



## EARTH SCIENCES

THE ROCK CLUB DEDICATED TO THE SERIOUS STUDY OF GEOLOGY, MINERALOGY,  
PALEONTOLOGY

# THE TUMBLER

June 2009

### MEETING LOCATION:

NORTH EASTWOOD  
CHRISTIAN CHURCH  
9425 EAST 30TH STREET  
INDIANAPOLIS, INDIANA

**SUNDAY, June 14, 2009, 2:00 PM**

**“The Geologic History of Northwestern  
Indiana and the Indiana Dunes State Park”**

-Dale Fadely-



### 2009 CLUB MEETING DATES AND PROGRAMS

July 12: Art Mirsky, IUPUI

August 9: Get ready for show

September 11, 12 & 13: **NO MEETING. CLUB SHOW**



### CLUB WEB SITE

[www.geology.iupui.edu/Outreach/500%5FEarth%5Fsciences/](http://www.geology.iupui.edu/Outreach/500%5FEarth%5Fsciences/)

Please send pictures and information you would like to share on the website to Len Gritzer at [lengritzer@hotmail.com](mailto:lengritzer@hotmail.com)



*The Tumbler is published monthly by the 500 Earth Sciences Club, PO Box 90352, Indianapolis, IN 46290-0352.*

### 2009 OFFICERS

**President:** Ann Richardson  
**Vice President:** Jim Yarber  
**Secretary:** Marge Begeman  
**Treasurer:** Gail Hall

### *PRESIDENT'S MESSAGE:*

Hello Everyone! Due to the length of the business meeting in May we were unable to discuss your ideas concerning **PLANNING FOR THE FUTURE** of our club. I would like to revisit that issue during the June meeting. To refresh your memory the first issue to consider is what you want as a member of the club in the following areas

- What would you like to gain from club meetings?
- What types of programs interest you?
- What can I do for you as President?

I have already received some good input from club members and would like to hear what everyone else is thinking. Please give the list above some thought and bring your ideas to the June 14, 2009 meeting.

### **MARK YOUR CALENDARS:**

**Saturday, June 20, 2009:** Club picnic at club member Harris Precht's tree farm in Connersville, IN. Details will be announced at the June 14<sup>th</sup> meeting.

**June 26, 27 and 28, 2009:** Lawrence County Rock Club Show and Swap, Monroe Co., Fairgrounds, Bloomington, IN.

-Ann

### **EFFECTS OF THE RECESSION ON MIDWEST SHOWS**

It has been reported by several of my Show Buddies that Shows in the Midwest have not been greatly affected by the recession. The exception has been the Shows in Michigan have experienced a considerable reduction in attendance in May. -AR

## MINUTES OF THE MEETING

May 3, 2009

Ann Richardson, president, opened the meeting at North Eastwood Christian Church at 2 p.m. The meeting ended at 4:15 p.m. There were 17 members present plus 2 guests. Marjorie and Bob Begeman served refreshments. Ann Richardson chose a fossil for her door prize.

First on the agenda was a program given by Ron Everhart who presented his travel slides relating to geology in western US and volcanoes in the Philippines. His slide show gave examples of geology in Colorado Nat'l Monument, areas of southern Utah, Arches Nat'l Monument with the Navajo sandstone, National Bridges Nat'l Monument where he made the distinction of a bridge being a span under which water ran and an arch was a span with no water under it. Other US locations he showed were the Goose Necks of the San Juan River and its State Park, the Grand Canyon, and Zion National Park. Rock formations are formed by weather, rivers, wind, and natural elements. Ron noted that the largest volcano in the world was actually Yellowstone. He then took us to the Philippines where he had pictures of several volcanoes. The smallest volcano was actually, interesting enough, located in the mouth of the largest Philippine volcano. Through Ron we also visited an underground river in the Philippines.

**MINUTES OF APRIL MEETING:** Only a portion of April's minutes were published in the May newsletter. Therefore, April's minutes will be republished in June's Newsletter to be reviewed by the membership and then voted on for approval at June's meeting. (See end of this newsletter).

**TREASURER'S REPORT:** Gail Hall, treasurer, was absent. There was no report.

**OLD BUSINESS:** Ann still is collecting commemorative stamps for the Mid West Federation which they use for a money making project. Please bring stamps.

**CORRESPONDENCE:** No activity

**NEW BUSINESS:** None to report

**MONTHLY GIVEAWAY:** Ann Richardson won the monthly giveaway and chose a fossil oyster shell.

### **DEATHS AND ILLNESSES:**

Nancy Mahoney has had recent surgery and is now recuperating. Jim Russel, a friend of the club, passed away on April 30, 2009. He liked to make gem trees.

