

Official Publication of the West Suburban Lapidary Club
Elmhurst, Illinois

Volume XXXXVI

No. 1

January 2007

NEXT CLUB MEETING

January 26, 2007 - 8 pm
(doors open at 7:00)

THE ABBEY
407 W. St Charles Rd
Elmhurst, IL 60126



Members of:
American Federation of Mineralogical Societies
Midwest Federation of Mineralogical and Geological Societies
Chicagoland Gem and Mineral Association
Scribe



West Suburban Lapidary Club
Mary Prosek, Opal Editor
PO Box 783 - Lyons, IL 60534

First Class
Dated Material

THE OPAL



WEST SUBURBAN LAPIDARY CLUB
A NON-PROFIT ORGANIZATION INCORPORATED IN THE STATE OF ILLINOIS

Mission Statement:

To foster the development of the lapidary arts and the jewelry craftsman's and to increase public interest in handcrafted gems, jewelry, and their materials

Regular meetings of the West Suburban Lapidary Club are held on the fourth Friday of the month at 8 p.m. with the exception of June, July, August & December at The Abbey, 407 W. St. Charles Road, Elmhurst, Illinois. Parking in the East and West parking lots. Visitors are welcome. Board meetings are held as announced in The OPAL. Annual membership dues are \$17 per household/family. Dues are due January 1, delinquent January 31.

OFFICERS AND BOARD MEMBERS - 2007

President	Ed Gallagher
Vice- President	Karen Dave'
Treasurer	Barbara Petry
Secretary	Barbara Freeman
OPAL Editor	Mary Prosek
MWF Liaison	Terry Licko
Board Member (3rd of 3 year term)	Jose Ponce'
Board Member (2nd of 3 year term) (shared position)	Susan Wilson & Joanne Samuel
Board Member (1st of 3 year term)	Lee Herrera
Past President	To be advised

Committee Chairpersons

CGMA Delegate:

Sabrina Ugorek

Kitchen Supplies:

Ed Gallagher

Gem of the Month:

Yo Watanabe

Tony Gass

Historian:

Joanne Samuel

Publicity:

Mary Prosek

Webmaster:

Don Shore

Hospitality:

needed, please step forward

The OPAL:

Mary Prosek - mitty27@sbcglobal.net

Librarian:

Gwyn Roland

Activities Coordinator:

Karen Dave'

MWF Liaison:

Terry Licko

Lizzadro Museum Liaison:

Jack Maher

Silent Auction/Club Show:

to be announced

Field Trip:

to be announced

Lapidary School:

Karen Dave'

Instructors:

Lyle Backus

Tony Gass

Max Schultz

Assistants:

Lucy Backus

Jose Ponce

Mary Prosek

Alberta Schultz

Don Shore

The OPAL is the official publication of the West Suburban Lapidary Club and is issued September through May with the exception of December. It is mailed, one copy per household, without further charge to members of the WSLC. Email in addition to or in place of mail is also available by contacting the Editor. Articles may be copied provided full credit is given to the author and this bulletin. The deadline for material to be published is the fourth Friday of the month prior. Visit the WSLC website at: <http://www.compu-classic.com/WSLC>

JANUARY PROGRAM

The program for January will be a talk presented by Tony Rodrigues titled “Jewelry Design and Manufacturing in the 21st Century.”

Tony Rodrigues is the owner and proprietor of The Hidden Gem, a jewelry design studio and store located in Hinsdale, Illinois. He is a master goldsmith with over 20 years experience in the field. He has been trained in traditional hand fabrication techniques along with contemporary CAD/CAM systems. The program will cover traditional design along with computer aided design and computer aided manufacturing, (CAD/CAM). Tony will also focus on how the individ-

STONE-OF-THE-MONTH

January’s stone-of-the-month is Chalcedony. Chalcedony is a catch all term that includes many varieties of cryptocrystalline quartz gemstones. Please bring in your rough, specimens, cabs or finished pieces to share with the group! Please see the article beginning on page 8 about a type of chalcedony, Enhydros.

