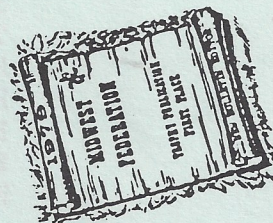
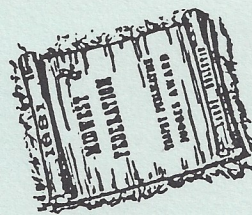


OCTOBER 1989



Grand Rapids Mineral Society
Ruth Beauvais, Editor
Robert E. Beauvais, Publisher
3308 Wilson SW
Grandville, MI 49418

FIRST CLASS

HERE'S YOUR GLACIAL DRIFTER!

M/M Robert E. Beauvais
3308 Wilson SW
Grandville, MI. 49418



THE GRAND RAPIDS MINERAL SOCIETY

President	Robert Beauvais	534-3871
Vice-President	Val Katelnicks	874-6466
Secretary	Arlene King	532-6239
Treasurer	Ted Duprey	532-3841
Historian/Librarian	Crystal Boogaart	451-3274
Past President	Donn Cuson	
Liaison Officer	Robert Beauvais	534-3871
Editor	Ruth Beauvais	534-3871
Publicity	Peter Boogaart	451-3274

The Grand Rapids Mineral Society, founded in 1958, is a non-profit corporation and is a member of the Midwest Federation and the American Federation of Mineral Societies.

Meetings are held on the third Wednesday of each month at 7 p.m. unless otherwise noted. We meet in the Geology Department (usually in Room 247) of the Grand Rapids Junior College, 143 Bostwick NE, Grand Rapids. Summer meetings are held at various parks or at members' homes and are usually picnics.

Membership dues are \$8 per year for a family; \$6 per year for an individual member and \$4 per year for a student under 18. Dues are payable to the treasurer in September of each year. Those joining from March 1 thru July 31 shall pay one-half the annual dues. Unpaid memberships will be dropped from the roll in December.

All material for publication shall be in the hands of the editor no later than the first Monday of the month. Permission to reprint articles appearing in THE GLACIAL DRIFTER is hereby given provided proper credit is given. Advertising in THE GLACIAL DRIFTER is limited to a uniform size of one-third page at the rate of \$3 per issue, September thru June. Each member is entitled to one free ad per year.

Exchange bulletins should be mailed to the editor.

We welcome visitors to all our meetings and encourage them to return whenever possible.

CRYSTAL GAZING - THE PRESIDENT'S PAGE

THE GLACIAL DRIFTER

Bulletin of The Grand Rapids Mineral Society
Grand Rapids, Michigan

Volume 32

Number 2

Our October meeting will be on Wednesday, October 18, beginning with the business meeting at 7 p.m. We will meet in Room 247 of Grand Rapids Junior College. At 8 p.m. Ted Duprey will present the program, "Big Bend Country, Texas."

PLACES TO GO

The 1989 show season is just about over, only two left in our area, both on the same week end.

Oct. 27-29 "Nature's Kaleidoscope" - show by Central Michigan Lapidary & Mineral Society in the Military Sciences Building on the Michigan State University Campus in East Lansing. Hours are Friday 6-9, Saturday 10-8, Sunday 10-5.

Oct. 27-29 Midwest Faceters Guild Show at the Dearborn Civic Center, 15801 Michigan Ave., Dearborn, MI. Hours are Friday 6-9, Saturday 10-6, Sunday 10-5.

It's not too early to plan for the coming MNF show to be held in Evansville, Indiana next June.....a great way to spend a vacation!

A SPECIAL INVITATION

The Indian Mounds Rock & Mineral Club will hold a silent auction on Tuesday, October 17, beginning at 7 p.m. at Sunset Park Church of God, 3450 Michael in Wyoming. Not only are you invited to join the bidders, but you may also bring items for bidding. Be prepared to fill out a bid sheet with a minimum bid, name and location of origin, if possible. We suggest you set your bid lower than possible value to encourage bidding. The selling price will be split 75%/25% with the Indian Mounds Club. Come out for a fun evening and an opportunity to find a treasure, and also to make your excess material profitable. Refreshments will also be available.

