



NEWSLETTER

of the INDIANA CHAPTER, FRIENDS OF MINERALOGY, INC.

Volume I: No. 3

May - June 1987

SPECIAL NOTE: Due to the request by the Meshberger Quarry people, that we not publicize our field trip there, this Newsletter is being sent only to our members. A different, promotional mailing will be sent to our list of prospects and interested friends. Please help us keep future trips to Meshberger possible by not advertising this outing.

Field Trip to Meshberger Quarry

Columbus, Indiana

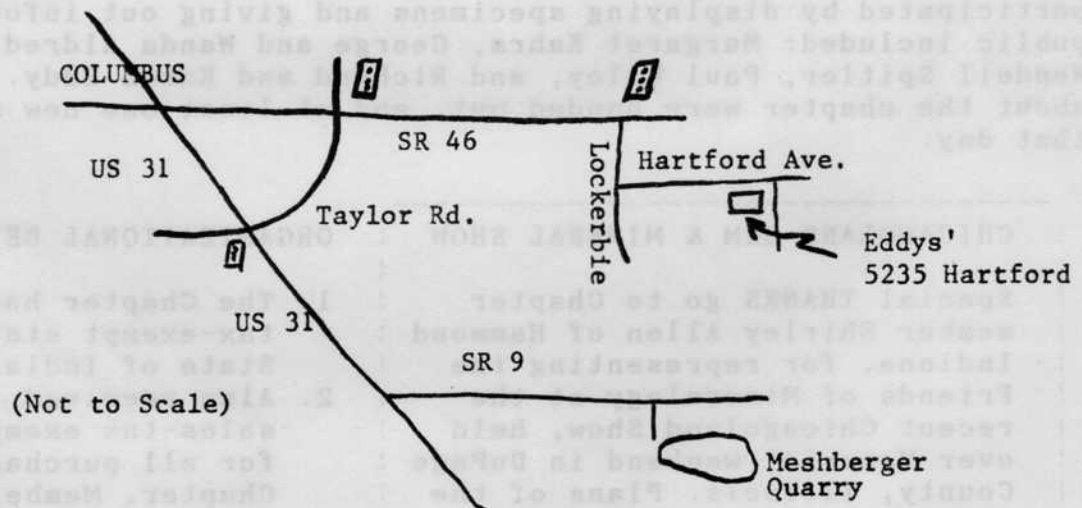
This Saturday, June 6

8:00 am to 12:00 noon.

(see the attached sheet prepared by Vern Swanson)

After Meshberger's, Join Us for MeshBURGERS

Chapter members who participate in the Meshberger Trip are invited to a cook-out lunch at Karen and Rich Eddy's home, 5235 Hartford Ave., Columbus, at 12:30 following the expected 12:00 noon quarry closing. Hamburgers, hotdogs, cole slaw, lemonade and iced tea will be provided; feel free to bring any other side dishes, soda-pop or chips.



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 programs of kindred organizations.

Upcoming Chapter Meetings:

- June: Saturday, June 13 at the Bedford Rock Swap, Bedford, Ind.
Executive Board Meeting: 3:30 pm
General Meeting: 4:00 pm
Program: "Glory Holes and Other Tall Tales"
(Stories about collecting and dealing
by notables in the field)
Agenda: Insurance update, plans for 1988, newsletter mailings (should we limit our mailing list to members only, or maintain a wide distribution to prospects, other clubs, colleges, etc.), traveling display(s) for future shows, field trips.
- July: Field Trip to the Keweenaw Peninsula, Michigan
Current plans are to coincide with the Copper-Country Rock Show the last weekend in July, and to have Chapter member Donald Schuder of West Lafayette along as guide. More information will be forthcoming.
- September: September 12 or 13 at the Greenfield, Indiana Swap
Program and exact time to be determined.
- September/October: Field Trips to Anderson, Ind. and Cave Stone Quarry, near Hope, Indiana. Dates to be determined.
- November: Annual Meeting - to be announced.

