



NEWSLETTER

of the INDIANA CHAPTER, FRIENDS OF MINERALOGY, INC.

Volume IV: No. 4

July 1990

FIELD TRIP TO DOE RUN LEAD MINES

Viburnum, Missouri

Friday, August 10

8:00 am at the Mine Office

Additional collecting and mineral museum tours on Saturday the 11th and Sunday the 12th in the Old Lead Belt area just east and northeast of the Viburnum area.

This exciting Field Trip into Doe Run Mine of the famous Viburnum Trend has been arranged by chapter member Bob Hartup who has contacts through his work in the lead and battery industries. Needless to say, this trip is a rare opportunity for us to go underground in the world's most productive lead region. The mine operators have tailored the visit for us to include underground collecting. Most of the ore is massive galena, but we may find crystals as well.

In addition to the scheduled mine trip, there are plenty of above-ground things to see in the Old Lead Belt area of Missouri. Rich Eddy has explored the Old Lead area and the nearby Pilot Knob iron mine, and has information on surface collecting, historical mining sites, a Civil War battlefield, and the mineral museum at the Missouri Mines State Historical Site. He will be happy to arrange outings with those who arrive for the Doe Run tour for an "extended" field trip.

See the following pages for more information, and please call Rich Eddy at (812) 372-2745 if you plan to participate in the Doe Run Field Trip. Hope you can make it!

CHAPTER CALENDAR FOR 1990

- July 19-22 - 50th Anniversary Midwest Federation Show, hosted by the Evansville Lapidary Society, Inc. (see flyer)
- August 10-12 - Field Trip into the Doe Run Mine near Viburnum, Mo.
- Sept. 8 - Greenfield Show. Sponsored by the 500 Earth Sciences Club at the 4-H Fairgrounds in Greenfield, Ind. We plan to meet during the show.
- October 27 - Indiana State Museum Rock, Fossil and Mineral Day open to the public for education. No sales allowed. Exhibits, give-aways, and club information welcome.
- Nov. 11 - Annual meeting and program at the Indiana State Museum. Program: Chapter member Fred Lewis.

- The chapter meeting scheduled for June at the Bloomington Swap was cancelled due to the lack of a program and the unavailability of most of the officers.
- Secretary/Treasurer Wanda Aldred, wife of Bloomington Swap Chairman George Aldred, reported the swap worked well at its new location, and was "even larger than before, if that's possible!"
- Membership is now at 46 members for 1990. Recent new members are:
 - Luella and Jan Bond, 1044 SR 261, Booneville, IN 47601
 - Ken Greeman, 6447 Lafayette Rd., Indianapolis, IN 46278
 - George Heaton, 5684 Babbitt St., Haslett, MI 48840
- Don Schuder reported on some field trips he led in Michigan's Copper Country just prior to the Red Metal Retreat in Houghton, Michigan. A number of chapter members and friends from Indiana, Wisconsin, and Michigan joined Don for field trips to copper mines and agate/thomsonite beaches. This was a nice additional experience for those who made the long trip north to the Keweenaw.
- The Red Metal Retreat also was a success. The auction raised over \$1,000 to benefit the Seaman Mineral Museum at Michigan Tech in Houghton. Participants in the Retreat included Terry Huizing, Jeff Kosmala, Don Schuder, and Dick Eddy. The one reported snag was the field trip to Owl Creek, which ended up "lost" during a rainstorm and mutinied before going to the Phoenix Mine where they found copper, adularia, and analcime.
- Business matters: our chapter's exempt organization tax return and Not-for-Profit annual report have been filed, and our liability insurance renewal has been paid to our carrier, Cincinnati Insurance Co. Also, Wanda Aldred has mailed in our national dues to the Friends of Mineralogy.
- Our chapter treasury stands at \$120.77
- Rich Eddy has returned from Siberia and other points in the USSR and has a couple specimens and a geological map in Russian for a future "show-and-tell" time. While in Siberia, he visited the mineralogical museum in Akademgorodok - the academic community just outside of Novosibirsk. Unfortunately, the museum did not have a store for book or mineral sales. The collection, which seemed to be devoted exclusively to Siberia and the far eastern USSR, was excellent.

NEW and RENEWING MEMBERS.... You may bring dues to any meeting or field trip, or mail directly to Secretary Wanda Aldred, RR #2 Box 175, Shoals, IN 47581. Annual dues are \$16.00 (\$10.00 for additional member in the same family) and include National and Chapter dues and liability insurance protection through the Cincinnati Insurance Co. If you or someone you know would like assistance with paying the membership fee, please contact any officer; a special fund has been set up to do this.

