

THE MIDWEST FACETER



VOLUME 9 NUMBER 3

MAY, 1988

AN EDUCATIONAL PUBLICATION OF THE MIDWEST FACETERS GUILD

THE MIDWEST FACETER
807 Moran
Lincoln Park, Mi.
48146

NON-PROFIT ORG
U.S. POSTAGE
PAID
TOLEDO, OHIO
PERMIT No. 300

*Dated Material
Please Deliver*

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

THE MIDWEST FACETER

AN EDUCATIONAL PUBLICATION OF THE MIDWEST FACETERS GUILD

OFFICERS:

Thomas Gibbs - President
Joseph Manina - Vice President
Frances Bush - Secretary
Elery Holt - Treasurer (419) 882-2492
William J. Horton - Past President

BOARD MEMBERS:

Frances Bush
Louis Darby
Thomas Gibbs
Elery Holt
Dorothy Loyd
Joseph Manina
Harold Rice
Donald Sahr

COMMITTEE CHAIRPERSONS:

Editor - George C. Judd - 807 Moran
Lincoln Park, MI
48146
(313) 928-5660

Education - Dorothy Loyd
Historian - Vivian Randall
Membership - William Gardiner
Special Competition - Edward Myers
Parliamentarian - Harold Rice
Rules Chairman - Ed Daniels
1989 SHOW CHAIRMAN - GEORGE C. JUDD

807 Moran
Lincoln Park, MI
48146
(313) 928-5660

Permission to copy, excerpt or reproduce material from this newsletter is freely given. Please credit the author and source. If convenient, send copy to our Editor.



SCHEDULE CHANGE

NOTE: The June meeting will be held in Saginaw in connection with the MGAGS 14th annual crackerbarrel conference and seminar. The MWFG meeting will be held on the 25th of JUNE. See flyer at end of newsletter. More details will come in next issue, along with details of demonstrations and lectures provided by MGAGS.

How to order your MIDWEST FACETERS GUILD badge:

Send exact name you wish on the Badge
Along with \$5.75 and mail to:

A- FRAME AWARDS
414 South Dort Hwy.
Flint, Michigan 48503



PHONE (313) 767-8881

\$5.75 includes shipping and handling.

MEMBERSHIP INFORMATION
for
MIDWEST FACETERS GUILD

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 Oct. 1st. Non-payment of dues by April 1st will cause your name to be dropped from the rolls. After Jan. 1st, a red mark 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 membership

While it is not mandatory, dues should be paid by check when possible and mailed to the membership chairmen at:

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



Factory, Showroom and Theater
1330 Industrial Drive
Shelby, Michigan 49455

Featuring complete educational exhibits, including a 50 seat theater with hourly shows on various Gemstone and Jewelry related topics. **FREE ADMISSION.** Also featured is a large salesroom with a complete selection of Shelby Jewelry for your buying convenience.

