

2003

THE MIDWEST FACETER

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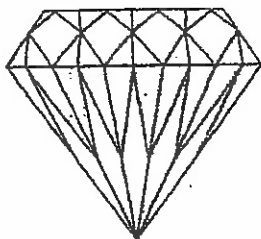
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The Midwest Faceter





Vol. 23, Issue 1
January, 2003

The Midwest Faceter

A Publication of the Midwest Faceters Guild

Send all Articles to the
Midwest Faceter
c/o Co-Editor
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(Happy)
622 Eighth St.
Wyandotte, MI 48192
Phone: 734-282-3745

Newsletter Deadline
seven weeks prior to the
MFG meeting.

Membership application
or address change
contact:

Ray Becker
29802 Rosebriar St.
St. Clair Shores, MI
48082-2634

Established July 14, 1979
Purposes:
To promote education and
recreation
To develop the art of faceting
To exchange information related
to faceting
To provide meeting for those of
like interests
To promote the achievement of
individuals

**THE MIDWEST
FACETER** is the
official publication of the
MIDWEST FACETERS
GUILD and is published
five times a year
available to members
only as a portion of their
membership dues.

Statements appearing in
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EXCHANGE EDITORS
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newsletters to Elspeth N.
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- Rules** -
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2003 MEETING DATES

All Meetings:	Board Meetings	10:00 AM to 12:00 noon
	Lunch	12:00 noon - 1:00 PM
	General Meeting	1:00 pm -

All meetings this year will be on the second Saturday of the month, including the Picnic. The Seminar is on the third weekend of August and the Show on the second weekend of November. Information and articles are to be included in the Bulletin are due 7 weeks before the next meeting,

DATE	PLACE	BULLETIN INFO DUE:
March 8, 2003	To be determined	January 20, 2003
May 10, 2003	To be determined	March 24, 2003
July 12, 2003	Picnic-Wodaraks	May 26, 2003
August 15-17, 2003	Seminar-Flint	
October 11, 2003	To be determined	August 25, 2003
November 7-9, 2003	Show-Taylor	

JANUARY 11TH, 2003 MEETING

Our January 11th Board Meeting will begin at 10:00 am and will end at 12:00 pm. Lunch is from 12:00 pm to 1:00 pm. The General Meeting begins at 1:00 pm and will end at ??? pm. (The Map is elsewhere in this Bulletin.) Coffee, tea and rolls will be available.

All members and visitors are welcome at both meetings.

We really need to have at least 20 people (members and otherwise) at this meeting. It will make our costs less.

NOTE --

We (Jacque and Happy) are new to being Co-Editors. We have ideas for the Bulletin, but want more ideas from you, the members. Let us know what you want, we would appreciate your help. Anyone can submit articles, faceting hints, general information about our hobby, news about members, etc. Don't worry about grammar, spelling or punctuation. We WILL make your information look good!!

Thank you, Jacque and Happy

From The President's Quill

The Midwest Faceters Guild has been part of my life for at least the last 23 years. Now that I'm the new President of the Guild, I've had to re-think my role in the club, which direction is the club headed, how are we going to get there, what can we do to achieve our goals? Well, I think we are already on the right track thanks to the visions and hard work of a good many of our members. Special thanks to Harold Rice for turning the Seminar into a going concern with a bright future of larger attendances, new members and the sharing of our great hobby with others. Thanks to Tyler Miller and Bob Wodarak, Co-Chairmen of our annual show held at the Taylor Sportsplex—they did a great job. Especially, since this was our first time there. Next year we could use more displays; they help draw people in and they tell other people what they saw at the show, which could bring in more attendees. Many thanks to Happy Gibbs who has held the ship together and headed it in the right direction. Last but not least, thanks to all the members who involve themselves demonstrating at the show, selling tickets at the show, instructing at the Seminar and all the jobs that have to be done, without you we could not do all this.

IMPORTANT: Dues must be in before the end of the year if you want your name in the new membership directory. The new directory will probably be sent out the latter part of January. So, if your

dues are due and you want to be part of the directory, please send your membership dues to Ray Becker, 29802 Rosebriar St., St. Clair Shores, MI, 48082-2634.