"These rock formation," said the guide, "were piled up here by the glaciers." "But where are the glaciers?" asked a curious lady. "They've gone back, Madam, to get more rocks," replied the guide. via many bulletins and The Glacial Drifter (Kansas) 8/89

CRYSTAL GAZING - THE PRESIDENT'S PAGE

By the time you read this "GLACIAL DRIFTER" the Detroit Show will have started (or perhaps ended), and you can concentrate on our next meeting at GRJC. Remember - your parking in the JC ramp is free if you have a "LIFETIME GOLDEN AGE PASS." You can obtain one from your local Board of Education - if you are a "golden-ager."

In addition to our program for the evening, Karl Bruder has a couple of "small" jobs he would like done. There are specimen boxes to be set up for classes, and some minerals to be put into vials and sealed.

One of the display cases at JC will be available to us for the month of November. Any volunteers?

When you read the minutes of the September meeting, you will note that a suggestion was put forth that we provide programs about our hobby to retirement residences. In the discussion that followed it was also suggested that we provide the same kind of service to area schools. Think about this, and if you have any ideas on how we could do this, bring them with you to the meeting.

It pleases me to welcome Doug and Deb Valentine as new members of our Mineral Society. Doug was at our September meeting and joined then. Their address is 4712 Abrigador Trail NE, Comstock Park, MI 49321. The phone number is 734-6874. They are also members of the Indian Mounds Rock and Mineral Club. Be sure to give them a personal welcome when you see them.

See you October 18.

SEASHELLS TO OIL?

During the late 1820's, Samuel Marcus, who owned a small novelty shop in London, took his family to the seashore on a hot summer day. The children were fascinated by the shells they found, especially the Pecten type (scallop) which they attached to their lunch boxes, and showed them to their father. Mr. Marcus was pleased with the shell boxes, and felt that similar boxes could be marketed.

This curio shop soon became known as the SHELL SHOP when his new product became popular all along the coast. Profits grew from the commercial marketing of shells and manufacture of mother-of-pearl. By 1830 he had built a large international trade in Oriental curios and copra.

Barreled kerosene was added to his growing cargo list and rapid expansion of world-wide activities resulted in the consolidation of his business under the name of Shell Transport and Trading Oil Company - a name, along with its emblem, which is known the world over, because the Marcus children really took a fancy to seashells!

NUGGET NEWS via THE GLACIAL DRIFTER (Kansas)

ALETA'S ROCK SHOP

1515 PLAINFIELD NE
GRAND RAPIDS, MI 49505

PHONE
363-5394
AREA 616

PROPRIETOR
Rudy Jauw

ROUGH AND TUMBLÉD STONES

LAPIDARY SUPPLIES

JEWELRY SUPPLIES

TUMBLING AND CUTTING MATERIAL

HOURS

Monday thru Thursday - 9:30 a.m. to 6 p.m.
Friday 9:30 a.m. to 8 p.m. - Saturday 9:30 a.m. to 5 p.m.

MINUTES OF THE MEETING - SEPTEMBER 20, 1989

The meeting was called to order at 7 p.m. by President Bob Beauvais. Our secretary was out of town and Ruth Beauvais was appointed secretary pro-tem.

As there were no minutes taken at the summer meetings, none were read.

Treasurer's monthly report was read, followed by his annual report.

Coming shows were announced. The Indian Mounds Rock & Mineral Club has invited us to join them at their silent auction on Tuesday, October 17. There will be a 75/25 split on auction materials.

The decision was made to omit refreshments at meetings at GRJC.

A collecting trip to Baraboo, Wisconsin, was discussed for next year.

New Business: Rich Van Beek, Program Chairman, said he planned on depending on club members for many programs this year. He also suggested we contact retiree residences to present programs about our hobby. There was a discussion of how to be of service to others, and how to gain new members.

