

# 'Lake Whittlesey' tells of our ancient past

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through Royal Oak. Between Normandy Road and 14 Mile, you will again see the Whittlesey shoreline. Turn east on 14 Mile and a half-mile later you see the beach again — with a cemetery on the left.

Turn north on Coolidge Road into Troy, and you climb the beach again, passing a cemetery to the right. Turn east on Maple and a half-mile later the beach is there again.

North on Crooks Road. Between Big Beaver and Waukegan, your beach appears again, and so does another cemetery.

HAVING SEEN the beach in these spots, you are ready to spot it all across Washtenaw, Wayne, Oakland, Macomb and St. Clair counties.

There is an odd thing about the water. Modern Lake Erie is lower than Lake Huron to the north.

But ancient Lake Whittlesey is higher than Lake Saginaw, the predecessor of modern Saginaw Bay.

Whittlesey is 738 feet above sea level, Saginaw 695 feet. As you approach Port Huron and the glacier's edge, you notice the waters flowing north rather than south.

What happened?

The core of the glacier, over northeast Canada, is two miles thick. The ice is so heavy that it literally depresses the earth's crust, and Lake Saginaw is 40 feet lower than Lake Whittlesey.

Thousands of years later, when the glacier has melted, the earth's crust will rise, and Lakes Superior and Huron will be higher than modern Erie.

INLAND YOU will see a pair of long hills stretching to Ohio and Indiana.

These are the Defiance and Fort Wayne moraines. When the lobe-shaped glaciers moved southward, they picked up rocks of all sizes.

When the glacier's rate of advance equaled its rate of melt, the rocks were deposited in a long heap along the edge of the glacier — hence these "terminal moraines."

Lakes, gravel pits, sub-glacial rivers, outwash from the moraines — all are in evidence in Oakland County.

Two thousand years after your trip along the shore of Lake Whittlesey, the glacier will have retreated even further, and human beings who crossed the Bering Strait from Asia will arrive here. As Michigan receives its first settlers, Jericho and Palestine and Jarmo in Iraq will be in existence.

SEVERAL SOURCES will be helpful in your tour.

*Geology of Michigan* by John A. Dorr Jr. and Donald F. Eschman (University of Michigan, 1970) is a basic text, particularly its chapters on the ice age and the late glacial time.

"The Glacial Lakes Around Michigan" by Robert W. Kelley of the Michigan Geological Survey and William R. Farrand of the University of Michigan is a readable, 26-page pamphlet known as Geological Survey Bulletin 4, published by the state Natural Resources Commission.

Cranbrook Institute of Science in Bloomfield Hills published a "Geological Excursion in the Michigan Area." It was written in 1935 by George M. Stanley of the University of Michigan and updated (because of the bulldozer) in 1970 by James E. Bradner of Oakland Community College.

## Headlee objects to Senate move

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uses may be substantially lower than replacement costs.

Senate Bill 128 will insure homeowners on a market value concept. The policyholder would pay 80 percent of the market value of the home and would thus collect only the market value price if disaster strikes. With a home worth \$50,000 on the market, the individual would buy a \$50,000 policy, explains Murphy.

The Michigan insurance law needs to be changed to make that concept possible, he says. It would affect the entire industry, he believes.

Murphy says the market value premiums would be less than present premiums. Although the FAIR Plan operates at a deficit, and the Senate Bill would broaden the list of perils covered, premiums would only go up a small amount, yet with broadened coverage for the policyholder.

Murphy says the private insurance companies support the bill, as does the majority of the Senate.

## Founders festival pet show planned

The Plaza Merchants Association will sponsor a pet show on Sunday, July 22, as part of the annual Farmington Founders Festival for the 12th consecutive year.

This year's show, planned for 4 p.m., will be a feature of "Sunday in the Park" and will help serve as a kick-off for the festival.

The show will include the following categories:

- Twin class — two most evenly matched pets
- Pets with waggiest tail
- Most talented pet (30 seconds to perform)
- Pet with bushiest tail
- Largest pet (horses OK)

- Most articulate pet (speaks the loudest and best)
- Smallest pet (no ants or insects)
- Most unusual pet
- Most original costume-pet and owner
- Ugliest pet

Trophies will be awarded to the first, second and third place in each classification.

A new feature in the 1979 show will be the "Snoopy look-alike contest." A special trophy will be awarded to the dog that most closely resembles Snoopy of Peanuts fame.

Entry forms with complete contest rules are available at Pets 'N' Particulars pet shop at the Farmington Shopping Plaza.

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