

THE MIDWEST FACETER



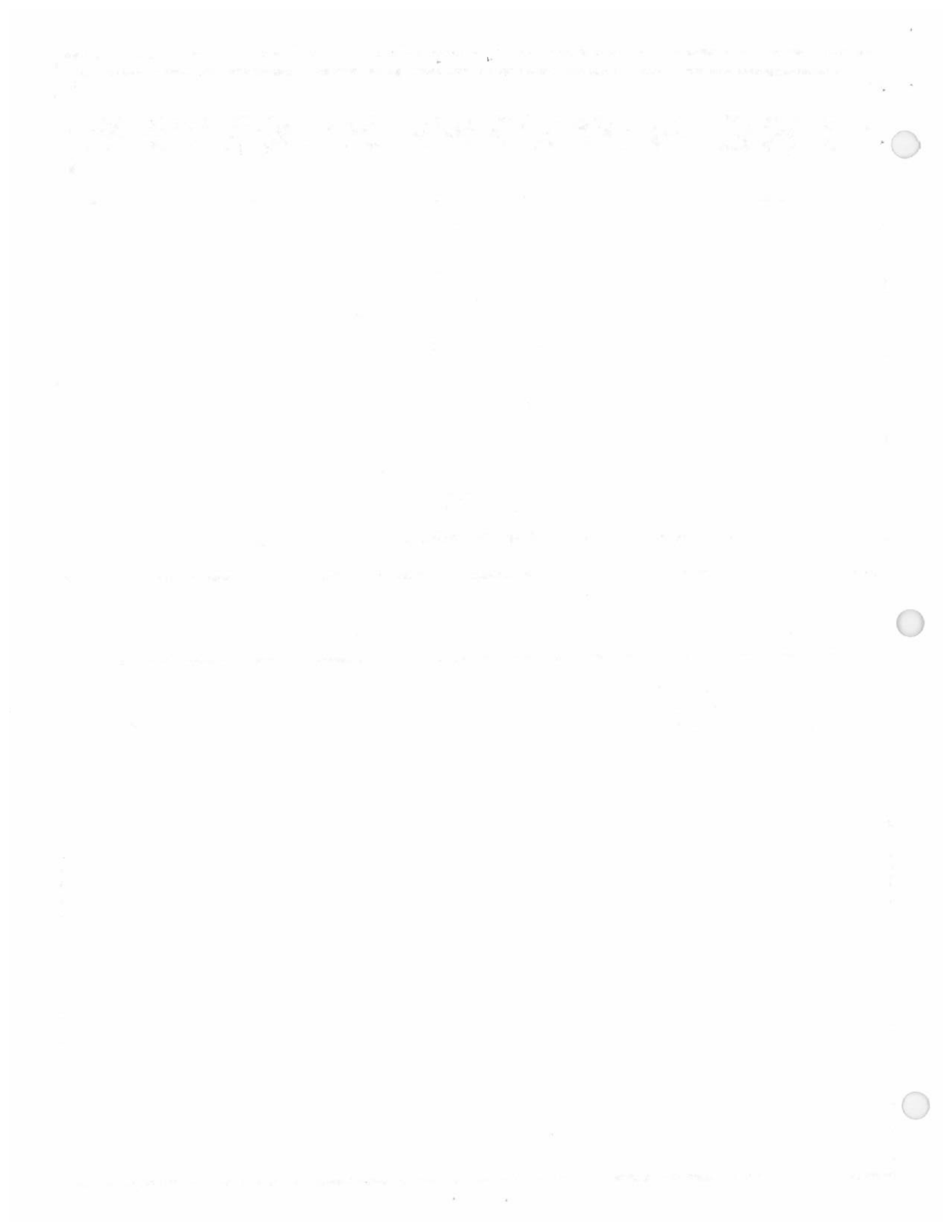
July 1992
Volume 12 Number 4

AN EDUCATIONAL PUBLICATION OF THE MIDWEST FACETERS GUILD

THE MIDWEST FACETER
11630 S. Gera Road
Birch Run, MI 48415

Non Profit Org.
U. S. Postage
PAID
Toledo, Ohio
Permit No. 800

WOODRUFF F. Daniel
279 N. Venoy Circle
Garden City MI 48135



THE MIDWEST FACETER

Editors

Kathleen Myers
Bill Horton

Send all Articles and
News Items to:

THE MIDWEST FACETER
11630 S. Gera Road
Birch Run, MI 48415

THE MIDWEST FACETER
DEADLINE:

The 10th of the month
preceding publication.

THE MIDWEST FACETER is not forwardable. For membership application or change of address contact:
Membership Chairman: William H. Gardiner 4518 Sandstone Drive Williamston, MI 48895

THE MIDWEST FACETER is the official publication of the MIDWEST FACETERS GUILD and is published five times each year available to members only as a portion of their annual membership dues. Statements appearing in THE MIDWEST FACETER are those of the author and not necessarily those of the MIDWEST FACETERS GUILD, MWFG Board of Directors, or THE MIDWEST FACETER editors. The editors reserve the right to edit all material submitted for publication. Permission to reprint any material published in THE MIDWEST FACETER is granted provided full credit is given to THE MIDWEST FACETER and to the author.

THE MIDWEST FACETERS GUILD

* ORGANIZED JULY 14, 1979

PURPOSES

- * TO PROMOTE EDUCATION AND RECREATION
- * TO DEVELOP THE ART OF FACETING
- * TO EXCHANGE INFORMATION RELATED TO FACETING
- * TO PROVIDE MEETINGS FOR THOSE OF LIKE INTERESTS
- * TO PROMOTE THE ACHIEVEMENT OF INDIVIDUALS

MEMBER OF:

THE MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES
THE AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES

MIDWEST FACETERS GUILD

Board of Directors

President	Thomas Gibbs 622 8th Street Wyndotte MI 48192 (313)282-3745	Treasurer	Elery Holt 6758 Erie Street Sylvania OH 43560 (419)882-2492	Secretary	Frances Bush 931 Bricker Toledo OH 43608 (419)729-3407
Vice Pres.	Don Sahr 29435 Seaway CT. Mt. Clemens MI 48045 (313)465-3622	Past Pres.	William J. Horton 2589 N. Hughes Road Howell MI 48843 (517)546-2159		

COMMITTEE CHAIRPERSONS

Competition	Ed Myers 11630 S. Gera Road Birch Run MI 48415 (517)624-9178
Education	Bernard Bush 931 Bricker Street Toledo OH 43608 (419) 729-3407
Historian	June Ramshaw 417 Kove Road Sanford MI 48657 (517)
Hospitality	Doris Medlen 3639 Hiawatha Blvd. Fort Wayne IN 46809 (219)747-4985
Librarian	Deb Stutts 4173 N. Waldo Road Midland, MI 48642 (517)835-9257
Mailing	Frances Bush 931 Bricker Street Toledo OH 43608 (419)729-3407
Membership	Bill Gardiner 4518 Sandstone Williamston MI 48895 (517) 655-3608
Member Registration	Jane Holt 6758 Erie Street Sylvania OH 43560 (419) 882-1492
Parliamentarian	Harold Rice P.O. Box 84 Mt. Clemens MI 48046 (313) 792-7748
Rules	William J. Horton 2589 N. Hughes Howell MI 48843 (517) 546-2159
Show 1992	Art Kalinski 3357 Doremus Hamtramick MI (313) 871-5610
Special Display	Dorothy Loyd 28400 Hughes St. Clair Shores MI 48081 (313)778-7271

