

THE MIDWEST FACETER



March 1993
Volume 13 Number One

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THE MIDWEST FACETER
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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

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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 J. Horton 2589 N. Hughes Road Howell, MI 48843

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
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Show 1993	Don Sahr 29435 Seaway Ct. Mt. Clemens, MI 48045 (313)465-3622
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

GUILD MEETING MARCH 6, 1993

**Royal Forke Restaurant
Meridian Mall
Okemos, MI**

Board & Early Bird Meeting ... 10:00 A.M.

Lunch 11:30 a.m.

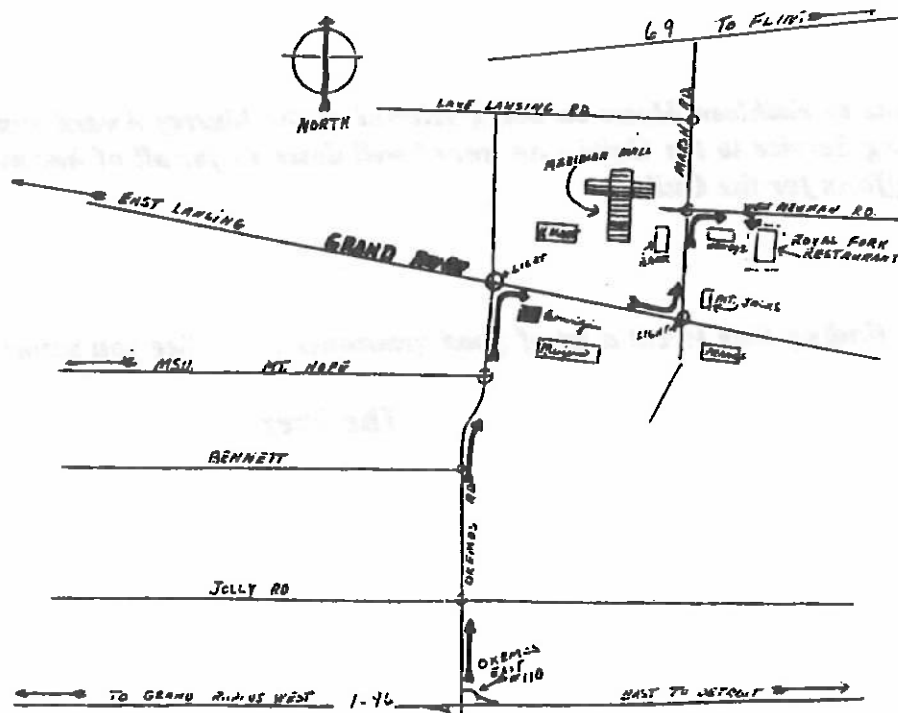
Regular Meeting & Program 1:00 P.M.

Menu:

**Zesty Barbecue Ribs
Baked Lasagna
Franks & Baked Beans in Brown Sugar Sauce
Golden Fried Chicken
Hot Corn Bread or Muffins with Honey
Soup of the Day - Chili**

Meal includes: Salad Bar, Vegetables, Whipped Potatoes & Gravy, Hot Cinnamon Rolls, Beverages, Desserts, and Sundaes.

Price: \$4.55



From the President's Quill.....

Tom Gibbs

Another SUPER Midwest Faceters Guild FACETERS FAIR GEM & JEWELRY SHOW in Dearborn ! Special THANKS go to Art Kalinski and Crew for an EXCELLENT job of bring it all together.

The BIRTHSTONE SPECIAL DISPLAY was spectacular - I hope everyone enjoyed the beautiful artistry of Dot Loyd and her helpers. This may be the very best display of its kind you will ever see at any show !

We all look forward to a great year for the Midwest Faceters Guild with excellent meetings, another great learning weekend seminar, displaying and demonstrating our wonderful craft at many shows and our own October Faceters Fair.

The success of all these events depends on each of our members taking an active role. Volunteer now to write a news tip, demonstrate, display, chair a committee, teach someone to facet, enter a contest, attend the seminar or whatever you can do to make your special contribution to the cause.

Congratulations to Kathleen Myers on being selected as the Murrey Award winner for Outstanding Service to the Guild - an award well deserved for all of her many outstanding efforts for the Guild.

Hope you are finding time to cut a lot of good gemstones..... See you soon!

The Prez

Cutting Tidbits.....

Alexandre Wolkonsky
St. Cloud, France

The 3.000 lap

Time and again I was coaxed by faceter friends into using a 3.000 US grit lap which is in the range of 6 to 8 microns diamond grit. The purpose was to prepolish hard materials such as sapphire.

I tried this with an electroplated lap, a sintered lap, a copper lap charged with 3.000 synthetic diamond grit and parafine oil with a little kerosene to mix it and spread it easier over the lap. Every time I failed. I use 6 inch laps and even with barely any pressure on the stone and extremely slow lap speed or an idle lap I most always ended up with areas of the facet having material been torn away. This ended up with rather deep recesses on the facet and extra long polishing time to get rid of them, if not having to recut all of the stone on a 1.200.

Furthermore this tearing away of material which happens when a lap produces part polish part cutting action on the facet happened also with quite a number other materials besides corundum. This included even quartz which I much regretted as sometimes quartz is quite difficult to polish and a fine-pre-polish was what I was looking for.

Therefore I question the usefulness of the 3.000 grit lap.

However in a number of instances one need an extra fine cutting lap to tackle very small facets on small stones, or small star facets. Also to obtain the best prepolish on the harder materials or on difficult ones to polish.

I have asked recently Richard Hahn of Idar Oberstein to prepare me a 6 inch 2000 sintered diamond lap. The West European standards are usually given with grit sizes in microns (A thousand microns = 1 millimeter. About 25 millimeters (mm) is close to an inch). Do not think that a lap of say 2000 grit would be made of diamond grits of identical sizes. This is never the case. A US 2000 grit would have grit sizes in the range of 7 to 15 microns. A 3000 lap from 6 to 8 microns.

I have recently tried this new 2000 lap with interesting results. Even with hard materials such as sapphire or Zirconium Oxide or Chrysoberyl, I did not notice any part of the facet being worked with torn away material and subsequent recesses. The surface of the facet is a satin finish, but not shiny as with a 3000 lap. There are variations from facet to facet according to how the facet, position sits in relation to the various axis of the crystal. This works also rather nicely with quartz, anyway with the piece of citrine I tested, as quartz is so unreliable anyway. Polishing comes quite quickly after. A facet surface finish being cut with a 1200 lap looks a lot coarser when compared with a 2000 grit finish.