INDIANA FOSSIL AND MINERAL DAY

On Saturday, May 30, 1987, the Indiana State Museum held its 3rd annual "Indiana Fossil and Mineral Day" at the State Museum in Indianapolis. Ron Richards, Curator of Natural History, and our Chapter's resident agent, organized the event with the help of volunteers like Vern Swanson, who curates the museum's mineral collection. Chapter members who participated by displaying specimens and giving out information to the public included: Margaret Kahrs, George and Wanda Aldred, Vern Swanson, Wendell Spitler, Paul Wiley, and Richard and Karen Eddy. Many flyers about the chapter were handed out, and at least one new member signed up that day.

CHICAGOLAND GEM & MINERAL SHOW

Special THANKS go to Chapter member Shirley Allen of Hammond Indiana, for representing the Friends of Mineralogy at the recent Chicagoland Show, held over Memorial weekend in DuPage County, Illinois. Plans of the Chapter to put together a new mineral display in time for the show fell through, so Shirley entered her own exhibit of Indiana specimens for us. This was in addition to her other responsibilities that weekend as Exhibits Chairperson.

ORGANIZATIONAL DEVELOPMENTS:

1. The Chapter has received its tax-exempt status from the State of Indiana.
2. Also received is an Indiana sales-tax exemption certificate for all purchases made by the Chapter. Members who are asked to purchase items for the group will be given the number and a slip to be given the retailer. Excluded from such exemption are items for personal use or consumption by members (such as meals).
3. We have filed for an advance determination of 501(c)(3) tax-exempt status with the IRS, and are awaiting word.

Our April meeting was held on April 25th in conjunction with the Cincinnati Gem and Mineral Society's annual show, at the Cincinnati Convention Center. As always, it was an excellent show, and the Chapter owes special thanks to the Cincinnati Society, and to some individuals who made our meeting successful: to Terry Huizing, for arranging our place on the weekend schedule, on faith, even before we had formed as an organization; to Chris Parrett for helping with the logistics of the meeting; to Terry and to Nelson Shaffer for arranging an excellent program; and especially, to Dr. Carl Francis for presenting that excellent program. Approximately 40 people attended our meeting and program, and we added 5 new members that day.

SUMMARY OF DR. FRANCIS' TALK:

Carl Francis, curator of the Harvard Mineralogical Museum, spoke on "Twinning in Calcite". He covered five aspects of twinning: symmetry, twinning, twinning in calcite, how to recognize twinning in calcite, and complications which arise in actual crystal formations. He distinguished between random intergrowths of crystals, and the highly regular and mathematically predictable twinning which follows planes of symmetry. He explained how to locate the c-axes in a twin, and showed how the twins of calcite form according to one of four twin laws: 180° , 127° (rhomb), 90° , or most rarely, 53° (degrees are rounded off). The twin laws also apply to other carbonates in the calcite group. After talking about some unusual cases, such as the difference between a contact twin and a penetrating twin, and his recommendation not to use the term "rotation twins" when referring to calcites, Dr. Francis showed some slides of crystals to illustrate the principles of calcite twinning. He closed with an appeal to amateur mineralogists to do work on crystal morphology, an aspect of mineralogy which he said is not being pursued by professionals.

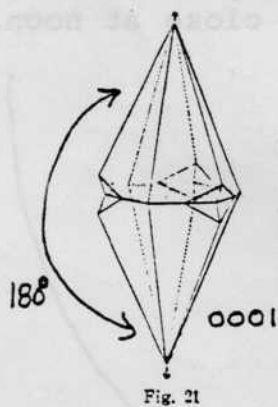


Fig. 21

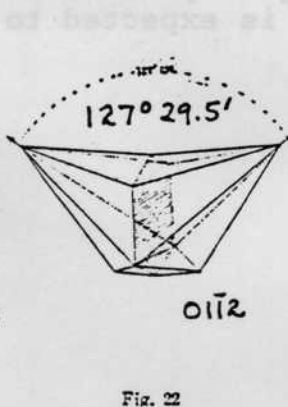


Fig. 22

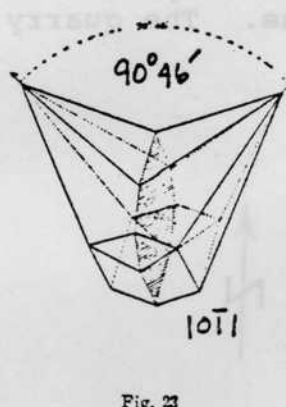


Fig. 23

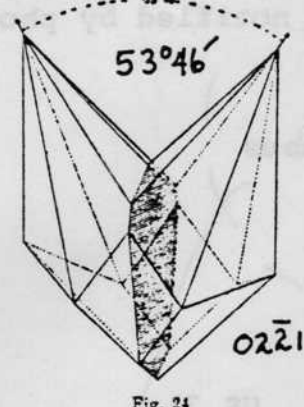


Fig. 24

From Whitlock's "Calcites of New York" (Handout from Dr. Francis)