The meeting was adjourned, and Mr. Karl Bruder of GRJC presented a slide program, "Pillow Lavas." This was a most interesting film, all photographed under water.

Mr. Bruder reported he will soon have a display case and he would like us to alternate with the geology department in providing monthly displays, but he was not sure when this would begin.

Respectfully submitted,

Ruth I. Beauvais, Secretary Pro-tem

YOU THINK YOU HAVE FOUND A METEORITE....
BUT HOW DO YOU KNOW FOR SURE IN THE FIELD?

One way to tell if your rock is a meteorite in the field is to always carry a piece of emery paper with you and if in doubt, just rub the stone with the paper. If it is a meteorite it will disclose bright specks of iron and nickel.

-Dr. H. H. Nininger, American Museum
via Rock Rollers 5/89

TREASURER'S ANNUAL REPORT 1988-89

Checking Account Balance, August 15, 1988 \$ 374.84

Income: Memberships	130.00	
Donation - Dr. Rose	25.00	
For Blandford Nature Center gift	65.00	
Aleta's Rock Shop - advertising	30.00	
Trans. from Scholarship Savings	<u>100.00</u>	
		<u>350.00</u>
		<u>724.84</u>

Expense: Midwest Federation Dues	30.00	
" " Endowment Fund	30.00	
Gift to Blandford Nature Center	65.00	
State of Michigan Filing Fee	10.00	
" " Reincorporation Fee	10.00	
Bank service charges	3.30	
Richard Flanders Scholarship Fund	100.00	
Programs		
MWF	5.00	
Rich Van Beek	2.71	7.71
Glacial Drifter		
Postage	175.00	
Stencils	41.29	
Cover printing	60.27	276.56
Anniversary Dinner		
Speaker fee (returned by		
Dr. Rose - see above)	25.00	
Supplies - Duprey	43.95	
Supplies - Beauvais	29.49	
		<u>98.44</u>
Checking account Balance, September 12, 1989		\$ <u>93.83</u>

Savings Account		Scholarship Savings	
Balance, 8/15/88	\$ 798.69	Balance 8/15/88	\$ 326.42
Receipts: Coffee	7.75	C.D. Interest	69.22
Interest	44.07	C.D.	800.00
Balance 9/12/89	\$ 850.51	Savings Account Interest	31.38
		Scholarship Total	\$ 1,227.02
		Trans. to savings	100.00
		Scholarship savings 9/12/89	1,127.02

Total of all accounts 9/12/89 \$ 2,071.36

-Ted Duprey, Treasurer

ABOUT PEGMATITES

By Ernie Hanlon

What is a pegmatite? A pegmatite is a giant granite. To elaborate: a pegmatite has the same basic constituents as granite (quartz, feldspar and mica), except that they are larger in size. In basic granite, the rock forming minerals usually crystallize in sizes between 1mm (.04 in.) and 3 cm (1 in.). In pegmatites, the minerals can crystallize into larger sizes. It is not uncommon to find crystals over a meter (39.375 in.) in length in large pegmatites. Large pegmatites may extend several kilometers (over 3,000 ft.) in length, but most large pegmatites are between 30 m. (100 ft.) and 300 m. (1,000 ft.) in length and from 1'5 m (5 ft.) to 30 m (100 ft.) thick. Crystals can grow to tremendous sizes. Quartz crystals 5.5 m. (17 ft.) long by 2.5 m. (8.3 ft.) in diameter, orthoclase 10 m. (33 ft.) by 10 m., beryl crystals 6 m. (19 ft.) or more in length, tourmaline crystals 10 ft. long, and mica sheets up to 7 square meters (68 sq. ft.) of surface area have been found.