I use very little pressure - perhaps a bit more with a large facet - and lap speeds between idle and 50rpm, no more. With such low speeds your lap is usually covered with plenty of water.

The 2000 lap is also interesting when you wish to prepare a large facet close to a cleavage such as Topaz for instance, should you wish to obtain the best blue colour.

Keeping polishing laps to a minimum

This may seem not as easy as to keep cutting laps to a minimum, so much having been said about so many polishing laps. However after a number of years faceting and faceting all kinds of material, I believe it could be possible to polish properly a large number of materials with a reduced number of laps. Of course some facets can suddenly become quite difficult even with very standard materials like Tourmaline. This is due to a relation of the facet plane with the various axis of the crystal. Also possibly of strains having built up in the stone during volcanism, great pressures, thermal shocks over geological times.

Tin lap

This is one of my basic laps which usually can handle most materials in the range of 4.5 to 7.5 in hardness. It needs a little preparation to reward you with both quick and fine polish. These two work together. If a polish does not come out quickly if your facet to laps contact and pressure are correct, you have all chances that the polish will be poor at the expense of considerable loss of time. So you lose on all points.

My tin lap is a little too thick, therefore too heavy. But too thin laps may not be the best as I have found that in the course of polishing the tin or tin alloy surface tends to cold flow, even sometimes build up slight ripples. This means that the tin lap surface hardens with time. It cold-draws just the same as a slab of iron when driven several times through a rolling mill, hardens into steel plate. Hardening of the tin surface comes more quickly when applying lots of pressure during polishing. Therefore medium pressure is welcomed but sometimes difficult when handling large facets such as tables or large stone facets. Yet keeping pressure to an acceptable minimum is to be kept at the back of one's mind.

When surface hardening occurs, polishing efficiency is drastically reduced. The only way out is to go to your machinist and remove a small layer of the surface tin from the lap on a lathe. At the same time this will restore a flat lap surface. So one obtains 2 good points out of one operation.

This being done, I scratch the lap surface with a hacksaw blade which I keep only for that purpose. Instead of scratching from arbor to edge I scratch laterally, turning the lap about one eighth of a turn each time. When the full lap has been scratched, I start again but scratching the other side. The grooves when completed show a pattern of small lozenges. I remove the tin shavings with a clean hand. The grooves are numerous but not very deep, therefore small facets do not catch. As they are placed obliquely and not as a radius, they tend to keep a water slurry longer. As they are not very deep, one has to rescratch the lap surface rather frequently. This is good to retard lap surface hardening.

Water slurries are with micronized alumina 1/2 or 1/4 micron (Linde A & B in the US) or cerium with the quartz group. I now add systematically a thickening agent, and wrote a separate note on that.

The polish "texture" is usually superb and with a well prepared lap having a true surface and many small scratches, the sharpness of facet edges and meets is remarkable provided little pressure had been applied. I usually finish with a very quick too and fro lateral movement to get rid of any little ripples.

For some materials which do not respond to an alumina or cerium water slurry, I use the same tin lap and coat it with 50,000 diamond oil slurry, or 50,000 diamond grit with any type of oil, preferably vegetable and not mineral as it spreads more easily due to less surface tension.

I subsequently clean the lap with tissue paper, possibly also wash it with soap and water and a clean new nail brush and start over again with water slurries. A tin lap does not heat a stone.

Ceramic lap

These seem to fall out of favor recently, but I still beleive it to be an outstanding lap for the hard materials such as corundum, zirconium oxyde, chrysoberyl and even with beryl.

The basic point is to keep it away from any contamination when handled, as once contaminated, the diamond contaminant even if it is only one piece of grit, will stay there. This is because it catches probably in the numerous tiny recesses on the lap surface left over during the sintering process of alumina during the manufacture of the lap. I keep my ceramic in a poly bag as soon as I finish with it.

These recesses are very interesting to keep the oily diamond slurry on the lap and feeding a thin tough film preventing direct contact of the facet being polished on the hard lap. This tough film does the polish.

I usually polish corundum and other hard materials on a ceramic right after final cutting on a 1200. If the stone is a large one, then finishing cutting with a 2000 leads to a faster polish.

Wax laps

I have made myself a number of wax laps having various degrees of hardness (softness) which I use for the soft to very soft materials. They are quite easy to make and inexpensive and I wrote a separate note on how to make them.

It could be possible that in the future other types of ceramic laps may come on the market which are less hard than sintered alumina ceramic therefore possibly less scratchy. I have been presented by St. Gobain a large glass products manufacturer over here, sintered silica plates which they could fashion into 6 or 8 inch laps. But the cost was too great.

An other interesting water slurry is micronized chromium oxide for the medium hard stones.

It may well be that we could handle quite a number of materials with only a reduced number of polishing laps, working only with laps surface preparation, various slurries, lap speeds and hand pressures. Maybe we have been slightly intoxicated with all types of polishing laps for special purposes.

Its the EXTRA that makes the difference in EXTRAORDINARY !

THE CUTTING EDGE.....

Ed Myers
Special Competition Chairman

The very best way to improve your cutting is to have a fellow faceter look at your gems and give you an honest opinion of your strengths and weakness. It can be your neighbor; you could arrange to mail your stones to another guild member for a look see or you could enter one or more of the many contests sponsored by our guild or another group. When your stones are returned put aside your thin skin and **REALLY LOOK** at the same stone with the comment sheets in hand and decide right then that you are going to practice, take more time, get help, change glasses or whatever it takes to improve your efforts.

The **most important** element about entering any contest is the information that you gain about your skills - sure its nice to win but remember everyone who enters is really the winner of the best prize of all - **knowledge**.

The Quest for EXCELLENCE is a lifelong process.

THANK-YOU.....THANK-YOU.....THANK-YOU..... Doris Medlin
Hospitality

Our gourmet chefs in the MWF Guild outdid themselves this year !
Our tables were overflowing with all sorts of good food, we had a whole table of desserts, the chocoholics were delighted with the cakes and cookies plus we had diabetic treats. The salads, pasta, cheese trays, veggies, spreads, sloppy joes, meatballs, kielbasa and more delights to please all who came to share our tables.

The dealers were most grateful and our own workers were happy to have a good meal without having to leave their work post for a long period of time.

To all of our supreme chefs **THANK-YOU....THANK-YOU !** This was a great group effort---- and your effort is greatly appreciated !

TAKE PRIDE IN HOW FAR YOU HAVE COME.

HAVE FAITH IN HOW FAR YOU CAN GO.

Have you paid your dues ??????

Contest Information.....