THE MIDWEST FACETER

Co-Editors

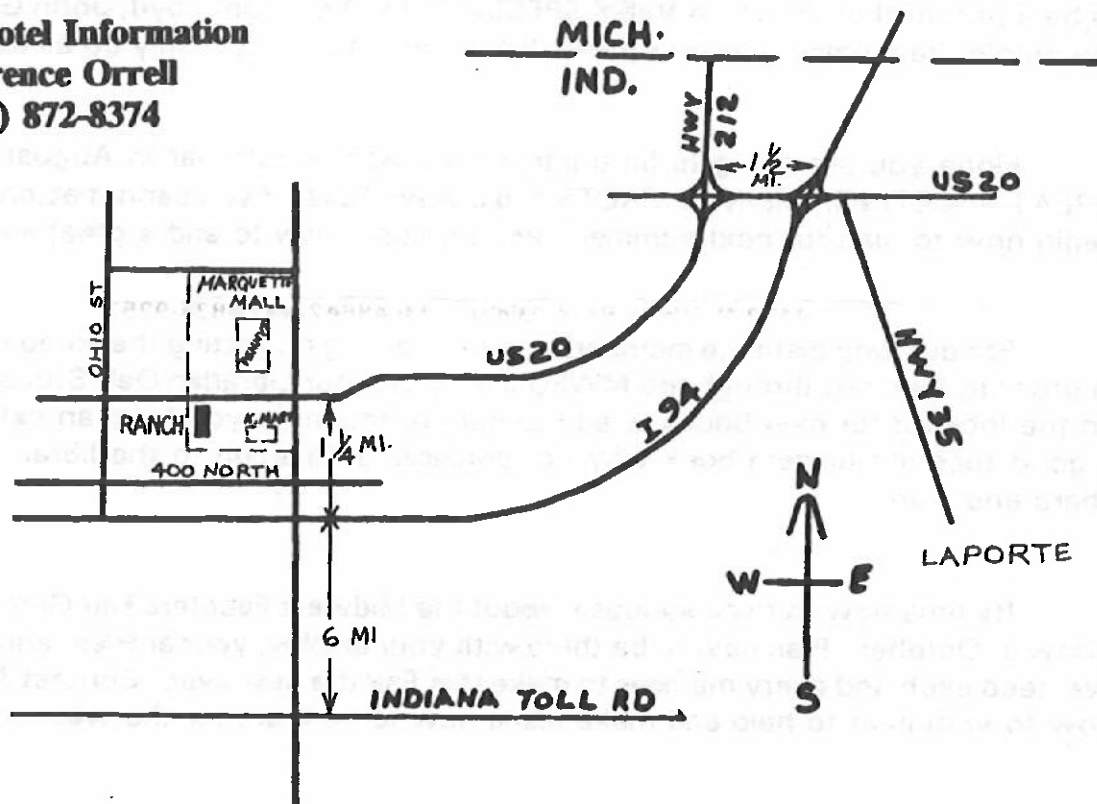
William J. Horton
2589 Hughes Road Howell MI 48843 (517) 546-2159
Kathleen Myers
11630 S. Gera Road Birch Run MI 48415 (517) 624-9178

MWFG MEETING AUGUST 8, 1992

August 8
Ranch Restrurant
Marquette Mall
Highway 20
Michigan City, Indiana

Board Meeting....10:00 a.m.
Regular Meeting.. 1:00 p.m.

*** Motel Information**
Clarence Orrell
(219) 872-8374



Hosted by: Faceters Forum Society
Michigan City, Indiana

From the President's Quill....

Tom Gibbs

Another GREAT meeting at Toledo - those folks sure know how to make us feel welcome! Thanks to that area group for hosting our meeting in May.

By the time you receive this we will have the combined AFMS/MWF Convention Show behind us - a great effort for our group to showcase the Birthstone Display. This display is one of the very best in the country and all of you can be very proud to be a part of that effort! **A VERY SPECIAL THANKS** to Dot Loyd, John Gansen and the whole crew helping to set up and dismantle the project. They do all of us proud!

Hope you are going to be a part of the Annual Seminar in August it will be GREAT FACETING, FREINDS, FACTS and always FUN. If you cannot attend this year begin now to plan for next summer - what a super way to end a great summer!

For our long distance members we are working on getting the video tape library in order to loan out through the MWFG library and our Librarian Deb Stutts is always on the lookout for new books to add to our collection. If you have an extra copy of a good faceting or gem book why not consider a donation to the library so all can share and learn.

Its time now to think seriously about the Midwest Faceters Fair Gem & Jewelry Show in October. Plan now to be there with your display, your entries, and your help. We need each and every member to make this Fair the best ever. Contact Art Kalinski now to volunteer to help and make plans now to be there for the weekend.

See you in Indiana!

The Prez..

The Step-Star Cut

80 Index Gear—Angles For Corundum Crown:

— girdles —

1.	5	at	43.05°	80,16,32,48,64.
2.	5	at	30.00°	8,24,40,56,72.
3.	5	at	30.49°	80,16,32,48,64.
4.	5	at	20.00°	8,24,40,56,72.
5.	5	at	15.92°	80,16,32,48,64.
6.	5	at	10.00°	8,24,40,56,72.

Shape = Pentagon

Table Area = 14.5 sq

$$T/W = .382$$

C/W = .1390

P/W = .4746

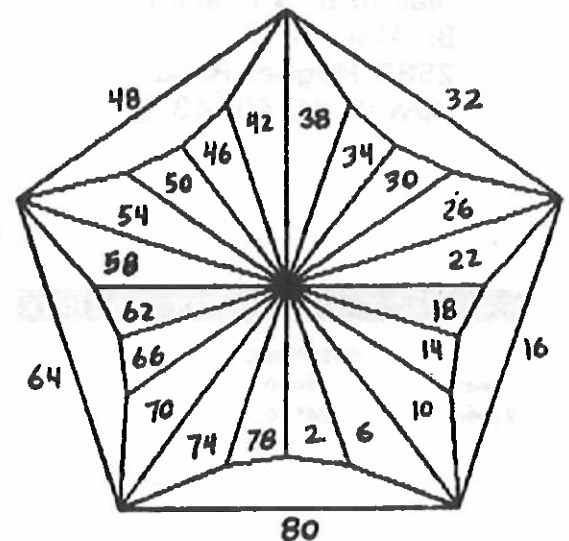
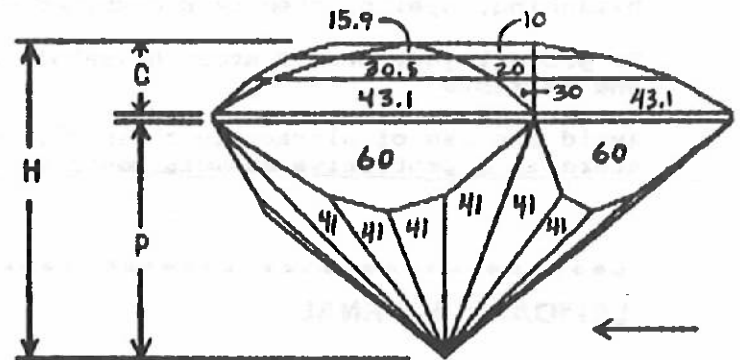
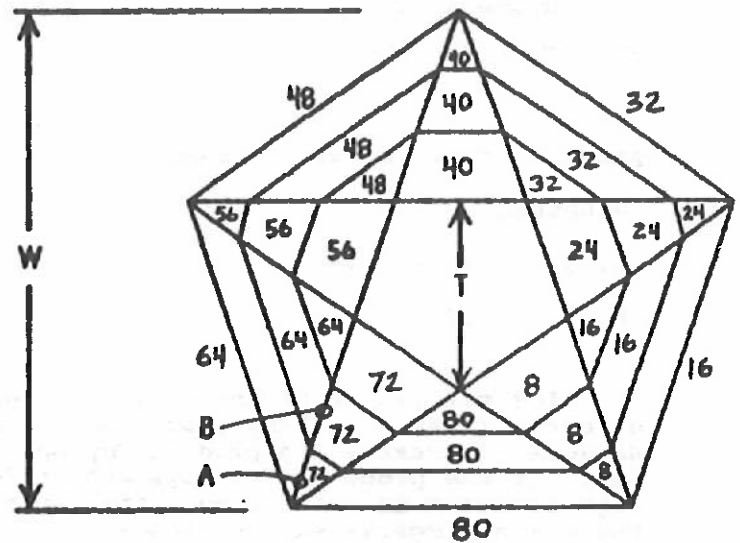
 $H/W = .6336$

A/W = .142246

B/W = .143118

Because of the crown pattern, the large step facets around the table are set to 10° to help out the very small table.