Field Trip to Salem, Ind.

May 9 was a perfect Saturday for the 14 of us who collected in the Hoosier Stone and Concrete Quarry in Salem, Ind. Beautiful weather, the fellowship of lunch together in town while blasting took place, and extra hours of collecting time granted by the quarry supervisor all contributed to a great day. So did some outstanding pockets of celestite found by Nelson Shaffer and Richard Russell.

Minerals Collected at Salem on this Field Trip:

Celestine	Sphalerite
Calcite	Dolomite
Quartz	Strontianite
Marcasite	

New Member Information: The roster now stands at 31, and is included in this issue. Welcome to all new members!

Indiana Chapter
Friends Of Mineralogy

Field trip June 6, 1987
Meshberger Stone, Inc.
Columbus, Indiana

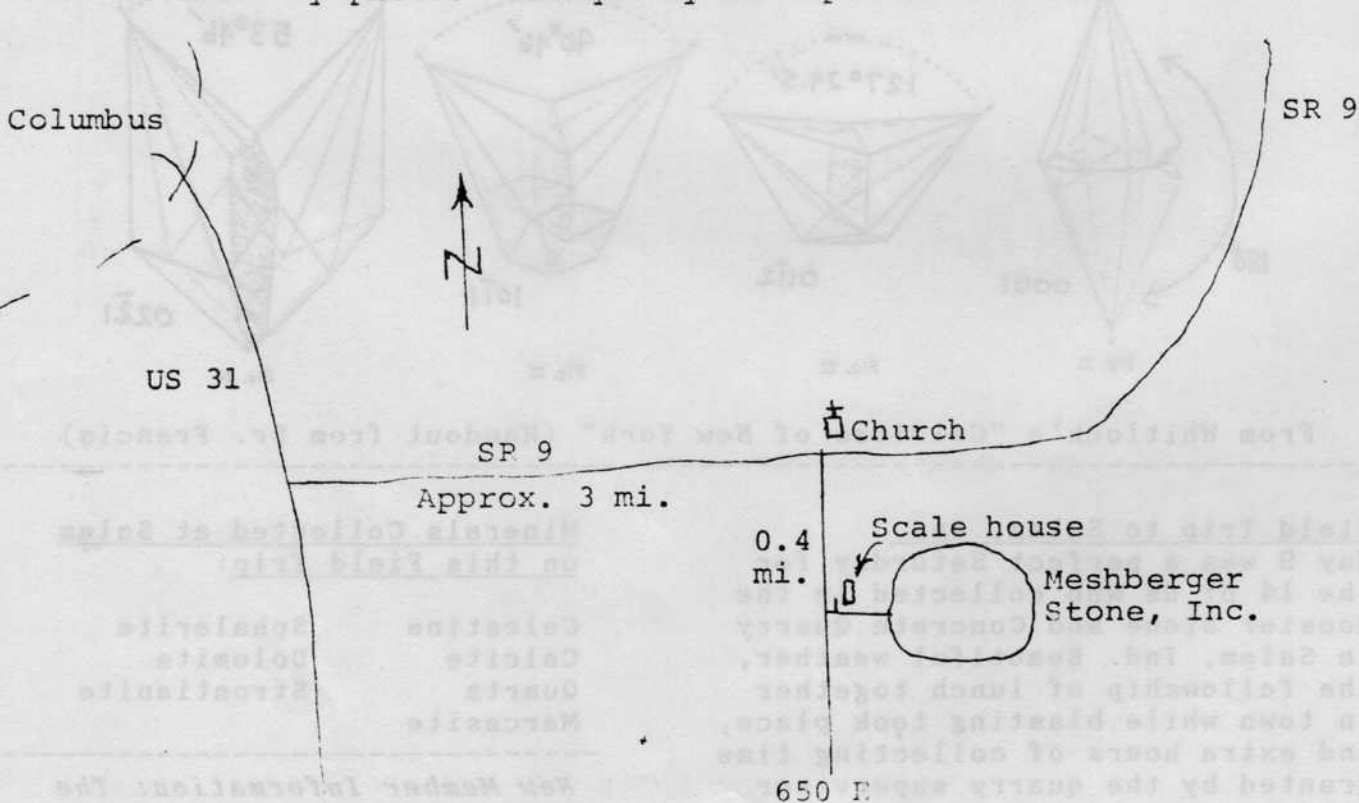
Quarry location: 2.3 miles E. on SR9 from junction of SR9 and US31;
then 0.4 miles South. 3410S 650E See sketch below.