The next meeting will be January 11, 2002 in Toledo, Ohio. We will try and direct our energy into this year and the jobs we will do to make the Seminar, the Show and all other aspects of our Guild a success and a credit to its members. The more members we can get to participate in these events the better we can stay on the path to a brighter future for The Midwest Faceters Guild. Attending the next meeting is a good start in sharing in our activities and keeping informed and contributing to the success of the Guild.

I would like to wish everyone a happy and joyous holiday and a great New Year. May we all see our Guild grow and contribute to the sharing of this great hobby of ours.

Sincerely, George C. Judd

NOTE: Ken Wise was also a Co-Chairman along with Tyler Miller and Bob Wodarak.

**MINUTES OF THE MEETING OF THE BOARD OF
DIRECTORS OF THE MIDWEST FACETERS GUILD
HELD ON OCTOBER 12, 2002**

The meeting was called to order at 10:15 a.m. by President Gibbs.

The minutes of the meeting held on June 21, 2002 were read by the secretary; a motion was made by C. Eiche and seconded by B. Wodarak that the minutes be accepted as read; motion carried unanimously.

President Gibbs presented new correspondence received since the last meeting.

MEMBERSHIP: Ray Becker reported that the Guild currently has 144 members, including the Canadians.

A lengthy discussion ensued regarding the inconsistencies and lateness of the Guild Bulletin.

SHOW: Tyler Miller and Bob Wodarak reviewed current plans for our upcoming show in November. They presented the floor plan to Board members. A motion was made by C. Eiche and seconded by R. Becker that the Guild purchase PVC pipe for use in dividers between Vendors at the Show; motion carried unanimously.

The raffle was discussed and donations are needed. Admission will be \$3.00 and \$1.00 for 12 to 18. Dave Graham will contact the Mayor's Office to request his attendance the Show opening.

SEMINAR: Harold Rice made a lengthy presentation on the Seminar and his proposal for a Five Year Plan.

He feels it is time for a new format for the Seminar and feels that a sense of continuity is needed. It is also time to improve supplies available at the Seminar for students to use and presented a plan for transporting laps. His proposed plans were met with much enthusiasm.

A motion was made by H. Rice and seconded by R. Becker that the Guild purchase one full set of Jeff Graham's manuals; motion carried unanimously.

TREASURER: Ken Wise presented the Treasurer's Report for the period 1/1/02 through 10/12/02; motion by R. Becker and seconded by H. Rice that the Treasurer's Report be accepted; motion carried unanimously.

OLD BUSINESS: A discussion ensued regarding contacting Guild members who have not renewed their membership and it was decided that a first class postcard would be mailed out.

The next item under old business was the newsletter. A lengthy discussion ensued regarding the importance of the newsletter to the membership and the need for timely issues. There was also discussion regarding a charge of \$12.00 for those who did wish to be members of the guild but did not wish to subscribe to the newsletter.

The Nominating Committee presented the proposed slate of Guild officers for 2003:

President: George Judd
Vice President: Tyler Miller
Treasurer: Ken Wise
Secretary: Jeanette Chavez

There were 18 members present.

The meeting was adjourned at 12:07 pm

NEW BUSINESS: A motion was made by T. Miller and seconded by J. Rice that the Guild purchase 51 copies of the 2003 Faceters Engagement Calendar for the purpose of resale; motion carried unanimously.

Respectfully Submitted,

Jeanette Chavez and Jacqueline Swain

RUBY QUIZ

Earth Science News

June, 1989

By Diane Dare

1. Ruby is the gem variety of what mineral?
2. What kind of bird is the ruby-throat?
3. Ruby is the birthstone for what month?
4. Ruby Keeler starred in "42nd Street" doing what kind of dancing?
5. In Job 28:18, the price of what "is above rubies"?
6. The finest shade of ruby is described as what bird's 'blood'?
7. The first burst of what kind of light was produced from a synthetic ruby?
8. Who starred as "Ruby Gentry" in the 1952 movie, with Charlton Heston?
9. What mineral is known as "Ruby Jack", especially in the Midwest?
10. What Arabian Nights character recovered rubies from areas where eagles fed and roosted?
11. The 158-carat "Black Prince's Ruby" in the Imperial State Crown of England is really what?
12. What saint and animal are portrayed in a famous one-foot-high statuette in a Munich Museum, decorated with 406 rubies, over 2,000 diamonds, and hundreds of gemstones?
13. Because of its color, ruby is associated with what planet in astrology?
14. What gives ruby its color?

