

FRIENDS OF MINERALOGY, INC. MIDWEST CHAPTER

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The Mineralogical Society of America
American Geological Institute

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HANCOCK COUNTY FAIRGROUNDS, GREENFIELD, INDIANA
SATURDAY, SEPTEMBER 7, 2002, 12:00 NOON (Indiana Time)

WHY ARE SOME MINERALS GEMSTONES?

GLORIA McGREW-COOPER

As the daughter of a career USAF officer, Mrs. McGrew-Cooper, has lived all over the world. She was born in Germany and has survived an earthquake in Japan and the eye of Hurricane Camille in Biloxi, Mississippi. She received a BA in geology at IUPUI (Indiana University Purdue University at Indianapolis) and an MS in Geology from Purdue University, Lafayette.

Her first career was with AMAX Coal Company. New horizons opened when she moved to Santa Monica, California, and attended the Gemological Institute of America. She earned two diplomas, Graduate Gemologist and Jeweler. Returning to Indianapolis, she worked as a gemologist with Premier Gems.

Presently Mrs. McGrew-Cooper is a stay-at-home mother to two boys. She and her husband of 18 years live near Greencastle. She gardens and has a small orchard. This fall she will start her fifth year of homeschooling her sons.

She also works part-time as an instructor for IUPUI and IUPUC (Columbus). For the past 15 years she has been teaching a combination of physical, historical and environmental geology lectures and labs plus a gemstone short course.



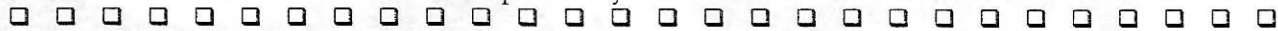
PRESIDENT SHAFFER'S MESSAGE

Whew!! The Fifth Midwest Mineral Symposium went off quite well with about 36 people enjoying eight great talks and visit to the Indiana University's Molecular Structure Center and a 3-D virtual reality lab. I want to thank all the speakers, FoM Treasurer Lorraine Wright, the Indiana Geological Survey and Dr. John C. Huffman for all their hard work and support. We hope to have a symposium next year, probably at some different site and I hope that you can attend next year.

Thanks also to many FoM members and others who donated specimens or help to the FoM silent auction at the Bloomington Show. I appreciate the opportunity to hold auctions at shows so thank show organizers when you can. We made more than \$100. and with that income the symposium broke even. We hope we will be able to hold several silent auctions at the Greenfield show (indefinite at this time), but can use specimens and volunteers. Please see details above for the FoM program at Greenfield.

You may also want to attend the Mining Hazard Training Course planned for Greenfield by Joel Vicary of Macomb Community College. He briefly discussed the training at the Bloomington Show and he produces a booklet about MSHA training for rock collectors.

Looks like there will be lots to do and I hope to see you all at Greenfield!



DR. GEORGE H. GARRISON

It is with deep sorrow that we announce Dr. George H. Garrison of Dayton, Ohio, died on Thursday, August 8, 2002. Dr. Garrison was 80 years old, but active until just a few months ago. Dr. Garrison was an avid micro collector and photographer of his specimens plus many other activities. He was a former member of Friends of Mineralogy-Midwest Chapter and other mineral clubs in the area. He is survived by his wife, Gwen, and three children. Dr. Garrison will be missed by those who had the opportunity to know him.

FRIENDS OF MINERALOGY—MIDWEST CHAPTER
SYMPOSIUM REPORT FROM JUNE 20, 2002

President Nelson Shaffer welcomed the Friends of Mineralogy—Midwest Chapter members and guests to the 5th Midwest Symposium and invited everyone to enjoy the donuts, fruit, coffee and other beverages available.

Mr. Shaffer began the talks with *Indiana Minerals Education*. John Medici, who presented slides of The Munich (Germany) Show, followed. Alan Goldstein discussed the *Minerals in Kentucky*. We learned there is quite a variety of minerals found—calcite, dolomite, quartz, fluorite, gypsum, barite, rare witherite and goethite, chalcedony, hematite, sphalerite, chalcopryrite, galena, marcasite, aragonite and the millerite and structural and rings of pyrite found in Halls Gap geodes. Dan Behnke gave a marvelous slide presentation of *Copper Country (MI) Minerals*. *New Harmony—Beginnings of Mineral Study in the Midwest* was the topic given by Jay Lininger. *Mineral Collecting—A Miner’s View* was the title of Jon Havens talk. John Rakovan discussed *How and Why Minerals form Beautifully Faceted Crystals*. John C. Huffman ended the Symposium with a talk on *Determining Crystal Structures*.

