



THE ROCKFINDER

Highlights of this issue --

Additions to Roster	pg-5
Dare-Devil-Faceters	pg-5
Oh, Those Beautiful Cones	pg-7
Kid's Corner	pg-8

Mother's Day	14
-----------------	----

The Rockfinder
Michiana Gem & Mineral Society
7091 E East Park Ln
New Carlisle IN 46552

MICHIANA GEM and MINERAL SOCIETY
1995 BOARD OF DIRECTORS

President	----	Margaret Heinek	7091 E East Park Ln, New Carlisle IN 46552
Vice Pres	---	Ed Miller	3431 East 18th B Rd, Tippecanoe IN 46570
Secretary	----	Marie Crull	17651 Bryan St, South Bend 46635
Secretary	----	Pam Rubenstein	1316 Catherwood Dr, South Bend 46614
Treasurer	----	Pam Rubenstein	1316 Catherwood Dr, South Bend 46614
Liaison	----	Paul Godollei	1910 Ribourde Dr, South Bend IN 46628
Past Pres	----	James Russell	27911 North St, North Liberty IN 46554

COMMITTEE CHAIRPERSONS

Programs	---	Ed Miller	3431 East 18th B Rd, Tippecanoe IN 46570
Hospitality	---	Lorraine Jordan	52087 Central Ave, South Bend IN 46637
Educational	---	Gordon Dobecki	11900 Laughlin St, Mishawaka IN 46544
Librarian	---	Paul Godollei	1910 Ribourde Dr, South Bend IN 46628
Historian	---	Ed Miller	3431 East 18th B Rd, Tippecanoe IN 46570
Sunshine	---	Molly Elwell	105 N Ironwood Dr, South Bend IN 46615
Publicity	---	Meg Auth	1308 E Monroe, South Bend IN 46615
Membership	---	All Members	

The Michiana Gem & Mineral Society, a non-profit organization, and is affiliated with the Midwest Federation of Mineralogical and Geological Societies and with the American Federation of Mineralogical Societies.

Time:	2:00 PM EST	Place:	Our Redeemer Lutheran Church
General Meeting	4th Sunday of each month		805 S 29th St (29th & Wall).
July - No meeting	June - Field Trip Meeting		South Bend, IN
	August - Annual Club Picnic		December - Christmas Party

Board Mtgs: 2nd Wednesday, 7:00pm, South Bend (Main) Library, Basement Level.

ROCKFINDER STAFF: Editor Larry Hess 15358 Kerlin Dr, Granger IN 46530
Co-Editor Margaret Heinek 7091 E East Park Ln, New Carlisle IN
Staff Bob Heinek / Club Members

All contributions for publication should be in the hands of the Editor by the 10th of each month.
Call: (219 272-5431) Permission is hereby granted to reprint, at any time, items published in the ROCKFINDER provided due recognition is given.

cut ----- **cut**
Membership Dues are: Please send your dues and this form to
Michiana Gem & Mineral Club
c/o Margaret Heinek
7091 E East Park Lane
New Carlisle IN 46552

___ Individual	\$ 6.50 per year
___ Family	\$ 10.00 per year
___ Junior	\$ 2.00 per year

Please make address corrections to the mailing label (reverse side) and/or fill in the optional information below.
Check your SPECIAL INTERESTS: List Family Members (spouse and children):

General Geology ___	Beads ___	Name _____	Birth Mo/Yr _____
Gems & Minerals ___	Silversmithing ___		will attend meetings, yes ___ no ___

Fossils ___	Artifacts ___	Name _____	Birth Mo/Yr _____
Cabochons ___	Rockhound ___		will attend meetings, yes ___ no ___

Faceting ___	Carving ___	Name _____	Birth Mo/Yr _____
Crystals ___	Micromounts ___		will attend meetings, yes ___ no ___

Other _____

Name _____ Address _____

City St Zip _____ Phone _____ Birth Mo/Yr _____

THE ROCKFINDER

Volume 36
Number 5

MAY 1995

Published by:
Michiana Gem & Mineral Society

Meeting: Meeting: Sunday...May 21, 1995
Doors Open 1:30 PM
Meeting at 2:00 PM

----- Program -----
Timothy Keel's program on the Great New Madrid, MO Earthquakes and it's effect on the area.

Place: Our Redeemer Lutheran Church
805 S 29th St (29th & Wall)
South Bend, IN

Happy Birthday & Anniversary:

Hosts:

Phillis Smallwood
Kathy Miller
Mollie Elwell

May 1.....Addie Niebauer
4.....Betty Stout
12....Pam Rubenstein
13....Kathy Miller
22...Sue Fields
27...Alex Rubenstein
28...Bill Crull

BIRTHSTONE FOR MAY

EMERALD----A vivid grass-green colored beryl, one of the most highly-prized gem stones. It has been said that there are no "bad" emeralds, only that some are better than others!

Beryl crystals are hexagonal in shape with a flat termination. Common beryl is dull opaque green, aquamarine is blue, and other gem-quality beryls are morganite and heliodor. They have been synthesized in the laboratory and are available in jewelry.



May 1.....Chuck and Marge Collins
3.....Clayton and Gloria Merrill
4.....Ken and Betty Stout
4.....Stan and Jane Kile
11....Jo and Marilyn Meier
16....Bill and Marie Crull

Mother's Day 14



Thy father
and thy mother
shall be glad,
and she that
bare thee
shall rejoice.
Proverbs 23:25

MARGARET'S COLUMN-

Remember---our club meeting will be May 21, a week early due to Memorial Day weekend. So mark your calendar and come to hear an interesting program, by Timothy Keel of Osceola.

Tim's subject will be The Great New Madrid (MO) Earthquakes of 1811 & 1812. This program is suited for children 3rd grade through secondary, undergraduate and adult audiences.

Mark your calendar for the field trip on June 4th to the Chaney Quarry in Michigan, and the September 15-17 to southern Indiana. You must make arrangements for a seat on the bus and a cabin there.

August 13th will be our annual picnic at Clay Park, and this will be the last meeting we will have before the September show. As you know, we must have workers before, as well as at the set-up and during the show.

Chairman are still needed for displays and demonstrations at the show. Please volunteer for one of these committees. Plans must be made very soon in order to make sure we have displays as well as demonstrators during the show. COME ON VOLUNTEER.,

Larry Hess has received word that the ROCKFINDER and an article printed last year, has been placed in the top 10 in the MWF. We won't know where it placed or if it was sent to AFMS until the MWF Convention in October at Detroit Michigan.

Congratulations to Tom Noe, his article on *Seeing What's Really There* has been printed in the Northwest Federation Newsletter. We have two talented writers, Tom and Paul Godollei. Congratulations..

Speaking of the Northwest Federation, the AFMS and NFMS combined show will be held in Boise, Idaho July 13-16, 1995. They are some July field trips being organized by the Idaho Gem Club,

coinciding with the Federation show, in conjunction with the Nyssa Thunder Egg Days. Thursday July 13 (two trips). IGS to a pay dig on Willow Creek and Nyssa to Haystack Butte. Friday July 14 to Hogg Creek and Nyssa to Jamison Wood Bog. Saturday July 15 to Bruneau Woodpile area and Nyssa to Graveyard Point. If you think you will be in the area and would like to go on one of these, contact the Idaho Gem Club, PO Box 7521, Boise, Idaho 83707.

Bob and Kathy Miller, Bob and I will be in Boise for the show/Convention. Bob as the MWF Competition Chairman and I as the 1st Reg.V-Pres of the AFMS. I am looking forward to this trip. *Margaret*

=====

GOOD HUNTING

By Belle Meyers

Spring is busting out all over,
Wish I could bust out too,
Forget the work that's piling up,
Go find a rock or two.

They're just waiting over the hill
For me to search them out,
And anyone within four miles
Would surely hear me shout.

The birds would sing a love song,
And start to build their nests,
Now and then take a lunch break, And
feast on insect pests.

At night we'd hear the coyotes sing
Their ever-lonesome song,
And maybe if the moon were high
We'd join and sing along.

It's time to put the dreams away,
Dig out the camping gear.
We wish you all good hunting,
A safe and rock-filled year

From CARNEY HOUND, Mar. '95 via NWF.

Tom Noe has volunteered to run the Silent Auction at the September Show. He asks that you remember to get items for this booth, especially while out rock hunting this summer.

MINUTES OF THE APRIL MEETING-

The meeting of the Michiana Gem & Mineral Society was held April 23, 1995 at Our Redeemer Lutheran Church.

V-President Ed Miller opened the meeting at 2:05 P.M. filling in for President Heinek.

Ed Miller entertained a motion to accept the minutes of the March meeting as printed in the ROCKFINDER., moved by Paul Godollei and seconded by Bill Crull.

Pam Rubenstein gave the treasurer's report. Irene Ungurait made a motion, seconded by Margaret Schultz to file for audit.

Bill Nelson Sr. & son, Bill Nelson, Jr were introduced as new members. Also joining was Kevin and Kate Johnson who joined the club.

Loraine Jordan complemented our hostesses Bess Wise, Fred and Addie Niebauer.

Librarian, Paul Godollei brought books and said anyone could sign them out for a month.

Molly Elwell reported on sunshine. She sent a card to Dewey and Nina Hassler who have been under the weather, but are feeling better now. Also, she sent birthday and anniversary cards for all the April people.

Publicity - No report.

A report was given by Kathy Miller on a field trip June 4th to drive to Cheney Quarry which would take 1 1/2 hours to drive to. There are still 7 openings left for the September 15-17 trip. Please contact Kathy by June 3rd if you are interested in going, at 291-0332.

NEW BUSINESS:

Gordon Dobecki was not present to give his final report on his research for the TV/VCR.

Marie Crull contacted Clay Park for

our annual picnic which will be held on August 13th.

Paul Godollei told about his display from Florida and Kentucky. Our new junior member, Bill Nelson, displayed fluorite from Cave-in-Rock, Illinois and sapphires from Canton, NC.

Ed Miller spoke on a tape from House of Onyx which will be shown at a future club meeting. If anyone is interested then, they may purchase a copy.

Refreshments were served followed by a discussion, showing of brochures for putting a book together by our club members.

Please add to your directory:

Kevin & Kate Johnston
57987 County Road 100

Elkhart, IN 46517.....(219) 674-2660

There were 17 adults, 3 juniors and not guests. Meeting adjourned at 4:00 P.M.

Marie Crull, Secretary

=====

DATES TO REMEMBER-
UP COMING SHOWS

May 19-21 Dearborn Civic Center, Michigan and Greenfield, host Midwest Mineralogical Society.

June 23-25 Mineral Show and Swap, host, Lawrence County Rock Club. Monroe Co 4-H Fairgrounds, Bloomington, IN.

July 13-16 AFMS Convention, Boise, Idaho

Aug 7-11 Red Metal Retreat, Mich. Tec. Univ., Houghton, MI.

September 1-3 Michiana Gem & Mineral Soc. South Bend, IN

September 8-10 Toledo, Ohio



**CHENEY LIMESTONE QUARRY JUNE 4
MORGAN MONROE/BROWN COUNTY
SEPTEMBER 15-17**

GET YOUR ROCKHOUND EQUIPMENT READY- THERE'S GOING TO BE A DRIVE UP FIELD TRIP TO THE CHENEY LIMESTONE QUARRY ON JUNE 4. WE WILL BE LOOKING FOR FOSSILS, PYRITE AND CALCITE. IF THERE SHOULD BE A LIGHT MIST OR RAIN THE TRIP IS STILL A GO. THE PICKING IS EASIER TO SEE. IF THERES A HEAVY RAIN THE TRIP WILL BE CANCELED. BRING STRUDY SHOES, OLD CLOTHES, A GALLON OF WATER TO WASH YOURSELF, YOUR SPECIMENS, OR JUST FOR DRINKING. A SACK LUNCH AND SNACKS ARE VERY IMPORTANT. MANY MEMBERS HAVE SAID THEY MIGHT GO BUT.....THEY HAVE ALL THAT TYPE OF SPECIMEN ALREADY. WELL— HOW ABOUT STUFF FOR THE CLUB BOOTH, KIDS CORNER, NEW MEMBERS, OR PASS OUT FOR PROGRAMS GIVEN OUTSIDE OF MEETINGS DURING THE YEAR.

DIRECTIONS TO QUARRY- TAKE EITHER 20BYPASS OR THE INDIANA TOLL WAY TO INTERSTATE 69. GET OFF AT THE BELLEVUE/OLIVET EXIT- EXIT 48. TURN LEFT TO STOPLIGHT, TURN LEFT AGAIN ON M78. GO APPROXIMATELY 6 BLOCKS AND YOU WILL SEE A RIVER AND BRIDGE. TAKE A HARD RIGHT WHERE AT THE TOP OF HILL YOU WILL SEE THE CHENEY LIMESTONE QUARRY SIGN.

MORGAN MONROE STATE FOREST - SEPTEMBER 15-17

ONLY SEVEN OPENINGS LEFT FOR OUR 47 PASSENGER BUS
THE DEADLINE IS JUNE 3.

THIS IS GOING TO BE A GREAT TRIP FOR EVERY AGE.

THERE IS NO CHARGE FOR THE BUS BUT THE CABINS AT BROWN COUNTY ARE AS FOLLOWS: CABIN WITH DOUBLE BED \$47.30, (I have 1 left). CABIN WITH 1 DOUBLE & 1 SINGLE BED \$49.50.(I HAVE 7 LEFT). AS SOON AS THE BUS SEATS ARE FILLED, I AM CANCELING THE REST OF THE CABINS.

PLEASE MAKE OUT ALL CHECKS TO THE ABE MARTIN LODGE- NOT TO ME!!
REMBEMBER IT IS FOR TWO NIGHTS...

FRIDAY - DRIVE TO BROWN COUNTY STATE PARK

SATURDAY- COLLECTING GEODES/FOSSILS/ OTHER
LATE AFTERNOON EXPLORING NASHVILLE, IN
DINNER IN ABE MARTIN MAIN LODGE

SUNDAY - EARLY MORNING COLLECTING, VISITING THE LITTLE AFRICA
WILDLIFE AREA TO HOPEFULLY SEE BALD EAGLES AND/OR
STROLL THE TRAILS

LUNCH - NOT DECIDDED YET WHERE
INDIANA STATE MUSEUM- THIS IS THE MEETING PLACE OF
THE 500 EARTH SCIENCE CLUB.IT SHOULD BE INTERESTING.
THEIR CLUB MEMBERS AND THE CURATOR ARE AWARE WE
ARE COMING AND HAVE BEEN MOST ACCOMODATING

FIELD TRIPS ARE FUN!

KATHY MILLER
FIELD TRIP CH.

ADD TO ROCKFINDER ROSTER

Robert N. Steel
1308 White Oak Drive
South Bend, IN 46617
233-5572

Keven & Kate Johnson
57987 County Rd. 100
Elkhart, IN 46517
(219) 674- 2660

Stan and Jane Kile
3313 S. Whitcomb Ave
South Bend, IN 46614
(219) 291-8299

Hal and Bonnie Brueske
52741 Arbor Drive
South Bend, IN 46635
(219) 272-8510

Henry Foster
48 Holstein
Niles, MI 49120
(616) 683-5536

Alice Garwood
56389 Penn Rd
Cassopolis, MI 49301
(616) 445-3425

**DARE-DEVIL FACETERS CUT THE
WORLD'S LARGEST CZ**

From the world of faceting comes the news that a record breaking cubic zirconia has been cut by six member group calling themselves THE-DARE-DEVIL-FACETERS, dedicated to cutting record breaking large stones.

The members found a 10.58 lb CZ in Quartzsite in Feb. 1994. The CZ weighed a huge 24,000-cts and intrigued these faceters who had just finished "The Lady", the world's largest faceted quartz, which weighed 44,742 carats. They enjoyed the experience and were looking for another challenge to their cutting skills. The cutting began September 1994 and was finished November 10. The finished CZ weighs 5.59 pounds, or 13,678 carats, and was christened "The Countess" in keeping with the faceters fascination with how each piece of rough is identified with the good women in their lives. The Dare-Devil-Faceters hope to sell "The Countess" at the 1995 Tucson Show. The money will set them on another search for big material that can be cut.

The members of the-Dare-Devil-Faceters all belong to the Intermountain Faceters Guild, composed of faceters from northern Utah and southeast Idaho. In the eight short years the guild has been in existence, this small group has accomplished many worth while things. They have hosted three Northwest Faceting Conferences: two in Sun Valley and one in McCall, Idaho, and raised thousands of dollars for the AFMS Scholarship Fund through their annual Scholarship Auction at the Northwest Federation's Annual Show and Convention. They hold single stone competitions at least twice a year for their club members and have hosted two shows in Burley, Idaho and publish a newsletter before each meeting.

The Dare-Devil-Faceters are Dick Glismann, Ed Romack, Dallas Hales, Cal Miller, Cliff Jackson and Carl Unruh.

Midwest Federation News

The MWF Spring meeting was held in Cincinnati, Ohio on May 6th. Bill and Marie Cruel, Bob and Kathy Miller and Bob and Margaret Heinek attended.

The Hannings, Mary 2nd V-President MWF, and Glenn, Past President of MWF, were on the way to the meeting. They had gotten a few miles, when Glenn began feeling ill, went to the hospital where it was apparent that he was having a heart problem. Glenn was in the hospital, but he may be home by now. Their address is Rt #1, Box 63, Huntsville, IL 62344. I know he would enjoy a card.

The MWF Directory was available at the meeting, so we picked up copies for sale to the club members. They are \$2.00 each and are very informative when one is traveling in the mid-west on show dates and places.

We also picked up copies of the updated FOSSIL LIST. They are \$1.75 and will be available at the next meeting.

The fliers for the Greater Detroit Gem & Mineral Show and Midwest Federation Convention and Show to be held in Detroit, Michigan October 13 - 15, 1995, are also available. If you want a copy, please let Margaret Heinek know and we can make a copy for you. Plan to attend this convention.

Plan your 1996 vacation to attend the Midwest Federation Show and Convention which will be held in Macomb, Illinois July 26 - 28. This show is known as the Geodeland Show.

A BRIEF WARNING...

Do not heat rocks in a microwave. The moisture in rocks will explode as the rock is heated. It does not kill you, it will most certainly kill the microwave.

From Sooner Rockologist, via CFMS Newsletter and Rocky Road News.

20 MILLION YEAR OLD MAGNOLIA

Fossil magnolia leaves have been discovered in Northern Utah. Unlike any other fossil plants, these well preserved specimens have yielded DNA. The unique preservation was the result of having been deposited in a cold lake and rapidly buried. Researchers, including Michael Clegg of UC Riverside, extracted deoxyribonucleic acid (DNA) from a specimen and were able to determine its chemical make-up. With this analysis they could ascertain the relationship between present day descendants and their fossil counterparts.

From *Fossils for Fun Society, Inc, Dinney's Doin's* October 1994 via *Fossilletter (5/90)* via *Pegmatite*.

LARGEST GEODE.....

The largest geode known was discovered in Rio Grande de Sul, Brazil. Its length was 33 feet, its diameter was 10 feet one way and 16 1/2 the other.

The weight was estimated at 70,000 pounds. The interior was completely lined with amethyst crystals. After being broken up, it provided tons of amethyst crystals and many fine gemstones. One 400 pound section of the geode is at the Smithsonian.

From Glenn Morita & The Contact Zone, via Smoke Signals.

DON'T KEEP IVORY IN THE DARK

Ivory is one substance that needs light. If you keep it in a dark location, it turns yellow. If it has started to yellow, you can retard this by taking 1/2 lemon, sprinkle it with salt, then rub it with salt, then rub it over the ivory object. The lemon will remove the yellow. After the ivory is dry, dampen a soft cloth with lukewarm water and rub the piece to give it a bright shiny finish. The Agate Explorer, via Shawmish Raktawk, via Cedar Valley Gems. Jan 1995

OH, THOSE BEAUTIFUL CONES!
by Vernon Bryant
from OAK CLIFF ROCKHOUNDER 3/90

It seems that every year at Quartzsite something new is introduced or something old is emphasized. One year there were hundreds of amethyst tubes. Another year sugelite came on the scene. Then there was Mary Ellen jasper. This year (1990) was no different. Picasso stone was seen for the first time and was prominent in both Quartzsite and Tucson. However, this year there was something else that created quite a stir of excitement among fossil wood collectors. Fossil pine cones from Patagonia was the topic of much animated conversation.

When a fossil wood collector sees something new and beautiful he immediately feels a strong urge to own a specimen, and naturally I felt that urge. However, it seemed impossible because the price of the cones was out of reach. Through the years I have bought very few fossil specimens, preferring to find my own. However, when one passes 80 years of age the manual labor involved is prohibitive. Then, too, a trip to Patagonia must be very expensive. What is a poor fellow to do? I solved the problem by trading some excess palm wood for two beautiful cones, one uncut and the other cut and polished.

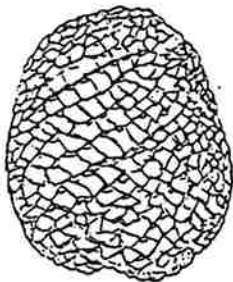


Fig. 1
Uncut cone

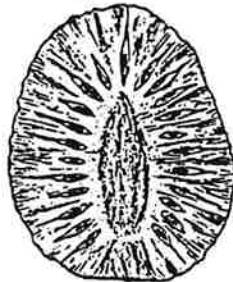


Fig. 2
Cut and polished cone

The uncut specimen (Fig. 1) reveals the diamond shaped tufts, which represents the ends of bundles of interstitial tissue between the seeds. On the cut section (Fig. 2) the central core is prominent. In this cone the immature seeds are readily seen, each seed enclosed in a protective sac called the seed scale. Some cones, as this one, are brightly colored in shades of tan to pink. Others are in shades of gray to black. Of course, those showing seeds distinctly are considered the most desirable.

According to Dr. G.R. Wieland, researcher at Carnegie Institution of Washington, the keeper of a remote trading post in Patagonia brought out some cones in the second decade of this century. In 1919 Dr. A. Windhausen of the Argentine Geological Survey first saw the cones and decided they came from the Triassic sediment. It was volcanic soil, and Dr. Windhausen described it as being polychrome, from tan to vivid red, to violet. The erosion was such that at a distance some of the free standing hills looked like palaces.

In 1923 Dr. E. S. Riggs headed an expedition for the Chicago Field Museum of Natural History that went into Patagonia to research the area. The party was not too successful for a few months, but one day they met a sheepherder who told them of a ranch where there were cones. They reached the ranch in late afternoon and spent the night there. Early the next morning, May 9, 1924, they started out on horseback. About three miles away, to quote, "a cone was found, and presently a petrified stump was reached on which lay a half bushel of gathered cones. Amazing! Then nearby was seen another tree, prone, with the broken stump and upturned roots, the broken branches, and the cones as if they were *in situ*. A number of logs 2-1/2 feet in diameter lay around about." (Wieland, 1935, p. 11)

These cones were from the Araucarian family, similar to those found in North America. There were several species, the principal ones being Proaraucaria mirabilis, described in this paper, and Pararaucaria patagonica, which produced much smaller cones. The name "Araucarian" comes from Arauco, a province in southern Chile, and the Araucarian Indians, who now use seeds from present day Araucaria imbricata as a main food item.

A large area where the fossil woods and cones were originally found is now the Cerro Cuadrado Petrified Forest.

REFERENCE

Wieland, G. R. The Cerro Cuadrado Petrified Forest. Carnegie Institution of Washington, No. 449, 1935.

Have you heard of the rockhound who upon being employed at Wrigley Field to cut grass, then told everyone that he was a "diamond cutter."

from DEMIND ROCK CHIPS via PEGMATITE 1/83

Kid's Corner!

The Möbius Strip: A Singular Phenomenon

Materials:

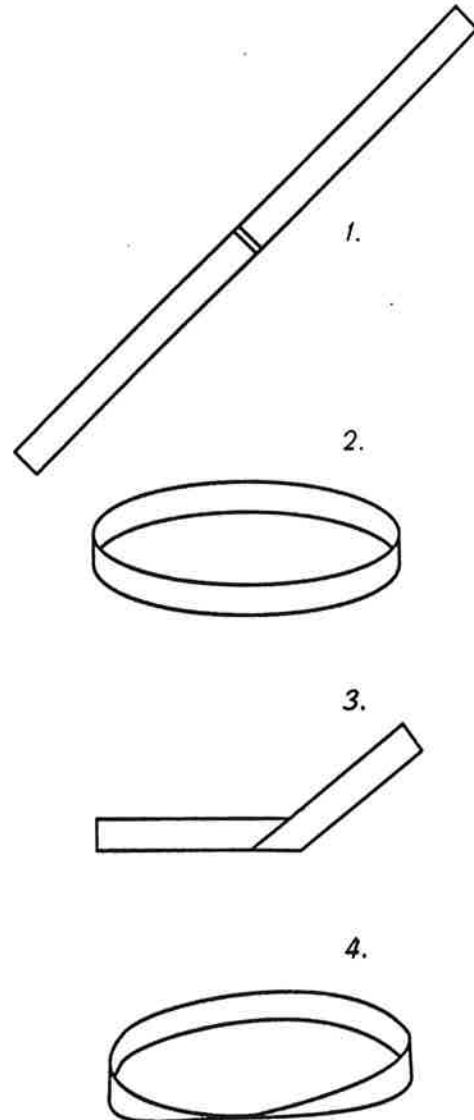
- One piece of paper, 8 1/2 by 11 inches
- Ruler
- Transparent tape or glue
- A pencil or crayon
- A pair of scissors

Procedure:

1. Using the ruler and pencil, divide the paper into rectangles that are 1 inch wide and 11 inches long. Cut the rectangles out of the paper. Tape two of the strips of paper together, end to end. You should now have a strip that is 21 inches long and 1 inch wide.
2. Take this strip of paper and make a circle by taping or gluing the ends together. With your pencil, try to draw a line on both sides of the circle without crossing the edges or lifting your pencil. Did it work?
3. Make another strip that is 21 inches long and 1 inch wide by taping the smaller strips together. Take this strip of paper and hold it at both ends. Give it a half twist and tape or glue the ends together.
4. You now have a Möbius strip. Draw a circle, star or other shape on the Möbius strip. Now draw a line from the shape, around the Möbius strip and back the starting point without lifting your pencil. Does the line show up on both sides of the paper?

Let's Think About It:

Before you taped the ends together, the strip of paper was a rectangle with **four** edges and **two** sides (or faces). When you joined the edges and created a circle, it then had **two** edges and **two** sides. When you twisted the strip and joined the edges, you created a Möbius strip, which has only **one** side and **one** edge. The Möbius strip was the first one-sided, one-edged object to be discovered. It was created in 1858 by Augustus Ferdinand Möbius, a German mathematician and astronomer. Since then, the Möbius strip has been used and tested by many scientists, artists, mathematicians and writers.



Other Experiments to Try:

With your scissors, cut the Möbius strip along the line you drew. What did you end up with? You should have created a long, narrower ring-shaped strip with **two** half twists.

Cut the long, narrow strip again. What did you end up with? Were you surprised?

Adapted from Fractals, Gougals and Other Mathematical Tales by Theoni Pappas