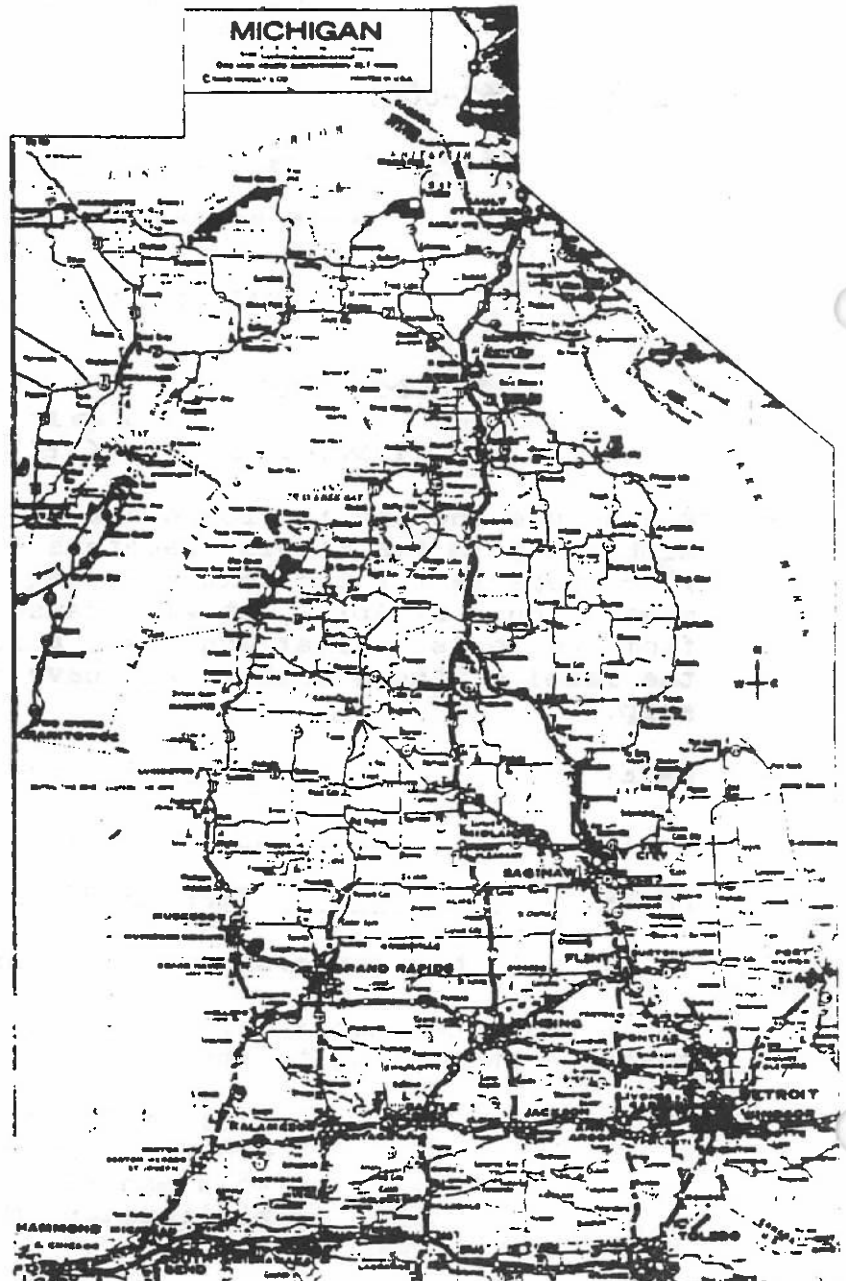
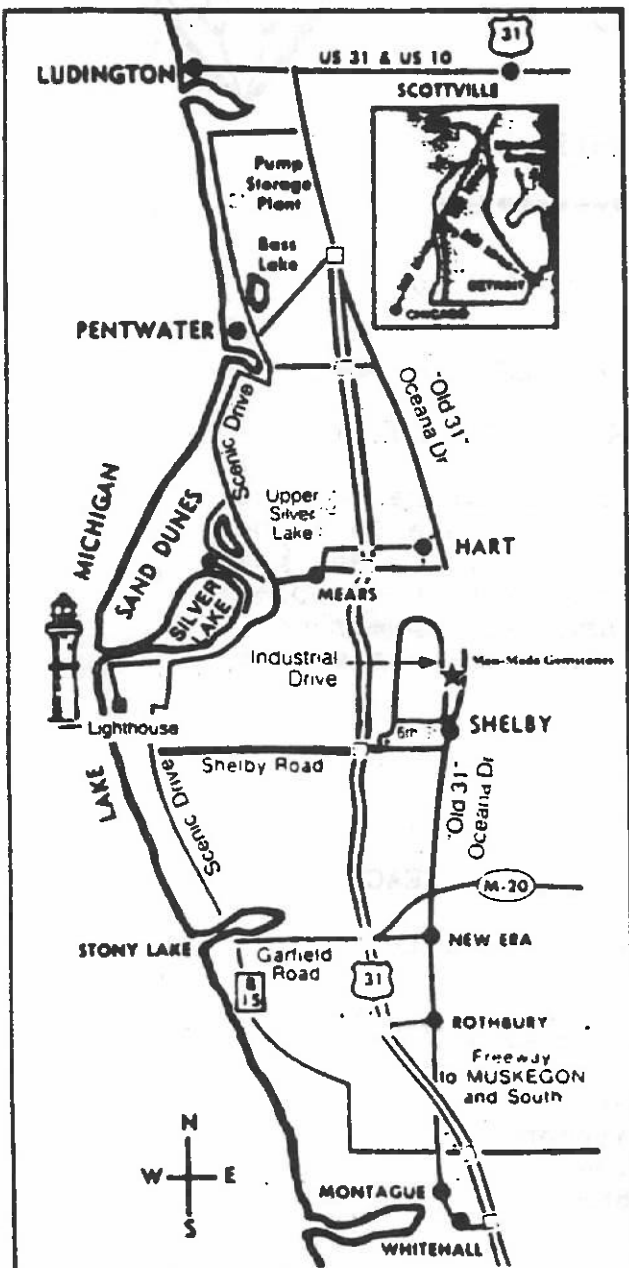
*Groups and Tours Welcome.
please call for scheduling*

Hours: Monday through Friday
9:00 a.m. to 5:30 p.m.
Saturday - 12:00 to 4:00 p.m.
Phone: 616/861-2165

Come Join Us!