Answers on page... 8

Thank you to Kitty Starbuck's compilation of puzzles from past Newsletters!

MINUTES OF THE GENERAL MEETING
OF THE MIDWEST FACETERS GUILD
HELD ON OCTOBER 12, 2002

The meeting was called to order at 1:20 pm by President Gibbs.

The minutes of the last meeting held on June 21, 2002 were read by the Secretary; motion by L. Demerly and seconded by H. Rice that the minutes be accepted; motion carried unanimously.

TREASURER: Ken Wise presented the Treasurer's Report for the period 1/1/02 through 10/12/2002; motion by T. Miller and seconded by C. Eiche that the Treasurer's Report be accepted; motion carried unanimously.

Ken Wise also reported on the financial status of the Guild and the profit earned from Seminar 2002.

SEMINAR: Harold Rice reviewed extensively his proposed recommendation for a five year plan for upcoming seminars. He stressed the need for continuity from year to year. He also presented a proposal to invest in supplies for students at future seminars and the need for quality in supplies, teaching staff, etc. He also announced that he had accepted the position of Chair for Seminar 2003. A motion was made by C. Eiche and seconded by L. Demerly that the Guild purchase 1 full set of Jeff Graham's manuals and future supplements as

they are released by the published; motion carried unanimously.

Harold also stressed the need for donations by club members to be used by the students i.e. loops, transfer jigs, etc.

SHOW: Tyler Miller and Bob Wodarak reviewed plans for our 2002 Show. They reviewed the floor plans and stressed the need for volunteers and raffle prizes.

NEW BUSINESS: The next item on the agenda was the election of officers for 2003. The nominating Committee presented their proposed slate of officers: President – George Judd; Vice President – Tyler Miller; Treasurer – Ken Wise; and Secretary – Jeanette Chavez. Having no further nominations from the Floor the Chair of the Committee declared the nominations closed and a motion was made by H. Rice and seconded by J. Rice that a unanimous vote be cast for the proposed 2003 slate of officers; motion carried unanimously.

There were 21 members present.

Respectfully Submitted,

Jeanette Chavez and Jacqueline Swain

PERIDOT (=OLIVINE)**By George Judd GG**

Olivine, chrysolite, peridot, topaz, forsterite, fayalite, "evening emerald" and sinhalite are all terms that have been concerned with the stone discussed in this article. First, the gem is pronounced PEAR-uh-doe, not PEAR-uh-dot. The mineralogist calls it OLIVINE (pronounced AHL-uhl-veen), although he calls an olivine-rich rock PERIDOTITE (pear-ID-oh-tite). On the other hand, if the rock is all olivine, he calls it DUNITE, (DEW-nite). The term peridot comes directly from the French "peridot, the origin of the word is uncertain.

On the basis of all the terms connected with this gem over the centuries, a plausible argument could be made for calling it almost anything. However, peridot has a pleasing sound when pronounced correctly. Chrysolite is too reminiscent of the quartz variety, and the sound of the word olivine has little appeal; for many years, however, it was (and still is too often) applied to demantoid garnets.

Many beautiful examples of peridot were brought back from the Mediterranean area during the Crusades and presented as emeralds to European cathedrals, where they still remain. One of the finest examples is among the jewels that formerly belonged to the Russian czars. Now in the Diamond Treasury in Moscow, it is a lovely yellowish-green stone, weighs 192.75 carats, and is almost flawless. Today, peridot alternates with sardonic as the birthstone for August.

Peridot is actually an intermediate member of a group of minerals varying from forsterite, a pure magnesium silicate, to fayalite, a pure iron silicate, with no iron whatever, forsterite would be colorless. However, in nature, it is never totally free of iron; therefore, it is at least yellow in color and usually yellow-green. Fayalite, on the other hand, is a dark-green to brown or black stone. Gem peridot is much closer to the magnesium-forsterite end than to the iron-fayalite end of the series.

The two situations in which gem-quality crystals seem to occur are in cavities in an extrusive igneous rock and in contact metamorphism of sedimentary rocks containing magnesia and silica, such as impure limestone or dolomite.

