapidary Digest address the subject of working on small stones. I was able to cut opals as small as 2mm round. For a dop I used a finishing nail with the head ground down in diameter then the top flattened. Even with a #6 finishing nail this dop was too difficult to handle so I wrapped the shanks of the nails with a few layers of duct tape. A better solution would be to insert the nail in a length of dowel as Lap Digest items below describe. All grinding, sanding, and pre-polish work on the opals was done by hand. For final

The question:

<<I started using nails and superglue for dopping, but for some pieces even the standard nails are big and I need to use finishing nails. Unfortunately, there isn't much bonding area and they don't seem to hold securely. Plus the nails are hard for me to hold. What do you folks use for small stones?>>

The Answers:

I have several small finishing nails driven into the same size dowels that I normally use (1/4") have found that these give good control over small stones. Also you might try using some of the red or black "faceters" dop wax, it is a little stronger than the green.

I have found wooden shish kabob skewers purchased at the local grocery store work well. I use dop wax, even with opal. Just cut the skewer to a comfortable length & apply enough dop wax to hold the stone. For heat sensitive stones like opal, I first paint the opal with nail polish & only warm the stone. The nail polish creates a good bond to the dop wax. I've not lost a stone off of the dop yet.

If the finishing nail used to superglue to a small stone is too small to hold, pound the nail into the end of a length of thin (1/4 inch or so) dowel (and you may have to drill first to avoid splitting, but if you do a drop of glue in the hole before inserting the nail can help) before gluing it to the stone. The stick gives you something to grip. I recommend putting 2/3 of the nail into the wood.

This note is in reply to holding nails used as dop sticks. What I use is a small device with a small chuck to hold the nail. I think it is called a pin vice. Cost about \$6.00. Those who sell small tools at rock shows are most likely to have them as well as many rock shops.

For my small stones like 8x10 mm, (I haven't gone much smaller) I use a small nail but with a larger flat head. I sand the head flat if it is rough and then just use a jell instant glue.

You have to be careful to get them off. The method I use especially opal but I use my torch and just heat the nail shank until the stone is loose. Be very careful. The nail is very hot. Use a piece of leather to pull the stone off before it gets too hot.

The stones can be soaked of in a chemical solvent that is recommended for instant glue to avoid the heat but that is not good for some stones either (like treated turquoise).

My local lapidary/jewelry supply shop sells aluminum scribes that are about 8" long and less than 1/8" wide. I found out right away that if I ground one end flat they made great dop sticks. They're annoying to use with wax, because they have to be heated up along with the stone, but work great with super glue.

You can get a better bond with superglue if you coat the dopped area with nail polish. I have heard of people using matchsticks, paperclips and even toothpicks as dop sticks, but haven't gone that far myself. One good trick is to always pick up a pair of chopsticks when you eat out at a Chinese restaurant. Eat dinner with a fork and slip the chopsticks into your pocket. They make great dop sticks and can be whittled down to almost any size.

Cutting Mexican Jelly Opal (cont.)

(Continued from page 3)

(gel) to the end of the dop stick and press to the back of the stone. I like to spray a little accelerant on the glue. Keeps me from having to hold still longer than I have to. Finish the stone as you normally would. When finished, place the dop (stone side down) in a little bit of super glue remover. Acetone works well for this, or commercial brands are available at hardware stores.

The reason I prefer this method is because it induces less stress on the opal, less heat and no "popping" the stone off of the dop stick when finished, and it's faster.

TRICK #2) When cutting Mexican Opal with transparent or clear (that's most of it!) base color, cut a high dome on the top side and a moderate dome on the back. The reason for this is twofold.

1) If you get the top and bottom domes just right the light will refract within the stone as it does in a properly cut faceted stone. The effect will be as though light is trapped within the stone and the color will "glow" in a seemingly bottomless stone. It works great with or without play of color. Try it!

2) Polishing the back of opal help the stone to last longer. A polished surface tends to retard water loss from the opal over time. A rough surface has many times more actual surface area per given dimension than a polished surface, thus increasing the potential for physical and chemical interaction.

TRICK #3) I use well worn carbide sanding belts on an expandable drum every time!! Diamond is way to aggressive for the high domed stones I like to cut from Mexican material. I like to run the wheels on the slow side so I can press the stones into the sanding drum. Lots of water is needed and discretion is needed to know how much pressure is too much and how much is efficient. Experience is the best teacher here.

TRICK #4) Finish sand by hand with wet, 600 grit, silicon carbide, wet/dry abrasive paper. I tear off a small piece of paper about 2 inches square. I hold the paper in a "U" with the abrasive to the inside. The dop and opal are in the other hand. I sand the stone lightly in the abrasive "U" until all ridges are rounded and I'm satisfied with the shape and removal of scratches. I find wheels to be way to aggressive, even worn 600 grid carbide.