NORTHWEST INTERNATIONAL FACETERS SYMPOSIUM

Calgary, Alberta, Canada

SINGLE STONE COMPETITION INFORMATION

ELIGIBILITY: Anyone registered and in attendance at the symposium may enter. Only one of the four categories may be entered. Novice and Advanced entrants must be in attendance. Champion and Past Champion entries may be mailed in. Please make appropriate provisions for the (insured) return shipping of these entries.

NOVICE: Any faceter who has not won a first place in any beginner competition or entered in competition at a higher level.

ADVANCED: Any faceter who has not scored 90 or more points in any competition at a higher level.

CHAMPION: Any faceter who has not won a Champion or Master award previously.

PAST CHAMPION: This level is open to any faceter who has won the Champion or Master award in the past.

AWARDS: A First and Second place plaque will be awarded in each of the four categories.

JUDGING NOTES: Judges will use the diagrams of the specific cut which will be marked by the judges to show exactly what and where problem areas occur on the stone judged. On the same sheet of paper will occur the usual scoring format. Judging will be done with 10 power magnification. All judges will use the same type of magnification. A winner will be determined in each category.

TIMING REQUIREMENTS: The entry form must be received no later than May 1, 1993. Stones must be in the hands of the judging chairman no later than 5:00 p.m. on Friday, May 21, 1993. If you are not able to arrive by the 5:00 p.m. deadline, you may send your entry with someone else. All competition stones will be on exhibit in a display case for viewing and will be returned at the close of the Symposium.

PLEASE REPLY TO: R. L. Patenaude, Judging Chairman
316-5204 Dalton Drive NW, Calgary, AB, Canada T3A 3H1
Phone: 403-286-0115

SINGLE STONE COMPETITION ENTRY FORM (Please Print)

NAME _____

ADDRESS _____

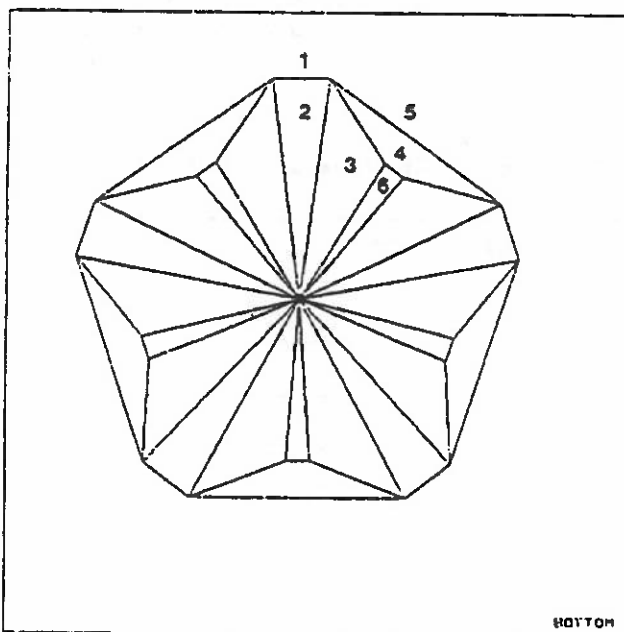
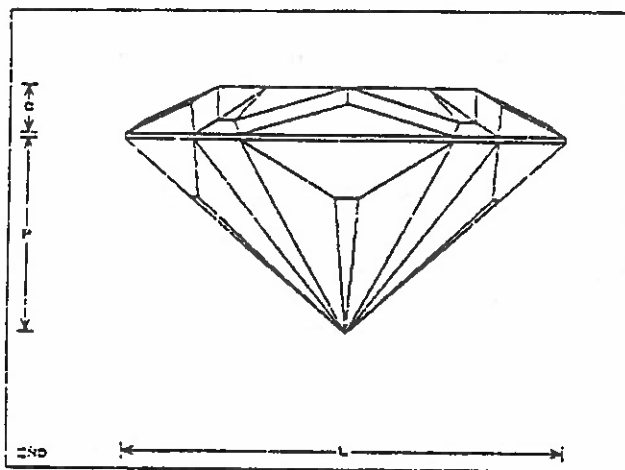
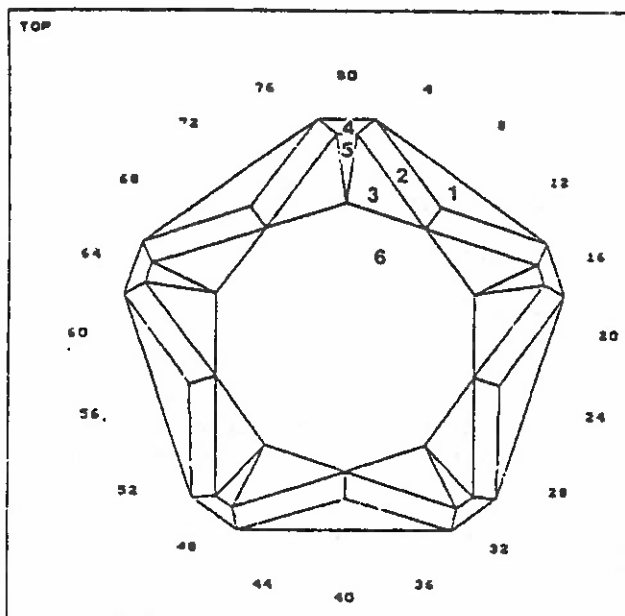
CITY _____ STATE/PROV _____ ZIP/CODE _____

GUILD/CLUB/SOCIETY _____

CLASS ENTERED: Novice _____ Advanced _____ Champion _____ Past Champion _____

I have read the competition information and agree to said provisions.

Signed _____



CALGARY STAR

By Walt Heitland

80 Index - Angles for Corundum
 71 Facets - L/W = 1.051
 Table = 65.3% of Width
 Height to Width = 59.9%
 Crown is 11.7% of Width
 Pavilion is 46.1% of Width

PAVILION:

P1	90.0	16	32	48	64	80
P2	41.0	16	32	48	64	80
P3	41.3	04	12	20	28	36
		44	52	60	68	76
P4	57.0	08	24	40	56	72
P5	90.0	08	24	40	56	72
P6	40.5	08	24	40	56	72

CROWN:

C1	44.0	08	24	40	56	72
C2	32.9	06	10	22	26	38
		42	54	58	70	74
C3	26.6	04	12	20	28	36
		44	52	60	68	76
C4	42.6	16	32	48	64	80
C5	26.5	16	32	48	64	80
C6	00.0	Table				

This is a meetpoint design.
 No comments or meet targets are
 supplied for Past Champions