### **GENERAL INFORMATION:**

Dee Slater had buckets of loose stones and miscellaneous outdoor type items which might be available for a club member to have. Please call Bob Armstrong to get permission to take advantage of this opportunity.

Apparently the bill has been passed which disallows collection of fossils, etc., on public lands. The effect of this bill is not known yet.

The Lawrence Co. Rock Club sponsors their 44th annual show on June 25, 26, 27; Friday and Saturday 10:00 to 6:30, and Sunday 10:00 to 4:00 at the Monroe Co. Fairgrounds just west of Bloomington, Indiana.

## COMMITTEE REPORTS:

**PROGRAM:** We will be having our next meeting June 14. James Yarber, the chair, has scheduled Dale Fadely to talk on the "Geologic History of Northwestern Indiana and the Indiana Dunes State Park" Art Mirsky from IUPUI will present one of his special programs on July 12, 2009 and August 9 will be the work meeting to prepare for the show in September.

**FIELD TRIPS:** James Yarber & Dora Foltz Chairs:

1. St. Paul Quarry might close .The Hanson Quarry is into bankruptcy. The Napoleon Quarry will let us in but allow only a small area available for us to use.
2. James will look into a field trip for geodes.
3. A field trip in April at the road cut on US 1 near Connersville was productive. Erit Marchani, Marjorie and Bob Begeman, James Yarber and Rick Swim attended. Erit found some horn coral fossils and a little trilobite which he brought to show everyone.
4. Next field trip: Saturday May 23, 2009. Meet at McDonalds at 8:30 am at the Connersville Exit, State Road #1 off I-70 East. This is near the Brookville, Indiana Causeway. Travel Time is approximately 1 hr. 20 minutes from east Indianapolis. Leader: Ann Richardson.

**SHOW INFORMATION:** The next show will be the June 26-28 at Bloomington. Listed below are other future shows as well.

**PUBLICITY:** Len Gritzer reported that 2009 show information has been sent to three magazines; Rock and Gem, Rocks and Minerals and Jewelry Artist. Newspaper advertising is being prepared for the Greenfield Reporter starting in August. Other papers and magazines are costly and it is important to avoid spending profit for publicity.

**MIDWEST FEDERATION:** No report.

**LIBRARY/HISTORIAN:** Nora Hovee, the 500 Earth Sciences club librarian brought a selection of books for take home possibilities. She featured books on volcanoes, basic geology, and the Sand Andreas Fault. Since many people no longer use video tapes and the library has a large selection of these, Nora wondered if some could be converted into CDs or else discarded. Len stated that conversions to CDs or DVDs are not practical as the quality of the film is affected or distorted due to copyright duplication codes embedded in the film. No decision was made on this topic. Judy Gayle donated \$4.00 to be used to purchase two hard back books from the Indianapolis Library Prose Used Book Sale. Marjorie Begeman will pick the books.

**WEBSITE:** “*IN MEMORIAMS*” have been posted for George Wagner and Dee Slater.

**FUND RAISING:** Don and Nancy Mahoney, Chairs: Nothing until fall.

**NEWSLETTER / Editor:** Jamison Brizendine is changing jobs and is no longer available to be newsletter editor. In his stead, Ann Richardson and Len Gritzer will share the editorship for the newsletter.

**MICROMOUNTERS:** Ann Richardson chair – will meet at Ann’s house, Sunday, June 7th at 2 p.m.

**MEMBERSHIP:** Cheryl Hamilton will fill this position.

**HOSPITALITY:** We still need a Chair for this position.

**GEOFEST:** Ann Richardson, Chair: October 23, 24, 25, 2009. Two volunteers are needed. The **GEOFEST** will be held at the State Museum.

**REFRESHMENTS:**

**June:** Cheryl Hamilton and Gail Hall

**SEPTEMBER 2009 SHOW REPORT:** Don Mahoney and James Yarber Chairs:

1. Egg Cartons are needed for the Children’s area. Also the plastic sleeves that newspapers come in. Please save them and bring them in to Ann.
2. Help is desperately needed at the show! Please sign up to volunteer. Activities: silent auction (Cheryl Hamilton chair), signs, fliers Ann chair), set up Thursday pm, take down Sunday pm, door prize tickets (Marjorie Begeman and Judy Gayle chair), children’s area (Ann chair), and hospitality.
3. Nancy Mahoney has about 500 email addresses from the show. She keeps all the sign up information each show for three years. If they do not return or she does not hear from them, she deletes the info. Most of the people come from the Greenfield area.
4. It is not possible to keep track of the number of people who attend the show as they do not enter the building just by one door. The dealers like selling at our show – that is why they keep coming back!

