



ARROWHEAD NEWS

Wyoming, Michigan



Congratulations to Harry Brummel !!!

Nancy Spalenka gives Harry at our May meeting a certificate of appreciation for service being Chairman of the Indian Mounds Rock and Mineral Shows since the beginning!!!

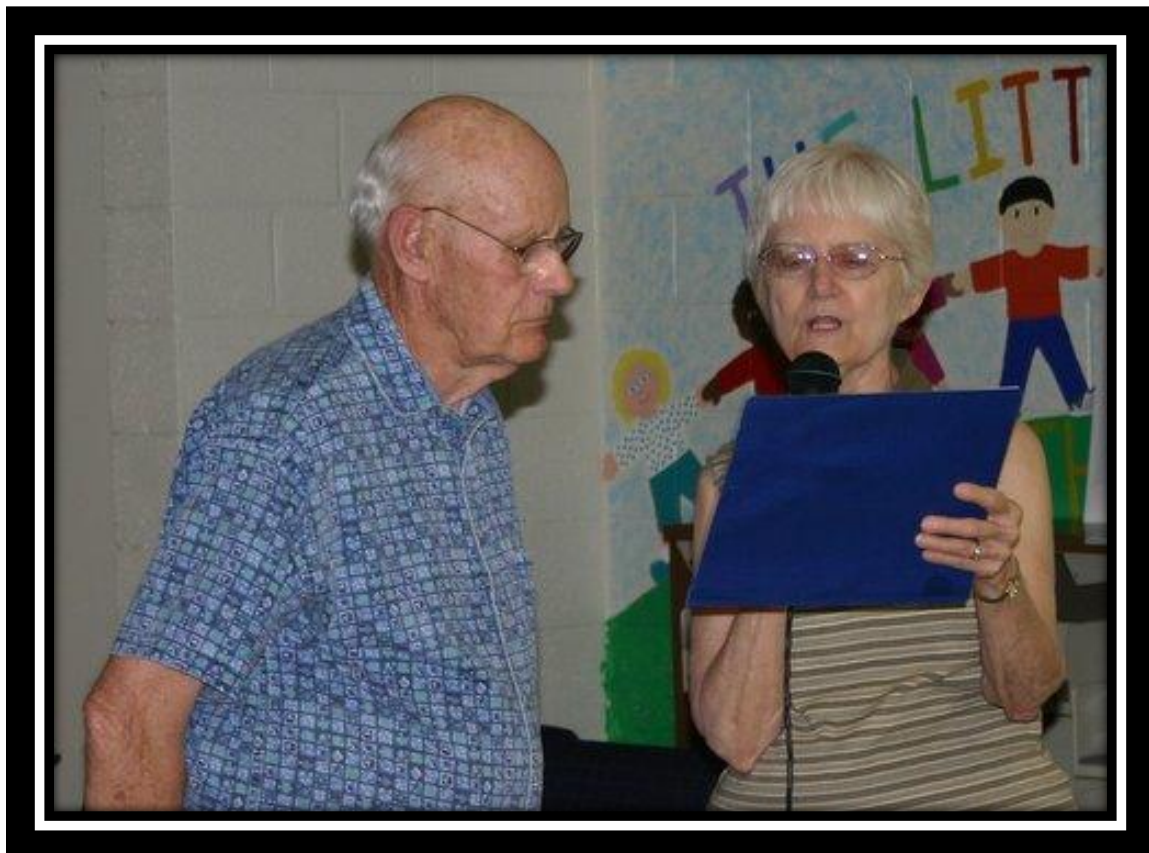


Photo by Bryan Brewer

**September 2010
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www.IndianMoundsRockClub.com

New Editor- See Page 1



Arrowhead News

Visitors are welcome at all Meetings! When & Where

Club Meetings are held at 7:00 PM on the third Tuesday, September through May, and take place in the fellowship hall located in the basement of the Wesley Park United Methodist Church. The church is on the corner of Michael and 32nd Street, south of 28th Street, in Wyoming.

At 6:30 PM, on the third Tuesday, June through August, our club has a **picnic** at Pinery Park in Wyoming, which is on DeHoop just north of 28th St. Our usual spot is behind the north parking lot on the west side of DeHoop. Bring a dish to share, your own drinks, and table service.

Board Meetings are held right after the club meeting, or by special announcement on the fourth Tuesday of the month.