We were directed to the Tudor Room for a delicious luncheon and great conversation. A tour of Indiana University Molecular Structure Center and Tour of Indiana University CAVE Automatic Virtual Environment was enjoyed by many of the guests.



John Huffman

Dan Behnke

Jay Lininger and Lorraine Wright

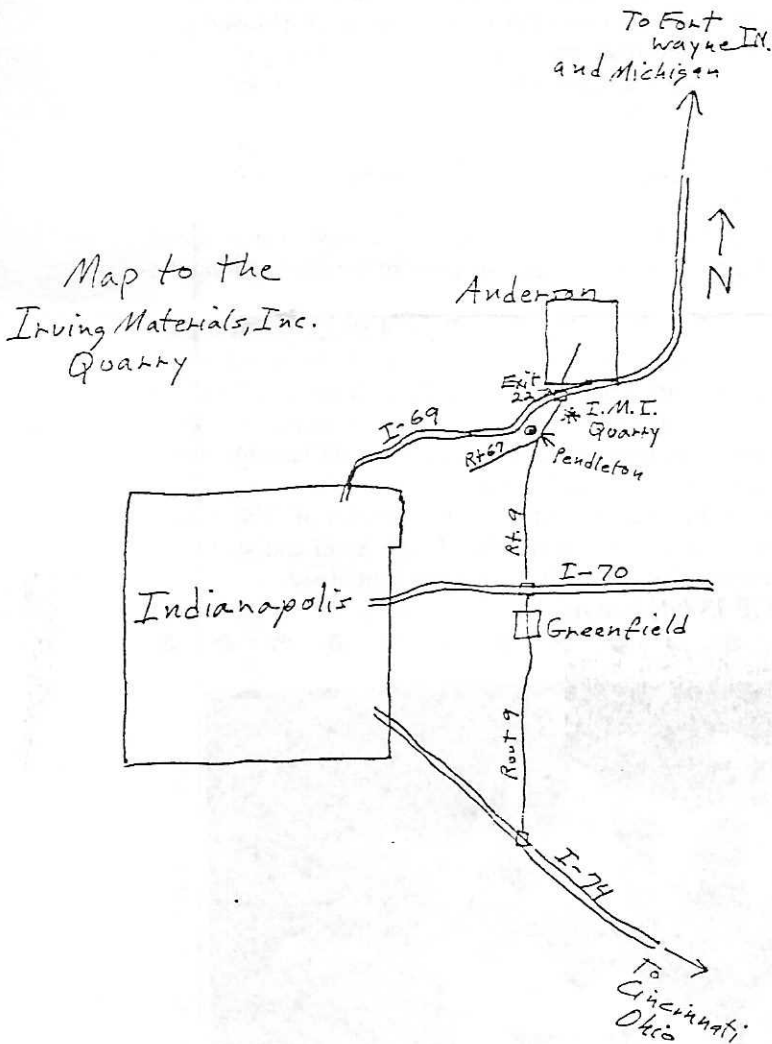
FIELD TRIP—IRVING MATERIALS QUARRY—AUGUST 24, 2002
PENDLETON PLANT, INDIANA
 George Heaton, Vice-President Field Trips

The field trip for August will be to the Irving Materials, Inc. Quarry near Anderson, Indiana, on Saturday, August 24th. We will plan to meet at the quarry office at 9:00 AM (Indiana time—Eastern Standard Time). **BEFORE ENTERING THE QUARRY, WE MUST STOP AT THE OFFICE AND RECEIVE A SHORT HAZARD TRAINING SESSION.**

This quarry is noted for its iridescent calcite and honey colored twin calcite. Also fossils have been found here.

The quarry is located on Route 9 just south of the I-69 Interstate on the east side of Rt. 9, Exit 22. The usual assortment of tools and safety equipment in quarries is needed here. These include a 2-3 pound crack hammer, chisels of various sizes from small to large. A sledgehammer and pry bars are often useful.

For safety, remember in all quarries you must have hard hat, hard toed boots and safety glasses or goggles or you cannot enter the quarry.