Recent studies by Professor Richard Jahns, Ph.D., of the California Institute of Technology indicates that large gem-quality crystals are unlikely to occur in magma that cooled under ordinary conditions at depth. He has demonstrated that an essential condition to the formation of large crystals of excellent quality, structurally, is for the melt to reach a condition of water or other fluid saturation. Such a condition could occur quickly, if the magma moved toward the surface with an accompanying reduction in pressure. With a highly volatile liquid or gaseous phase, large, fine crystals may grow at very rapid rates (in a matter of weeks or months).

There has probably been as much mystery connected with the sources of gem-quality peridot as with anyone of the other gemstones. There is little doubt that over the years the most important source of gem peridot has been the island in the Red Sea known variously as Zebirget or St. John's. This is undoubtedly the island in the Red Sea referred to by Pliny as being the peridot source of the ancients. Historical records show that the Red Sea deposits were worked as early as 1500 B.C.

The second major source from which a few stones have come over the years is the Bernardino Valley in the Mogok area of Upper Burma. The crystals from this locality are

often frosted and a lighter green than the usual St. John's material. Burma has produced some sizable stones in the last couple decades.

Excellent light-green stones, locally called "Job's tears," are found from time to time on a Navajo Indian Reservation in Arizona, where they are picked up as small pebbles on the surface.

Other sources of gem peridot in small quantities are Norway, Minas Gerais, Brazil; Queensland, Australia; and Czechoslovakia. It also has been reported from Hawaii, and the Congo.

Peridot may be cut in any style, either brilliant, mixed or step cut, although the latter is usually preferred for gems of fine color. The cabochon style is rarely used.

Badly flawed peridots are worthless for jewelry purposes. Even stones that are slightly flawed to the unaided eye are undesirable and of very little value.

Although very large, fine-quality peridots are not common, their per carat price is never greater than that asked for 20 carat sizes. In fact, extremely large stones, which are difficult to mount and impractical to wear, often cost less than smaller stone~ of equal quality.

Purity of the green color is also a determining factor. The purer the green color (i.e., the least amount of other color), the more valuable the stone.

Another factor to consider is the appearance of the facet edges. A stone that has been handled for some time usually shows evidence of wear (abrasions) along the facet edges.

PHYSICAL AND OPTICAL CHARACTERISTICS

Chemical Composition: A silicate of Magnesium and iron

Crystallographic: Orthorhombic system. The crystal habit is prismatic, often flattened.

Well formed crystals are rare.

Cleavage: Fairly distinct.

Fracture: Conchoidal.

Hardness: 6-1/2 to 7.

Toughness: Fair to good.

Pleochroism: Weak yellow- green and green. Distinct only in dark stones.

Refractive index: 1.654-1.690. Gem-quality material shows little variation from these minimum maximum readings.

Luster: Polished surfaces are vitreous; fracture surfaces are vitreous to sub vitreous.

Acids: Attacked easily by sulphuric acid and less easily by hydrochloric acid.

Via The Rockpile, Dec. 2002

ANSWERS

RUBY QUIZ by Diane Dare

- | | | |
|----------------|-----------------------|--------------------|
| 1. Corundum | 6. Pigeon's blood | 11. Red spinel |
| 2. Hummingbird | 7. Laser | 12. St. George |
| 3. July | 8. Jennifer Jones | Slaying the Dragon |
| 4. Tap dancing | 9. Sphalerite | 13. Mars |
| 5. Wisdom | 10. Sinbad the Sailor | 14. Chromium oxide |

Midwest Faceters Guild Show Report for the Year 2002

The Midwest Faceters Guild Show for 2002 is now history. We were blessed with Dave Graham, who found the Taylor Sportsplex last year and who also got us press coverage in the local Taylor newspaper and on the City of Taylor web page. A very Special Thank You to Dave Graham.