Club Membership dues are \$15 per family, \$10 per individual and \$5 per junior. Payment is due by the third Tuesday of September and is for the following January – December. **New** members that join at or after the annual show, pay only one-half of the yearly dues for the current year. Membership includes 9 issues of the Arrowhead News.

Who's Who

Our Executive Committee

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...or here

The **subscription rate** for the **Arrowhead News** is just \$8.00 per year.

Article submission is due to the Editor **before** the 25st of the month.

Recent back issues of the Arrowhead News are available on our website.

<http://www.indianmoundsrockclub.com/Arrowhead%20News.htm>

Arrowhead News



Corrections:

The pictures of the Spring Banquet program and the Gem and Mineral Show in the May Arrowhead News were taken by Bryan Brewer. I e-mailed them to Brenda and neglected to indicate that they were Bryan's pictures. My apologies go to Bryan for neglecting to do that. Many thanks to Bryan for his fine work in taking our club pictures.

Nancy Spalenka

Mineral Study Group

The MWF Mineral Study Group of West Michigan met on the second Tuesday of May to study the Feldspar Group that makes up 60% of the Earth's crust. Feldspars are an Aluminum Silicate 'flavored' with metals. The name probably derives from their wide distribution (in every field) or from "fels", meaning rock.

There are two main types of Feldspars, Orthoclase and Plagioclase. Orthoclase feldspars are flavored by Potassium and are also known as potash feldspars. Plagioclase feldspars are flavored by Calcium and/or Sodium and are also known as soda feldspars. The so-called Alkali feldspars are a hybrid mix, such as a Sodium/Potassium feldspar. Barium feldspars can occur from replacement of Potassium.

The potassium feldspars share a basic chemical formula, but they take different crystal forms. The potassium feldspars include common orthoclase, Adularia, Moonstone, Sanidine, and Microcline (called Amazonite when green).

The plagioclase feldspars share a changing chemical formula based on the proportion of Sodium and Calcium. At the sodium end we start with Albite, and proceed thru Oligoclase (Sunstone), Andesine, Labrodorite, and Bytownite, to Anorthite that has no sodium. This is a continuous spectrum and laboratory analysis is required to get beyond these broad categories of hand identification.

Feldspars are used to make ceramics, enamelware, frits, and glasswares. It is used as an abrasive, and in bonding abrasives to make grinding wheels. It is used in cements and insulation production. It finds use in poultry grit, fertilizers, and roofing products. It is commonly used as sizing in making paper and textiles. It is essential for making some types of soap. It is often crushed to make stone aggregate for building and road construction. But perhaps the biggest use of feldspars is as clay, that is produced when feldspars weather; feldspars are an important component of soils.

Our Mineral Study Group likes to learn about the science and practical uses of the minerals we study, but we also want to learn to hand identify them. Hand identification is a skill you learn from holding and studying many different specimens of a given mineral. We do our homework on the science and come prepared to discuss the mineral of the month, but we also dig through our collections and come with one or more specimens for everyone to handle. This month we had a wide variety of feldspars to study, and had specimens of almost every member to hold, with a good variety of specimens for the more common types. The similarities between all of the feldspars were more obvious than the differences.

The West Michigan MWF Mineral Study Group will not meet again until September because of the Indian Mound's Club's summer break - the next meeting will be on September 14, 2010 from 7 to 9 pm at Kreigh Tomaszewski's home, 653 Burton St. S.E., Grand Rapids, MI 49507. For September we will be studying the Mica Group; Muscovite, Biotite, Fuchsite, and Lepidolite (plus honorable mention for the 30 some other members that most of us have never seen -- and laboratory access is usually needed to identify).

We like to start (and end) on time, but please do not arrive more than 20 minutes early. All West Michigan rockhounds are encouraged to attend. Please look up a few facts about the topic mineral(s), and (hopefully) bring along at least one specimen (of each Group member) to let others look at (the more, the merrier). We hope you can join us for this opportunity to learn from each other.