Good cutting and a Happy New Year,

Paul Boni Boulder, CO bonip@colorado.edu



I use Eastman 910 glue. It is very similar to crazy glue. You can dop onto any size finishing nail. Let it set well (a few hours). Then mount the nail into a comfortable pin vice. Snug the stone very close to the pin vise. This will give you lots more leverage so you should watch the pressure that you apply. Experiment on some scrap. Those stones can disappear fast.

(various items From Lapidary Digest #189 12/26/98)

Cutting Approaches - Opalized Clam Fossils

By Russ Madsen

(A series of items in Lapidary Digest #192 – 1/5/99 discuss what to do with an opalized clam. Hans Durstling, whose name members may recognize as the author of the "Kitchen Table Opal Triplet" reprinted recently in these pages (4/98), asked whether to cut or preserve an opalized clam. While various messages addressed that question, a secondary discussion emerged regarding HOW to cut the fossil. I submitted the following comments. – rgm)

Responding to Hans Durstling's question about cutting an opalized clam, Gil Shea wrote:

>> If it is a Solid piece of Precious Opal it shows, especially when wet, try Glycerin or a light oil, and look the stone over under a bright light you should see the fire area(s) <<

I understand it is Gil's intention to suggest a way to view the fossil clam for best appearance of color play. However I want to emphasize that the use of glycerin is not ordinarily appropriate with opal. For such a viewing session it would probably be fine but glycerin is hydroscopic and has the potential to draw water molecules out of the body of an opal. It is not an appropriate storage medium except for displaying specimen opal that will never be cut or used in jewelry.

Additionally, on the subject of grinding without losing the shape of the fossil, I have had good success using a Freedom with a variety of diamond points for rough shaping of opal. This is particularly workable with uneven color patterns, removing sand, or for following color bands that run unevenly as some have described in their opalized clam specimens.

The process is subtractive. Cut/grind away whatever isn't desirable. This may be a way to preserve the shape of the clam while exposing the fire. I have seen clams that showed bright color from skin to skin and others that were patchy or entirely (ulp) potchy. As with any opal, go slow!

Once a desirable shape has been achieved, I switch to diamond paste and short pieces of 1/4" dowel rod - one rod per grit, and work up through 1,200 or 14,000. The dowel rods are easily shaped while spinning by holding them against a steel file to get points etc for following the opal surface. Use of these dowels requires a Jacobs type chuck in the Freedom tool.

I then use cerium oxide for a final polish. I keep the material very wet during all steps above especially the final polish which is completed with the cerium paste on a cotton wheel at about 3,500rpm.

I also use at least 10x magnification to examine the work at each grit before moving up to the next finer grit. Cut a little, look a lot!

-Russ Madsen
editor The Opal Express
American Opal Society

(submitted to Lapidary Digest 1/5/98)

What's

Calendar of Upcoming Events Dates and Locations of Shows

QUARTZITE NEWS

- | | |
|------------------|---|
| *Jan 9 - Jan 24 | Tyson Wells Rock, Gem & Mineral Show
South of I-10 on Hwy 95 |
| *Jan 15 - Feb 15 | Cloud's Jamboree
North of I-10 on east side (Exit 19) |
| *Jan 15 - Jan 24 | Prospectors' Panorama Gold Show
South of I-10 on Hwy 95 |
| *Jan 16 - Jan 31 | The Main Event
North of I-10 on west side (Exit 17) |
| *Jan 21 - Feb 15 | Four Corners Swap Meet
North of I-10 on Hwy 95 |
| *Jan 29 - Feb 7 | Prospectors' Panorama: Gem & Min Show
South of I-10 on Hwy 95 |
| *Jan 29 - Feb 7 | Tyson Wells Sell-A-Rama
South of I-10 on Hwy 95 |
| *Feb 3 - Feb 7 | Quartzite Pow - Wow (500 spaces)
North of I-10 on Hwy 95
Parking: Cars ~\$2 ; R.V.'s/trailers ~\$3 |

Jan 22 through Jan 31 Blythe Rock & Gem Show
Colorado River Fairgrounds Blythe, CA

Feb 3 through Feb 13 Pueblo Inn/Four Points Hotel 350 S. Freeway, Tucson, AZ

Feb 3 through Feb 13 MARTIN ZINN EXPOSITIONS Executive Inn Hotel 333 W Drachman; **Ramada Inn** 1601 N. Oracle Rd; **InnSuites Hotel** 475 N. Granada, Tucson, AZ

Feb 12 – 13 9AM-5PM Feb 14 9AM-4PM Winckenberg G&M Soc Cmnty Ctr, 160 N.

Feb 12 – 14 10AM-10PM Gem & Mineral Bldg Riverside County Fair and Nat'l. Date Festival, Indio Fairgrounds, Gem & Mineral Bldg, Indio, CA

Feb 27 – 28 10AM-5PM Del Air Rockhounds, Sierra Pelona Rock Club, VIP G&M, Woodland Hills Rockchippers, Valley Palza Rec Ctr, 11240 Archwood St., North Hollywood, CA