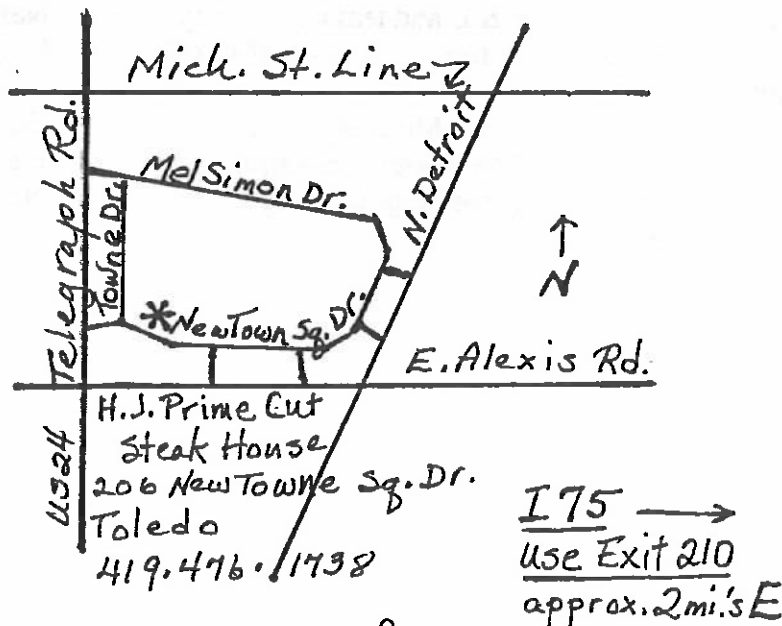
As far as the Guild is concerned we had a fairly good Show. The Sportsplex is a superb facility and the staff headed by Ryan Bailey was just a joy to work with. The entire staff went out of their way to take care of any unexpected problems that occurred.

As far as the Dealers were concerned, the Show was a so-so. A few of the dealers had a good show, most had a fair show and a few didn't do as well as they had hoped to do. All of the Dealers were unanimous with the feeling that the ball was in our court in respect to getting the word out and getting people into the show. Many dealers remarked that the Sportsplex was a superb facility to hold

a show. That is a job that has already begun and will continue until the 2003 show is over. As I write this one week after the Show, I have received full payment from two dealers for the 2003 Show. This gives us confirmation that we are headed in the right direction to become the Icon of Gem and Jewelry Shows in the Midwest and the entire country.

I would be remiss if I did not thank each and every member who helped with the show. I would like to name each and every one who helped, but if I tried I would miss someone, so on behalf of the Midwest Faceters Guild a special thanks to all who put forth an effort to help in putting on the 2002 Show.

Tyler Miller
Vice President
Show Committee Member



2002 RAFFLE PRIZES

Prize:

Donor:

Winner:

1. \$150.00
2. Aquamarine Pendant
3. Agate Lamp
4. Amethyst/SS Necklace
5. Agate Pendant
6. Tigerseye/SS Pendant
7. Pearl/Hematite Necklace

Midwest Faceters Guild
Bob Wodarak
Bill Horton
Jacquie Swain
Robert Wade
Bill Horton
D. Demerly's Rocks and
Art Works

Harry L. Gibson
Lorraine Demerly
R.A. & S.L. Brandt
Tyler Miller
Mick Mastan
R. Rychlik
Sheila Lazier

8. T-Shirt
9. Jade/Cloisonne, G-F
Necklace & Bracelet

Harold Rice
Elspeth N. Gibbs

Harry Selman
F. Steffey

10. FW Pearl Necklace
11. Lapis Necklace

Elspeth N. Gibbs
D Demerly's Rocks and
Art Works

Irena Lajewska
S. Kandler

12. Agate Pendant
13. Faceted Tigerseye Necklace
14. Malachite Necklace
15. FW Pearl/Cloisone
Bracelets

Bob Wordarak
Elspeth N. Gibbs
Elspeth N. Gibbs
Elspeth N. Gibbs

L. Hull
R.A. & S.R. Brandt
Bo Milbank
Deb Smith

16. GF Chain Bracelet
17. SS Wire Spool Knitted
Bracelet

Ray Becker
Grit Turner

Natalya Swatz
Dr. Graham

18. Malachite/Onyx Pendant
19. Citrine Pendant
20. Sun Earrings
21. FW Pearl Necklace
22. CZ Pendant
23. Glass World Globe
24. Butterfly
25. Petoskey Stone in shape
of Michigan

Silvertown
David Graham
Silvertown
Mae Becker
Bob Werner
Ken Wise
F & L Minerals
Superior Gems & Minerals