Purposes of the Indiana Chapter:

1. To promote interest in and knowledge of mineralogy.
2. To advance mineralogical education.
3. To protect and preserve mineral specimens and promote conservation of mineral localities.
4. To further cooperation between amateur and professional and encourage collection of minerals for educational value.
5. To support publications about mineralogy and about the pro-

THE DOE RUN LEAD MINE FIELD TRIP FRIDAY AUGUST 10, 1990

There was simply no way to schedule a tour of this facility on a week-end. The mine and mill are both shut down almost all week-ends. Given our limitations of month and week-end it was just impossible.

So..., our field trip will be on the above mentioned Friday - I felt it was important to let everyone know as earlier as possible so that vacations could be scheduled. Sorry if this is an inconvenience for anyone. Even good friends can not over ride the mine manager!!!

LOCATION AND ROUTE

THE DOE RUN COMPANY PO BOX 500 VIBURNUM, MISSOURI 65566
TOTAL MILES FROM INDIANAPOLIS 370

THE MINE IS ROUGHLY 8 HOURS FROM INDIANAPOLIS. SEE THE ATTACHED MAP FOR THE SUGGESTED ROUTE. THE ONLY "TRICKY PART" IS THE TURN ON TO SOUTH HYW# 49 FROM HWY# 19 AT CHERRYVILLE. WATCH CLOSELY FOR IT!!

ABOUT THE MINE

DOE RUN CO. IS THE COMPOSITE OF TWO SMALL LEAD COMPANIES WITH THE OLD ST. FOE LEAD GROUP. DOE RUN OPERATES 6 MINES IN THIS WORLD CLASS MINING AREA. NEARLY 90% OF THE WORLDS LEAD COMES FROM THIS AREA, AND 60% OF IT COMES FROM THE TWO MINES WE WILL BE SEEING.

ASARCO AND COMINCO ALSO OPERATE MINES (A TOTAL OF THREE) IN THE AREA.

THE MINES WE WILL SEE RANGE FROM 400 TO 1100 FEET DEEP AND OVER 6 MILES LONG UNDER GROUND. THE MINE TEMPERATURE IS 55 TO 60 DEGREES AND FOR THE MOST PART DRY.

MAJOR GEOLOGICAL FORMATION

THE VIBURNUM TREND IS THE ORE BODY FOR THE WHOLE AREA. THE COMPANY GEOLOGIST WILL TELL YOU ABOUT IT DURING THE VISIT.

MINERALS IN THE AREA OF THE MINE

MOST OF THE MINERAL DEPOSITS ARE MASSIVE, NEARLY ALL MINES ARE THIS WAY. CRYSTALS ARE RARE, BUT THEY ARE THERE!

THE MOST LIKELY ONES ARE: CALCITE, COCHALCITE, PYRITE, GALENA, SPALLERITE, QUARTZ, QUARZTZITE, JAMESONITE, AND CALCOPYRITE. SOME OTHERS HAVE BEEN FOUND ON OCCASION.

ACCOMMODATIONS

THE VIBURNUM INN IS THE ONLY ONE IN THE AREA. THE PHONE NUMBER IS 1-314-244-5600.

ROOM RATES

PEOPLE	\$ PER NIGHT
1	27.49
2	31.78
3	33.90
4	36.01

OUR HOSTS

MR. JOHN FITZSIMMONS - MINE MANAGER
MR. BILL MOUNT - ASST. MINE MANAGER
MR. DICK AMISTADI - VICE PRESIDENT DOE RUN CO.
MR. LANNY EVANS - TECHNICAL SERVICES MANAGER
MR. EVANS IS OUR TOUR CONTACT PERSON, 1- 314-244-8110,
OR 1-314-244-8610.

EQUIPMENT AND RULES

Doe Run Co. will provide all of the equipment needed for the mill tour as well as the under ground tour of the mine. We will be required to wear the furnished boots and other safety equipment.