Report of Field Trip to
Flemingsburg, Kentucky
 by George Heaton

We had only five people show up for our visit to the Hanson Aggregates Quarry at Flemingsburg KY on Saturday, June 1. This included four from the Lansing Michigan Club and two Friends of Mineralogy members (I counted for both Lansing and FoM.) The quarry manager who would normally lead us into the quarry and show us where we would be allowed to collect had taken the day off. We asked if we could go to the area of the old quarry where the quarry management had taken us last year and where we found very good collecting. They then gave us directions on how to get there. This part of the old pit is now filled with a small lake, but the upper rock layers containing the mineral filled vugs are exposed around the lakeshore.

We had only collected there about an hour and a half when two men showed up claiming that one of them was the landowner and that they thought we were fishing. We explained that we thought it was quarry property because the quarry people had taken us here last year to collect and the quarry had a pump house at the site. The property owner was afraid of liability and still did not want us collecting there, but the other man said he would take us to his part of the property and we could collect there. The rock in this man's part of the property seemed to have very few vugs and the collecting was very poor. A few nice specimens were found in the first location. As usual the weather was good and we did not get rain until it was time to leave.

SEPTEMBER FIELD TRIP—FLINT RIDGE, OHIO

Labor Day Weekend—August 31-September 2, 2002

By George Heaton, Vice-President (Field Trips) 517-339-8914

Flint Ridge, Ohio at The John Nethers Farm, 3680 Flint Ridge Road (Muskingum County Highway 8) has again been set for a field trip over the Labor Day Weekend. This trip should appeal to both the mineral and lapidary people since the flint beds often contain vugs lined with quartz crystals and sometimes have barite and calcite crystals. Flint Ridge flint is well known for its lapidary qualities and is the state gem of Ohio. The Flint Ridge Lithographic Society is sponsoring a large flint knapping show at the Flint Ridge Park and Museum. This event attracts master flint knappers from all over the country who will be demonstrating their ancient art of making flint arrow and spear points and other tools. There is an admission charge per vehicle into the park and museum admission is included.

The flint collecting will take place at the John Nethers Farm. Collecting is not allowed at the park and this is the only private property that now allows flint collecting, but this is one that has always been known for the high quality of their flint. They charge a collecting fee that entitles one to collect twenty (20) pounds and anything over 20 pounds is extra per pound. The Nethers farmhouse is a white two story at 8680 Flint Ridge Road (Muskingum County Highway 8). The collecting site is in the woods across the road from the house with parking space for several cars. If no one is home you may go ahead and collect. There is a scale to weigh your stuff on the side porch and some envelopes to deposit your money in the door with written instructions explaining all this. (Note: In 2001 the fee was \$2.00 and 25c per pound over the allowed limit. The charges may have changed so please be honest.)

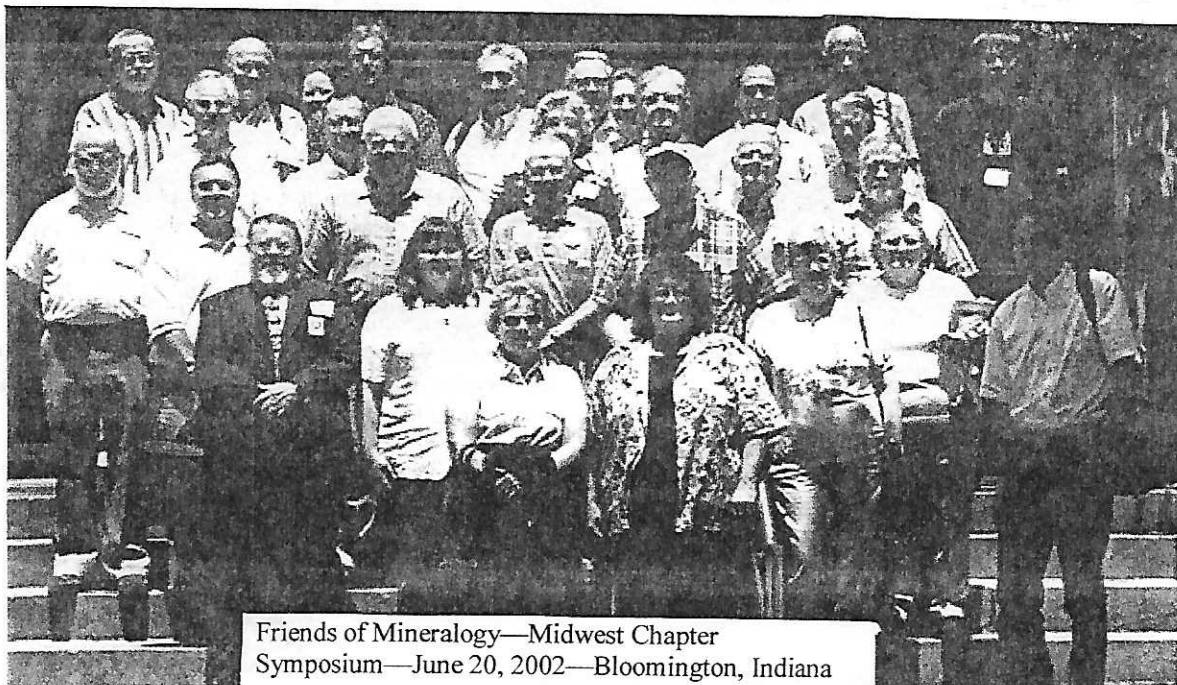
Equipment you may need includes shovels, trowel, hammers, chisels, pry bars, gloves, buckets and water and brushes for washing to check your material.