TEAM ASSIGNMENTS

<u>January:</u>	Entwhistle, Jeni	Samuel, Joanne
Anderson, Florence	Feistamel, Doug	Shannon, Tony & Jill Quas
Bultman, Randy	Freeman, Barbara	Watanabe, Yo
Cronauer, Don	Roland, Gwyn	Williams, Jack
<u>February:</u>	Martinelli, Sandy	Sobczak, Bernie & Irene
Abrell, Gary & Lorel	Matthew, Robert & Jacqueline	Ugorek, Sabrina & Sandy
Keck, Lil	Norton, Betty	Walter, George
Mac Leon, Mark & Karen	Schultz, Max & Alberta	Wozniak, Charlene

The WSLC Vice-President is responsible for the Team Assignments and maintenance of the list. If you need to be moved to a different month for various reasons, please contact the Vice-President. Every WSLC member is assigned to a team and is expected to attend the meeting in which they have been assigned. Team members should arrive at the meeting at least 30 minutes prior to the start to help set up the chairs, tables and refreshments. They are also responsible for the take down of the same as well as the clean up. The purpose of the refreshments is to provide a light snack and in no way should resemble a meal. Members who cannot attend usually make arrangements with another team member to bring something in their absence on their behalf.

The team meets 2 month’s prior to discuss various program options and again at the meeting prior to their assigned month. The program must be mutually agreed upon by all team members and advised to the Vice-President at the meeting one month prior. A brief synopsis of the program as well as information about the presenter if applicable must be given to The Opal Editor at the meeting one month prior as well. The Vice-President will assist with program selection when needed.

WSLC MEMBERSHIP INFORMATION

Membership in the WSLC is \$17 per year, per household/family. Dues are payable by January 31st for that calendar year regardless of the date you joined. Please submit a completed application for Board Approval to the WSLC Treasurer, Barbara Petry. **This is to be done at any General Meeting. Applications will not be accepted via mail or at a WSLC function other than a meeting.** Visitors are welcome at all General Meetings. Members of the WSLC are expected to serve on various committee’s and volunteer their time where needed.

Members of the WSLC receive in district rates with the Elmhurst Park District for classes taken at the Lapidary School, regardless of their residence. Contact information for all Board Members are located on page 2 of The Opal.



PRESIDENT'S MESSAGE

by Ed Gallagher

Call me a traditionalist if you must, but I have always felt that the beginning of a new year symbolizes the chance for new beginnings and new potential in any facets of our lives that we choose to focus on. When I attended my first WSLC meeting just over 2 years ago, I could never have imagined that I would start off this year with the honor of being the President of this wonderful club.

I stumbled upon the WSLC via a chance recommendation from a store owner on the north side of Chicago while trying to find information on wire wrapping. I came to my first meeting completely unsure of what I would find. My experiences that Friday evening were beyond any expectations I had imagined.

I would have been very pleased if that first night had been a representatively exceptional evening for the club. Instead, as I continued to attend additional meetings, I found fascinating knowledge and insights about topics that I had no previous interest in. I learned skills that I had never contemplated before. And I have met dozens of wonderful people that have had me anticipating what would come next at every upcoming meeting.

You should all be very proud of WSLC. It is after all a reflection of its members and their passion for the hobbies, crafts and arts that you share with the other members.

While I hope that I can live up to the responsibilities of the office of President, I realize that I cannot succeed without your assistance. The club is nothing without its members and as such we are all responsible for the health and direction of the club. I'd like to call upon all of the organization's members to each present one suggestion for improvements to WSLC. Don't be shy!

Feel free to contact me by phone, email or in person at a meeting. As a teacher I have found that we all have something that others can learn from us if we can communicate it to them. Your club Board needs to learn of your ideas!

MINUTES OF THE NOVEMBER 2, 2006 BOARD MEETING

by Mary Prosek

The meeting was called to order at 7:30 by Vice-President Don Shore. Those attending were Barbara Petry, Don Shore, Karen Dave and Mary Prosek.