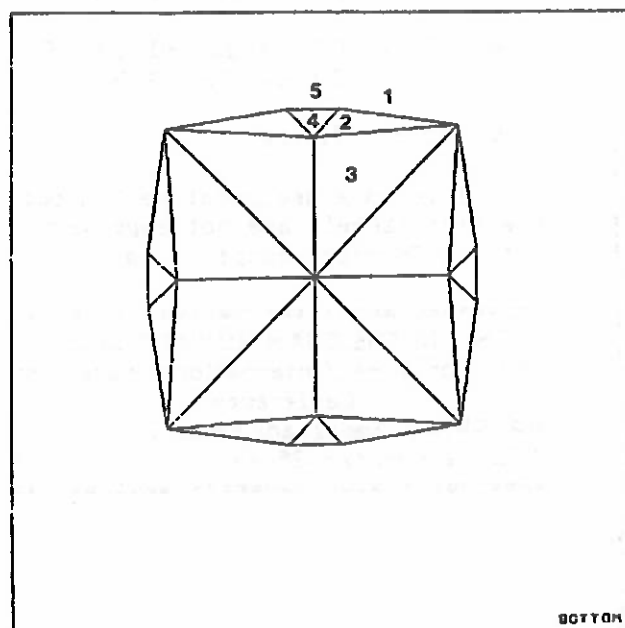
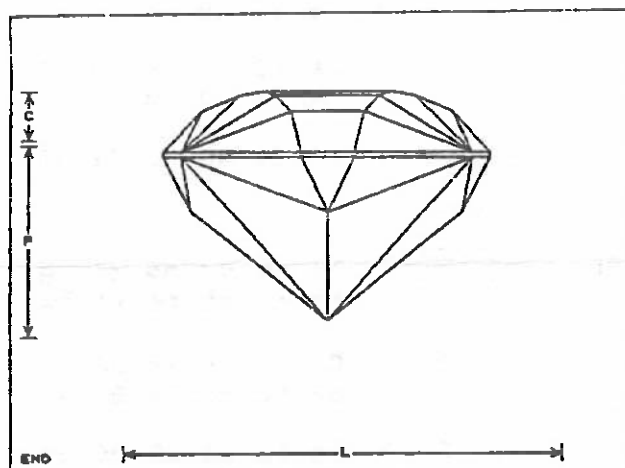
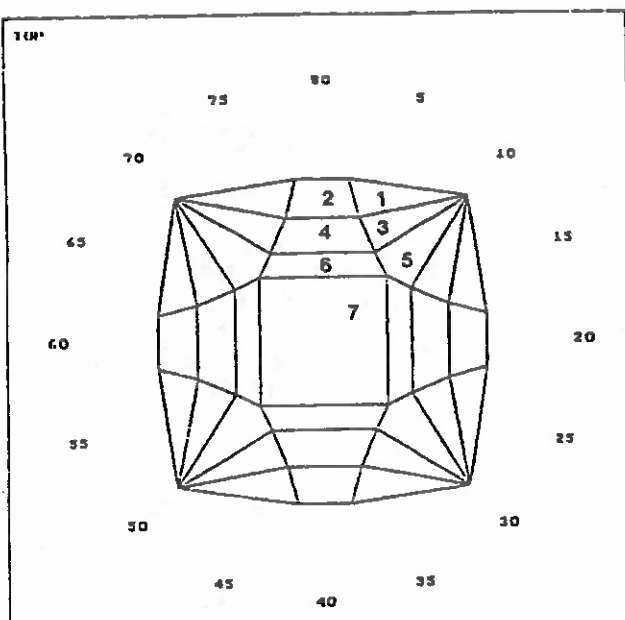
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THIS IS THE PAST CHAMPION CUT of
 the 1993 Northwest/International
 Faceters' Conference.

MATERIAL: Syn. Corundum, any
 colour.

SIZE: 10 m.m. (flat to flat)

=====



QUADRA FAN

By Walt Heitland

80 Index - Angles for Spinel

65 Facets - L/W = 1.00

Table = 39.2% of Width

Height to Width = 70.3%

Crown is 18.1% of Width

Pavilion is 50.3% of Width

PAVILION:

P1 90.0 02 18 22 38 42 58 62 78

P2 60.0 02 18 22 38 42 58 62 78

P3 41.0 05 15 25 35 45 55 65 75

P4 62.9 20 40 60 80

CROWN:

C1 47.2 02 18 22 38 42 58 62 78

C2 45.5 20 40 60 80

C3 30.6 06 14 26 34 46 54 66 74

C4 22.7 20 40 60 80

C5 27.4 10 30 50 70

C6 10.0 20 40 60 80

C7 00.0 Table

Cut pavilion first. By following the pavilion order, P5 will end up with correct width at girdle.

C6 at 10 degrees help to supplement the small 39% table.