-Submitted, Marjorie K. Begeman



**LITTLE KNOWN FACTS**

Submitted by Ann Richardson

**Little Known Facts** will return next month (July) featuring Secretary Marge Begeman.

**Future Shows:**

June 13--CHICAGO, ILLINOIS

June 20-21--GEORGETOWN, INDIANA

June 26-28--BLOOMINGTON, INDIANA, Lawrence Co. Rock Club, Monroe Co., 4-H Fairgrounds

July 10-12--SHARONVILLE (CINCINNATI), OHIO

## **TREASURES OF THE EARTH:**

Next show in Indianapolis is the 11th Annual Fall Indianapolis Gem, Mineral & Jewelry Show: October 2, 2009 thru October 4, 2009. Link: <http://www.toteshows.com/indianapolisfall.html>

## **MEMBER VOLUNTEER ACTIVITY:**

The last **Treasures of the Earth Show** had several members come to help. They were Diantha DeGraw, Len Gritzer, Bill Floyd, James Yarber, Dwaine Edington, Maurine and Erit Marchani, Judy Gail, plus Cassidy and Larry Creemer and Jamison Brizendine. Dwaine Edington had made a surprise visit in from Arizona and showed off his wonderful collection of nature photography note cards. Thanks to all who came!

**May 3, 2009 BOARD & SHOW MEETING:** 4:30 p.m. -to 5:55 p.m.

### **ATTENDING:**

Ann Richardson, Nancy Mahoney, Donald Mahoney, Marjorie Begeman, Robert Begeman, Jamison Brizendine, James Yarber, Erit Marchani and Len Gritzer.

**TABLE CLOTHS:** There is a need for additional table cloths for events. The Club now possesses: four 8' long red table cloths, one 6' long red table cloth and an unknown quantity of old worn green table cloths.

Don Mahoney will determine the number of table cloths needed by determining the number of tables used at each of the below named events at the fall show. Table cloths are used in: children's area tables, display tables, hospitality tables and silent auction tables.

**Requirements:** Each table cloth should cover only one table. Overhang length of cloth on sides and ends of table was not determined. Tables are 6 or 8 feet long. The green table cloths are not in good condition. Material needs to be wrinkle-free. Nancy Mahoney will purchase the material. Nancy, Ann Richardson, and Marjorie Begeman offered to make the table cloths.

**MEMBERSHIP INPUT:** Input at this time is that elementary, or beginning, classes on minerals and fossils would be beneficial. Discussion by the board brought up the idea of having a ten minute lecture at each meeting vs. a regular meeting program. Len Gritzer thought a ten minute lecture at each meeting would not provide enough information on a subject. Len Gritzer volunteered to do a regular program for a club meeting. He also will prepare a list of subjects that would be of interest to the membership. He also has been given, from Butler University several wooden cases of classified rocks and minerals that were used as study aids by the Chemistry classes of the 1960's. They might be good visual aids for a beginner class on rocks. Jamison Brizendine offered to do a beginner class on fossils.

## **SHOW TOPICS:**

### ***A. CLUB MEMBERS HAVING BOOTHS OF THEIR OWN AT THE SHOW***

The club needs all members and all the help possible to work the show. There are two members who already have placed a request for a table at the show plus the possibility for three or four other members who might be interested in tables. Possible sellers are: Dora, Bill Floyd, Ron and Len. After much discussion it was decided to contact all interested club member sellers and present the idea that a well located booth, of possibly six tables, in the Sheep Barn is set aside and available to club members as a group. The selling club members would then set up a working schedule for one, or possibly two sellers, to tend everyone's merchandise. The other sellers would then be free to help out with the show itself. They would also be asked to help set up and tear down on the respective Thursday and Sunday.

### ***B. HELP FROM MEMBERS***

Help is direly needed at the show. Problems are: 1. Some members are there but are not working as there is too much help. 2. Not enough people there when needed. Decision: 1. Start next meeting (June) to sign up membership help and times. 2. Thru the 'Tumbler' newsletter stress the need for help. 3. Ask members to volunteer their help on a four hour schedule at a time, not one or two hours.

### ***C. SHOW SIGNS IN THE COMMUNITY OF GREENFIELD***

Ann Richardson volunteered to be in charge of placing the show signs. It was noted that advertising in and around the Greenfield area gave the most results in advertising. It is important to consider the cost of advertising. The show barely makes a profit and a loss might occur if too much money is put in advertising that has proven, in the past, not to be productive for attendance.

*D. PROGRAMS:* Some club members feel that since we donate money to The Children's Museum of Indianapolis, IUPUI's Geology Department, University of Indianapolis Geology program, and The State Museum, they should return our interest in them by giving a program to the club. **Other program ideas:** A club activity in a project to be done at the meeting, lectures by a member (or guest) on his or her hobby, or any appropriate subject related to geology or science.

-submitted by Marge Begeman, Secretary

500 EARTH SCIENCE CLUB  
MINUTES April 5, 2009

In the absence of Ann Richardson, James Yarber vice president, opened the meeting with April's program. He presented a program on 'Topographical Map Reading Skills'. We were paired off so each two people shared one topographical map of West Indianapolis.

James taught us how to read the symbols for churches, US bench marks, schools, small creeks, etc. and also how to determine the types and distance of the contour lines, read the longitudinal and latitude information, and other important basic skills needed to use the map. Then we were asked to use these skills to find answers to the pre-prepared questions he gave us.

The formal business meeting started at 3:00 pm. James opened it with a memoriam to Dee Slater who passed away last month. His memoriam was in the form of reading a diary he had written on a field trip to the Gypsum Quarry in Southern Indiana in the near past. Included in this same field trip were stops at Jug Rock, House Rock, a cemetery where 'wet stone' grave markers were, and seeing the second longest bridge in Indiana. Joe Palooka's statue and a visit to the quarry where the limestone for the Empire State Building was mined also found their way into this busy day. At one point on the trip James looked at the ground and saw a large black snake crawling over Dee's foot. In Williams, Indiana, Dee found, and purchased, a limestone statue of a mammoth! All this is very typical of Dee and her large and deep interest in nature and living a full life.

**MEMORIAM FOR DEE SLATER:** A thank you note has been received from the Ruth Lilly Hospital for a \$100.00 donation in her memory.

**ATTENDANCE:** There were eighteen members but no guests present.

**DOOR PRIZE:** Judy Gayle won an ammonite fossil from Madagascar.

**FIELD TRIPS:** There are two field trips scheduled for April. The first is scheduled on April 18<sup>th</sup> to a creek in Martinsville, Indiana to look for 'flat' geodes. The second will be on April 25<sup>th</sup> to look for brachiopods and crinoids in a road cut at US 74 and Highway '1'.

A potential field trip for May will be at the Hanson Quarry.

**REFRESHMENTS:** This meeting, refreshments were offered by Laura and Cassidy Creemer and were thoroughly appreciated.

Future Refreshments: Begemans for the May meeting  
Cheryl Hamilton and Gail Hall for June.

**TREASURER REPORT:** An overall balance of \$12,413.94 as of 4-4-09

**REPORT APPROVAL:** Secretary and Financial reports were approved and seconded by the members.

**PUBLICATION CHAIR:** Len Gritzer had nothing to report.

**MEMBERSHIP CHAIRMAN:** Cheryl Hamilton will fill this position.

500 EARTH SCIENCE CLUB  
MINUTES April 5, 2009 (Continued)

**HOSPITALITY COMMITTEE: There is still no chair for this position.**

Please consider offering your service for the hospitality chair. There is a need for the chair to store two boxes of supplies plus a large coffee pot. Also the chair will restock the supplies as they run out.

**MEMBER VOLUNTEER ACTIVITY:**

Len Gritzer gave a one hour geology lecture to third graders at St. Michaels School on March 25th, 2009. He stated the children asked lots of questions and enjoyed his lecture. They also enjoyed the geology specimens he gave each child. The children responded to him by writing a thank you note.

**MAY PROGRAM:** Ron Everhart will speak on volcanoes.

**FUND RAISING:** no activity

**LIBRARY:** Our librarian, Nora Hovee recommended three books for borrowing:

1. 'Stars of Heaven – Jade' by Adrian Levy and Cathy Scottclark – a book she has read two times and highly recommends.
2. 'Plants and Moons & Meteors an elementary book by John Gostason
3. 'Jade Kingdom' by Desautels

**TREASURES OF THE EARTH:**

Ann, Len, Erit, Cassidy, Jud, and Dwaine Edington were some of the members that worked the show.

**SEPTEMBER GEN AND MINERAL SHOW:**

1. The next board meeting will decide the question of a table available for club members to sell their items. It is problematic since we have a small membership and the members are needed to work the show.
2. The Sheep Barn and the Main Building are already sold out.

**BOARD MEETING:** will be held after the May meeting

**GENERAL:**

1. Nora shared that Kentland, in northern Indiana, has a meteorite impact.
2. There is a philosophy that Mammoth and mammadons became extinct due to meteorite crater with the resulting iridium plus the ice age
3. Nelson Schaeffer, who gave a lecture to the club recently, is a member of the Indiana Geological Survey. To find more information on geodes, search his website. There are web sites of his that are instructional and interesting.
4. Judy Gayle brought in two fossilized geodes with horn coral fossils embedded in the outer part of the geode. This occurrence is apparently caused by pressure and heat.

**NEXT MEETING:** May 3, 2009

Respectfully submitted: Marjorie K. Begeman