Since not too many board members were present, Barbara

Petry gave a quick Treasurer's Report stating that several more memberships were renewed and that more people had signed up for the Christmas Dinner.

Nominating Committee: Mary Prosek reported that several possible new board members had been contacted and a full slate would be published in the November edition of The Opal, announced at the November General meeting for acceptance by the club.



MINUTES OF THE NOVEMBER 24, 2006 GENERAL MEETING

by Jose Ponce'

Vice-President Don Shore called the meeting to order at 8:04 PM.

Announcements:

Reminder that the yearly club membership dues are due. Make sure you see Barbara Petry before or after the meeting. New members may only join at a regular club meeting. Memberships will no longer be accepted through the mail or at a show.

Treasurer's Report: Barbara Petry:

Barbara reported the expenses, income and balances on the accounts. If you have any questions or concerns regarding the report and would like a copy, please contact Barb. A motion was made to accept the report for file and audit by Karen Dave and seconded by Jack Maher.

Business Items:

The nominating committee, read the slate for 2007. They are: President: Ed Gallagher, Vice-President: Karen Dave', Treasurer: Barbara Petry, Secretary: Barbara Freeman, 3rd year Board: Jose Ponce', 2nd year Board (shared by): Susan Wilson and Joanne Samuel, 1st year Board: Lee Herrera.

Those wishing to attend the Christmas Luncheon Meeting on Sunday, December 3rd at the Villa Nova Restaurant in Lombard are asked to make their intentions known to Treasurer, Barbara Petry so an accurate head count can be given to the caterer.

Membership Report: Barbara Petry: There were 31 members present and 2 guests.

Library Report: Gwyn Roland: nothing to report, but it was noted that any donations of books in good condition or current magazines are being accepted by the library

Stone of the Month/Gem Display:

A nice piece of Moldavite rough was in the display. There was also an excellent article written by Vice-President Don Shore in the November edition of The Opal .

Lapidary School: by Mary Prosek for Karen Dave’

Classes for Silversmith are scheduled for two 5-week sessions. All other classes are scheduled for the regular 10-week intervals in the winter session.

Field Trip: Nothing to report

Midwest Federation Report by Terry Licko:

Terry talked about one of the main benefits for being members of the Midwest Federation and American Federation. Their main goal is to promote the studies of the Earth Science by giving away a \$2,000.00 scholarship from donated money and collections from clubs. If you are willing to make a donation please contact Terry. We have had some of our West Suburban Lapidary Club members benefit from such a scholarship.

CGMA: Nothing to report

Program:

Mary Quail introduced WSLC Member Fred Bryant. He gave a talk on making lamp work beads.

Thanks were given to the November group for providing the snacks.

Don Shore called for a motion to adjourn at 8:45 PM. A motion was made by by Leroy Petry and seconded by Terry Licko.



**NOVEMBER PROGRAM
REVIEW**

by Jose Ponce

The November program was a demonstration and talk on lamp work bead making presented by new WSLC club member Fred Bryant.

Fred recently joined the WSLC and previously took lapidary classes through the Elmhurst Park District which are put on in conjunction with the club. Fred is a retired airplane mechanic who dabbles in lapidary, stone carvings, lamp work, origami, weaving, PMC clay and many other media.

Fred explained that the word lamp work comes from the

bellow lamps that were used to generate heat, which had to be pumped by hand. Glass that is used in this process is not the same. Depending on the composition, it may take longer to melt. Different chemicals are added to the glass to created the different colors.

A torch is used to melt the glass. Some people prefer to use an oxygen/acetylene. Special hands free torches have been developed just for the lamp worker and work with MAPP gas, which is more readily available and easy to use. He also spoke about annealing the glass prior to using. Many of the tools Fred uses were made by himself to suit his needs and the types of beads he makes.

The best advice Fred could give the lamp work wannabe is to practice and talk to other bead making people to pick up tips and techniques. In addition to the many samples of his work, he brought a large tray of small lamp work beads and allowed everyone present to take one home.

The talk was very informative and very inspirational. It was very interesting to actually see a bead made before my eyes!