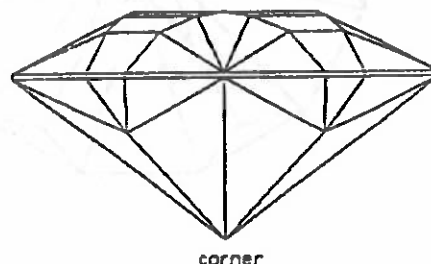
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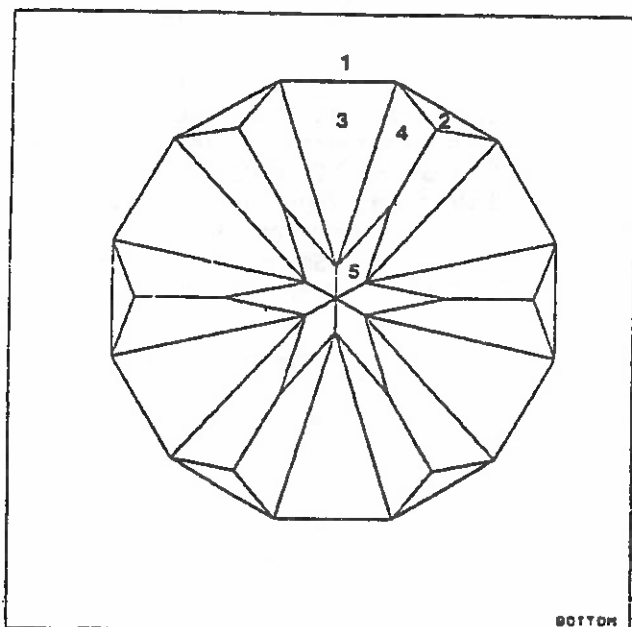
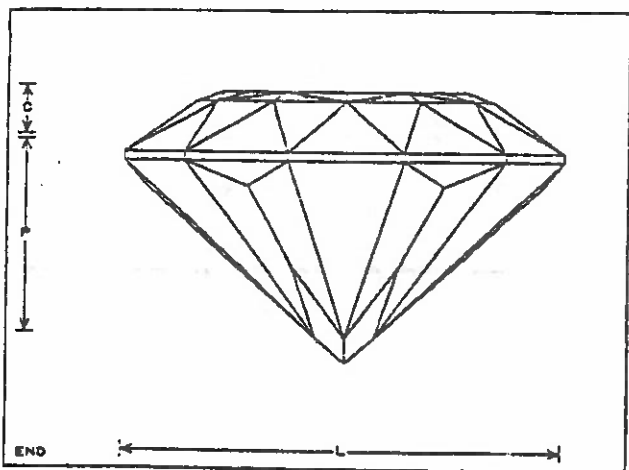
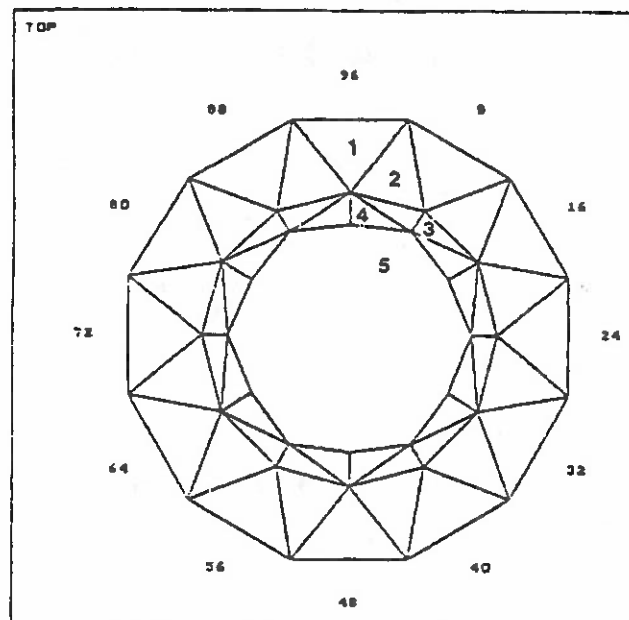
THIS IS THE ADVANCED CUT of the 1993 Northwest/International Faceters' Conference.

MATERIAL: Syn. Spinel. any colour.

SIZE: 12mm +/- .5 (corner to corner)

=====





CHINOOK

By Walt Heitland

96 Index - Angles for Topaz
 91 Facets - L/W = 1.00
 Table = 55.7% of Width
 Height to Width = 61.4%
 Crown is 13.8% of Width
 Pavilion is 45.6% of Width

PAVILION:

P1	90.0	08 16 24 32 40 48	56 64 72 80 88 96
P2	50.5	08 24 40 56 72 88	
P3	43.3	16 32 48 64 80 96	
P4	42.0	06 10 22 26 38 42	54 58 70 74 86 90
P5	41.0	08 24 40 56 72 88	

CROWN:

C1	35.8	08 16 24 32 40 48	56 64 72 80 88 96
C2	31.4	04 12 20 28 36 44	52 60 68 76 84 92
C3	20.0	04 12 20 28 36 44	52 60 68 76 84 92
C4	15.0	02 14 18 30 34 46	50 62 66 78 82 94
C5	00.0	Table	

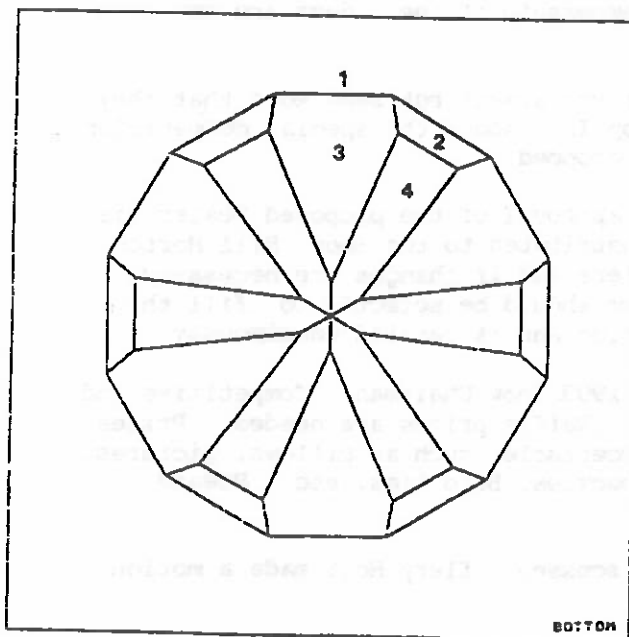
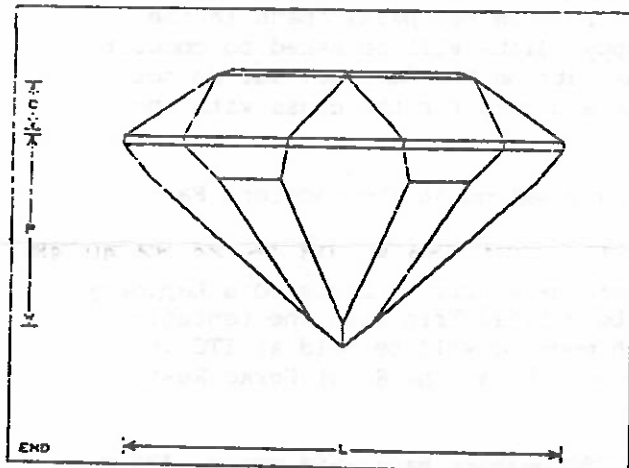
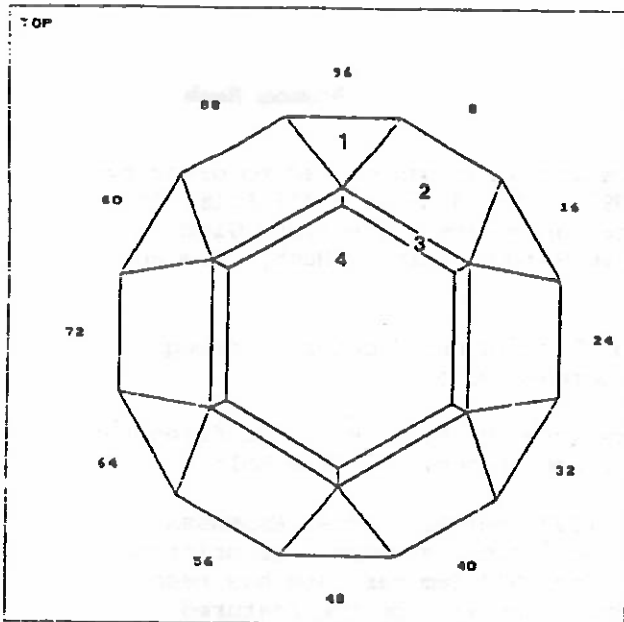
This is a meetpoint design but the meet targets are not supplied for the Champion competitors.