Sat.

MAY, 14, 1988



ICT - FIELD TRIP

Date: May, 14, 1988

TIME: 10:30 til Noon

SUBJECT: "What's new in the Synthetic Market" by
Larry Kelly

1:00 Meeting w/Special purchases in Sales Room.

ACCOMODATIONS

Silver Lake Area:

1. Silver Sand Resort (616) 873-3769
2. Tall Timber Campgrounds (616) 873-4502
3. Flora-Del Resort (616) 873-3212

40 miles N. Muskegon on Silver Lake in Oceana County.
Going N. on US 31 Shelby Exit-Go west to end of road (about 7
miles) Turn right stay on blacktop to Silver Lake, come to
Mac Wood Dune Rides, 3½ mi. Turn Right go ½ mile on left is
500 ft. of white fenced beach, at end of fence turn right
Go one city block to office of Flora-Del Resort.

2 people to a cottage \$42-\$50.
3 or 4 to a cottage- &22/person up.

WHITE LAKE AREA:

1. Driftwood Lodge (616) 893-7035
2. White Sand Resort (616) 893-6005
3. Misalinda Beach Lodge (616) 893-1895

MUSKEGON:

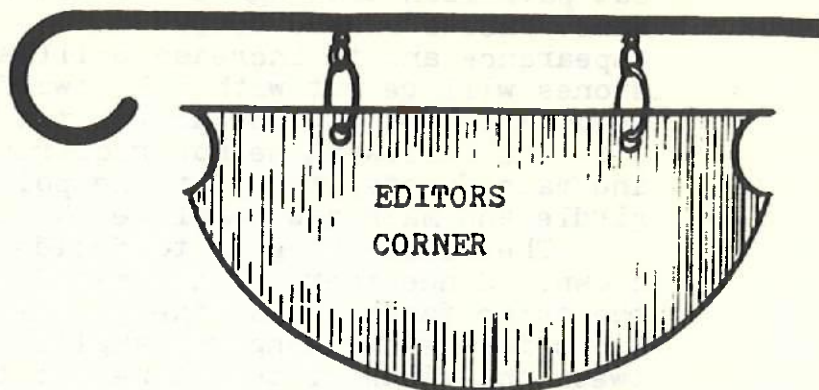
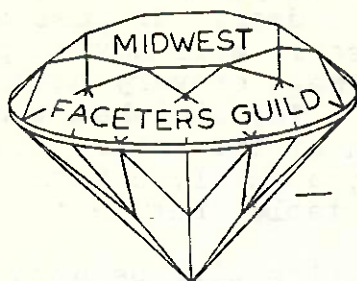
1. Holiday Inn
2. Harbor Hilton-Emerald Resort
3. Days Inn

#####

DON'T FORGET

Get your Raffle Ticket from Tom Gibbs for the Jade Mine Trip.
Take your family on a real rockhound vacation compliments of
Pollard Jade Mines of Rawlins, Wyoming. Hunt Jade, Agate, etc.
One ticket per member don't forget \$1.00 could bring you the
trip of a life time

DRAWING held at our may meeting in Shelby.



In this issue we present the second part of the article by Warren Morrison. Also there are two diagrams one from the New Mexico Faceters and one from the Texas Faceters Guild.

Don't forget that the June 25th meeting will be in Saginaw instead of Taylor. This meeting will be held in conjunction with MGAGS 14th Annual Conference & Seminar on June 25th & 26th, 1988. See flyer in back of newsletter, will try and get list of lectures etc. in the next issue of the Midwest Faceter.

HELP

We need your help! We are forming our 1989 Fair Committee and if you have had prior experience in any of the areas in show planning and show set up or various booth areas please let Tom Gibbs or myself know, We need all the help we can get in order to make this show as successful as our past ones. With our beautiful Birthstone Cases to show off we have to try harder than ever to make our Fair the success it deserves to be. Please let us know you are willing to help, let us know we can count on you. We would like to get our committees formed as soon as possible so let us know soon. I know that 1989 sounds like a long way off but it will be here before you know it. Lets be prepared.