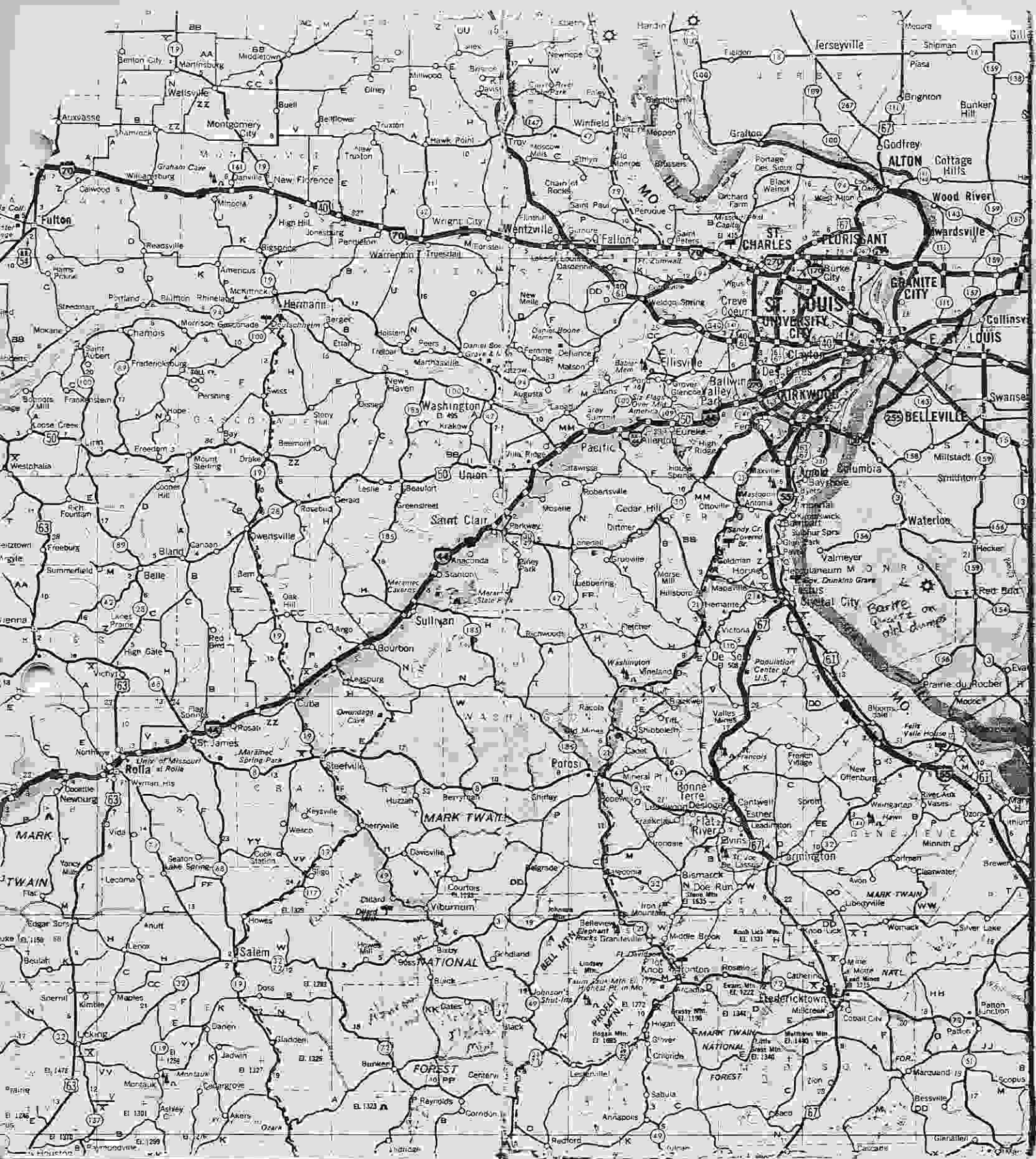
THE DOE RUN COMPANY HAS REQUESTED THAT TENNIS SHOES NOT BE WORN FOR THE PLANT TOUR OR THE MINE TOUR!!!!!!

So we should wear a good walking boot or shoe and comfortable cloths. Otherwise, they take care of everything else.

BE AT THE MINE OFFICE BY 8:00 AM, FRIDAY, AUGUST 10, 1990.

I hope everyone enjoys the trip. Further information or questions - call me : work 786 1997 or 783 1721 and at home 784 1797.

THANKS,
BOB HARTUP



Map with location of and suggested route to
Viburnum, Mo.

MISSOURI MINES STATE HISTORIC SITE

DEDICATION AND OPENING

On Sunday, May 8, 1988, Missouri Mines State Historic Site, Flat River, will be dedicated and opened to the public as the newest of Missouri's 73 state parks and historic sites operated by the Department of Natural Resources.

BRIEF DESCRIPTION AND HISTORY

For many decades the Old Lead Belt, centered around Flat River, was the world's leading producer of lead ore. Over the years many companies were involved in the mining activities with the St. Joe Lead Company surviving all of them.

Federal Mill No. 3 was constructed by the Federal Lead Company in 1906-07 in Flat River as a lead ore concentrating plant. In 1923 the Mill was purchased by the St. Joe Lead Company and in 1925 Shaft No. 17 was dug here (the only one in the Old Lead Belt dug from the bottom up) primarily to hoist ore from an underground collecting point.

On October 1, 1972, all mining activity ceased in the Old Lead Belt. The deep shafts are sealed. In 1976 the State of Missouri accepted the gift of 8,500 acres of land, including the Mill, from the St. Joe Minerals Corporation. The property became St. Joe State Park. In November, 1980, the Mill complex was separated from the Park and became Missouri Mines State Historic Site.

MUSEUM

The Power House has been converted to a museum of minerals, mineral resources, and mining history and technology. One large gallery exhibits 12 large pieces of underground mining equipment including one of the 52 famous St. Joe Shovels and a 15 ton mainline locomotive. A second gallery deals with the State's geology, mineral resources and minerals of Missouri and the world. A third gallery is under development and will deal with the history and technology of the various mining industries in Missouri. Mining films are shown on schedule.

The Museum Shop offers for sale related books, rockhound equipment, mineral jewelry and other materials.

MUSEUM SOCIETY

The Missouri Mines Museum Society is an incorporated not-for-profit support group of interested individuals and families. Members enjoy free admission with guest privileges and a discount at the Museum Shop. New members welcome.

THE SITE

Surface tours of the site will show the milling process. Detailed plans have been made to restore certain structures.

HOURS

Monday-Saturday: 10:00 A.M.-4:00 P.M.
Sunday: Noon-6:00 P.M. during the summer. Noon to 5:00 P.M. during the winter months.

ADMISSION

Adults, \$1.25; children (6-12), ~~50¢~~ **.75**
Under 6, free. Reduced rates for groups on appointment only.

For further information contact Warren L. Wittry, Site Administrator, P.O. Box 492, Flat River, MO 63601, (314) 431-6226.



EVANSVILLE LAPIDARY SOCIETY, INC.

EVANSVILLE, INDIANA

hosts the Golden Jubilee!

Public invited for
four fun-filled days!

Special attractions include:

- World's Largest Faceted Golden Topaz
- Moon Rocks — Nasa Exhibits
- Outstanding Displays
- Museum Exhibits — Private Collections
- Special Programs
- Demonstrations
- Silent Auction
- Swap Area
- Special Youth Activities
- Door Prizes
- Rolling Rock Meeting — Sunday
- Field Trips

ADMISSION:

- Adults \$3.00
- Youth 6-16 \$1.50
- Under 6 FREE with Adult

THURSDAY — YOUTH DAY

- Under 16 FREE with Paid Adult
- Family Discount noon till closing

FRIDAY — SENIOR CITIZEN DAY

- Over 60 — half price
- 10 am to 4 pm

SPECIAL 4-DAY PASS \$10.00

HOURS!

- Thursday-Saturday
10 am-8 pm
- Sunday 10 am-5 pm

**RETAIL & WHOLESALE
DEALERS AVAILABLE**

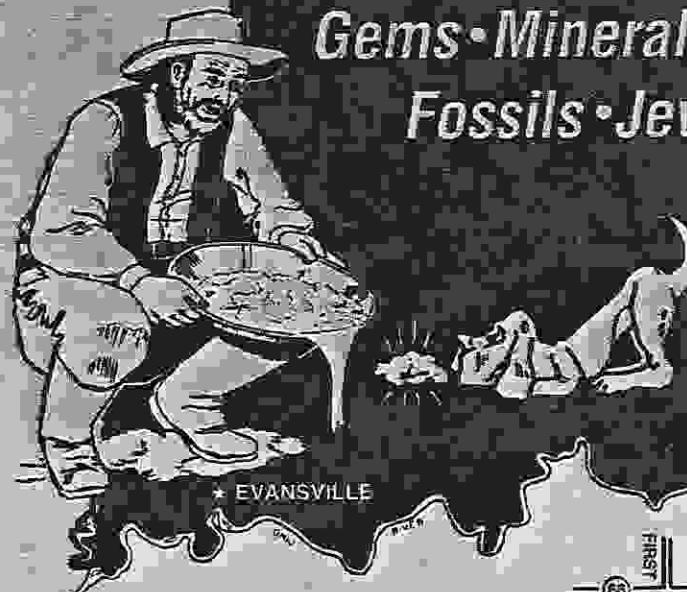
Camping Nearby
Food Available



Midwest Federation 50th Anniversary Convention & Show

JULY 19-22, 1990

Gems • Minerals • Rocks Fossils • Jewelry



AIR CONDITIONED
GREEN CONVENTION CENTER

For further information, contact:

Evansville Lapidary Society, Inc.
P.O. Box 4188
Evansville, Indiana 47724