There is no special meeting place or time to meet—this will be to individual preference. You may wish to spend most or all of your time collecting flint and quartz. Others might wish to spend part or some of the time visiting the museum and flint knapping show.

To get to Flint Ridge take I-70 east from Columbus, Ohio, about 32 miles to Exit 141. From that exit you will take Licking County Route 668 (Brownsville Road) North to Brownsville where Route 668 takes a turn to the left along Route 40 for one block. The road then turns right and continues north again to the Flint Ridge Memorial Park and Museum, on the right, at the intersection of Routes 668 and Flint Ridge Road. To get to the John Nethers Farm from Flint Ridge Park, I suggest you rely on the map printed in this newsletter on page 5 since it would take too many words and too much space in the newsletter to give both written directions and the map.

There should be motels available in Newark and Zanesville. Both cities are within 15 to 20 miles of Flint Ridge. There is possibly also a private campground a short distance east of the park on Flint Ridge Road and some old maps indicate another campground on Route 40 near the intersection of Route 40 and County Line Road.

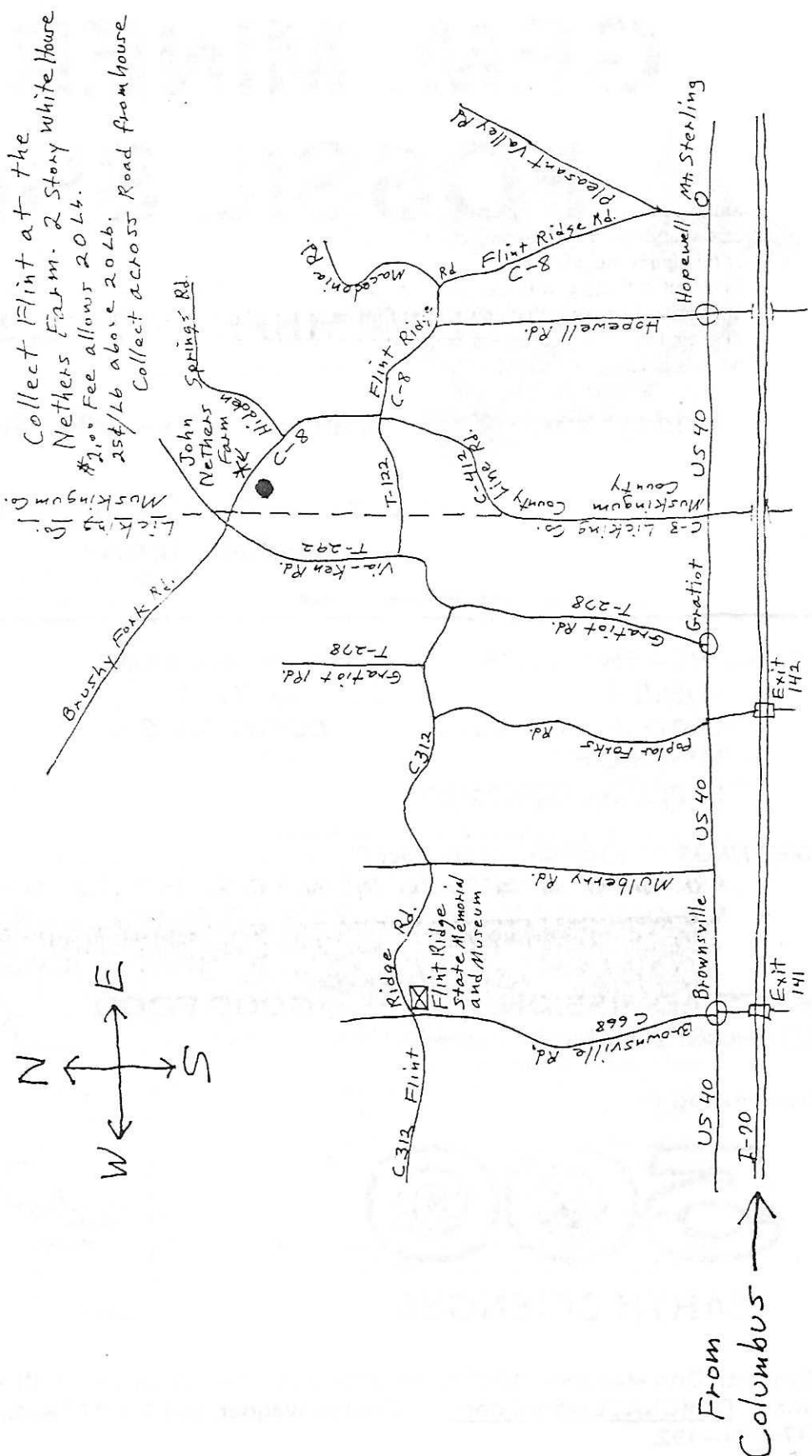
MAP TO FLINT RIDGE IS ON PAGE 5



Friends of Mineralogy—Midwest Chapter
Symposium—June 20, 2002—Bloomington, Indiana

MAP TO SEPTEMBER FIELD TRIP—JOHN NETHERS FARM, FLINT RIDGE, OHIO

FOLLOW C-312 FLINT RIDGE ROAD (EAST) IN LICKING COUNTY TO T-122 IN LICKING COUNTY TO T-122 IN LICKING COUNTY EAST INTO MUSKINGUM COUNTY TO C-8. TURN NORTH (LEFT) WHICH MAY BE NAMED BRUSHY FORD ROAD OR FLINT RIDGE ROAD. THE COUNTY LINE IS POSSIBLY THE DIVIDING LINE FOR THE ROAD NAMES. THE COLLECTING SITE IS AT THE BLACK DOT.

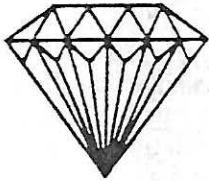




26th ANNUAL



Greater Indianapolis GEM, MINERAL & FOSSIL SHOW



SEPTEMBER 6 – 7 – 8, 2002

Friday: 9:00 – 8:00, Saturday: 9:00 – 7:00, Sunday: 10:00 – 4:00

Hancock County 4-H Fairgrounds,
Greenfield, Indiana

DEALERS – SWAPPERS

- FOSSILS
- GEMS & JEWELRY
- MINERALS
- LAPIDARY EQUIPMENT

SILENT AUCTIONS

- RAFFLES
- DOOR PRIZES

EDUCATIONAL

- + DISPLAYS
- + DEMONSTRATIONS
- + PROGRAMS
- + KIDS' ACTIVITIES

MEETINGS on Saturday, September 7

- FRIENDS OF MINERALOGY, INDIANA CHAPTER: 12:00 noon
- MID-AMERICA PALEONTOLOGY SOCIETY (M.A.P.S.), INDIANA CHAPTER: 2:00 p.m.

FREE ADMISSION

(\$1 donation per adult is requested.)

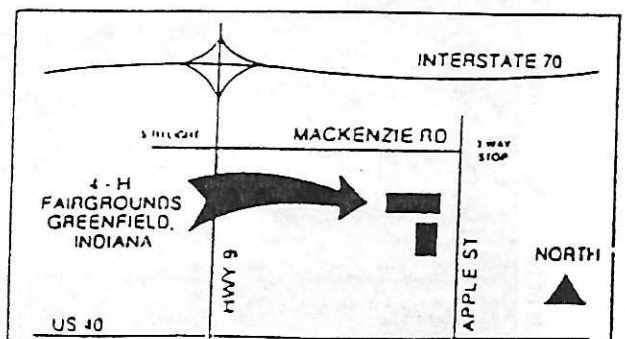
GOOD FOOD

RV SPACES

Sponsored by



EARTH SCIENCES



Contact: Don Mahoney, 1320 Kessler Blvd., W. Dr., Indianapolis, IN 46228-1949, 317+255-5872,
email: DLMCNACLU@aol.com, or George Wagner, 501 No. 17th Ave., Beech Grove, IN 46107,
317+784-4192.