Cutting Angles in Degrees.

**Pavilion:**

1.	5	at	60.00°	80,16,32,48,64.
2.	10	at	41.00°	6,10,22,26,38, 42,54,58,70,74.
3.	10	at	41.00°	78,2,14,18,30, 34,46,50,62,66.

Designed by Fred W. Van Sant

BIRTHSTONES : JUNE

PEARL : Pink, Silver, Cream, Golden, Green, Blue, Black

HARDNESS 3 - 4

S. G. 2.60 - 2.78

R. I. 1.52 - 1.66

The derivation of the name is uncertain but may be from a type of shell (Latin - PERNA) or from its spherical shape (Latin - SP HAERULA). Pearls are produced by molluscs, rarely by snails. A Pearl is the product of an oyster's defense mechanism. When a foreign irritant is introduced either by man (Cultured) or naturally, the oyster immediately surrounds it with layers of a substance called nacre. This ultimately forms the gemstone known as Pearl. Pearls come in a wide variety of colors. The more perfectly round the shape the better. The higher the luster or "ORIENT", the more valuable the specimen.

Pearls have been recognized as--the emblem of modesty, chastity, and purity. They have come to symbolize a happy marriage.

Different colors or shades of colors may be achieved through bleaching, dyeing, chemicals combined with heat, or irradiation.

To protect your pearls avoid household chemicals, cosmetics, hair sprays and perfumes.

Avoid the use of ultrasonic cleaners. Wash with a mild soap and water and store in a protective chamois pouch or tissue.

LAPIDARY JOURNAL

Order or Renew your subscription and help the club scholarship fund a portion of the \$ come back to the MWFG.

Make your checks payable to: Midwest Faceters Guild

Mail form & check to:

Bill Horton
2589 Hughes Road
Howell, MI 48843

LAPIDARY

**SUBSCRIBE TO THE WORLD'S FAVORITE
GEMSTONE MAGAZINE**

(Includes the Giant April Buyers' Guide)

LAPIDARY JOURNAL CLUB SUBSCRIPTION FORM

DOMESTIC CLUB RATE

	SUB PRICE
1 year	\$24.00
2 years	\$41.00

Date: ____/____/____

Term: ____ 1 year ____ 2 years

Amount Paid \$ _____ (____ Check ____ Cash)

Subscriber:

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

Secretary's Minutes

Fran Bush

The May 9, 1992 meeting of the Board of Directors of the Midwest Faceters Guild was called to order at 10:04 AM by president, Thomas Gibbs, in H J'S Prime Cut Restaurant in Toledo, Ohio. Those in attendance were: President Gibbs, Donald Sahr, Elery Holt, Frances Bush, William Horton, Arthur Kalinski, Bernard Bush, Dorothy Loyd, Edward Myers, Kathleen Myers and Gail Sahr. Absent were: William Gardiner, Doris Medlen, June Ramshaw, Harold Rice and Debra Stutts.

The minutes were approved as published through a motion made by Bill Horton and seconded by Gail Sahr.

The Treasurer's report was accepted and filed for audit through a motion made by Ed Myers and seconded by Bill Horton.

Bill Horton has the Midwest Federation Newsletter for anyone wishing to read it.

Bill Horton reported hearing from Peter Collins and keeps in touch through their bulletin and Leonard Domorsky. Mr. Collins has invited any faceter to visit them in Warwick, Australia.

Robert Strickland will attend our Faceting Seminar for the Computer Class and Jerry Wykoff will have a Jam Peg Class.

The North York Faceting Guild of Ontario is cutting C-Axis versus the Non-C-Axis. Bill Atwell was asked to write an article on it for our Bulletin. Bill Horton is planning on attending their meeting in June. The Editors would very much like to have them on our Bulletin Exchange List.

Bill Schell maintained the Faceters Booth in Cincinnati and recruited 14 candidates for the Seminar. Bill Horton made a motion, "That Bill Schell be reimbursed for his motel and gas, as he was the only one from the area that attended Cincinnati Show." Motion was seconded by Art Klinski and carried, unanimously.

Bill Horton had a few extra copies of the April Lapidary Journal for anyone wanting them.

The next meeting will be August 8th in Michigan City, Indiana at the Ranch Restaurant. Map will be in the Bulletin. Other up-coming events are the Dearborn Show, May 15-17th; MGAGS Seminar at Mott Community College, Flint, Michigan, June 27th; The American Federation and Midwest Federation Convention in Brunswick, Ohio, July 23rd to 26th; The Midwest Faceters Guild Seminar, August 14-16th at Hartland High School, Hartland, Michigan.

There will be a Show Committee meeting in September at "Under the Eagle Restaurant" Hamtramck, Michigan, Date to be announced.

COMMITTEE REPORTS:

Competition Chairman, Ed Myers has the consensus of the new rules and will read them at the Membership meeting.

Education Chairman, Bernard Bush reminded us the next meeting will be in Michigan City, Indiana on August 8th. Virginia Steele will have directions and map in the Bulletin.

Historian, June Ramshaw, absent - no report.

Hospitality, Doris Medlen, absent - no report.

Librarian, Debra Stutts, absent -no report.

Membership Secretary, Bill Gardiner, working the show - no report.

Parliamentarian, Harold Rice, absent, no report.

Rules, Bill Horton- Rules must be completed and will be voted on at Brunswick, Ohio. Faceting Competition will be held under the Seventh Edition until the new ones are approved and they become effective immediately.

Special Display, Dorothy Loyd is becoming very concerned as she received no action on getting stones for the Birthstone cases. Please come to her aid by loaning your stones. Time is growing very short and she must have commitments so she can plan the layout.

Co-Editor, Kathleen Myers reminded everyone the Bulletin deadline is June 15th. A special bulletin for the Seminar will also be mailed in June. The new Directory should be out in May.

snow Chairman, Art Kalinski said plans for the 1992 Faceters Fair are well under way and the next meeting will be announced. He will try to get the price of a new electric stapler next week.

President Gibbs appointed Jane Holt as membership Registration Chairman and Bill Schell as Nominating Committee Chairman.

OLD BUSINESS:

Birthstones are needed so Dorothy Loyd can make the display better than ever. This is the first time for competition so help do the Guild proud by loaning her your best stones, jewelry or rough material.

Russ Kemp has given permission for the cubic zirconia replicas of the World Famous Diamonds to be on display at our Show. Judy Loyd will pick them up.

Raffle Prizes are needed. Any item will be greatly appreciated. Does not have to be of faceted stones.

Kathleen Myers presented a budget of \$2400.00 for August Seminar. This is based on an attendance of 60 persons at \$40.00 per person. A computer teacher from the school must be hired. Expenses include school rent of \$300.00; Crouse Bldg., \$120.00; Computer room teacher at \$15.00 per hour, \$180.00; Speaker expenses for Strickland, \$375.00; Seminar snacks, \$150.00; Teachers honorarium, \$600.00; Participation Aprons \$470.00 and printing of Classbooks, \$150.00. Optional Dinner on Saturday night, \$10.00. Kathleen Myers made a motion, "That the budget be accepted as printed. Art Kalinski Seconded the motion and it carried unanimously.