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THIS IS THE CHAMPION CUT of the
 1993 Northwest/International Faceters'
 Conference.

MATERIAL: Topaz, any colour.
 SIZE: 12 m.m. +/- .25 mm

=====



DART

By Bill Stanoyev

96 Index - Angles for Quartz
 49 Facets - L/W = 1.00
 Table = 60% of Width
 Height to Width = 63.2%
 Crown is 15.6% of Width
 Pavilion is 45.6% of Width

PAVILION:

P1	90.0	08 16 24 32 40 48	56 64 72 80 88 96
P2	50.6	08 24 40 56 72 88	
P3	43.3	16 32 48 64 80 96	
P4	41.0	08 24 40 56 72 88	

CROWN:

C1	42.0	16 32 48 64 80 96
C2	35.0	08 24 40 56 72 88
C3	20.0	08 24 40 56 72 88
C4	00.0	Table

Two groups are indeterminate (have no meetpoints) and must be put in by eye. Symmetry will be very important. Cut pavilion 1st.

=====

THIS IS THE NOVICE CUT of the 1993 Northwest/International Faceters' Conference.

MATERIAL: Quartz, any colour.
 SIZE: 10 m.m. +/- .5 mm

=====

1st PUBLISHED IN FACETS, JULY '86 FOR 72 INDEX
 GEAR AND HIGH R.I. MATERIALS. RECALCULATED 6/'92.

Secretary's Minutes.....

Frances Bush

The Board of Directors of the Midwest Faceters Guild was called to order by President, Thomas Gibbs on December 5, 1992 at 10:23 AM in H J'S Prime Cut Restaurant in Toledo, Ohio. Those in attendance were: President Gibbs, Donald Sahr, Elery Holt, Frances Bush, William Horton, Bernard Bush, Jane Holt, Gail Sahr and Dianne Tourville.

The minutes were approved as published in "The Midwest Faceter", through a motion made by Gail Sahr and seconded by Bernard Bush.

The Treasurer's report was accepted as presented by Elery Holt and filed for audit through a motion made by Donald Sahr and seconded by Jane Holt.

Bill Horton presented a statement for the 1992 Seminar. Total Expenses were \$3,129.43 and Income was \$3,320.00. Additional expenses for printing and mailing left a net profit of \$71.91. The 1993 Seminar date has been changed to August 6th, 7th and 8th. Arthur Grant will be the featured speaker on "Cutting and Polishing Soft Stones." Robert Strickland will be invited to come in on Wednesday so the Instructors may participate in the Computer Course on Thursday. Elspeth (Happy) Gibbs will be asked to conduct a bead stringing class for the spouses that attend the Seminar, but do not Facet. "Happy" will furnish all materials and kits for the class with the price set in accordance to expenses.

Records showed an attendance of 1237 paid admissions at the Faceters Fair.

COMMITTEE REPORTS:

Educational Chairman, Bernard Bush will arrange a trip to Lizzadro's Lapidary Museum in Elmhurst, Illinois. This will be a Field Trip with the tentative date of July 10th & 11th.. The April 24th meeting will be held at ITC in Shelby, Michigan. The March 6th Meeting will be at the Royal Forke Restaurant in Okemos (Lansing) Michigan.

Membership Chairman, Bill Horton reported 280 Members have paid their 1993 Dues. Unpaid Members will be dropped from the Membership if their dues are not paid after the next bulletin is received.

Special Competition chairman, Edward Myers was absent but sent word that they have had no further communication with Tripp Inc. about the special competition they were to sponsor, so the idea will be dropped.

Show Dealer Chairman, Tom Gibbs asked for approval of the proposed Dealer list. After a long discussion of what dealers contributed to the Show, Bill Horton made a motion, "To accept the list of dealers and if changes are necessary, Tom should use his own judgement as to whom should be selected to fill the vacancies." Bernard Bush seconded the motion and it carried unanimously.

President Gibbs appointed Don Sahr as the 1993 Show Chairman. Competitive and Non-Competitive Exhibits will be accepted. Raffle prizes are needed. Prizes need not be jewelry. Any craft item is acceptable, such as pillows, pictures, afgans, carvings, gem trees, beads, belt buckles, Bolo ties, etc. Please make your commitments now.

Ways of increasing our Scholarship were discussed. Elery Holt made a motion

Minutes continued.....

"That 10% of the 1992 Show Profit go into the Scholarship Fund and the remainder go into the General Fund." Motion was seconded by Bernard Bush and carried unanimously.

Meeting adjourned at 11:59 AM.

Respectfully submitted, Frances Bush, Secretary.

The Membership Meeting of the Midwest Faceters Guild was called to order by President Thomas Gibbs on December 5, 1992 at 1:40 PM in H J'S Prime Cut Restaurant in Toledo, Ohio.

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

The Treasurer's report was accepted as read by Elery Holt and filed for audit through a motion made by Dianne Tourville and seconded by Jean Cincoski.

The Midwest Federation Newsletter was available for anyone interested in reading it.

Membership Chairman, Bill Horton reported we have 505 on the mailing list. Forty-eight are Exchange Bulletins and five are complimentary issue going to the Federation staff. A total of 179 are unpaid and 273 have paid their 1993 dues. Unpaid members will be dropped after the next bulletin.

Educational Chairman, Bernrd Bush is arrangeing a Field Trip to Lizzadro's. The April Meeting is at ITC in Shelby, Michigan on the 24th. The March 6th meeting is at the Royal Forke Restaurant in Lansing, Michigan.

Congratulations and many thanks to our 1993 Show Chairman, Don Sahr. Please do your best to support him if you are approached to work at the Show. Don is asking every Chairman to continue their jobs for the 1993 Show. Start preparing your exhibits now so you will be ready at show time. Please make your commitments to exhibit early, if your exhibit is competitive or Non-Competitive it would be very nice if the Chairmen knew how much space to allow for exhibits. Empty tables are not pretty to look at and neither is a crowded-in display area. Of course crowded tables are more attractive than empty tables. A Special Bulletin will be published for Competition. An application will be included. If a case is needed please indicate it on your application form when returning it. Raffle prizes are needed.

Our First Life-Time Membership was presented to John Gansen in appreciation for all he contributed to the Club. Cngratulations and many thanks for supplying all our electrical hook-ups for our Shows and Transporting our cases all these years.