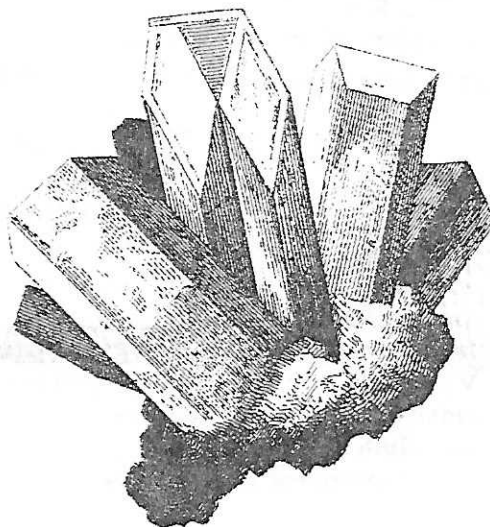
UPDATE ON MEMBERSHIP LIST:

Please make the following changes to your membership list

Kim Greeman
7826 Hoover Road
Indianapolis IN 46260
H. 317-252-5828

Add:

Peggy Fisherkeller
Curator of Geology
Indiana State Museum
665 W. Washington St.
Indianapolis IN 46204
317-232-7172
(FAX) 317-233-8268



CALENDAR OF EVENTS:

Sept. 6-8—GREENFIELD IN: 26th Annual Greater Indianapolis Gem, Mineral & Fossil Show. Hancock County 4-H Fairgrounds. Fossils, gems & jewelry, minerals, lapidary equipment, silent auctions, displays, demos, kids activities. Friends of Mineralogy-Midwest Chapter meeting 12 noon; Mid-American Paleontology Society (M.A.P.S.) Meeting 2 pm. Free admission, but \$1 donation per adult requested. Fri. 9-8, Sat. 9-7, Sun. 10-4. Information: Don Mahoney 317-255-5872

Sept. 11-15—DENVER CO: Colorado Mineral & Fossil Show, Holiday Inn-Denver North 4849 Bannock St. (where I-25 meets I-70). Wholesale & retail, dealers on 3 floors. Free Adm. Free shuttle bus to the Merchandise Mart Show.

Sept. 13-15—DENVER CO: Denver Gem & Mineral Show and Colorado Fossil Expo. Denver Merchandise Mart and Plaza Annex, 58th & Washington St. (North of I-70). Hrs. Fri. 9-6, Sat. 10-6, Sun. 10-5. Adm. \$5.00 for both shows.

Sept. 21-11 CLARKSVILLE/JEFFERSONVILLE IN: Falls of the Ohio State Park & Clarksville Riverfront Foundation announce the 8th FALLS FOSSIL FESTIVAL. Falls of the Ohio. Sat. 9-7, Sun. 10-5. Fossil & Mineral Swap and Sales. Fossil collecting rock piles from Liter's Quarry, speakers, collecting

workshops, fossil identification, guided hikes, etc. Information: Alan Goldstein 812-280-9970.

Oct. 4-6—SPRINGFIELD IL: 2002 Midwest Federation Convention and Show. Sponsored by Lincoln Orbit Earth Science Society (LOESS). Illinois Building, Illinois State Fairgrounds. Fri. 9-7, Sat. 10-6, Sun. 10-5. Convention registration begins Thurs. 10/3, 8 am - 4 pm. Registration deadline 9/1. Information at <http://www.loess.org>



State mottos

- Colorado: If you don't ski, don't bother.
- Florida: Ask us about our grandkids.
- Illinois: Please don't pronounce the "s".
- Indiana: 2 billion years tidal wave free.
- Iowa: We do amazing things with corn
- Kansas: First of the rectangle states
- Oklahoma: Like the play, only no singing.
- Michigan: First line of defense from the Canadians.
- Ohio: At least we're not Michigan.
- North Dakota: We really are one of the 50 states!
- South Dakota: Closer than North Dakota