FREE: TO BE GIVEN AWAY

Now that I’ve gotten your attention, please read this. The February meeting has been moved to Friday, March 2nd. The March meeting remains the same, on March 23rd.

The February meeting will be at the same place, same time, just different day. Please make a note if it and remind other members should you have the opportunity.



**WELCOME NEW
MEMBERS!**

Please welcome new members, John & Sherry Done of Elgin, Illinois. We hope you enjoy being in this great club!

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Name Tags: If you need an official WSLC name tag, please see Barbara Petry. The cost is about \$7.50 per tag. They are great to wear not only to the club meetings, but also for special events and to shows. It might even be worth a discount with one of the dealers, or a chance to start a conversation with a prospective new member!



**MINUTES OF THE WSLC
DECEMBER 3, 2006 ANNUAL
MEETING AND HOLIDAY
DINNER**

by Mary Prosek

Members and guests started arriving at Villa Nova restaurant at noon. Soft drinks and coffee were served. A cash bar was available for those who desired other refreshments. The weather was very accommodating as it was unseasonably warm that day.

A delicious meal followed and included a salad, roast beef, chicken, mostaccioli, rolls, and green beans, followed by a yummy dessert.

Many ladies arrived wearing lovely hats and everyone attending dressed for the special occasion. Several members wore exquisite hand wrought jewelry pieces. This included both men and women.

The meeting was called to order at 2:15. A motion was made and passed to dispense with the business meeting. Karen Dave read the proposed slate for 2007:

President: Ed Gallagher
Vice-President: Karen Dave
Treasurer: Barbara Petry
Secretary: Barbara Freeman
3rd year Board Member: Jose Ponce
2nd year Board Member: Susan Wilson & Joanne Samuel
1st year Board Member: Lee Herrera

Don Cronauer opened the proposed slate to discussion. Gary Abrell made a motion to accept the proposed slate as stated, Paul Pavesich seconded the motion.

Don Cronauer thanked all the board members and appointed positions for their support and work throughout his 2 years of holding the President's position and wished the incoming officer's and board members well. The "official" meeting was adjourned at 2:25.

Although the meeting was officially over, most members stayed after dinner to mingle with each other and exchange holiday greetings. I

The staff and service at Villa Nova was exceptional, as well as the food. The current owner stated that new management was taking over shortly and he would let them know of the club's desire to reserve the room again for the 2007 Christmas Dinner. A good time was had by all!

REMINDER: Annual club dues are due at the beginning of the calendar year, regardless of the date you joined. Still a bargain at \$17 per year, per family. Contact info for the Treasurer is on page 2.



MWF NEWS

The Midwest Federation of Mineralogical & Geological Societies (MWF) has announced the annual 2007 Program Competition.

Many WSLC members put a lot of work in to preparing a program that they present to the club. The competition is a means for your program to be judged and possibly win a cash prize.

The programs can be slides, video or digital. The subject must be about Earth Science and the related arts and suitable for showings at Club meetings, shows, etc. Entrants must belong to a club or society that is a member or affiliated with the MWF.

If the presentation uses slides, they must be available for professional duplication and include written permission to use any of the copyrighted images or material. All original slides and material will be returned. If tapes or digital formats are used, please send a copy. The MWF will pay for copies of winning programs.

The entry should include a written script. The length of the programs should be no more than 40 minutes long.

With the entrant's permission, winners will be forwarded to the American Federation of Mineralogical Societies (AFMS) for inclusion in the national competition.

It's a great way to get recognition for your hard work and good publicity for the WSLC. Deadline is April 15, 2007.

Complete information can be found on the MWF website. The address is: www.amfed.org.mwf. Look under resources, then Program Competition. There is also a list of programs that are available for clubs to borrow.

For those of you without internet, please contact me. I will gladly make copies of this information for you.