Pegmatites begin as a concentrated residual melt, rich in water, chlorine, boron, and other elements, deep within the earth and under extreme pressure and heat. As the surrounding granite or rock begins to solidify, the minerals become more concentrated. Eventually, the concentrated material cools, and if the cooling is slow enough, large crystals begin to form. After eons of uplift and erosion, the pegmatites are exposed on the surface.

Pegmatites are basically dike-like bodies, but because of their irregular form, they are better thought of as veins. Naturally, the shape of a pegmatite is influenced by the type of rock that surrounds it. Pegmatites can be spherical, bowed or curved, pipe like, tear shaped and irregularly branched, but most often they are lens shaped or table like.

Pegmatites can be classified as either simple or complex. Simple pegmatites are those that contain the common minerals of quartz, alkali feldspars, and mica. The complex pegmatites result from the crystallization of the last gaseous portion of magma, containing higher concentrates of rarer elements. So, naturally, the complex pegmatites contain a greater variety of minerals, including the rarer ones.

Even if the pegmatites only contain quartz, feldspar, and/or mica, some extremely beautiful and valuable specimens can occur. Even a smoky quartz sitting on a white microcline base can be the prize specimen in someone's collection. In the Pikes Peak region, the feldspar may be the variety amazonite, a beautiful bluish or greenish microcline, valued by many.

Large pegmatites usually have three or four distinct zones with different assemblages of minerals in each zone. The zones are the outermost zone, the wall zone, the intermediate zone which may be absent in some pegmatites, and the core. Most of the pegmatites in Colorado seem to have a graphic granite surrounding a cavity that may or may not contain crystals. Pegmatites are usually associated with igneous rocks, but they can be found in sedimentary and metamorphic rocks.

-next page, please

ABOUT PEGMATITES (concluded)

The crystal seams or pockets are found in three types: (1) in-situ (open cavities), (2) collapsed cavities or pockets, and (3) float pockets. The majority of pockets found in Colorado are of the collapsed variety, and are filled with a reddish, maroonish, or brownish clay-like soil. Indications of a pegmatite pocket would be crystals or pieces of crystals or quartz, feldspar, or mica. Sometimes a depression or roll on the surface of the ground might indicate a pegmatite. Also the change of soil color to a red, maroon, or brown just might indicate a pegmatite nearby.

-from PICK AND PACK 2/89 (Colorado Springs Mineralogical Society)
via THE GLACIAL DRIFTER (Kansas) 9/89

FROM THE MIDWEST FEDERATION NEWSLETTER..... September 1989

LETTER FROM YOUR PRESIDENT

Here it is, late July, and the heat of summer is with us. The year is passing quickly and so far we have visited the National Show in Portland and, of course, our own Federation Show in Kalamazoo just a few weeks ago.

I know it would be nice to be able to thank each of you personally for the effort and work you have done this year to keep the Federation strong and healthy. The committees have continued their work and kept the ship of state stable. Some committees seem to have more to do than others, and the chairs are overworked. It should not be construed that I favor one over the other, but we have to notice the contributions of publications, endowment, show and program committees and especially their chairs. Unfortunately we did not get all of the committees activated this year so we shall continue to push for volunteers.

The auditing committee was reactivated during the year and up until now has audited the books of the Endowment Fund. They will audit the remainder of the Federation funds at the close of the year, October 31.

An adhoc committee to strengthen the organization of the Endowment Fund was created and they came up with a document that will serve the management of the fund and at the same time represent no divergence from the current constitution or operating procedures. A lot of paper went through the mail to bring about an understanding.

Most of all, for the past year, I want to thank the current officers. Through their good works we have made countless phone calls, typed numerous memos, and spent hours in discussion. A president can only do what he does if the officers help, for they provide the information for the operation of the organization to guarantee continuing success.

So many thanks to all, nameless here, but not in my memory.

Ben Moulton, MWF President

Dr. Moulton's term will end this month and Glen R. Hanning will become president, Margaret Heinek, 1st vice-president, Harold McClub, 2nd vice-president, while Jeann Reynolds continues as secretary and Kitty Starbuck as treasurer.