Presidnt Gibbs informed the Membership of the Board approval of donating to our Scholarship Fund. Bernard Bush made a motion, "That 10% of the profits from the 1992 Show be transferred to the Scholarship Fund." Motion was seconded by Bob Werner and carried. It was suggested that in the future a cap be put on the Guild's Funds and the rest would go into the Scholarship Fund. No action was taken on the idea..

Bill Horton reported a profit of \$71.91 on the 1992 Seminar. The date for the

Minutes continued.....

1993 Seminar is August 6th through the 8th to accomodate Arthur Grant as a featured speaker on "Cutting Soft Stones". The Hartland High School has been reserved. Robert Strickland will arrive on Wednesday so the Instructors will be able to have Thursday on the Computers. An additional Class will be added for those attending that do not Facet. "Happy" Gibbs will supply materials and instruct a class in Bead Stringing. A jam Peg Class may be added if Jerry Wykoff is available. Long & Steel Data Base configuration that will give 2,500 diagrams for \$25.00, and will be on a 17 m g Harddrive.

Competition Chairman, Ed Myers; Editor, Kathleen Myers; Historian, June Ramshaw; Hospitality Chairman, Doris Medlen; Librarian, Debra Stutts; Parlimentarian, Harold Rice and the 1992 Show Chairman, Art Kalinski were all absent - no reports.

No New Business.

Meeting adjourned at 2:25 PM and was followed by a very interesting program on "Rose Cuts" as presented by James Schlottman. Many Thanks, Jim.

Respectfully submitted,
Frances Bush, Secretary.

Seminar Notes.....

Kathleen Myers

We are very happy to announce that our main speaker for the Fourth Annual Seminar will be Arthur Grant of Hannibal, New York. Art has devoted the majority of his faceting career to cutting large soft gemstones, especially "the impossible variety". Art is planning on teaching a class at the seminar on the use of the wax lap. For our Friday evening Keynote session Art will talk about the methods and laps that can be used with various soft materials.

Mark your calendar now for August 6, 7 & 8 and plan to join us for FACETING-FACTS-- FRIENDS ---FUN SEMINAR '93.

From My View.....

*Nathaniel Cohen
Dartmouth, Nova Scotia*

During the last Seminar someone brought in a Jemeter Digital 80 refractometer. A number of us were very interested in this instrument, as I recall Gerry Capps, Wilf Ross, Bill Schell, and myself. I particularly remember Bill saying "That he would like to get a peek inside, as he was quite sure it was not that complicated". I also remember we were quite impressed with it's performance when we tried a stone, it read out the refractive index on the liquid crystal display, with authority. I have the G.I.A. Snell type refractometer, and most of the time I find it to be a bit tricky to get a positive reading; I do get one but not with the ease the Jemeter does it. I've also tried the Rayner, this is a little easier to read, but again doesn't equal the Jemeter, so when I saw an advertisement in November issue of Lapidary Journal offering this instrument for what seemed to be a reasonable price compared with what I had seen previously, I ordered one from the advertiser. Now for those of you who remember me at the Seminar, I would agree if you suggest that I tend to be a little inquisitive, so I thought maybe I could answer Bill's curiosity as to what is inside the thing, in any case the instructions said to remove the back of the case in order to replace the battery, so doing so was certainly not going to void their warranty. Unfortunately, going any further would, as the manufacturer had soldered four spots to the board which preclude lifting it off without unsoldering those contacts, however enough could be gleaned from the back of the board, and the description of it's operation from the instruction book to realize that this was not a refractometer in the sense that light entered the stone, and one read the change of angle of exit, as one does in the Snell. Moreover the main requirement for using this instrument was the best polish which had to be scrupulously clean, in order to get a reading, they even furnish a nice little piece of chamois leather for the purpose.

Later I just happened to be reading through some old G.I.A. Journals, when lo, and behold me instrument was described, particularly in the last paragraph. The Jemeter appears to use an infra-red light emitting diode for the light source, and one integrated circuit, in addition to the L.C.D. chip. I thought this might be of sufficient interest to members to share with. My conclusion. If you already have a G.I.A. refractometer, in good condition, don't bother. It may be more difficult to read, and may not read to the third decimal place, but it is more versatile. The claim to fame of the Jemeter is that one can read diamonds and cubic zirconia, but there are better methods of distinguishing between these two, and in trying both I got a whole slew of readings from each. To be fair, the instructions do point out that at least three readings need to be taken at different positions of rotation and the results averaged. True also that you don't need that awful expensive methylene iodide. On the other hand the G.I.A. and Rayner refractometers are now frightfully costly, especially here in Canada; far more than they are really worth, considering how they are made, and 1.8 is their upper limit of reading, also the glass hemisphere is very prone to damage unless they are used with great care. At one time someone did advertise a refractometer with a hemisphere made of cubic zirconia. This would be more durable, and offer a higher R.I. limit. I suppose if you always know the R.I. of the material you are going to facet then a refractometer is a bit of an unnecessary luxury. I was lucky, I got my testing set fairly cheaply secondhand, and I have found it to be very useful by times.

In the meantime I am having a lot of fun going through the exercises in the book handed out at the last Seminar, and look forward to 1993 Seminar to progress further, and getting together with good friends again.

