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THE ANNUAL PICNIC will be held Sunday, June 10, at the home of Homer and Angie Godfrey, 896 Grand Ledge Highway. Their place is the first farmhouse on the south side of the road west of Benton Road. It is on M43 west of Grand Ledge, approximately two miles west of the Montgomery Ward warehouse on the M43 bypass at the corner of Oneida Road just west of the big curve. The potluck dinner is set for 1:30 p.m. There will be an opportunity to visit the Grand Ledge clay pits after dinner for those who wish to collect.

Arrangements have been made to eat indoors in case of rain. Go to the Godfreys for directions if this happens.

See you there, all ready for food and fun !

IDENTIFICATION - CALCITE

Calcite is the most abundant of all the carbonate minerals. It is very common as crystals, and even more so in other forms.

Chemically, calcite is calcium carbonate. It is a soft mineral -- No. 3 on Moh's scale -- so can be easily scratched with a knife. Its luster varies from glassy to earthy and it is usually brittle.

Crystals of calcite occur in a great variety of forms and combinations. About three hundred different ones are known, this being more than for any other mineral. Often the crystals are twinned. Some of them are hexagonal, some prisms, and occasionally some are rhombohedral. However, rhombohedrons are usually formed by cleavage. Calcite has good cleavage in three directions, not at right angles, so forms rhombohedrons.

The following are a few common occurrences of calcite:

- Veins in other rocks
- Lining of cavities or geodes
- Iceland Spar -- transparent calcite with double refraction (the optical property of bending light two ways and so making images appear double.)
- Dogtooth Spar -- long pointed crystals
- Nailhead Spar -- flattened rhombohedral crystals
- Stalactites and Stalagmites -- icicle-like formations in caves
- Travertine -- massive, non-crystalline, opaque calcite found in caves
- Onyx -- banded travertine
- Tufa -- porous formations from springs
- Limestone -- sedimentary deposits of calcite
- Marble -- metamorphosed limestone
- Calcite sand crystals -- intertwined crystals found in the Badlands of South Dakota
- Oolithic sand -- formed as round grains on the shore of the Great Salt Lake

The most distinguishing features of calcite are that it is soft enough to be easily scratched, effervesces in acid, and cleaves into rhombohedrons.

Calcite is frequently fluorescent under ultraviolet light and sometimes is phosphorescent. Calcite from Franklin, New Jersey, fluoresces a beautiful bright red due to the presence of minute quantities of manganese.

Calcite has several uses. Iceland Spar is used in making optical instruments, limestone is used in making cement, and both limestone and marble are widely used as building stones.

Frank and Eleanor Owens

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For once the weatherman smiled on our club picnic held June 10 at the home of Homer and Angie Godfrey near Grand Ledge. Exactly fifty people sat down at a table loaded with the tasty food that makes club dinners famous. Blue skies, balmy air, lively conversation, and interesting articles brought to be examined added to the pleasure of the day. A group led by Irene Jane Brett made a trip to the Grand Ledge clay pits, with some luck in finding fossils. It was a day to be remembered happily.

SAFETY

Well, as you all know this is the last meeting for two months, and all you nice people won't have all those little safety articles to read every month. Summer is the time to have lots of fun, but if you hurt yourself because of a silly little slip or mistake that could have been avoided if you had been more careful or thought just a minute, you will not only hurt, but also hate yourself for a while. So just try to keep in mind some of the articles that I have put in the paper each month. When driving be extra careful of the other fellow because he may not have heard about being careful when driving. Also, on those field trips,

BE CAREFUL. Use those safety glasses, helmets, and sturdy shoes. And please don't litter. It would probably be good exercise for you if you bent over and picked up some of that scrap paper that you see floating around on the ground. Remember -- every litter bit hurts.

Please be careful this summer. I mean extra careful. Think before you do it. Think, think, THINK ! And come back this fall with lots of stories of fun, with no sad ones of pain and sorrow.

Your Safety Chairman
William Rogers

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SUMMER ACTIVITIES

4-H Exploration Days at MSU saw CML & MS participating, with guided tours to the homes of the Pearsons, the Chubbs, and the Stevens' on June 23, and displays at the MSU Stadium on July 24. Cases were displayed by the Barbers, the Hendersons, the Kurtz', the Myers', the Pearsons, the Rogers', and the Tonans. Both of these activities were coordinated by Irene Jane Brett.



On tour at the Stevens.