Seminar Announcement Booklets, printing and mailing expenses of \$300.00 will be paid from the Guild's General Fund", through a motion made by Don Sahr and seconded by Bill Horton. Don Sahr made a motion, "That the Guild pay Jerry Wykoff for the expense of the Jam Peg Class." Motion was seconded by Bill Horton and carried.

Elery Holt made a motion, "That monetary amount for speakers fees be limited to \$100.00 per meeting. If over that amount, the Education Chairman must ask for approval from the Board of Directors."

Don Sahr seconded the motion and it carried unanimously.

NEW BUSINESS:

Show Chairman, Art Kalinski announced the following as Chairman of the various Show Committees: Treasurer, Elery Holt; Secretary, Frances Bush; Dealers, Tom Gibbs; Electrical, John Gansen; Birthstone Display, Dorothy and Judy Loyd; Demonstrations, Bill Schell; Ribbons, Gail & Don Sahr; Security, Bill Bowles; Club Booth, Robert & Maxine Sanderson; Worker Registration, Joseph & Alberta Manina; Exhibits, Bill Horton, Kathleen & Ed Myers; Show Layout, Tom Gibbs; Raffle, Bernard & Frances Bush; Flyer Design & Printing, Jan Root; Hospitality, Doris Medlen; Lapidary Ad, Art Kalinski; Security Police, B.F.H. System, LTD., Art Kalinski; Publicity & Advertising, Art Kalinski; Admissions, June Ramshaw and Hall Decorations, Carmen Eiche. Bob Caluwe will sub where necessary.

Dealer Chairman, Tom Gibbs reported booth rental is coming in. To date five remain unpaid.

John Gansen needs the layout for the electrical installation.

Bill Horton has the Show Ribbons and will give them to the Sahrs.

B.F.H. Systems, LTD have been hired for security.

It was suggested that a letter of intent be mailed to the Chairman of the Shows at which we will maintain a booth. Brunswick and Detroit Shows are on our schedule as o Now.

Tom Gibbs has the contract for the 1993 Show at Dearborn Civic Center and a deposit of \$750.00 is required to reserve the facilities. \$200 is required for the Transient Merchants License.

The phone number of the Motel 6 in Brunswick Ohio is 216-234-0990.

The Dearborn Club will have our wiring with the stipulation that the Guild has priority on using it for our Faceters Fairs.
Meeting adjourned at 11:15 AM.
Respectfully submitted,

Frances Bush, Secretary.

MINUTES OF THE MEMBERSHIP MEETING

The May 9, 1992 Membership meeting of the Midwest Faceters Guild was called to order at 1:00 PM by President, Tom Gibbs in H J'S Prime Cut Restaurant in Toledo, Ohio.

President Gibbs welcomed everyone and thanked Bernard Bush for making the arrangements- for the meeting.

The minutes were approved as published through a motion made by Bill Schell and seconded by Al Cunningham.

The Treasurer's report was accepted as read by Elery Holt and filed for audit through a motion made by Art Kalinski and seconded by Gail Sahr.

Tom Gibbs announced there may be a parking problem at the Dearborn Show. If they do not reach a stage of repair so the parking lot may be used, a shuttle service will run from the Library parking lot.

Coming events are the MGAGS Seminar at Mott Community College, June 27th- Flint, Mi; AFMS-MwF Convention, July 23rd- 26th at Brunswick, OH; The Midwest Faceters Guild Seminar in Hartland, MI August 14-16th; Toledo Show at the Masonic Complex, September 11-13th; Annual Meeting, October 25th at Dearborn and the Midwest Faceters Guild Show, October 30 - November 1st.

Dorothy Loyd is starting to panic as she has not received the necessary stones, jewelry and rough material for the Birthstone cases.

John Gansen has had trouble contacting someone at Brunswick High School so he can see the layout for displaying. This is most necessary as he needs to know how to wire the cases and which truck to use.

Competition Rules and Revisions include: Allowance of Concaved and Convexed Faceting; elimination of mounted stones; elimination of three classes; The use of loops and microscopes; reduction to three stones for judging; and the fearsome four-some that requires a round brilliant, Emerald, oval and marquise cuts. No touch excluded. Additions are a required 20mm or greater and a 3mm or less. Glass will be accepted. The portion for workmanship is undecided as yet. The revisions will be voted upon the Monday before the National Show at Brunswick and will be effective when passed. There will be three trophies; One for Natural Stones; one for Synthetic and the Third for natural and Synthetic. The twelve stones will compete for the Third Trophy.

OLD BUSINESS:

Prizes needed for the Raffle. Can be any item crafted by members, not just faceted stones.

Art Kalinski is pricing new staplers. The one we have is not heavy enough to accomodate our bulletin.

Bill Schell set-up and maintained our booth at the Cincinnati Show and recruited four new members and the names of fourteen persons that wish to attend our Seminar.

NEW BUSINESS:

Jane Holt was appointed as Membership Registration Chairman and given full voting privileges on the Board of Directors. Bill Schell was appointed as Nominating Chairman. Both appointments were approved through a motion made by Bernard Bush and seconded by Bill Horton.

A budget of \$100 for Meeting Programs was approved by the Board. If a very special program is planned and the cost exceeds \$100 the program Chairman must have Board approval before booking the speaker.

Bill Horton had a few copies of the April Lapidary Journal for Members wishing to take them.

Show flyers have been printed, folded and are being readied for mailing at the proper time. Dearborn Club is furnishing the list of labels for the mailing.

Bill Schell will be demonstrating steam casting at the Dearborn Show.

Bernie Bush advised everyone to see the "Sand Castle" that is being sculptured at the North Towne Mall.

John Gansen suggested a trip to ITC in Shelby, Michigan but Virginia Steele informed us that it has been closed. A bus trip to Lizzadro's in Elmhurst, Illinois would be very nice so members could see how the Diamond Replicas are being displayed.

Ce-Editor Kathleen Myers reminded everyone the deadline for the Midwest Faceter is June 15th. Reservations are now being accepted for the August 14th-16th Faceting Seminar at Hartland High School, Bldg. 21, Hartland, Michigan. Please contact Kathleen or Bill Horton if interested. A special bulletin will be mailed to all Members in June.

Bob Strickland will conduct a program on "Gems Designs on Computers". Jerry Wykoff will have the Jam pag Class. Classes will be held for Beginners without machines (limited to ten persons); Beginners with machines; Marquise and Oval cuts; Open Faceting Class for everyone interested. You bring your own machine, material and cut and share your accomplishments and problems in cutting. There will be a class on "How to Judge" with rules to go by. Don was in Australia so he will talk about the Australian method of Judging. Cost is \$40.00 per person with an oppitional Saturday night dinner at a cost of \$10.00 per person. Bob Strickland will be the speaker on Friday night for everyone and the first fifteen to sign up will be accepted for his hands on Computer Design Class.

Meeting adjourned at 1:38 PM.

The morning program consisted of helpful hints from Bill Schell and a Program was presented by Jack Schatzley of Gems Unlimited, Inc. on "How to evaluate Your Gemstones".

Respectfully submitted,
Frances Bush, Secretary.

Membership Rolls.....

Bill Gardiner
Membership Chairman

Add the following to your Guild Directory.

HARRIET DUKE GEORGE
1824 HARVEST LANE
GLENDALE HEIGHTS, ILLINOIS
60139
(312) 668-2502

HELP

Where is DOROTHY K. SWEGH (Sp?) we need your address in the directory.

NOTE ...

We were saddened by the passing of our Guild member and friend, Ann Czapski, of Brighton, Michigan. Ann was a long time member of the Guild. She has been ill for a number of years.

We also received news of the passing of George Machart of Peotone, IL. George has been a faithful Guild member for several years.

Condolences to both of their families.

L' TRIANON
a faceted sphere
by
ELERY L. HOLT

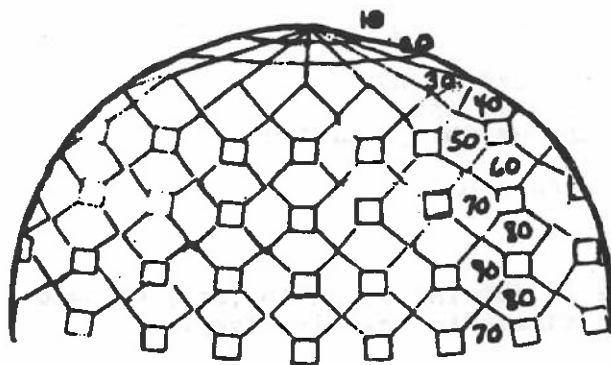
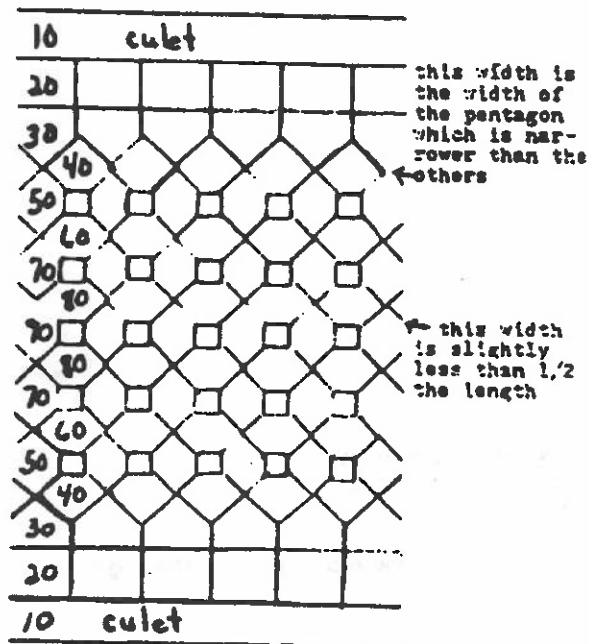
336 facets 96 index

Start out with a sphere if you can make one; but it is not necessary. Cut the 90° facet to circle your stone, the others will fall in place. It is necessary to set your caliper to slightly less than half the length of the facet for the width of the next cut. When cutting the $80a^\circ$ facet, determine where the girdle will be and mark a spot with a pencil. Cut the 80° facet accordingly remembering that half of the girdle will develop after transfer. When you transfer the stone, you will cut the width you have set on your caliper. Cut $80a^\circ-70^\circ-60a^\circ-50^\circ 80b^\circ-60b^\circ-40^\circ$ -- Cut 30° but change your caliper to the width of the pentagon which was formed when cutting the 40° facet. Maintain your caliper distance. Cut $20^\circ-10^\circ$ to a culet. Eye-ball your curve and if it bulges slightly adjust the angle slightly. A very small flat table-like facet will also help.

All facets are indexed 96-6-12-18 etc. except $80b^\circ-60b^\circ-40^\circ$ which are indexed at 3-9-15-21 etc.

Polish from the girdle to the culet. Original sphere is 50mm in diameter. Material optical clear glass. Developed by

ELERY L. HOLT, SYLVANIA, OHIO



The Cutting Edge.....

Ed Myers
Special Competition Chairman

Congratulations to all of our members who entered the Midwest Federation and American Federation Competition at the National Show in Ohio this July !

It is now time for all of us to be getting our entries ready for the October Midwest Faceters Fair. Copies of the rules are available from Bill Horton.

I encourage each of you to enter at your cutting level and really learn just how great you are doing. Remember the best way to improve your cutting is to get into competition and learn where you may need to improve and what are your strong suits.

At the Guild level the categories range from Junior cutters to Open Division (for anyone) and also include Designer, Single Stone and Cases - a place for all to give it your best! GO FOR IT - and see how much you learn!

From the Book Shelf....

Deb Stutts
Librarian

Books new available to borrow:

Sapphire Faceting Diagrams
Faceting Diagrams - Round Long & Steele
Faceting Diagrams - Barion Long & Steele

I have received two enormous volumes of faceting cuts that I am presently in process of cataloging into smaller more manageable mailing sizes - a completes list to the membership soon.

Please consider seriously the donation a book of faceting or gem information to our library for all members to share and learn from.

Send all donations to: Deb Stutts 4173 N. Waldo Road
Midland, MI 48642

Cutting Tidbit...

Alexandre Wolkonsky

After faceting since over 12 years, I find myself now the uneasy owner of much too many cutting laps most of which I never use. This means I have made mistakes and wasted lots of my money. These few words are for people new in the business not to repeat similar mistakes.

The care you should take with your laps should be close to the care you take to choose your faceter. For the purchase of your faceter we dish out quite some money and are extra carefull. Laps are not so expensive and you can buy them in the course of time. This is how you get caught.

Initially you should evaluate about how many stones you could cut in a month and a year. This depends on your free time as faceting is time consuming. If you evaluate you might cut something like 50 stones a year, then buy electroplated laps. If you think you may cut more than that, I would suggest you switch to sintered laps which is what I did after a number of years. I got mine first from JES, then Richard Hahn in Idar Oberstein, but I know they are now available in the US from Crystallite. I use 1mm thick sintered 40% grit alloy.

If you cut even a little more than a small number of stones you will soon notice that your electroplated laps get dull. You build pressure and they get duller. So you have to buy yourself a new electroplated lap of the same grit size and send the worn out one back to the manufacturer for recharging which is rather costly. After some time you end up with a collection of electroplated laps the cost of which is more than a few carefully chosen sintered. Also new electroplated are very scratchy and the old ones dull - specially the finer grits. A well kept sintered, after cutting the first couple of stones, would cut about the same way after one thousand stones if properly taken care

To take care of a sintered lap you should have in mind that the alloy mixed with the grit is less tough than the surface of an electroplated. Therefore when initiating a facet cut, bring your stone gently on the lap surface not to plow into the alloy. Specially so with the harder materials.

Cut by riding your stone all over the alloy part of the sintered lap to equalize wear and keep flat lap surfaces. Many of the commercial cutting laps made in Idar are large diameter laps, 25 to 30cms (2.5cms = one inch) but the sintered alloy is an outer rim 3 to 5cms wide. As I use 6 inch/15cms laps which are much smaller, I usually have my sintered laps with the alloy extending over the full surface of the laps except for a 4cms diameter centre recess to tighten the arbor nut on the steel backing and not on the diamond grit (contamination).

When the lap surface gets a bit greyish, you have to clean it. Give plenty of water - a continuous flow, not individual drips - over the lap surface and run it ; medium slow: 200/300rpm. Press with fingers at a medium pressure a small slab of medium fine carborundum sharpening stick. Run the stick slowly from arbor to edge. Avoid digging a sharp corner of the stick into the lap surface not to damage the surface. Work evenly over the entire lap surface to keep a flat lap surface. If you do not have a carborundum stick, then use a small piece of tile. Avoid pumice stone which is too soft. Its very efficient but tends to abrade too much of the alloy so that the diamond grits stick out a bit too much and the lap is too scratchy.

After doing this once or twice the water flow will quickly push out the grey carbide debris and your lap surface will show the allow clean and almost semi shiny again. Your lap is ready to start cutting again as if new. I usually do this quick cleaning rather frequently, say every second stone and more frequently for the fine grit laps, to have the laps in perfect cutting shape. Should you see still some greyish colour circles on your lap, work this area once again with your stick or piece of tile.

I do not often cut extra large stones. By far the majority of stones I cut are in the 5 to 12mm range in diameter. I preform on a 260 or 325 inch grinder, electroplated.

The basic laps:

They are those used 80% of the time. Whether electroplated or sintered does not matter if you keep them in good cutting shape:

. 600 US (20/30 microns) for initial cutting. Meets can be seen rather easily with a 600. In case of doubt or if your lap does not give a narrow light beam and sharp shade, then rub the facets you are cutting against your chin/cheek. Your body oil will deposit on the side of the stone you are working on and meets will show much better.

Leave out the smaller facets or facets which need little material to remove. These you will take care of during the second step.

. 1200 US (10/20 microns) for final cutting and cutting the smaller facets left over in the first step. After that I polish.

This reduces your cutting laps to only 2, a reasonable budget for buying the more expensive sintered laps.

Other cutting laps:

These are use probably 20% of the time, but more so if cutting large stones.

. 325 US, sintered, honeycomb (38/45 microns). This is special lap manufactured in Idar with a thicker alloy plus grit top layer around 3mm instead of one. Its got plenty of deep square recesses hence their "honeycomb" name. The purpose of these multitude of holes is to keep the water on the lap. Therefore you can work your faceter at full speed with plenty of water dripping. Adding a small amount of detergent is even better. I usually run this 6 inch lap at 1500 to 2000 up rpm. Therefore it cuts extremely fast. An other very interesting point is that because of the many holes on the lap the actual facet to lap contact area is substantially reduced. So when applying a hand pressure similar to the one you would apply working-with a standard lap, the actual facet pressure on the honeycomb lap is greater. Therefore cutting speed is again faster. The honeycomb lattice has yet a further advantage: facet edges are not dented too much as one would beleive with a coarse lap. Even by using a 180 honeycomb for those superlarge quartz or topaz stones, facet denting is reduced.

Cutting speed is very fast and one should be very careful not to overcut. Meets are more difficult to see. When cutting pavillions mains I usually leave out a small culet facet of keel line. This will be removed by cutting with subsequent finer cutting laps. This lap is expensive but a formidable time saver for the large stones.

. 2000 US (7 to 15 microns), sintered 50 rpm to idle, light pressure. I use this with difficult to polish materials, to include some in the quartz group. Also when through negligence or purpose, I cut a large facet such as a table on a cleavage. Also sometimes on the harder materials. But its main purpose is to cut small facets such as stars on a small stone, or facets on a small stone needing very little material to remove. I have been writing a separate paper on the the 2000 lap.

. 600 US silicon carbide Pellon lap on a master lap, held with water: this I use for the very exotic materials as a pre-polish lap. You can not really flatly turn down a request from one of your gemmological friends who, from time to time, ask you to cut something exotic. Something like Apatite, Euclase, Petalite, sulfur, you name it.... Either in the very soft category or the extra cleavable one. Silicon carbide Pellon cushions the knock when bringing the stone on lap. No use to go for finer grit silicon carbide. The facet surface finish with a 600 is quite smooth and you can go into polishing right after. 50 to 100 rpm, extra light pressure.

This is an extra 2 sintered laps plus a master lap and Pellon. Therefore with only 4 cutting laps and a Pellon you can tackle almost anything. It also saves you plenty of room around your faceter.

Cutting with dull laps or laps not fitted for your stone can turn faceting into a nightmare. Good cutting laps kept in good condition gives you real pleasure and saves a lot of time.

Alexandre Wolkonsky
7 Rue d'Orleans
F - 92210 St. Cloud
France

MEMBERSHIP INFORMATION

Please use the application blank below to join or renew your membership in the Midwest Faceters Guild. Dues are \$5.00 per year, payable for the next year beginning October 1st. Non-payment of dues by April 1st will cause your name to be dropped from the membership rolls. After Jan. 1st, a RED DOT will appear on the label of those members who have not renewed their membership.

NAME: _____ ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: (____) _____ TYPE MACHINE: _____ TEACH ? _____

New Membership _____ Renewal _____

Please mail all dues to :

William H. Gardiner
MWFG Membership Chairman
4518 Sandstone Drive
Williamston, MI 48895

SIX STAR

In response to your request for designs, the enclosed is offered for your opinion. It can be either cut as shown to include a star or a table can be substituted, leaving a small step-cut facet # 3. Either way it will produce an interesting gem. Raytracing, using Raybrite, produces the following: RI 1.54, Table Brightness 84, Average Brightness 58. For those who might like to use cubic RI 2.16, Table Brightness 87, Average Brightness 85.

Wilf Ross
Port Hope Ontario Canada

SIX STAR

Angles for RI= 1.54

43 Facets + 6 facets on the girdle = 49

6 - fold, mirror image symmetry

96 Index

L/W = 1.155 T/W = 0.329 T/L= 0.285

P/W = 0.502 C/W = 0.259

H/W = (P+C)/W+0.02 = 0.781

P/H = 0.643 C/H = 0.332

VOL./W³ = 0.288

GIRDLE

90.00	96	16	32	48	64	80
-------	----	----	----	----	----	----

PAVILION

1.	47.00	96	16	32	48	64	80
2.	41.00	8	24	40	56	72	88

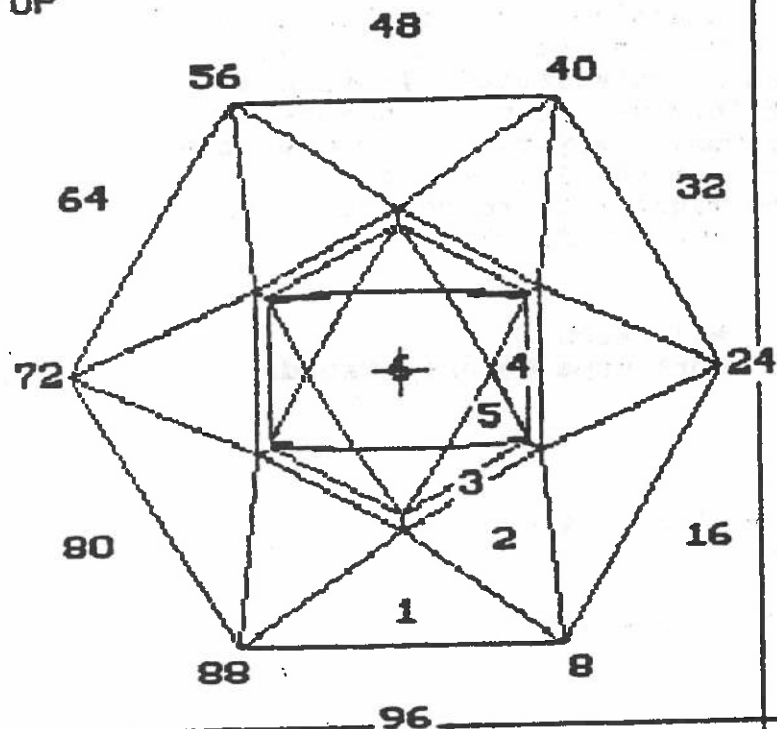
CROWN

1.	47.52	96	16	32	48	64	80
2.	35.00	8	24	40	56	72	88
3.	23.82	8	24	40	56	72	88
4.	18.00	8	24	40	56	72	88
5.	9.67	96	16	32	48	64	80
6.	0.00	TABLE					

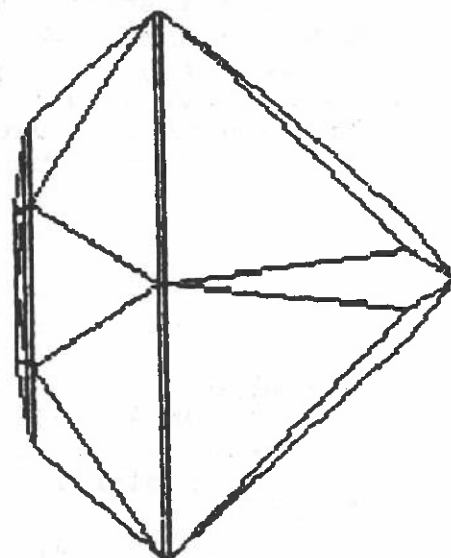
MAKE SOMEONES DAY BETTER - SHARE A SMILE !

SIX STAR

TOP



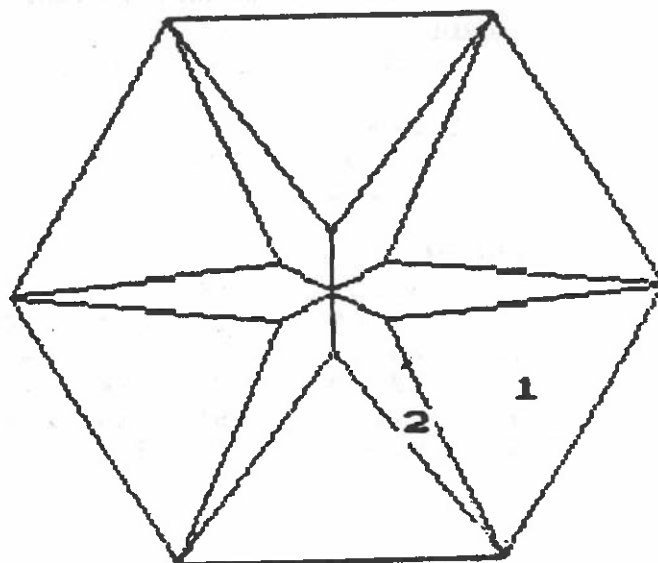
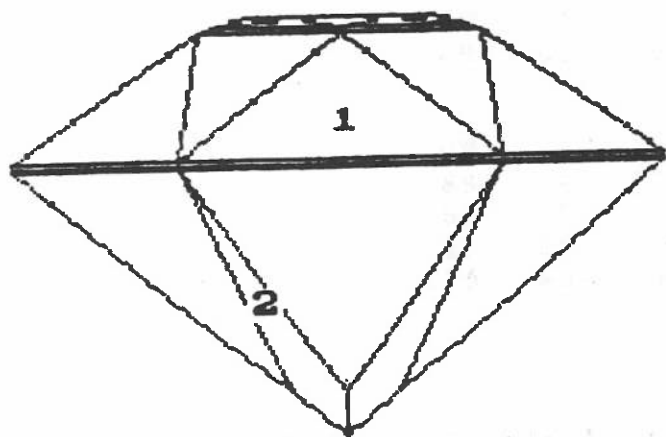
SIDE



T

C
P

END



BOTTOM

Wilf Ross
Port Hope
Ontario
Canada

COMING UP SEPTEMBER 19, 1992

**Sanford Area Chamber of Commerce Building
165 N. Saginaw Rd.
Sanford, Michigan**

10:00 a.m. to 4:00 p.m.

Faceter's Workshop

Join us for a full-day workshop with faceters from near-by communities. Bring your problems and/or solutions, your own machine, and any new or interesting patterns you would like to try. Our purpose is to create greater interest in our craft and provide fellowship among faceters. Interested non-faceters are welcome.

Six dollars (\$6.00) per participant will cover the cost of room rental and must be remitted with your registration. Fee will be refunded only in the event that the workshop is cancelled. There are several restaurants near the meeting room, or bring your own lunch.

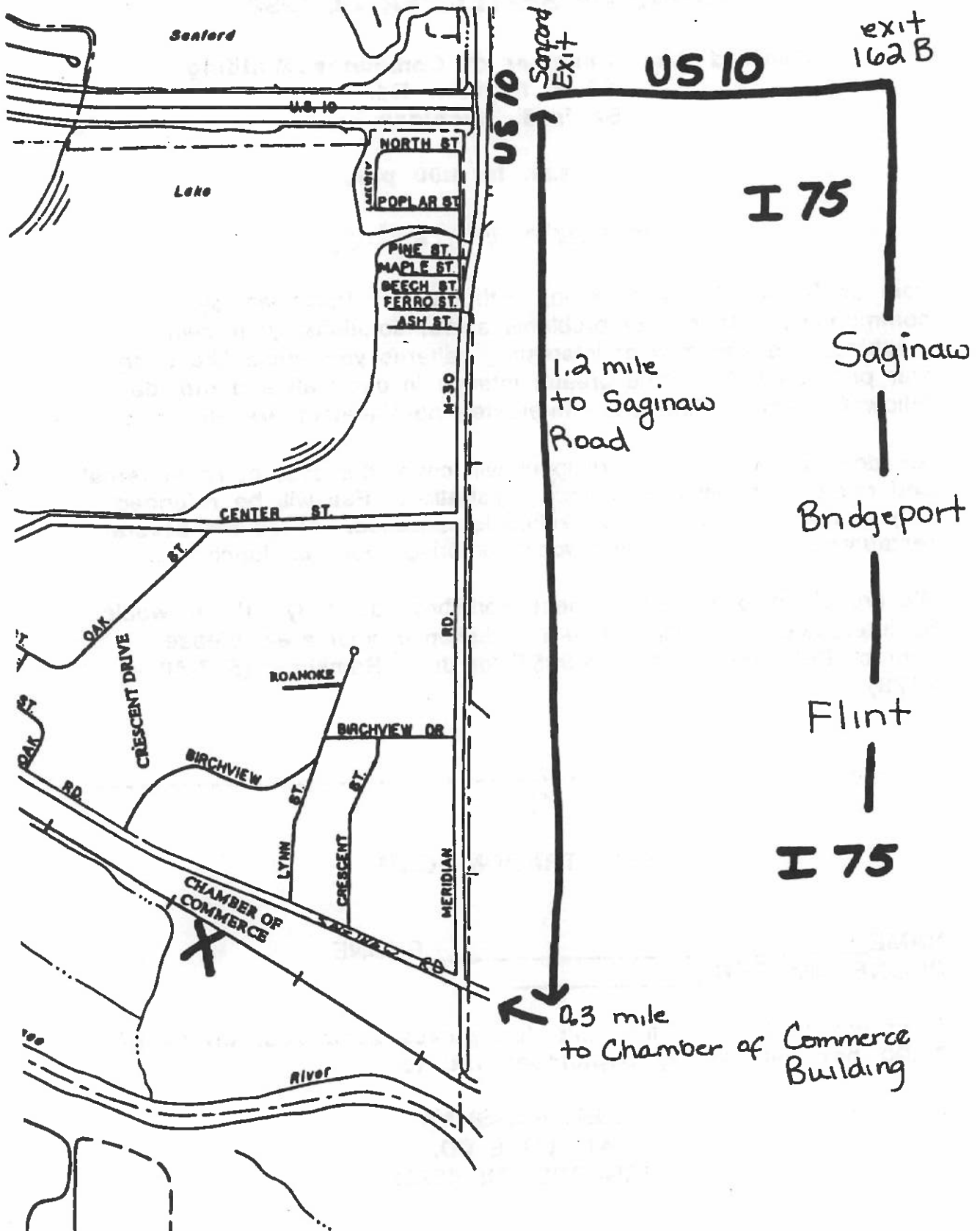
We are planning on holding these workshops quarterly. If you would be interested in hosting a future workshop in your area, please contact Deb Stutts (517-835-9257) or June Ramshaw (517-687-7478).

REGISTRATION FORM

NAME _____ PHONE _____
PHONE NUMBER _____

Since we must prepay the rental fee, please send your check of \$6.00 per person, by September 1st, to:

**JUNE RAMSHAW
417 LOVE RD.
SANFORD, MI 48657**



1992 Midwest Faceters Fair GEM and JEWELRY SHOW

hosted by the
**Midwest Faceters
Guild**

OCTOBER 30
6 p.m. - 9 p.m.

OCTOBER 31
10 a.m. - 6 p.m.

NOVEMBER 1
10 a.m. - 5 p.m.

DONATION: \$2.50 ADULT
Children under 12 FREE
with paid adult admission

MIDWEST
FACETERS
GUILD

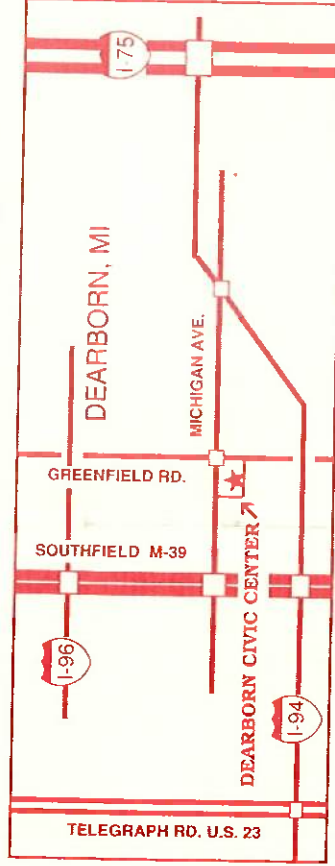
- OUTSTANDING EXHIBITS**
- **NON-COMPETITIVE DISPLAYS
IN FACETED GEMS AND
RELATED JEWELRY**
 - **RETAIL DEALERS**
 - **DEMONSTRATIONS**
 - **FACETING MACHINE EXHIBIT**
 - **SPECIAL EXHIBITS •
HOW-TO-PROGRAMS**

DEALERS

- **A & B Jewels & Tools,**
Williamston, MI
- **A & B Specialty, Co.,**
Columbus, OH
- **Acres of Gold,**
North Baltimore, OH
- **Carved Opal & Obsidian**
Madison, WI
- **Creative Gems,**
Seagoville, TX
- **Earle & Son,**
Pearland, TX
- **F & L Minerals,**
Allen Park, MI
- **Fowlers Wirewrapping,**
Goochland, VA
- **Gemstone Creations,**
Belleville, MI
- **Hillcrest Gems,**
Bloomfield Hills, MI
- **House of Williams,**
Loveland, CO
- **J. & P. Gems & Minerals,**
Germantown, MD
- **The Jewelry Depot,**
Northfield, OH
- **The Jewelry Shoppe,**
Mt. Clemens, MI
- **Mine Design,**
Clarence, NY
- **Jay Ross Minerals,**
Millington, MI
- **R & M Gems,**
Algonac, MI
- **Charles Kent Reaver**
Southfield, MI
- **Russell's Trees &
Treasures,**
North Liberty, IN
- **Silvertown,**
Cleveland, OH
- **SJ Gemstones,**
Painted Post, NY

DEARBORN CIVIC CENTER

15801 Michigan Avenue, Dearborn, Michigan 48126



PROGRAM SPEAKERS

JERRY CALL
TOURMALINE MINING

DON LICHTENFELT
THE LURE AND LORE OF BIRTHSTONES

Art Kalinski, Show Chairman • Phone: (313) 871-5610

William Horton, Exhibit Chairman
Phone: (517) 546-2159

Kathleen Myers, Co-Chairman
Phone: (517) 624-9178

Editor's Gems....

Kathleen Myers
Bill Horton

- * Those lazy, hazy days of summer seem like a joke around here so far this season. Hope each of you has found a few hours of pleasure on a cold or rainy day to polish a gemstone or two.
- * They say that time seems to fly by when you are having fun. At the rate summer is flying by we must be having a lot of fun!
- * Special Thanks to members Fred Van Sant, Elery Holt and Wilf Ross for furnishing our diagrams for this issue. These cuts will keep us out of trouble for a few hours.
- * Don Dunn of Dayton, Ohio will be with us at the August Seminar to share information he learned on Judging at the Australian - American Challenge. Don was able to attend a seminar on the Australian way of judging stones while he was there.
- * Member Charlie Moon of California is looking for a timing belt for an American Faceter. If someone knows of a source please contact Charlie.
- * The MWFG received a Special Thanks from the Lissadro Museum of Lapidary Art in Elmhurst Illinois for the donation of the CZ replicas of Famous Diamonds. The stones will be used by the museum in special exhibits after they return from the MWF/AFMS Combined show. Cutters contributing to date are: William Horton, Richard Fairless, Robert Springer, Tony West, David Miller, Elery Holt, Larry Kleindorf, Danny Joe Scott, Paul Cummings, and Art Kalinski. WOW WHAT AN HONOR ROLL - WAY TO GO GUYS!
- *Note: If you are one of the delinquents who have not finished your stone yet the museum still wants it ASAP!
- * We begin this issue a series of Cutting tidbits from Alexandre Wolkonsky of France. Special Thanks to Alex for the papers. He also sent along several diagrams to share in future issues.
- * Member Nat Cohen of Nova Scotia Canada sent along a note with an interesting question. "Do other people find faceting addictive?" Share with us your thoughts on this!
- * Included this issue is notice of a faceting seminar put on by a local group in Mid-Michigan in September - try to attend if you can - they are looking to recruit a few more folks from their area to meet on a regular basis for sharing.
- * Looking forward to the Annual Seminar - hope to see you there.
- * Plan now to Help, Show, Compete and Attend the Midwest Faceters Fair coming in October it will be GREAT!
- * Next MWFG Meeting at the City Tavern on Shafer Avenue in Dearborn, Michigan -October 25 to finalize details for the Fair.

1992-1993

July 1992

S	M	T	W	T	F	S
			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	

July

23 AFMS/MWF Combined Show Cleveland, OH

August

8 1:00pm MIDWEST FACETERS GUILD
MEETING Indiana

14 3rd ANNUAL MWFG SEMINAR

January 1993

S	M	T	W	T	F	S
					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						

August 1992

S	M	T	W	T	F	S
						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					

September

5 Toledo Gem & Mineral Show Toledo, OH
Michiana Show Michiana, Indiana

12 Toledo Gem & Mineral Show Toledo, OH

19 Eastern Federation Show Harrisburg PA

25 Livingston Show Hartland, MI

February 1993

S	M	T	W	T	F	S
		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					

October

3 1:00pm MIDWEST FACETERS GUILD
MEETING Dearborn, MI

8 Detroit Gem & Mineral Show

24 Central Michigan Show Lansing, MI

30 MIDWEST FACETERS GEM & JEWELRY
FAIR Dearborn, MI

September 1992

S	M	T	W	T	F	S
			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		

March 1993

S	M	T	W	T	F	S
		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		

November

7 California Faceters Fair Sacramento, CA

February

10 Tucson Gemorama Tucson, AZ

March

20 Spring begins

June

21 Summer begins

October 1992

S	M	T	W	T	F	S
				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

April 1993

S	M	T	W	T	F	S
					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

November 1992

S	M	T	W	T	F	S
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					

May 1993

S	M	T	W	T	F	S
						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					

December 1992

S	M	T	W	T	F	S
			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	

June 1993

S	M	T	W	T	F	S
			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		