By Kreigh Tomaszewski

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Best of the Year Show Winners

Creative Arts (self made, not purchased):

Bead work: 1st Anne Westover

Cabochons: 1st Anne Westover, 2nd James Carper, 3rd Randy Smith

Metalworking: 1st Mona Irvine, 2st Arlene King, 3rd Sandra Carper

Most Creative Use of Lapidary: 1st Mary Wing, 2nd Don & Lois Van Dyke, 3rd Jim Splane

Collected Items (must be natural minerals/specimens, cleaning permitted):

Self collected Thumbnail: 1st Nancy Spalenka, 2nd Ruth Allen, 3rd Gordon Spalenka

Purchased Thumbnail: 1st Lou Harvey, 2nd Gordon Spalenka

Self collected specimen: 1st Roger King, 2nd Julie Donker, 3rd Don & Lois Van Dyke

Purchased specimen: 1st Rance Westover, 2nd Julie Donker, 3rd Nancy Spalenka

Self collected fossil: 1st Lou Harvey, 2nd Chuck Wing, 3rd Skip Schipper

Purchased fossil: 1st James Carper, 2nd Julie Donker, 3rd Don & Lois Van Dyke

World Class (must start with natural minerals, cleaning and alteration permitted):

Most unusual specimen: 1st Chuck Wing, 2nd Don & Lois Van Dyke, 3rd John Crans

Ugliest specimen: 1. James Carper, 2. Don & Lois Van Dyke, 3. Bill Burt

Best of Show: 1st Roger King, 2nd Mary Wing, 3rd Cliff Lynnes

Junior Best of Show: Jessica Schmidt

Participation Raffle Winners (\$5 gift certificates to our summer super sale)

Chuck Wing

Julie Donker

Sandy Carper

Jack Cramer

Skip Schipper

Rod Wing

Don & Lois Van Dyke

Anne Cole

Kreigh Tomaszewski

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PROGRAM REVIEW

Fifty-five people, including a couple of visitors from Louisiana, were in attendance at the May meeting to vote on the Best of the Year categories. Prior to voting, Harry Brummel was presented with a Certificate of Appreciation for 35 years of service as chairman of the annual Gem and Mineral Show. He has been chairman of every show the club has ever had. That is some record! Our sincere thanks to Harry for his many, many faithful years of service. John Kuipers, who assisted Harry the past two years, has taken over the reins for the 2011 show. John is looking for someone to assist him.

PROGRAM PREVIEW

Steve Tchozeski will present a program on "GEODES - WHAT THEY ARE, HOW THEY ARE FORMED AND WHERE THEY ARE FOUND" at our September 21, 2010 meeting. We will take an in depth look at geodes and learn about their formation and location. You will have the opportunity to select a geode and he will break it open for you to discover their unique mineral deposits. Steve presents earth science/geology programs to students Kindergarten - 12th grades. This program will be especially interesting to students young and old. Remember to invite your young friends!!!

Library News:

As of today, July 29th, 2010, Arlene King and I (Donna L Griseto), cleaned out the Library and weeded out unnecessary items that will be placed in the Silent Auction. During our cleaning, we found missing books, DVD's, and books that have been checked out for a long time. So, I came up with this little song to bring back our books to the Library.

Oh, where oh where have our library books and DVD's been, oh where, oh where have they gone? With books and DVD's signed out and lost, oh where oh where can they be? Please look around your homes and cars and return our books and DVD's promptly. Going through some old newsletters I saw that a \$5.00 deposit was required to check out a DVD. Maybe we need to bring back that policy. Plus, fines? Donna

Missing: Lake Superior Rocks and Minerals- Bob Lynch and Dan Lynch, Custom Wirewrap Jewelry (Video) - Alice Turner, Fire Agate Cutting and Polishing- Cliff Willis, The Wonderful World of Agates (Video) - University of Wisconsin

Checked out:

1. Agates Treasures of the Earth - Cindi Closser 111709
2. Jewelry Fundamentals of Metalsmithing - Cindi Closser 041809 returned 091909 missing
3. Introduction to Lapidary - Cindi Closser 091609
4. The Wonderful World of Agates (Video)- University of Wisconsin - Randy Bursley 091509
5. The Other Lake Superior Agates - Jim Elliott 121509
6. The Color Treasury of Gemstones - Anne Crans 021709
7. Making Bead and Wire Jewelry- Brenda Van Dyke 021709

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Kreigh Tomaszewski



All photos in this newsletter by Bryan Brewer

Arrowhead News



In Memoriam:

Don Crabbs passes away on May 17th, 2010.

Donald E. Crabbs, affectionately known as "Crabby", passed away May 17th, 2010, with his wife of 60 and his son Steve by his side. He loved his wife, children and grandchildren very much! He was a good provider and a great husband, father and grandfather.