COMING EVENTS

- April 30-May 1...Show, Kalamazoo Geological & Mineral Soc.
- May 14,Meeting, MIDWEST FACETERS GUILD..ICT Trip.see detail of trip earlier in newsletter.
- May 20-22.....Show, Midwest Mineralogical & Lap Soc.
Dearborn Civic Center,
- May 21-22.....Show, Cleveland Area Gem & Mineral Show.
- June 25.....MFG Meeting & MGAGS Seminar. Saginaw Mi.
- July 14-17,...Covention, Geodeland Earth Science Clubs, Inc.
Midwest Covention, Macomb, Illinois.

by Warren F. Morrison

EMERALD CROWNS (Part 2 of a 2 part series)

The crown of emerald cuts is similar in pattern to the step cut pavillion although it is not nearly as deep. If possible three facets should be cut on the crown so it will have a pleasing appearance and to increase brilliance. Small or very narrow stones will be cut with only two facets. The finished table is about one-half as wide as the total width of the stone. (Diagram 1)

The following method requires that you partly cut the girdle and main facets, then cut and polish the table, return to the girdle and main and complete the crown.

The first thing is to decide what angles will be used for the crown. Since there is a limited amount of space in which to place the three facets, plus the girdle, it helps to have some guide lines for determining the angles. There is a relationship between the width of the stone and the height of the amount left for the crown. This ratio is found by measuring the height of the crown area from where the pavillion girdle facet ends to the flat surface where the table will be placed. Divide this number by the stone width to get a percentage figure. (See diagram 2)

Below is a table which will give a close approximation of what the main angle will be for a crown which has a given percentage as computed above. Keep in mind that the girdle thickness must be considered.

Percent of about	0.20	Use	35°	main angle
"	"	"	0.23	" 37° " "
"	"	"	0.25	" 40° " "
"	"	"	0.30	" 43° " "

A 64 index gear is assumed. After transferring, orient the stone with the previously marked side indexed at 64. (see diagram 3)

1. Cut eight facets at 64-32-16-48-8-24-40-56 at the chosen main angle plus 15°. Cutting these facets also establishes the girdle thickness. (See diagram 4)
2. Reset machine to main angle. Cut eight facets indexing as in Step 1. Cut until these and the facets in Step 1 are of equal width. Now measure the width of the flat where the table will be. This must be less wide than one-half the stone width. If it is not, Cut deeper. (dia. 5)
3. Reset the angle as in Step 1 and prepare this facet for polishing, but do not polish. Be sure that the stone is still marked at the 64 index.
4. Cut the table until it is 55% of the stone width. Polish the table.
5. Replace stone in the machine for cutting the rest of the crown. Use the mark to set the stone as it was cut in Steps 1,2,2. Now polish the facets of step 1. (These, of course, are the ones next to the girdle). By polishing you must orient the facet exactly to where it was formerly. Cheat if necessary.
6. Examine the main facets. If necessary, cut and prepolish until they and the girdle facets are equal in width.

EMERALD CROWNS (con't)

7. The narrow (star) facets around the table are cut at 15° less than the main angle. You may wish to cut these with a prepolish lap or an extremely fine mesh lap. They are narrow and cut quickly. Watch so that you do not overcut.
8. Polish the narrow (star) facets and then the mains. Polishing the corner facets on the narrow set (8-24-40-56) is a bit tricky since their smallness contributes to overpolishing if you are not cautious.

In trying this method, the first thing is to determine the angles you will use. The table will help. Note that when the percentage derived from the table is 0.20, it is a warning that there is not a great deal of material available for cutting the crown. If less than 0.20, think about only cutting the girdle and main facets. Percentages above 0.25 mean you have much latitude in selecting crown angles.

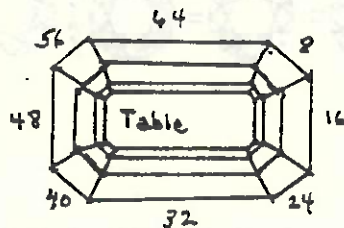


Diagram No. 1

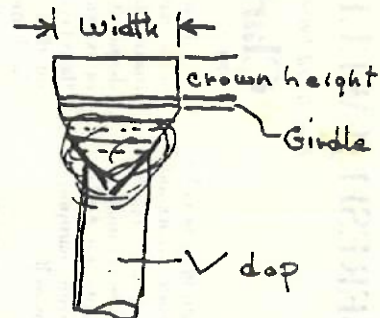
Transferred Stone

Diagram No. 2

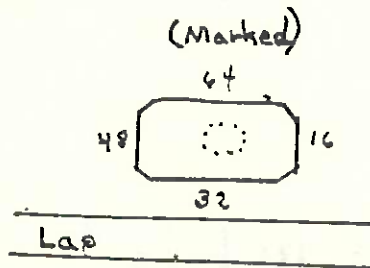


Diagram No. 3

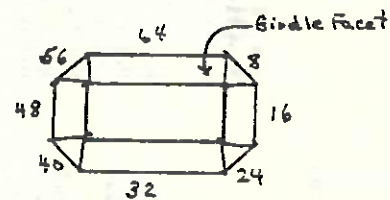
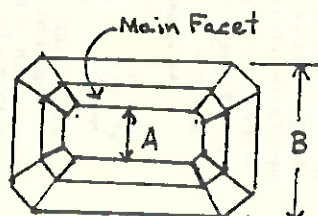