Mary Prosek - Opal Editor

FEBRUARY MEETING CHANGE

*The February Meeting will be
held on Friday, March 2nd.
Same place and time The March
meeting remains unchanged.*

STONE-OF-THE-MONTH**A MEMBER OF THE CHALCEDONY****FAMILY - ENHYDRO'S****Terminology That's All Wet**

By Julian C. Gray, Member Georgia
Mineral Society

From Tips and Trips, Georgia Mineral
Society, 7/03

4th place, 2004 AFMS Advanced
Adult Articles

Mineral dealers at rock shows will occasionally offer specimens labeled enhydros for sale. What they are selling are typically quartz crystals with liquid inclusions. Within the liquid is a tiny bubble and if you tip the crystal back and forth the bubble will move. The dealers will often circle the bubbles and if you cannot find the bubble, the dealer will spend a lot of time searching with you. Most require that you use a magnifier. So what are these things?

First of all they are fluid inclusions, not enhydros, and they are also much more common than you might imagine. I will define both, but here is how fluid inclusions form. Minerals grow by adding elements to their surfaces, edges, and corners. Quartz crystals grow in many environments, but they commonly form by growth out of a hydrothermal solution—hot ground water containing dissolved silica. Growth rates and mechanisms are complex subjects and some scientists spend years on this single area of research. It is enough for our purposes here to know that different parts of a single crystal or crystal face can grow at different rates. When this happens microscopic pits develop in the crystal faces. These become the vessels for our bubble bearing liquid. Think of the hopper shaped halite or copper crystals that you've seen or those deep cavities or the faces of some Brazilian quartz. As the crystal grows larger, the next layer or several layers of crystal growth can cover these pits trapping liquid in the process. Now the fun begins!

When a liquid is heated it expands, when it cools it contracts. Solids like quartz also expand and contract, but to a much smaller degree. An everyday example of expanding and contracting liquids is the liquid in a glass thermometer. The glass in a thermometer also expands and contracts, just not nearly as much as the mercury or colored alcohol in the tube. When our quartz crystal is finished crystallizing it cools down (and so does the liquid in the inclusion). The cooling liquid contracts and may pull away from the sides of its tiny quartz container forming a vapor bubble.

Scientists call these trapped liquids and their bubbles fluid inclusions. They are quite common and very fascinating. The white color of milky quartz is due to thousands or perhaps millions of microscopic fluid inclusions. Gemologists see inclusions when they look at certain gemstones (emerald is a good example) with a microscope. The liquid is not always water. A common fluid in ore forming pro-

cesses is salty water. In general, hot water can dissolve a lot more salt than cold water can. Quartz growing in hot salty water may trap some of that salt water in inclusions. When the salt water in the inclusions cools and contracts, it too will form a bubble. But another interesting thing happens; because the water has cooled down it can no longer hold as much salt as it did when it was hot. Salt begins to crystallize out as a halite crystal within the fluid, which in turn is trapped in the quartz crystal. Imagine peering into a microscope and seeing an inclusion with a tiny vapor bubble and microscopic halite crystal! (micromounters eat your heart out.) Other things found in these fluid inclusions are carbon in fluids in Herkimer diamonds (doubly terminated quartz crystals from Herkimer, New York) and oil in fluorite from Elmwood, Tennessee. (Oil often fluoresces—check out your fluorite!) There are many more examples of wild stuff trapped in minerals (Roedder, 1972).

And let's think about *this* for a minute: the fluid in the inclusion is an actual sample of fluid in which the mineral was growing! For this reason fluid inclusions are geochemical time capsules for scientists. Techniques have been developed to study these inclusions and determine their composition and the exact means of trapping (Roedder, 1962 and 1984). They tell us how minerals grow, where deposits form, and even guide us to oil or metal deposits. They also add or detract from the value of gemstones. And they are simply entertaining to watch. I have a large inclusion in amethyst from the pegmatites in Brandenburg, Namibia. You can see the inclusion through a prism face of the amethyst without a magnifier. The bubble will move around its triangular home in the amethyst when you rotate the crystal 360 degrees.