Don loved the outdoors and camping. He was a self-taught "Rockhound." In his collection of rocks he had pebbling stone, amethyst, Lake Superior agate, rubies, sapphire and his passion Thomsonite. He only collected Thomsonite from Minnesota. It had the most variety of colors. Don Traveled to Minnesota yearly and made other trips to, north to Canada, south to North Caroling. He loved going to Seney National Wildlife Refuge, Copper Harbor and Whitefish Point Bird Observatory in the Upper Peninsula of Michigan. Dona love photography and we now cherish those photos that we got tired of posing as children.

Don was the past President of the Grand Rapids Mineral Society and was a current member of the Indian Mounds Rock and Mineral Society. Don was a member of the American Legion Cascade Post #451, past board member of Camp Fire Inc, Chairman of the Camping Committee at CamOp Fire Inc. and a member of the Whitefish Point Bird Observatory.

So, if you're walking the North Shore of Lake Superior working on Thomsonite, Don's spirit will be right over your shoulder. Say "hi" to Don ("Crabby")!

In Loving Memory- The Crabbs Family

Joyce Potter: May 1st, 1932-June 11th, 2010.

Joyce Potter was a faithful life-member of Indian Mounds Rock and Mineral Club. She quietly served the club in many ways including some years as secretary and general publicity chairperson. Her creative talents included beautiful beadwork, gem trees, other creative crafts, and sewing. We remember her graciously hosting many club board meetings. The "Silverthings" booth, which she and her husband Eldon managed, was a staple at our annual Gem and Mineral show for many years. She and Eldon, who passed away in 2007, are fondly remembered and greatly missed.

Roy Burns: January 14th, 1927- June 17th, 2010 (Donna L Griseto's father)

All of you will be in our hearts and prayers.



BOARD or CLUB MEETING MINUTES

Treasure Report- Dave Lehker

May

Beginning Balance: \$ 7207.12

Expenses:

Banquet:	\$21.93
Meeting snacks:	\$40.00
Printing membership list:	\$264.44
Remembrance Donations:	\$50.00
Miscellanies:	\$40.00

Total Expenses: \$416.37

Income:

Memberships:	\$65.00
Lunch:	\$27.25
Raffle:	\$33.00

Total Income: \$125.25

Ending Balance: \$6916.00

June

Beginning Balance: \$6916.00

Expenses:

Newsletter Printing:	\$186.48
Sale Advertising:	\$96.02

Total Expenses: \$282.50

Income: 0

Ending Balance: \$6633.50

July

Beginning Balance: \$6633.50

Expenses:

Sale Flyers:	\$18.50
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Total Expenses: \$18.50

Income: 0

End Balance: \$6615.0

Kitchen Servers:

- September 2010:** Carper and Wing families
- October 2010:** Silent Auction!!! Everyone invited to bring something to eat!!!
- November 2010:** Ruth Allen and Jessica Schmidt
- December 2010:** Christmas Party Potluck!!!
Thank you, Eleanor Brummel

Arrowhead News



Dear Geology Club,

Falls of the Ohio State Park and the Falls of the Ohio Foundation announce the **2010 Falls Fossil Festival!** This, our 16th annual event, will be held September 18 - 19 at one of the world's most spectacular naturally exposed fossil beds! Visitors are encouraged to *explore* our rich Middle Devonian patch reef packed with fossils on the riverbed at the Falls of the Ohio. Look for giant colonial corals, horn corals up to four feet long, trilobites, and numerous other types of marine organisms.

This show, held rain or shine, features outdoor vendors selling fossils, minerals, books, items with a geo-science theme and food. There are fossil bed tours and special programs from knowledgeable paleontologists and geologists in the Interpretive Center. Speakers and topics this year include:

Sept. 19

1:30 **Fossil Plants from the Age of Coal**, Walter Gray, Indiana Geological Survey, Bloomington

2:30 **Life in the Precambrian**, Dan Phelps, Kentucky Paleontological Society, Lexington, Kentucky

3:30 **Fossils and the Internet**, Michael Popp, Louisville

4:30 **Keynote Presentation – *Dinosaurs!*** Dr. Steve Greb, Kentucky Geological Survey, Lexington

Sept. 20

2:30 **Fossil Collecting Tips**, Rick Schrantz, Kentucky Paleontological Society, Lexington, Kentucky.

3:30 **Mineral Collecting Tips**, Steve Garza, Corydon, Indiana

Collecting is prohibited at the Falls of the Ohio; however, a local quarry donates 30 tons each of fossil-bearing Silurian Waldron shale and Devonian Jeffersonville Limestone residuum. Dig for brachiopods, bryozoans, corals, crinoids, cystoids, snails, clams, and trilobites our *Fossil Collecting Piles* provided by local quarries. A mineral collecting pile from the Hastie's mill dump in Rosiclare, Illinois will also be available. We can direct your club to other localities to collect fossils and/or minerals. (The park's website lists more than a dozen collecting locations in the area.) This would be an ideal weekend field trip. We hope members of your group will be able to attend! cont. page 10

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Details can be found on the Festival web site from our home page - <http://www.falloftheohio.org> or directly:

<http://www.falloftheohio.org/FallsFossilFestivalProgram.html> or contact me at agoldstein@dnr.in.gov if you have any questions.

Sincerely yours, **Alan Goldstein**, *Fossil Festival Coordinator*, Interpretive Naturalist Falls of the Ohio State Park
201 West Riverside Drive Clarksville, IN 47129-3148 (812) 280-9970 ext. 403

www.facebook.com/falloftheohio

President's Message September 2010

Here it is, the month of September already. We had very hot Summer this year, which is exactly the way I think Summer should be. This was also a great Summer to spend time down inside a mine in the much cooler temperatures just to get a break from the heat. I hope everyone had a wonderful Summer with lots of collecting and other club related activities. Alas, Summer is almost over, the kids are heading back to school and it's time to get back into the swing of regular meetings again.

Our next big club event will be in October and it's our Silent Auction. The Summer will be cooling off by then but the deals will be HOT! This is always a very fun event with a lot of activity. Our Silent Auction is a great time to add to or subtract from your rock and mineral collection. This is a great opportunity to clear out some of the excess items you may have in your collection or items that you are tired of and think someone else might have a good home for. Watch for the details of this event and for the rules for this event in the next issue of the Arrowhead News.

We will also have elections in November and isn't it about time you gave some thought and action to helping fill a position on the Board. Think about what you can do for your club. This might be the right time to give something back to the club. If you would like to be a board member or fill other positions, go ahead and submit your name. We can always use your help.

I look forward to seeing you all at the next meeting.

Stay safe and have fun,
Jim

Arrowhead News



To acquire knowledge, one must study; but to acquire wisdom, one must observe.

–Marilyn vos Savant

To my readers: Please be patient while I learn how to put this newsletter together. Brenda did such a great job that I have some tough standards to live up to. This is your newsletter, all I do is put it together. So, I need everyone's help in continuing the legacy that Brenda started. As I get better at copying and pasting, certain pages will always be on the same page. Right now I am doing a first come e-mail, first come page. **Deadline for the October newsletter is September 21st, 2010.** One last note, Rance and Anne Westover have taken over our Club Library!!! Thank you!!!

Thank you to this month's contributions: Brenda van Dyke, Bryan Brewer, Kreigh Tomaszewski, Nancy Spalenka, Eleanor Brummel, Dave Lehrer, Steve Crabbs, Rance and Anne Westover and Jim Elliott. Until next month...

A MINI VACATION

by Rance and Anne Westover

Sometimes an overnight trip is just what a rock hound needs during the dog days of August. So with the newly published Lake Huron Rock Picker's Guide we headed for Port Huron, Michigan on August 12, 2010. Locating our first beach was within 1/2 mile from the International Bridge w/Canada. We picked up Petoskey Stone and Fossils as a freighter emerged from the St. Clair River headed north.

As we headed north up to the top of the thumb area we checked all the parks and exit roads we could find up the lakeside. The weather was good and we enjoyed the beach combing for two days.

The overnight accommodation in Port Sanilac was probably a real spiffy place in 1940. However, a home cooked meal at the local restaurant was welcomed.

After arriving home late Friday night (August 13, 2010) we waited until Saturday morning to check out our loot. We found many pieces of Crinoids, Pudding Stones, Fossils of all kinds, Horn Corals, Unakite, interesting colored patterns in stones, Beach Glass, and 275 Petoskey Stones. We were very surprised by so many Petoskey Stones in Lake Huron. For so many Western Michigan rock hounds looking for something different, how about a mini vacation somewhere new?

P.S. This was the weekend that has the Grand Garage Sales all along US 25; they must have run for a hundred miles.

The Indian Mounds Rock and Mineral Club

is a nonprofit organization, incorporated under the laws of the State of Michigan.

This club's objective is to develop and encourage interest in, and to further the study of minerals, gems, fossils, rocks, lapidary arts, and earth science.



Affiliated With the Midwest and American Federations of Mineralogical Societies

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ARROWHEADNEWS

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Email edition