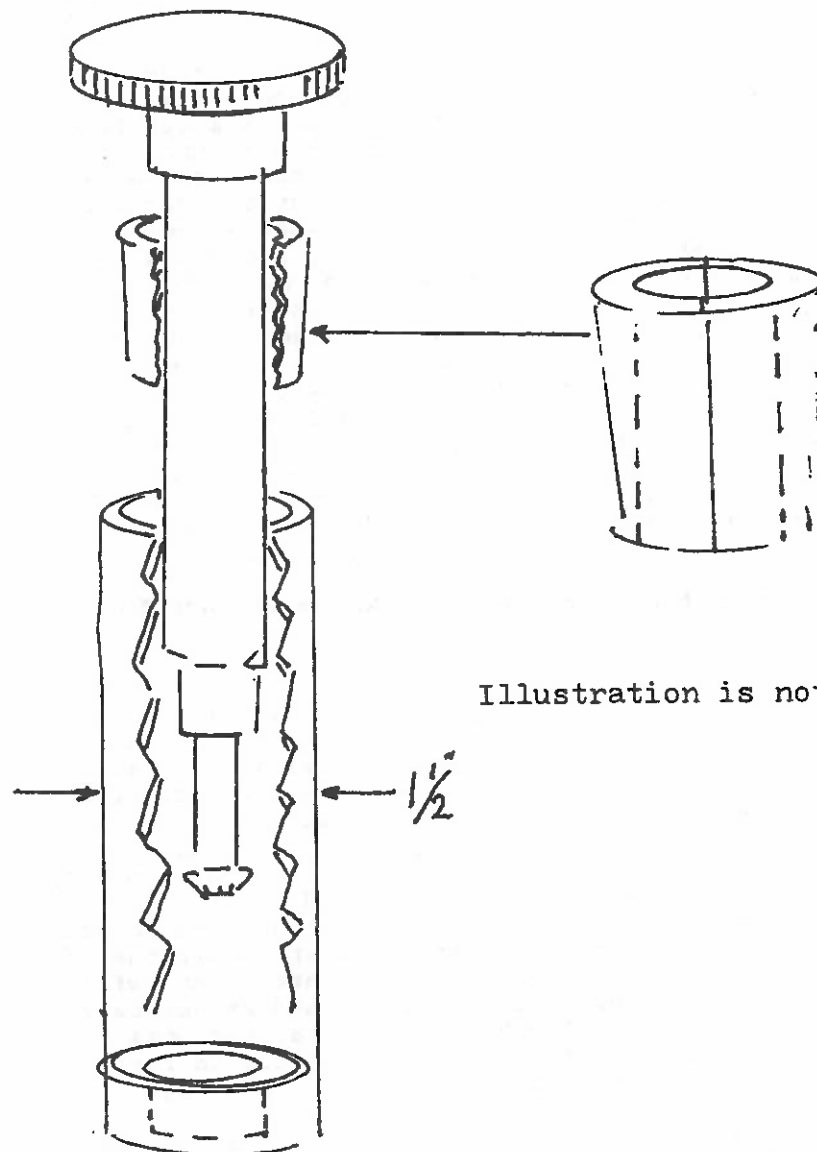
THAT LITTLE SOMETHING EXTRA.....

Illustration is not to scale

Handy carrying case for Sapphire quill or hand piece. Stiff mailing tube cut to convenient length (from the post office) if you do not have one somewhere. Two Thermos corks. One of which is drilled out—a 3/4" spade bit works very well. A slice from the large end of the other cork with a shallow pocket glued into the end. Pressure will hold the two halves in place.

EDITOR'S GEMS**Kathleen Myers
Bill Horton**

* From here it seems as though it has been winter " forever " already ... but just today the sun has been out long enough to give us a glimmer of better days ahead. I hope that where ever you are spending the winter you have sunshine to warm you, beautiful gems to warm your soul and the smiles of friends to warm your heart what more could one ask !?!

* Our best wishes go out to Clarence Morgan (of the famous Hazel & Clarence Morgan, Annual Seminar Teachers Extraordinaire Team) for a speedy recovery from a heart attack while wintering in Arizona. Sorry we do not have a winter address but I believe the family is forwarding mail from their home if you would like to send a card.

* We were both honored and very flattered to be selected as as the winner of the National Newsletter Award by the American Society of Gemcutters - we shall continue to strive to give your the very latest and greatest news about our wonderful hobby.

* It is really not too early to be getting your stones cut for the October Faceters Fair and these lazy winter days make a great time to give the old showcase a fresh coat of finish and a new lining.

* Thanks go out to Nat Cohen from Nova Scotia for the information about the refractometer and to Alex Wolkonsky from France for the lap articles... I am sure you will find it useful.

* Remember we are ALWAYS in the market to hear news, tips, hints, dos, don'ts or whatevers from all of you - together we are all stronger than any one of us alone.

* Thanks also to the Calgary and the Northwest Faceters groups for the new diagrams included this issue - why not consider entering - you never know how much you may learn !

* Hope to see all of you at the next meetings and at the Annual Seminar in August - Hartland is still talking about the Moose Goosers !

**THE
ROAD to SUCCESS
is
PAVED with the WILL
to
NEVER STOP LEARNING.**

1993

Yearly Planner

March

6

MIDWEST FACETERS GUILD
MEETING

Early Bird Meeting 10:00 a.m. Regular Meeting 1:00 p.m.

April

24

MWFG MEETING SHELBY, MI
1:00 P.M.

Visit the ITC plant & see how CZ and other gems are made!

June

19

MWFG MEETING - INDIANA 1:
P.M.

Early Bird Meeting 10:00 a.m. Plans underway for another great gathering of faceters.

August

7

4TH ANNUAL SEMINAR HART-
LAND, MIFeatured Speaker: Art Grant Cutting
Soft Gems

October

2

MWFG MEETING DEARBORN,
MI 1:00 P.M.

Election of Officers for 1994

July						
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August						
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Change someone's life forever --- teach them to facet.

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QUESTIONNAIRE FOR
FIELD TRIP TO LIZZADRO'S LAPIDARY MUSEUM OF ARTS
ELMHURST , ILLINOIS

- ☐ I/WE are not interested in participating.
- ☐ I/WE will meet the bus at a pick-up-point for transportation at _____
- ☐ We will furnish our own transportation
- ☐ I/WE will need one night hotel accomodations.
- ☐ Single ☐ Double Occupancy
- ☐ I/WE prefer meals on our own
- ☐ I/WE prefer meals included in price of trip.
- ☐ I/WE would prefer a one day trip to Lizzadro's only.
- ☐ I/WE would prefer a two-day-trip and include the "Field Muesum".

PICK-UP-POINTS FOR THE BUS WOULD BE IN TOLEDO, DEARBORN AND POSSIBLY MICHIGAN CITY, INDIANA or OTHERS SUGGESTED (if there are enough passengers to make it worthwhile.).

BUS WILL TRANSPORT US DIRECTLY TO MUSEUMS, HOTEL AND RESTAURANTS.

Based on thirty people the estimated cost is \$98.00 per person for two days and includes transportation, tax, insurance and hotel. Meals are extra or can be included for an increased amount. Buses hold 47 passengers and will be cheaper if all seats are reserved.

COMMITMENTS ARE ABSOLUTELY NECESSARY TO MAKE ARRANGEMENTS FOR HOTEL, MEALS AND PICK-UP-POINTS. DEPOSIT will be REQUIRED WHEN MAKING RESERVATIONS. Mcre information will come after the Questionnaires are returned and we are sure you really want to attend.

TENTATIVE DATES ARE JULY 10 and 11th.

PLEASE SIGN AND RETURN TO

Bernard Bush, Program Chairman
931 Bricker Ave.
Toledo, Ohio 43608

PLEASE ADD YOUR REMARKS OR SUGGESTIONS AS THIS IS YOUR FIELD TRIP:

