

THE MIDWEST FACETER

A PUBLICATION OF THE MIDWEST FACETERS' GUILD

NOVEMBER/DECEMBER 2013

FROM THE PRESIDENT

Another year has gone by for the Midwest Faceters Guild. Changes have been made throughout the year with our President Linda Badger having to quit due to her change of job and with that I would like to thank Linda for her leadership and willingness to be our President. Linda also stepped in and helped out with becoming Editor for us plus maintaining a website. Thank you Linda for all that you have done for the Guild. We appreciate all the years you have given to the Guild.

Virginia Steele as Vice President took over for the Guild when Linda resigned I would like to thank Virginia for all her work and traveling time she has donated to the guild.

For the new, upcoming year of 2014, I will be calling on some of you from time to time in order to get new ideas, a few programs, and donations for the raffle. Several changes in the appointed positions are happening but not totally decided upon.

It is my desire for the Midwest Faceters Guild to become a closer membership, getting to know each other better and to facet more together.

If you are willing to open up your home for a faceting frat please let one of the officers know. As a Guild one of our goals is to teach. If any of you would be willing to help out at our annual seminar please give Barb Yost a call or an email.

Since I am still not home due to my husband's lawn mower accident I have been a bit slow on getting things in order for the next meeting.

Instead of having a Thanksgiving Dinner and meeting we will be having a Christmas Party in

December. Your invitation will come in the mail or by email.

A meeting in January will be held on the 11th at our home. Food will be furnished and we will be eating at 12:00. Please show up with something to put into the raffle. If you can come early, please do so. If you know anyone who would be interested in faceting please bring them to the party so they can get aquatinted and see some of the things we have faceted and what others have faceted.

Happy Holidays and Happy Faceting

Ruthann Lehner, President

DID YOU KNOW?

- **November's Gemstone is traditionally Topaz**
- **Modern day November Gemstone is Citrine**
- **December's Gemstone are Zircon Tanzanite and Turquoise**

THE MIDWEST FACETER

is a publication of The Midwest Faceters Guild and is published bi-monthly. Copyright © 2013-14. All rights reserved. Gem cutting designs are used by permission of the respective authors. Article and design submissions are encouraged. Send requests to Editor Sandi Hartman at: O-11825 8th Aves. NW, Grand Rapids, MI 49534. Email submissions should be sent to sandiha10@yahoo.com. Word processing articles **MUST** be in MicroSoft Word format. Pictures are to be in JPEG format. Inclusion of articles and design submissions is at the sole discretion of the editor. Submission date is the 15th of the month **BEFORE** publication (December, February, April, June, August, October).

2014 GUILD OFFICERS

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Raffle Chair

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ABOUT THE GUILD

The Midwest Faceters' Guild was established July 14, 1979 and chartered in October of that year. The The Midwest Faceters' Guild is a member of the American Federation of Mineralogical and Geological Societies and the Midwest Federation of Mineralogical and Geological societies. Our purpose is:

- ❖ 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.

The official publication of the Midwest Faceters' Guild is *The Midwest Faceter*, published 6 times a year.

Membership in the Midwest Faceters' Guild is open to anyone with an interest in the art of Faceting, regardless of geographical location.

GUILD MEETING MINUTES

Mid West Faceters Guild meeting October 26, 2013 at City Limits Sports Grill, 10 people present.

11:15am: Meeting was brought to order by Virginia Steele

Virginia asked Dianna Dunaway about the secretary report and it was reported that they stand accepted per new letter, yet treasurer report was in hand and would report for record.

Virginia Steele asked the secretary notes be accepted per new letter:

- 1st Blake Glupker
- 2nd Barb Yost- (all in favor) (all say yea)

Treasurer report read by Dianna Dunaway

Total additions: 454.00

Total subtractions: 266.27

With ending balance of 7215.71

Virginia Steele asked the treasurer report be accepted.

Ballots were taken out of manila envelope by Virginia Steele and Barb Yost handed her some. Mary Lee stated she was disappointed with ballots. Barb Yost was on nomination committee. Barb stated she talked to people, made calls and sent emails but no one answered. Barb Yost stated be all end all/ add-ons were not put on the ballot wishy-washy but went by Roberts rule of law.

At 11:25 am, ballots were given to Blake Gulpker and Sandi Hartman and they went over in the corner of room to count.

Mary Lee stated she wanted to nominate Dianna Dunaway for Vice President but Virginia Steele had already asked Dianna Dunaway to be Secretary and it was stated yes I would to the best of ability.

Wilfred Lee asked about why or what happen to Linda Sharky, John and Sue and Zaborowski? Barb stated

Membership applications are available on the website or by contacting the Membership Chairperson. Membership is \$20 single and \$30 family and includes a subscription to *The Midwest Faceter* and enables you to participate in Guild activities such as our Faceter Frats and gemstone competitions.

Only The Midwest Faceters' Guild members may also join our private group on *Facebook*, look up Midwest Faceters' Guild on *Facebook*, search and request to join us. It is a place to share problems, updates on how everyone is doing and what is going on. We can share information and patterns we develop on *Gemcad*.

Make sure you give us your latest e-mail address, and let us know if you would prefer to just receive electronic copy of the newsletter only.

she tried to talk to all three of them, but they were tight lipped.

Wilfred Lee asked how Barb Yost could be on ballot when she embezzled money to the point of felony charges could have been brought. Virginia Steele stated she could never be on account but could hold board Dianna Dunaway tried to explain but hard to understand. Barb Yost was trying to skype Tyler Miller so he could be at the meeting.

Virginia Steele stated she was not sure that could happen was not in by-law.

*Friendly talk about area/show until ballots were completed at 11:40 am. Virginia Steele stated she just wanted to facet and have fun. Virginia called Ruthann in regards to vice president and Barb Yost was asked if she would take over and fill that position. She answered yes.

Ballot results were:

President: Ruthann Lehner, 24; Barb Yost, 11.

Vice President: Ruthann Lehner, 14; Barb Yost, 13 Barb Yost accepted

Secretary: per request Dianna Dunaway, accepted

Treasurer: Melvin Lehner, 30; Dianna Dunaway, 3

Official 2014 Board:

President: Ruthann Lehner

Vice President: Barb Yost

Secretary: Dianna Dunaway

Treasurer: Melvin Lehner

All have accepted

Need a new raffle person Amy Uphaus dropped out.

Letter given to Dianna Dunaway from Virginia Steele. Blake Glupker asked to appointed as alternate. New Board would do that.

11:43 Meeting Closed

Barb Yost stated just after no problem your in

Respectively Dianna Dunaway.

MEMBERS NEWS

Elaine Angstman, President of the Central Michigan Lapidary and Mineral Society in Lansing, Michigan, sent a message that Neil Snepp passed away. He was a past president of the MWF, past Show and Convention Advisory Chairman, who made arrangements for many of the convention locations, and very active in our hobby.

He had been fighting a long and painful battle with cancer. Neil was the scholarship honoree in Peoria, Illinois, and both his student selections were able to attend the MWF Banquet with Neil. We have truly lost a treasure.

Results of the 2013 United States Faceters Guild Single-Stone Competition are in; Dick Fairless took first place in the Grand Master Division, Sandi Hartman and Barb Yost placed 9 and 10 in the Pre-Master Competition. Three from one guild is excellent! Congratulations to all 3 of them. Dick used a newer Sapphire or Ultra tech machine, Sandi used a Graves machine, and Barb used a Facette machine.

The new United States Faceters Guild Single-Stone Competition designs are now set for the 2014 competition. They are reprinted in this issue for those who want to enter to get started faceting.

On page four is a design for the Holiday season to try, from a designer on the Gemology Project website.

NOVEMBER BIRTHSTONE



The popular November Birthstone is the Topaz, found in the following countries: Brazil, Nigeria, Sri Lanka, Pakistan and China.

The Topaz is commonly colorless, also light to medium blue, violet yellow, pink, peach, gold, green, red and brown. Topaz with orange-red and pink colors are rare and most valuable.

The word Topaz is derived from the legendary island of Topazios, a small island in the Red Sea, where the Romans obtained a stone which they called by this name. A mineral occurring in rhombic prisms, generally yellowish and pellucid, also colorless, and of greenish, blueish, or brownish shades. It sometimes occurs massive and opaque. The crystal structure of the topaz (aluminum fluor-silicate) is orthorhombic.

You are invited to a Christmas Party at our house on December 7th, at 2:00 p.m. All the food is furnished, if you would like to bring a favorite Christmas snack, that would be nice too.

Please bring what you have faceted this year. Also bring something for the January 11th 2014 meeting raffle, also held at our house.

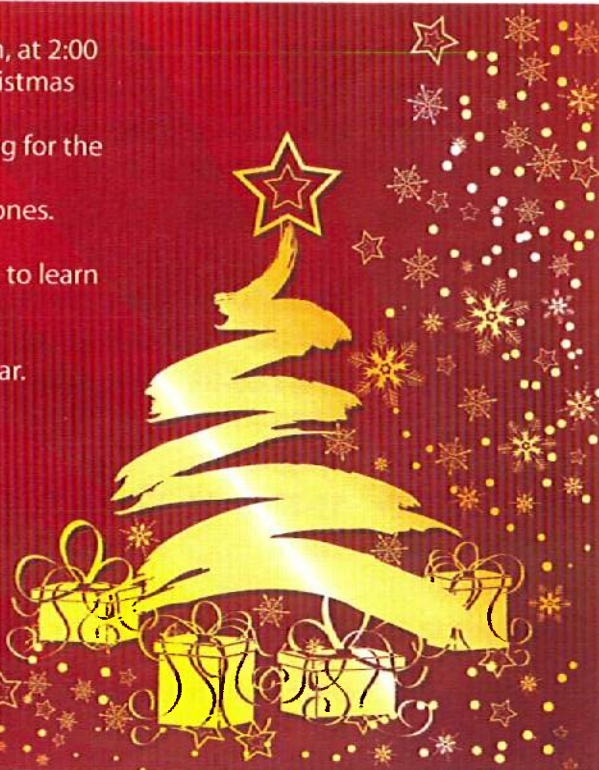
This is just a fun afternoon of visiting and showing off your gemstones.

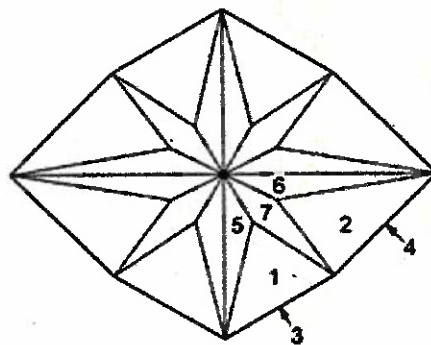
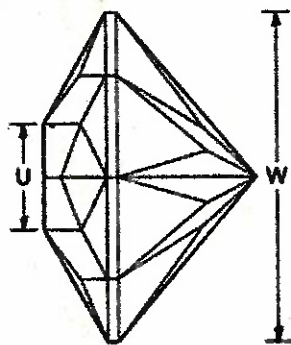
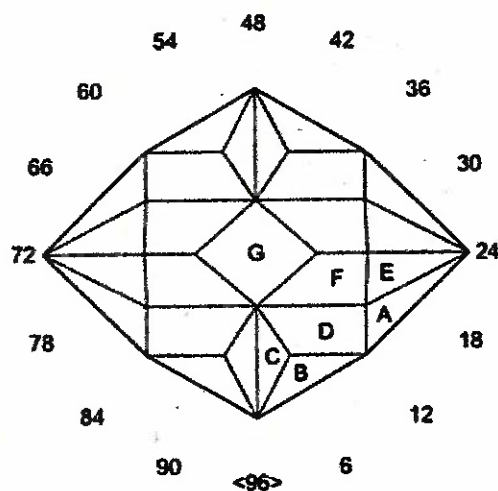
Please bring a friend, wife, husband or a grandchild who might want to learn to facet or just to get to know us a bit better.

If you cannot come have a wonderful Christmas and a Happy New Year.

Melvin and Ruthann Lehner
1100 W. Chadwick Road
Dewitt, Michigan 48820
5517-643-4406

If you need directions please email us so we can send them to you.
ruthie48@netzero.net
bmwmel@netzero.net





Xmas pendant

Marco Voltolini

Angles for R.I. = 1.540

45 + 8 girdles = 53 facets

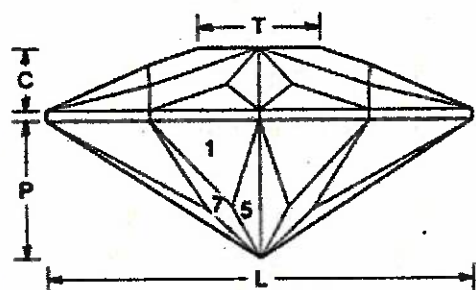
2-fold, mirror-image symmetry

96 index

L/W = 1.280 T/W = 0.368 U/W = 0.323

P/W = 0.418 C/W = 0.188

Vol./W³ = 0.192



PAVILION

1	44.68°	08-40-56-88	Centerpoint (temp)
2	43.42°	12-36-60-84	"
3	90.00°	08-40-56-88	Set stone size
4	90.00°	12-36-60-84	Level girdle
5	43.00°	07-41-55-89	Meet girdle (new CTP)
6	41.00°	13-35-61-83	"
7	43.12°	10-38-58-86	"

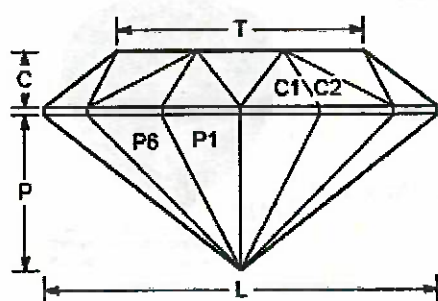
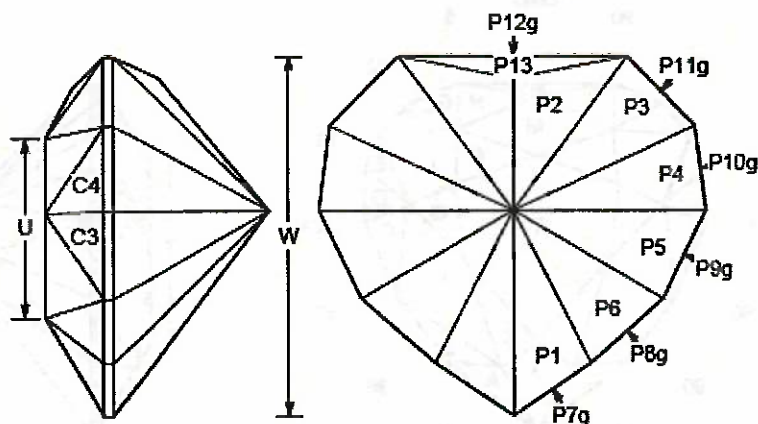
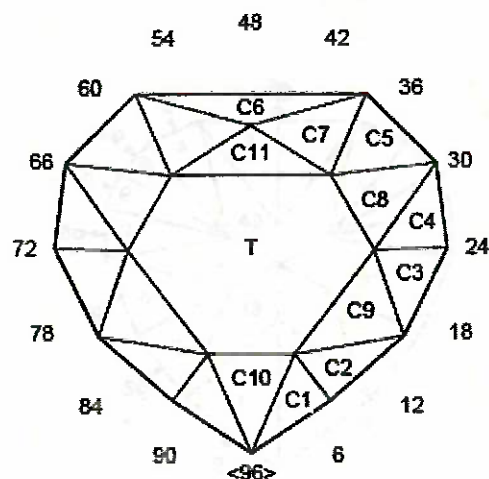
CROWN

A	35.73°	12-36-60-84	Set girdle thickness
B	34.32°	08-40-56-88	Level girdle
C	31.80°	07-41-55-89	Meet girdle
D	31.56°	09-39-57-87	"
E	30.85°	13-35-61-83	"
F	27.37°	11-37-59-85	Meet A, D, E
G	0.00°	Table	Meet C, D, F

For quartz (and higher RI's)

This information is courtesy of <http://gemologyproject.com/> The Gemology Project

2014 USFG SINGLE-STONE COMPETITION — NOVICE



SIMPLE HEART

By Jeff Graham — used with premission

2014 USFG SSC Novice Stone

Angles for RI = 1.540

31 + 11 girdles = 42 facets

1-fold, mirror-image symmetry

96 index

L/W = 1.088 T/W = 0.682 U/W = 0.498

P/W = 0.432 C/W = 0.157

Vol/W³ = 0.220



Raytracing of design performed with
Robert Steinhardt's GemPy™ for Windows™

PAVILION

P1	42.32°	09-87	Cut to center point
P2	40.98°	44-52	Cut to center point
P3	39.21°	36-60	Cut to center point
P4	38.70°	26-70	Cut to center point
P5	41.53°	17-79	Cut to center point
P6	43.00°	11-85	Cut to center point
P7g	90.00°	09-87	Cut to meet P1
P8g	90.00°	11-85	Cut to meet P6
P9g	90.00°	17-79	Cut to meet P5
P10g	90.00°	26-70	Cut to meet P4
P11g	90.00°	36-60	Cut to meet P3
P12g	90.00°	48	Cut to meet P2
P13	63.55°	48	Cut to meet P12g

CROWN

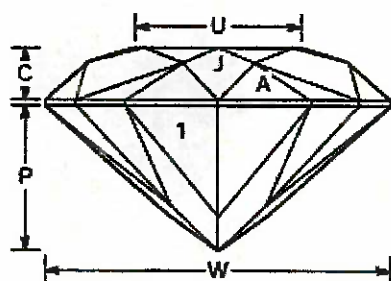
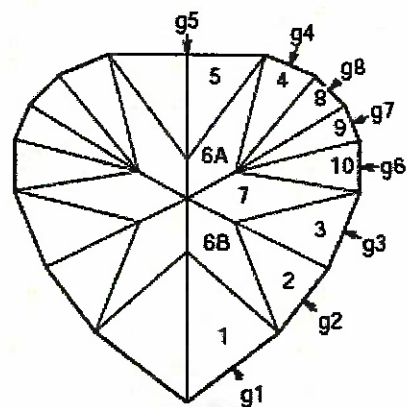
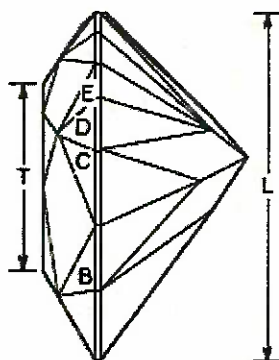
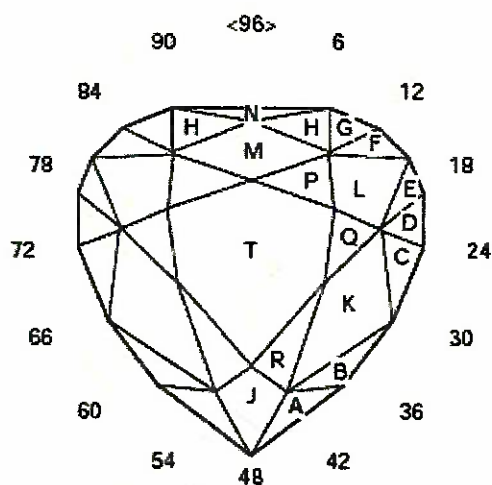
C1	44.00°	09-87	Cut to meet girdle
C2	44.00°	11-85	Cut to meet girdle
C3	41.20°	17-79	Cut to meet girdle
C4	37.81°	26-70	Cut to meet girdle
C5	34.20°	36-60	Cut to meet girdle
C6	44.00°	48	Cut to meet girdle
C7	33.38°	46-50	Cut to meet girdle
C8	30.12°	32-64	Cut to meet girdle
C9	36.69°	14-82	Cut to meet girdle
C10	29.65°	96	Cut to meet girdle
C11	27.32°	48	Cut to meet C6, C7
T	0.00°	Table	Cut to meet C8-C11

Material: Cutters Choice — any color

Width: 10 – 12 mm

Girdle: 0.3mm | +/- 0.1mm

2014 USFG SINGLE-STONE COMPETITION — PRE-MASTER



TRI-HEART

By Strickland, Robert W: TFG Newsletter, Oct 93, v14n4p23

2014 USFG SSC Pre-Master

Angles for R.I. = 1.720

52 + 15 girdles = 67 facets

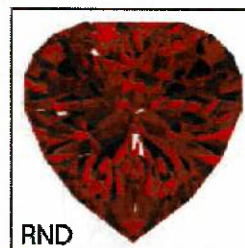
1-fold, mirror-image symmetry

96 index

L/W = 1.012 T/W = 0.538 U/W = 0.481

P/W = 0.424 C/W = 0.153

Vol/W³ = 0.200



RND

Raytracing of design performed with
Robert Strickland's GemSoftTM for WindowsTM

PAVILION

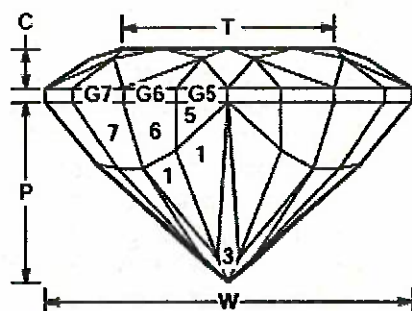
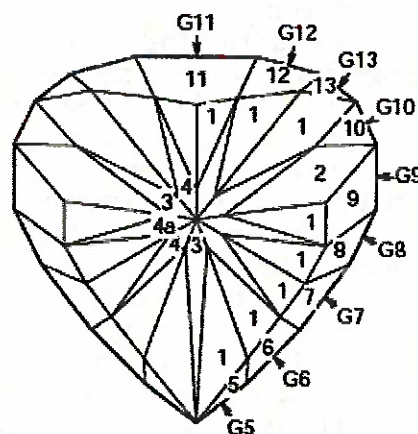
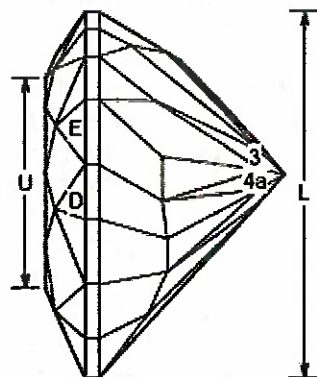
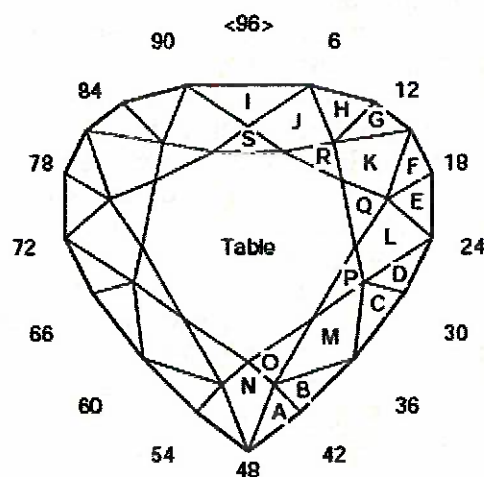
1	43.00°	38-58
2	44.40°	34-62
3	43.90°	30-66
4	42.68°	06-90
5	45.40°	01-95
6A	42.45°	04-92
6B	42.45°	36-60
7	41.50°	28-68
8	41.55°	12-84
9	41.03°	18-78
10	41.70°	24-72
g1	90.00°	38-58
g2	90.00°	34-62
g3	90.00°	30-66
g4	90.00°	06-90
g5	90.00°	96
g6	90.00°	24-72
g7	90.00°	18-78
g8	90.00°	12-84

CROWN

A	52.30°	38-58
B	42.90°	34-62
C	39.31°	30-66
D	41.40°	24-72
E	35.54°	18-78
F	33.60°	12-84
G	39.46°	06-90
H	37.54°	01-95
J	30.40°	48
K	34.00°	32-64
L	30.30°	14-82
M	32.90°	96
N	47.06°	96
P	18.80°	05-91
Q	16.40°	26-70
R	18.70°	35-61
T	0.00°	Table

Material: Synthetic Spinel — any Color
Width: 10 – 12 mm
Girdle: 0.3mm | +/- 0.1mm

2014 USFG SINGLE-STONE COMPETITION — MASTER



HEART OF NINES

by Robert W. Strickland 1/19/95, Texas Faceters Guild Newsletter

2014 USFG SSC Master

Jan 95, vol. 16, no. 1, p. 18.

Angles for R.I. = 1.760

80 + 17 girdles = 97 facets

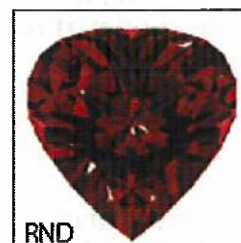
1-fold, mirror-image symmetry

96 index

L/W = 1.003 T/W = 0.581 U/W = 0.575

P/W = 0.494 C/W = 0.109

Vol/W³ = 0.220



RND

Raytracing of design performed with Robert Strickland's GemRay[®] for Windows[®]