W. Horton
Gayle Domorsky
Robert Wade
Grant LaFon
Harold Rice
Michael Swain
Nancy Glasgow
Harry Selman

26. Butterfly
27. Garnet Pendant
28. Faceted Gems-Garnet,
Aquamarine & Citrine

F & L Minerals
The Jewelry Shoppe
Ernie Aughenbaugh

Suzette Millard
Helen Bono
Nancy Glasgon

SHOW AND EVENT CALENDAR

January

- 3-12 Quartzsite, Arizona** Show; Free Admission Website: www.tysonwells.com
- 10-12 Denver, Colorado** Show; Denver Gem & Mineral Guild, Lakeside Center, I-70 at Harlan; Free Admission Email: jpayne@ci.inglewood.co
- 10-12 Phoenix, Arizona** Show, "Arizona Rockfest and Earth Science Fair." Mineralogical Society of Arizona, Tempe Diablo Stadium, I-10 exit 153
Email azrockfest@hotmail.com
- 17-26 Quartzsite, Arizona** 25th Annual Show; Free Admission, "Sell-A-Rama"
Website: www.tysonwells.com

March

- 8-9 Livonia, Michigan** The Roamin Club's 31st Annual Auction, Schoolcraft College, 18600 Haggerty Road, Livonia, Michigan; Don Brown (734) 421-8159
- 14-16 Michigan Center, MI** Show, "March Into Michigan Minerals," Michigan Gem & Mineral Society; 355 Napoleon Road, Michigan City, MI
Email hoskin@hartland.k12.mi.us
- 15-16 Canton, Ohio** 36th Annual Show; Stark County Gem & Mineral Club, Canton Memorial Center, 1100 Market Avenue North Email biheiks@raex.com
- 23 Southfield, MI** Great Lakes Beadworkers Guild's Spring Bead Bonanza, Southfield Pavilion, Southfield, MI

HOLMES, DR. WATSON, AND A STARRY SKY

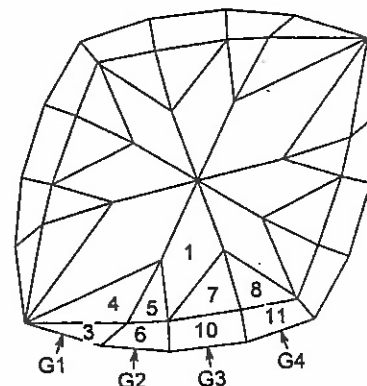
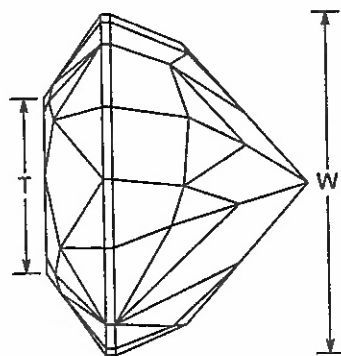
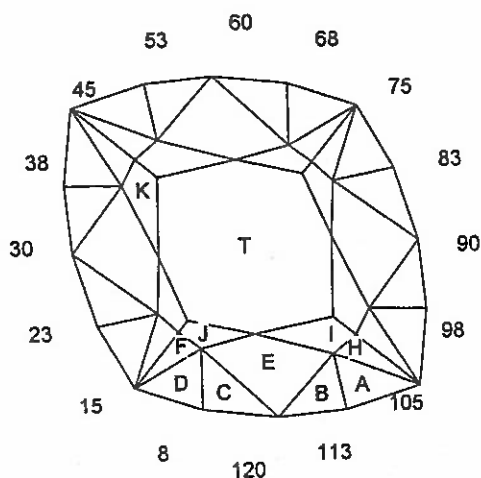
Sherlock Holmes and Dr. Watson went on a camping trip. After a good meal and a bottle of wine, they lay down for the night and went to sleep.

Some hours later, Holmes awoke and nudged his faithful friend. "Watson, look up at the sky and tell me what you see." Watson looked and replied, "I see millions and millions of stars."

"Watson, tell me what does that tell you?"