Geology: Devonian New Albany Shale 2 Ft., North Vernon Ls. 2-3Ft.,
Jeffersonville Ls. 36 Ft., Geneva Dolomite 30 Ft.
Silurian Louisville Ls. 20 Ft., Waldron Shale

Minerals reported: calcite, pyrite, marcasite, quartz, fluorite,
sphalerite, glauconite, bitumen.

We will meet at the scale house at 8 AM, where we will sign a release before entering the quarry. Hard hats must be worn and good eye and foot protection is suggested. We are the first to be allowed the privilege of collecting since the new Superintendent (Lee Percifield) took over so permission was granted very reluctantly. We will be checked on our behavior so discretion and judgement must be used in approaching or working near the quarry walls. Collecting was formerly discontinued because of people not staying away from the walls. It was requested that we limit the number of people. Therefore, only members will be allowed. We were also asked not to pass on the information that we were allowed to visit, since they do not want to get field trips by clubs or individuals started again. Your actions may be the deciding factor in arranging another trip there next year.

Final verification will not be received until June 4th, so if cancellation becomes necessary due to quarry conditions, members will be notified by phone. The quarry is expected to close at noon.



INDIANA CHAPTER, FRIENDS OF MINERALOGY, INC.
CINCINNATI CONVENTION CENTER
CINCINNATI, OHIO
April 25, 1987

The meeting was called to order by President Rich Eddy, who introduced the speaker, Dr. Carl A. Francis curator, Harvard Mineralogical Museum. Dr. Francis spoke on calcite twinning. A very interesting and easy to understand speaker. There were slides of several Indiana calcite specimens, from locations over the state, showing different twinning trends. After the program any one interested was invited to stay for the business meeting. The minutes were approved as published in the news letter. The treasurer's report showed a balance of \$109.00.

Vice President Vern Swanson told of several upcoming field trips for members or serious intended prospects. Mentioned were Salem, Ind. May 9th., Meshburger June 6th., and later in the year Anderson and Cavestone quarry. A trip to Copper country would have to be a 3 day trip for most members. Further discussions will be at the upcoming field trips and the Bedford swap. He also ask all members to please send your phone number to him, that you may be contacted in case of last minute changes in field trip plans.

Chicagoland Show;

Shirley Allen will take the club show case to the show and return it to Rich Eddy at the June field trip or the Bedford swap. Rich has a case and will set it up, take it to Shirley. Shirley also ask if the club was interested in sending- taking a case to the Midwest Federation show, June 25-27, Dearborn, Mi.?

Later the club plans to buy a case and fill it with choice Indiana minerals. If you have a specimen you would like to donate to this case, send or take it to Rich Eddy.

A letter was read from Albert Kidwell F O M treasurer, explaining the "seed money" voted into being at the Tuscon show. It is just that "seed money" to help new clubs to get started. It does not have to be paid back. It does need to be requested. A motion was made by George Aldred and second by Vern Swanson, ^{to ask for this money.} Motion carried

Future activities:

A symposium on Indiana minerals. Think of this possibility, and how it could be conducted, where and by whom? Nelson Schaffer suggested the Indiana Academy of Science might help on this project. Dr. Molton has already voiced intent to help us, also the sesquicentennial of the Geological Survey is coming up. Something could be worked out in connection.