Diagram No. 4



A is less than $\frac{1}{2}$ of B
Diagram No. 5

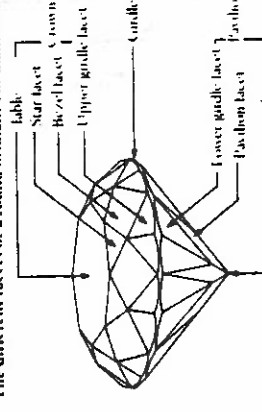
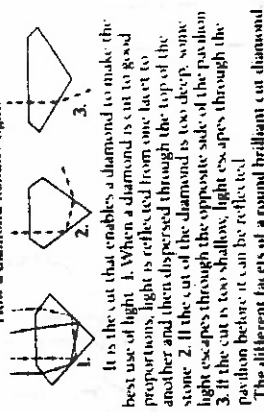
4C Four characteristics that determine the quality of a diamond.

Cut:

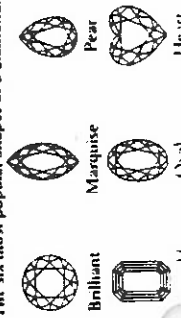
There is Cut. And then there's Cut.

Many people confuse cut with the shape of a diamond. Most diamonds are cut with a full 58 facets, and a good cut, or make, has more scintillation, more sparkle. The shape of the diamond, however, is largely a matter of personal preference and does not affect the value per se. It is the work of a master cutter that allows the diamond to be cut in such a way as to permit the maximum amount of light to be reflected through the diamond. And that's a great reflection on you.

How a diamond handles light.



The six most popular shapes of a diamond.



BERESH JEWELERS, INC.

Established 1904

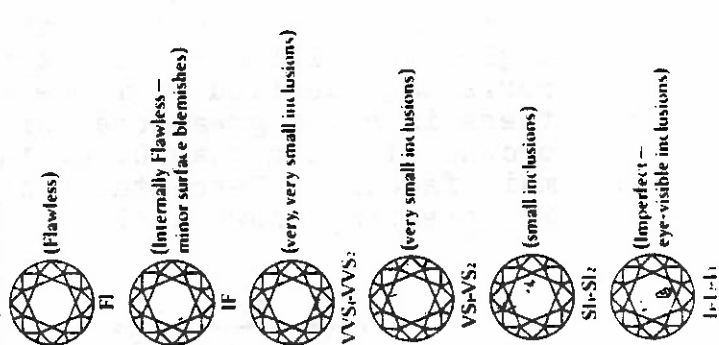
PARKLANE TOWERS • DEARBORN
 336-8110

'Use Our Easy Layaway Plan'

Clarity:

A Rarity.

Diamonds, more than any other gemstone, have the capability to produce the maximum amount of brilliance. And a diamond that is virtually free of interior or exterior inclusions (commonly called flaws) is of the highest quality, for nothing interferes with the passage of light through the diamond. To determine a diamond's clarity, it is viewed under a 10-power magnification by a trained eye. Minute inclusions neither mar its beauty nor endanger its durability. However, the clearer the diamond, the clearer your choice.



Color:

Good Color is no Color.

The best color for a diamond is no color. Because it is the totally colorless diamond that acts as a prism, allowing light to pass effortlessly through the diamond and be transformed into rainbows of color. And to give a woman the purest white diamond is to show your true colors, as well.

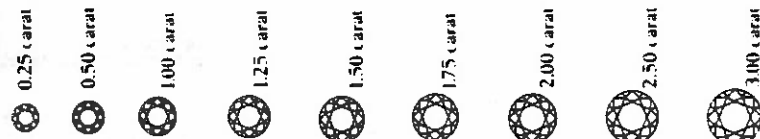
Color grading scale from totally colorless to light yellow. The differences between one grade and another are very subtle, as can be seen by the number of grades within any one category.

D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless	Colorless

Carat-Weight:

Bigger is Bigger (And not necessarily better).

This is the size of the diamond measured in carats. One carat is divided into 100 "points," so that a diamond of 75 points weighs 75 carats. Size is the most obvious factor in determining the value of a diamond. But two diamonds of equal size can have very unequal values, depending on their quality. And diamonds of high quality can be found in all size ranges.

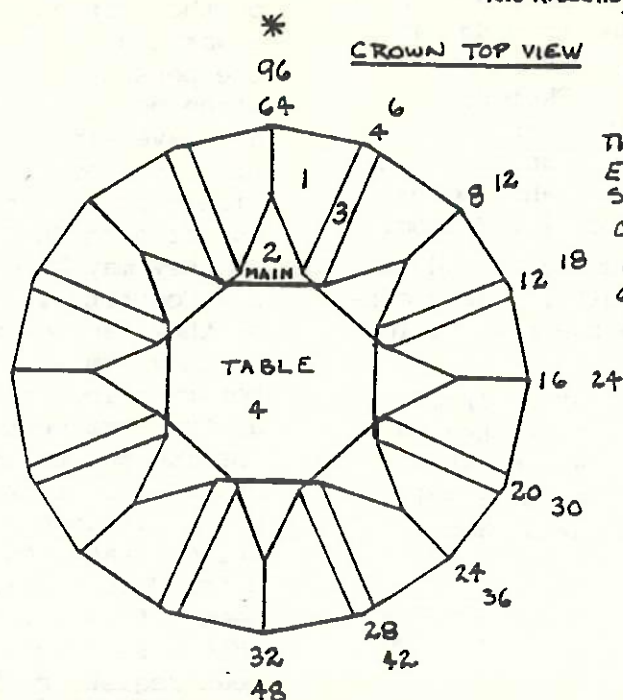


A SIMPLE, EASILY-CUT CROWN DESIGN PATTERN FOR OBTAINING
CONSIDERABLY MORE BRILLIANCE FROM ROUND RED GARNETS
(PYROPE, ALMANDINE, PYRALSPITE, AND MALAYA). (ALSO GAVE GOOD
RESULTS WITH 5-MM. GOLDEN SAPPHIRE.)

"GARNET CROWN"

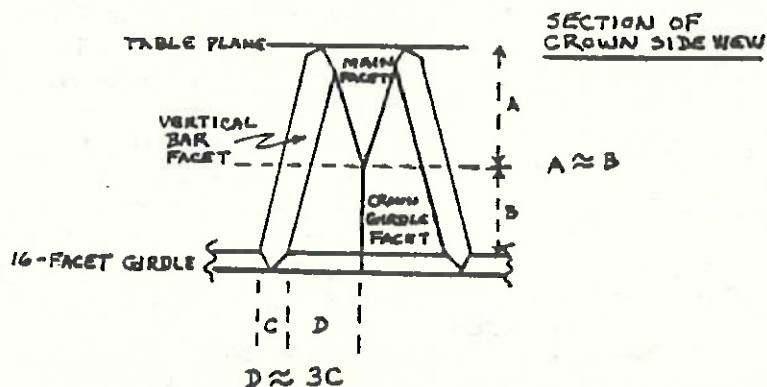
by M.A. (AL) HUEBLER, GG
Rio Rancho, New Mexico

JAN. 26, 1988



THIS PATTERN HAS
EIGHT-FOLD
SYMMETRY AND
CAN BE PRODUCED
WITH EITHER A
64 OR 96-TOOTH
INDEX GEAR.

* ORIENT CROWN TO MATCH "MAIN" FACET
GIRDLE POINT OF PAVILION.



CUTTING SEQUENCE:

1. CUT & POLISH STANDARD ROUND BRILLIANT PAVILION AND 16-FACET, POLISHED GIRDLE. PAVILION MAIN FACETS ARE CUT AT 40° .
2. TRANSFER STONE.
3. SET UP IN MACHINE FOR CROWN CUTTING (NOTE PAV. MAIN-TO-CROWN MAIN ORIENTATION, ABOVE)
 - 3.A. CUT CROWN GIRDLE FACETS (STEP 1) AT 41° .
 - 3.B. CUT CROWN MAIN FACETS (STEP 2) AT $34\frac{1}{2}^\circ$.
 - 3.C. CUT VERT. BAR FACETS (STEP 3) AT $40\frac{1}{2}^\circ$.
 - 3.D. POLISH CROWN FACETS IN REVERSE ORDER OF CUTTING.
4. CUT & POLISH TABLE AT 0° (STEP 4).

FROM: THE NEW MEXICO FACETER, Thanks

Secretary's Comments

The Board of Directors of the Midwest Faceters Guild was called to order at 10:12 A.M. on March 19, 1988 in the Royal Forke Restaurant in Okemos, Michigan. Those attending were President, Tom Gibbs, Joe Manina, Frances Bush, Elery Holt, Don Sahr, Dorothy Loyd, Harold Rice and Bill Horton.

President Gibbs announced he had selected Harold Rice to fulfill the vacancy on the Board left by the resignation of Stanley Marks.

Tom read a thank you letter from the American Gem Cutter and stated he had information on the Dearborn Show and the Field Trip to Wyoming as well as show packs from the Midwest and American Federations.

The minutes were approved through a motion made by Elery Holt and seconded by Dorothy Loyd.

Treasurer, Elery Holt reported the Guild Books have been audited and signed by Margaret and Harold Boyne of Toledo. The Treasurer's report was accepted and filed for audit through a motion made by Harold Rice and seconded by Joe Manina.

OLD BUSINESS:

The June 25th meeting of the Guild has been rescheduled and will meet in Saginaw, Michigan at the MGAGS Seminar at 1:00 in the auditorium.

The VCR and Camera Committee decided a \$10.00 deposit would be required for using the VCR tapes of Programs. The User will pay the postage and insurance and the deposit will be refunded upon the receipt of the returned tape. Bernard Bush will keep the tape and is to be contacted for use of tapes. Bill Schell purchased the microphones one lapel and one hand held.

Dorothy Loyd showed the Board members the stones purchased at the Tucson show for the Birthday Display. Included were a rare specimen of a demantoid garnet on asbestos, a faceted green zircon, a Malaya garnet, an Alexandrite, a green tsavorite,

a pink sapphire, a padparadscha, a moonstone and a pearl in a shell. The stones were selected by Dorothy and the other Guild members present at Tucson.

Bill Horton and Harold Rice reported on the meeting in Tucson to organize a National Faceting organization. Thirty-one persons, representing Eight Guilds attended. The meeting went very well and have since received several letters from interested parties. The state of Directors will be asked for a print out of each Guild and their members so they may be contacted. The Charter and Constitution will be completed so they can be mailed to each Guild so they can add, subtract or correct before being presented for approval at the next meeting which is scheduled the Tuesday before the Show in Tucson. Peter Collins of Australia has offered his assistance and will visit the United States this year. Bill Horton offered to be his Host. No name has been officially established. The FIG (Faceters International Guild) has been registered in Michigan for a period of five years. This is the organization that the Murrays, Rice and several other members tried to organize a few years ago but fell by the wayside when they became ill. Tom Gibbs suggested the name of "National Guild of Faceters" be submitted as a possible name. The Texas Guild was not represented but agreed to go along with the plans. No contacts were available from the Eastern Federation. Stones in competition at Houston scored from 82 to 97 points. Bill Horton, of the Midwest Faceters Guild was one of the judges for single stones.

The ballots for the amendment changes to the By-Laws and Constitution were counted and the results were 79 affirmative and 7 against and 3 unmarked.

The completed Show folder from the Faceters Fair was left with the Myers, but they were unable to attend the meetings so they have not been passed on to the new Show Chairman, George Judd.

NEW BUSINESS:

The past recipients of the Murray Award were asked to form a committee to select the candidates for nomination for the 1988 Award.

SECRETARY'S COMMENTS (cont'd)

Frances and Bernard Bush were selected as delegates to the 1988 Midwest Federation.

A replacement for Kathleen Myers as Rules Chairman will be requested at the Membership meeting.

Elery Holt suggested the proposed budget for the show be set up along with the actual figures spent so the figures can be compared before an actual budget is presented.

Tom is in need of dealers being suggested between now and June. A rounded balance of materials and floor location is very important to dealers.

Meeting adjourned at 11:35 A.M. for lunch.

Respectfully submitted,
Frances Bush, Secretary.

President Gibbs welcomed all those attending the March 19, 1988 Membership meeting of the Midwest Faceters Guild as he called the meeting to order in the Royal Forke Restaurant in Okemos, Michigan.

A very special "Thank You" to Joe & Alberta Manina for making the arrangements for the meeting and lunch.

The January minutes were approved as published in "The Midwest Faceter" through a motion made by Bill Bowles and seconded by Al Gair.

Treasurer, Elery Holt reported the Guild Books had been audited and signed by Margaret & Harold Boyne of Toledo. Al Gair made a motion, "to accept the Treasurer's report as read and be filed for audit". George Judd seconded the motion and it carried.

Stanley Marks resigned as a Board Member and Harold Rice was appointed by President Gibbs to fulfill the vacancy.

Up coming Shows at Mt. Clemens, April 15-16; Midwest Federation at McComb, IL, July 14-17; Flint, March 25-27; AFMS, Sheveport, LA, August 11-14th; Cincinnati, April 23-24. Volunteers are needed to maintain the booth at Cincinnati. Flyers and exhibit appli-

cations for the Dearborn Show, May 19-20 are available from Tom.

The mail-In results received concerning the amendments were 79 affirmative; 7 against and 3 unmarked. Harold Rice made a motion "The ballots be destroyed" Seconded by Ed Daniels and carried.

Please note: The June 25th meeting has been transferred to Saginaw, Michigan to allow members to attend the MGAGS Seminar classes if they so desire. Meeting will be at 1:00 P.M. on Saturday.

The Committee decided that the program tapes would be loaned out for a \$10.00 deposit and the postage is to be paid by the person or Club using it. The deposit will be returned upon receipt of the returned tape. Contact Bernard Bush - 931 Bricker Avenue - Toledo, OH 43608 (phone 419-729-3407) for use of tapes. Bill Schell purchased a set of (normal and lapel) microphones for remote pick-up.

Raffle Chairman, Bernard Bush stated commitments of door prizes are necessary so he can get the tickets printed for the 1988 Raffle to be held at the October 1st, Annual Business Meeting in Mt. Clemens, Michigan. Please let Bernie know what you are willing to donate within the next month.

Dorothy Loyd displayed the purchases made for the permanent Birthday Display and Bob Springer had the stone he had cut for the Field Museum.

Those donating stones to the display are: Joseph Scott, 2 stones; John Gansen, a pink sapphire; Tom Gibbs a Bloodstone and Bill Schell an aquamarine. Award plates will be made to designate the donor and the stone.

Bill Horton reported the meeting to organize a National Faceting organization was attended by thirty one persons from eight different guilds. (see Board Minutes for details). The ideas for the organization is to take care of the faceter by (1) form a common set of rules for judging to be used nation wide (2) to lobby and take ideas to the AFMS for consideration and (3) to bridge the gap between the Canadian

(next page please)

SECRETARY'S COMMENTS (cont'd)

and U. S. faceters. The next rewrite of the AFMS Rules will be done when enough differences are established to necessitate changes. Any materials not listed should be sent to Bill Horton. A new name submitted is Nicholite and is yellow and of gem grade.

OLD BUSINESS:

The replicas to be faceted for the Field Museum should be completed by the May meeting. Three have been. Bill Horton is faceting the one that Dave Miller was to have done. To get the table completed without scratches, Bob Springer used a lined sheet of notebook paper anchored to his ceramic lap and sprayed with 100,000 diamond and completed by hand. The stones were assigned to the faceter by their ability to complete the stone. Unfortunately some of the material has not been received by those that are to do the cutting.

NEW BUSINESS:

Frances and Bernard Bush were appointed as delegates to the Midwest Federation Convention in McComb, Illinois, July 14-17.

Kathleen Myers resigned as Rules

Chairman for our Midwest Faceters Guild and Ed Daniels has agreed to be our new Rules Chairman.

The Field Trip to Shelby, Michigan on May 14th will be a two-part-session. From 10:30 A.M. until Noon, you will view the making of Cubic Zirconia and the meeting will be at 1:00 P.M. and the Sales Room will open. It should be interesting and new to see what is new in the synthetic market and learn of future ideas. Reservations may be made in the Silver Lake or White Lake areas. Information will be in the next bulletin.

Winners of the diamond spray donated by BOB-A-LOU were B. Davidonis, Tom Gibbs and Bill Schell.

Meeting adjourned so we could enjoy the debate on "Synthetics versus Natural Stones."

Many informative points were presented by Joe Manina on Synthetics and Art Kalinski presented all the good points of selecting and faceting Natural Stones. A Question and answer session followed, bringing about information beneficial to all of us. "Thank You, Gentlemen!"

Respectfully submitted,
Frances Bush, Secretary.

NEEDED !!!!!!!
RAFFLE PRIZES FOR ANNUAL GUILD RAFFLE
OCTOBER 1, 1988 MT CLEMENTS MICH
PLEASE INFORM- BERNARD BUSH OF YOUR
COMMITMENT FOR DONATING YOUR SPECIALTY
AS A RAFFLE PRIZE
ANY HANDCRAFTED ARTICLE ACCEPTABLE
PLEASE HELP - - - - -

BERNARD BUSH
931 BRICKER AVE
TOLEDO OHIO 43608