So what is an enhydros? The American Geological Institute's Glossary of Geological Terms (Bates and Jackson, 1987) defines enhydros as "a hollow nodule or geode of chalcedony containing water, sometimes in large amounts." This is different from the fluid inclusions that we have been talking about thus far. Remember that chalcedony is a microcrystalline, a fibrous variety of quartz. Chalcedony is made up of hundreds or thousands of tiny elongated quartz crystals. These fibrous crystals grow from ground water flowing through a rock, commonly basalt or other volcanic rock. The silica bearing ground water begins precipitating quartz when it enters a cavity. The chalcedony may entirely fill the cavity forming a nodule or it may leave a void in the center to form a geode. If it forms a geode, then some of the remaining liquid may become trapped in the void. Everyone is familiar with geodes and we all know that the crystal-lined voids in the center can be several inches in diameter—they could hold a lot of water! Mineral dealers who sell true enhydros cut the water containing geode so that they miss the center of the geode, which would release the water. If you see an enhydros it will look like a chalcedony nodule, but if you shake the enhydros the water will move around.

Scientists call the quartz with moving bubbles fluid inclusions. That is what they are and that is what we should call them — fluid inclusions. That is what they are and that is

what we should call them — fluid inclusions. Geodes with water are called enhydros. It would be better to call the things we see at gem shows “bubbles” than enhydros. Not a single article or book on fluid inclusions that I have seen even mentions the term enhydros.

There is a significant difference between enhydros and fluid inclusions. While enhydros may form by trapping water at the time they are formed, the walls of the geode are porous and water can leave or enter the enhydros. This happens in nature before we find and collect the enhydros. Ground water may continue to flow in and out of the enhydros until we collect them, then water only seeps out. Some books warn that enhydros should be sealed to prevent leaking (not to worry, this process is very slow). This means that the water in the enhydros may not be the same water that was trapped when the geode grew (Matsui et al., 1974). Fluid inclusions trap water from which the mineral grew. The walls of a fluid inclusion are solid and non-porous. Only under special, but not completely uncommon, circumstances will a fluid inclusion leak (Roedder, 1984). The water in the fluid inclusion is commonly the water that was trapped when the crystal grew. Some scientists have examples of fluid inclusion dating back to the early Precambrian. That’s amazing. These Precambrian fluid inclusions may hold water that is over three billion years old!

Can fluid inclusions leak? Yes, but this happens only rarely and typically if a crystal is fractured at some point. Careful examination of the crystals with a microscope can reveal clues as to whether a fluid inclusion is primary and has not leaked. Minerals that exhibit cleavage are more susceptible to leak-age: calcite, barite, and fluorite for instance.

Enhydros are scientific curiosities; fluid inclusions are a scientific research tool. It’s sort of like the fluid equivalent of the difference between a rock and a mineral. It is incorrect to label a mineral with a fluid inclusion an enhydros. A label calling attention to the fact that a mineral bears fluid inclusion is correct and should even increase the value of a specimen because of the scientific value and unique circumstances under which these formed. Now get busy changing those labels!

References:

Bates, R.L., and Jackson, J.A., 1987, Glossary of Geological Terms— Third Edition: American Geological Institute, Alexandria, Virginia, 788pp.

Matusi, E., Salati, E., and Marinin, O.i., 1974, D/H and 180/160 Ratios in Water Contained in Geodes from the Basaltic Province of Rio Grande de Sul, Brazil: Geological Society of America Bulletin, Volume 85, pp. 577-5 80.

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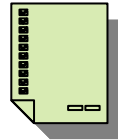
Roedder, E., 1962 Ancient Fluids in Crystals: Scientific American, Volume 207, pp. 38-47

Roedder, E., 1962, Ancient Fluids in Crystals: Scientific American, Volume 207, pp. 38-47.

Roedder, E., 1972, The Composition of Fluid Inclusions: U.S. Geological Survey Professional Paper 440-JJ, 164 pp.

Roedder, E., 1984, Fluid Inclusions: Mineralogical Society of America Reviews in Mineralogy, Volume 12, 646 pp.
SC Editors’ note: photos from the article have been omitted in this reprint.

reprinted via THE STONE CHIPPER - January 2005



BITS AND PIECES

LAPIDARY SCHOOL: Classes are running for the 10 week winter session for both Lapidary and Wirewrapping. Historically during the winter session, enrollment has been down, so this is great news. Drop ins are welcome to observe a class in session and to talk to the instructors. There will be a Spring session starting the first week in April. In addition to Silversmithing, Lapidary and Wirewrapping, there will also be a class on Opals, which is only offered in the Spring. The classes usually run 10 weeks. Silversmithing and Wirewrapping will be offered in two 5 week sessions in the Spring.

CGMA: Word on the street is that the WSLC’s own Rich Dillon will be heading publicity for this year’s show that is usually held the weekend of Memorial Day in May. We wish you good luck!

LIZZADRO MUSEUM: The museum is running a special exhibit called “Diamond Legacies” from January 9th through April 29th. See historically accurate replicas of the most famous and controversial diamonds in history. The exhibit displays twenty-two diamond replicas created from cubic zirconium (CZ) by faceter Scott Sucher.

Scott will present a lecture at the museum on Saturday, March 3rd at 2 p.m. Reservations are recommended.....

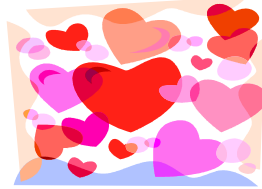
MOST IMPORTANTLY: Scott has agreed to give a talk at the February WSLC meeting which has been changed to March 2nd. More information and details to follow on this. Mark your calendar. Bring a friend. The meeting promises to be a night to remember.

SHOP TIPS

Mother of Pearl for inlay work can be softened by soaking it in white vinegar. Once this is done, it can easily be cut.
From The Stone Chipper, 1/05 via The Post Rock 11/03

The Harry Peterson Projects

What are the Harry Peterson Projects. Are they some secret government funded experiments conducted in the deserts of Roswell, NM that involve secret agents who covertly communicate with extra-terrestrial life that have come to



Earth in search of the perfect BBQ recipe? Are they vast expanses of urban concrete erected to house those in need?

No, they are silver projects that were created by one time WSLC member, the late Harry Peterson. Harry was a member of the club many years ago. He was employed at Marshall Field's downtown as a Master Silversmith, back in the day when Field's had specialty shops located inside the stores.

Harry shared his expertise and love of silversmithing with all those who would listen. He regularly created and developed many projects that were published in The Opal. The pin/pendant project included was first printed in the October 1976 edition.

We are fortunate enough to have a copy of these projects in a condition that allows them to be re-printed in their original form. While the text has been converted, the drawings are the exact originals. So are the sizes of each drawing. Even though this project is over 30 years old, please note the first sentence. Funny how things don't change much!

With Valentine's Day just around the corner, what would be better than wearing your heart as a pendant or brooch? Enjoy!

Pin or Pendant, plus Bonus

by Harry E. Peterson

In these times when silver is so expensive, we must utilize as much of it as possible before we call it scrap. Here is a little project which makes you silver do double duty.

Use 20 gauge silver sheet.

Step 1: cut out pattern and cement to silver sheet

Step 2: drill hole for saw blade as indicated. Use very small drill, then carefully saw out the inside blank. Remember that we are going to use the inside blank as well.

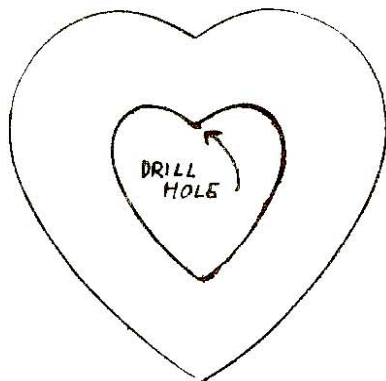
Step 3: use a sharp pointed lead pencil to mark scallops on both blanks as per drawing. Then use a half round needle file to file the scallops.

Step 4: buff the back of the large heart and solder a pin to it. Or, if a pendant is desired, make small loops, one inch apart on a 16 gauge round wire (see drawing). Solder the wire to the back of the blank. After buffing and sanding all scratches and marks, polish to a mirror finish and attach a chain.