PAVILION

1	42.50°	02-08-13-24-30-34-40-45-51-56-62-66-72-83-88-94
2	42.85°	19-77
3	41.60°	16-48-80
4	41.40°	05-37-59-91
4a	41.42°	27-69
5	68.50°	38-58
6	70.80°	36-60
7	70.40°	34-62
8	64.60°	31-65
9	50.60°	24-72
10	44.30°	17-79
11	58.40°	96
12	56.10°	04-92
13	51.50°	10-86
G5	90.00°	38-58
G6	90.00°	36-60
G7	90.00°	34-62
G8	90.00°	31-65
G9	90.00°	24-72
G10	90.00°	17-79
G11	90.00°	96
G12	90.00°	04-92
G13	90.00°	10-86

CROWN

A	38.40°	38-58
B	38.30°	36-60
C	37.80°	34-62
D	36.10°	31-65
E	33.60°	24-72
F	29.79°	17-79
G	28.60°	10-86
H	32.00°	04-92
I	34.20°	96
J	29.80°	02-94
K	25.10°	13-83
L	29.10°	28-68
M	35.00°	35-61
N	23.89°	48
O	16.80°	39-57
P	20.90°	32-64
S	24.97°	96
R	16.39°	07-89
Q	14.30°	21-75
Table	0.00°	Table

Material: Synthetic Corundum — any Color
Width: 10 – 12 mm
Girdle: 0.3 mm | +/- 0.1 mm

FACETING FOR COMPETITION

By Carl Unruh

Faceting for competition can be a real challenge. It can improve your faceting skills and give you a few bragging rights with your faceting buddies. So why not give it a try? What should you expect? It will take a lot of time to be done right. You should be of good spirits and with an open mind. Not everyone can win, but you should keep on trying. Most of our winning AFMS faceters didn't win the first time out, maybe not even the second time.

What will it take to be a competition winner? First, study the rules. This is very important and often neglected. Understand what is expected in the competition you are entering. Use the quality and kind of material called for by the rules, and expect to spend enough time to produce the best faceted gem you possibly can.

To start, cut a practice gem or two of the design you expect to enter into the competition. Keep good notes on the areas that require special attention. For the faceting process, you will probably need to:

1. Pre-form on a 260 grit lap.
2. Final grind carefully on an 1200 grit lap.
3. Pre-polish on a 3000 or 4000 grit lap using slow speed.
4. Grind very small facets, maybe at no speed at all, by merely swiggling the gem across a stationary fine grit lap.

Remember, to get good meets, you can always slow down the lap and use finer frit, so be prepared to do just that. For polishing the gem, use one of the recognized chemical agents; cerium oxide, aluminum oxide, or tin oxide, if possible, for the material you are faceting. If diamond powder is required, you usually need to go to 100,000 grit because 50,000 grit may frequently leave a slight rainbow finish on your facets. The quality of your polishing will depend on the polishing agent, the polishing lap, the lap speed, and most importantly, on your technique.



Ruth Ann Lehner
1100 W. Chadwick Rd.
Dewitt, Mi 48820

Take lots of time to look at your work as you proceed. You must practice the old master faceting rule throughout:

"Grind a little and look alot"

How long will it take to cut a competition stone? Well, for a regular 7 mm standard brilliant cut, one might take an hour or two, but for a competition stone to win a trophy, you should probably plan on something on something like 20 hours for the final gem. Of course, the more complex the design and the larger the gem, the longer the time required. Some who have entered the Australian Competition with relatively complex designs reportedly spent 100 to 200 hours on each gem, after cutting several practice gems of the same design. So, the bottom line is straightforward. It is time consuming, and it requires a slow approach for the facets to meet properly and a diligent technique in polishing. Cutting for competition is different from any other kind of faceting. It takes a lot of time. Is it worth it? Well, that is entirely up to each of you.

Some like it and some don't, some do it occasionally. It is your choice. What will you do with your winning gem after the competition? It will always make an excellent special display with a label describing what it is and what it has won. You might donate it as a premium prize for a scholarship or other fund raising occasions. It could be mounted in finished jewelry and given as a special gift to your spouse, relative, or best friend. But whatever you do with it, don't lose track of it and mix it with your other collection.

Do a good job on any gem you facet so you can show it with pride to everyone. Try to improve the quality of your faceting with every gem you facet, whether it is for your private collection, for sale, for a gift to someone, or for that prize competition case. So at the next opportunity, give the judges a hard time to find anything for point deduction for your competitive entry.

(Reprinted from the *Crystal & Gem News*, July 2003)

RECEIVED
UNSEALED