Watson pondered for a moment and then said, "Astronomically, it tells me that there are millions of galaxies and potentially billions of planets. Astrologically, I observe that Saturn is in Leo. Horologically, I deduce that the time is approximately a quarter past three. Theologically, I can see that God is all powerful and that we are small and insignificant. Meteorologically, I suspect we will have a beautiful day tomorrow. What does it tell you, Holmes?"

Holmes was silent for a moment and then spoke: "Elementary, my dear Watson, someone has stole our tent."
—unknown source, via Petrograph 3/02 and
Marin Mineral Society via MGAGS Summer
Bulletin 2002



Barion Rhombic Cushion 7-C1

Robert H. Matthew 2000

Angles for R.I. = 2.160

77 + 16 girdles = 93 facets

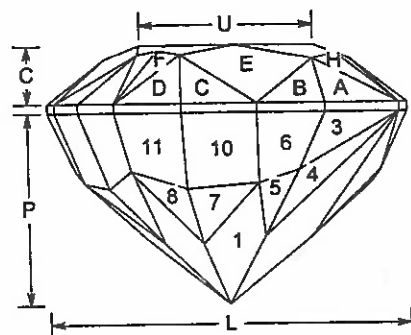
2-fold radial symmetry

120 index

L/W = 1.057 T/W = 0.510 U/W = 0.508

P/W = 0.565 C/W = 0.172

Vol./W³ = 0.329



PAVILION

1	41.00°	120-017-034-047-060-077-094-107
G1	90.00°	006-028-066-088
3	63.25°	006-028-066-088
4	43.25°	013-021-073-081
5	43.30°	006-028-066-088
6	66.90°	002-032-062-092
7	42.25°	035-059-095-119
8	42.75°	044-050-104-110
10	66.75°	036-058-096-118
11	67.00°	040-054-100-114
G2	90.00°	002-032-062-092
G3	90.00°	036-058-096-118
G4	90.00°	040-054-100-114

CROWN

A	37.75°	032-054-092-114
B	37.80°	028-058-088-118
C	38.50°	002-024-062-084
D	39.80°	006-020-066-080
E	35.00°	120-026-060-086
F	37.44°	008-018-068-078
H	34.52°	034-052-094-112
I	21.50°	056-116
J	21.50°	004-022-064-082
K	21.50°	030-090
T	0.00°	Table

VIA – FACETS, NOVEMBER, 2002

FACETERS SEMINAR

MIDWEST FACETERS GUILD



14th ANNUAL
FACETERS SEMINAR
AUGUST 15 – 17, 2003



AT
MOTT COMMUNITY COLLEGE
FLINT, MICHIGAN

THE MOST UP-TO-DATE FACETING SEMINAR IN THE U.S.

CLASSES OFFERED

Beginning faceting	P	Lost Wax Casting – Beginning
Advanced Faceting	L	Lost Wax Casting – Advanced
Open Class Faceting	U	Bead Workshop
GEM CAD (Computer Designing)	S	Chain Making: King's Link – Plus

EACH OF THE ABOVE CLASSES ARE TWO DAYS IN LENGTH
AS YOUR SKILLS LEVEL GROWS, PLAN A DIFFERENT CLASS LEVEL
EACH YEAR

SCHEDULE

August 15, Friday	4:00pm to 7:00pm Registration & Setup
	7:00pm to 8:30pm Welcome & Introductions
August 16, Saturday	8:30am to 5:30pm Classes
August 16, Saturday	6:30pm Banquet with speaker
August 17, Sunday	8:30 am to 3:30pm Classes

Registration required by July 24, 2003

SEMINAR INFORMATION PACKETS, LISTING CONTENT OFFERING OF
ALL CLASSES, WILL BE MAILED UPON REQUEST , AFTER MAY 1, 2003

FOR INFORMATION NOW – CALL OR WRITE:

HAROLD "ARIZONA" RICE

122 Lois Lane

Mt. Clemens, Mi. 48043

(586) 463-5972

2003 Calendar

SPECIAL EVENT
SEMINAR OR SHOW

BULLETIN MATERIALS DUE

MEETING

JANUARY

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	

FEBRUARY

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	

MARCH

S	M	T	W	T	F	S
30	31					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

APRIL

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

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

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					

JULY

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

S	M	T	W	T	F	S
31					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

SEPTEMBER

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					

OCTOBER

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

S	M	T	W	T	F	S
30						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

DECEMBER

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			