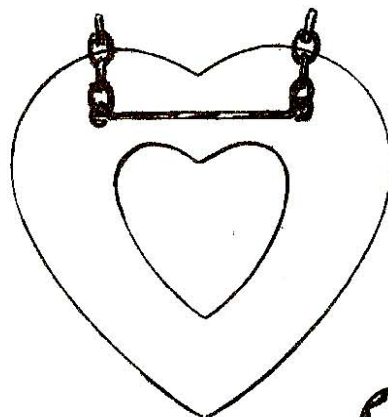
Step 5: solder a ring to a small heart and use as a pendant or charm.

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Editors note: For those of you who are saving your Opal's and don't want to lessen the value of this future collectible, but want to cut the pattern out, please send me a quick note, email or call me and I will more than gladly give you a good copy of the pattern - *Mary Prosek - ctc info on pg 2*



PATTERN



BACK OF PENDANT



FINISHED PEND.



CHARM

WSLC CALENDAR OF EVENTS

MEETING LOCATION: THE ABBEY: 407 West St. Charles Road, Elmhurst, IL 60126
Abbey public phone: 630-530-9874

GENERAL MEETINGS:

Doors open at 7:00 p.m.
The meeting begins at 8:00 p.m.
Next Meeting: Friday, January 26, 2007

WSLC BOARD MEETINGS:

The Abbey
The meeting begins at 7:30 p.m.
Next Meeting: Friday, February 2, 2007

UPCOMING SHOWS AND EVENTS

Jan 20: ELMHURST, IL - "Rockhounds: The Movie" @ The Lizzadro Museum of Lapidary Art - 220 Cottage Hill - Elmhurst, IL A film that explores the fun, adventure and wackiness (no!) of rockhounds. Travel around the U.S. to see various activities and experiments performed by a geologist throughout the film. Ages 6 yrs to Seniors: 60 minutes - 2:00 p.m. Regular museum admission. For info call (630) 833-1616

Feb 11: PARK FOREST, IL - South Suburban Earth Science Club's Annual Silent Auction - Freedom Hall - 410 Lakewood Blvd - Park Forest, IL Gemstones, Jewelry, Lapidary Supplies, Findings, Slabs, Specimens, Fossils, Books, Magazines & more. Sunday 1 to 4. Free Admission. Refreshments served. For info contact Bob Frank (708) 388-7365, email: ssescus@yahoo.com

Mar 2 - 4: RICHMOND, IN - Eastern Indiana Gem & Geological Society 34th Annual Show - Wayne County Fairgrounds - N. Salisbury Rd, Richmond, IN. Fri 9 to 6, Sat 10 to 6, Sun 11 to 4. For info contact Lucille Mays at (765) 935-5574

Mar 10 - 11: MACOMB, IL - Geodeland Earth Science Clubs, Inc. 27th Annual Show - Western Illinois University - Murry St, Macomb, IL. Sat 10 to 6, Sun 10 to 5. Free admission. For info contact Steve Holley (309) 647-8864, email: ilfossil@hotmail.com

Mar 24 - BRAIDWOOD, IL - Mazon Creek Fossil Collecting Field Trip - The Lizzadro Museum of Lapidary Art - 220 Cottage Hill - Elmhurst, IL. Go by bus to Braidwood to the world famous Pit 11 and other locations with Jim Fairchild of the Earth Science Club of Northern Illinois. 8 yrs to Adult. Bus leaves at 8 a.m. and returns around 3 p.m. \$25 per person, museum members \$20 per person. Reservations a must (630) 833-1616. This trip fills up fast so don't delay.

**THE FEBRUARY MEETING WILL BE HELD ON
FRIDAY, MARCH 2nd, SAME PLACE, SAME TIME.
THE MARCH MEETING REMAINS UNCHANGED.**



Quotes of the month: Cheers to new year and another chance for us to get it right - *Oprah Winfrey*
All you need is love, love. Love is all you need. - *Paul McCartney & John Lennon*
He who trims himself to suit everyone will soon whittle himself away - *Raymond Hull*