

Junior 'Scientists' Prepare for Fair At East Hills

By DAVE PHILPO
School Editor

Nineteen East Hills Junior High School students are working on what is destined to become a "first" for the Bloomfield Hills School District.

At 3 p.m. each Thursday when the other youngsters leave for home, these eighth and ninth graders stay behind to work on projects that are quite new and fascinating for them.

For the past month they have been working on individual projects, which when completed, will become the first science fair ever staged in the district on a junior high school level.

The event has been planned in conjunction with a pancake supper for Friday evening, April 29.

THE PROJECTS go above and beyond what the students learn in their classes, according to Dennis Travis, science instructor at East Hills.

"The projects are designed to be of an experimental nature," he said. "Some of them are outstanding for the junior high school level."

As an example, Travis mentioned a plant growth experiment by Ed Perlman and Ron Verjee.

"They are studying the effects of substances called Gibberellin and indol-acetic acid on plant growth. These substances, similar to a growth hormone in human beings, are applied to the leaves and a record is kept of the results."

Another experiment, by John Boutin and Dick Pittsley, involves growing plants in nutrient solutions, without soil. The nutrients, some deficient in certain minerals, are piped in through the bottom of a pot.

A KNOWLEDGE of both science and photography is needed in the project undertaken by Mike Kelso. Called photomicrography, the experiment involves photographing slides through a microscope fitted with a special adapter.

"In Mike's display there will be photographs of specimens magnified about 500 times," Travis said. Other projects include a nutrition study using white rats by Carl Ulbrech and Terry Niggemann; regeneration of severed tissue in flatworms by Ed Perlman and Jeff May; genetics and mutations with fruit flies by Cal Lockin; and seed germination using a variety of common garden seeds by Janice Lorenzen.

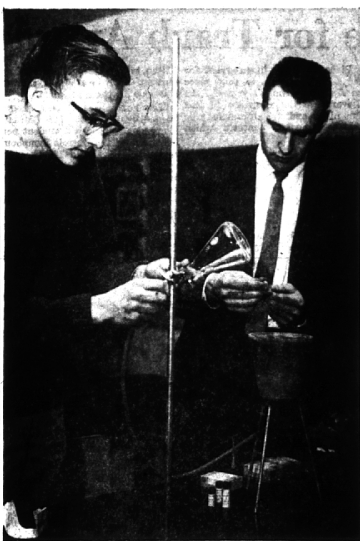


PHOTOMICROGRAPHY is the tongue-twister used to describe the experiment Mike Kelso (left) is working on as his project for the science fair. Helping out is fellow science club member, Mark Knickerbocker. The project involves taking pictures through a microscope fitted with a special adapter. The specimens are magnified 500 times.

East Hills faculty members will evaluate the projects and choose the three best for awards.

ONE OF the harder young scientists, Tim Bassett, chose as his project the complete dissection of an embalmed rat. He is tracing the various muscular and circulatory systems, which in the cat are very similar to man's. Bassett's has become the most popular project—especially to watch—and, it usually attracts a large crowd of students.

"Even the four girls in the science club like to witness the experiment," Travis said. "But they all state emphatically that they wouldn't want to attempt it themselves."



A TRANSFUSION seems to be in progress as John Boutin, a student at East Hills Junior High, works on his project for the upcoming science fair at the school April 29. Called hydroponics, the experiment involves growing plants in nutrient solutions, without soil. Supervising the "operation" is Dennis Travis, a science instructor at East Hills.

C'try Day Student Earns Recognition In Science Field

Thomas Fogarty, son of Mr. and Mrs. William T. Fogarty, of 3836 Wedgewood Drive, Birmingham has won the Rausch and Lomb Award at Detroit Country Day School.

Throughout the United States, educators recognize the annual honorary science award as evidence of superior scientific aptitude. In announcing Fogarty as the 1963 winner, Dr. Stelling, headmaster of Country Day said:

"These awards are especially significant. Today, everyone realizes the importance of the study of science in our secondary schools. The Rausch and Lomb honorary science award provides appropriate recognition to senior students within the highest scholastic standing in science subjects."

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Hills Schedules St. Pat's Dance

The American Field Service Club at Bloomfield Hills will sponsor its annual St. Patrick's Day Dance Saturday.

Its purpose will be to help finance the funds necessary to bring students from foreign countries to BHHS next year. The Belltones, a junior achievement band, will provide music at the Sadie Hawkins event.

CHAIRMAN Janis Adams, who is co-ordinating the event along with AFS President Chuck Bailey, expressed the desire for support from all students in order that "our foreign exchange program will be completely successful this year."

Other chairmen and their committees are Judy Raskin, tickets; Kim Kelso, publicity; and Sylvia Nowlin, decorations. Refreshments

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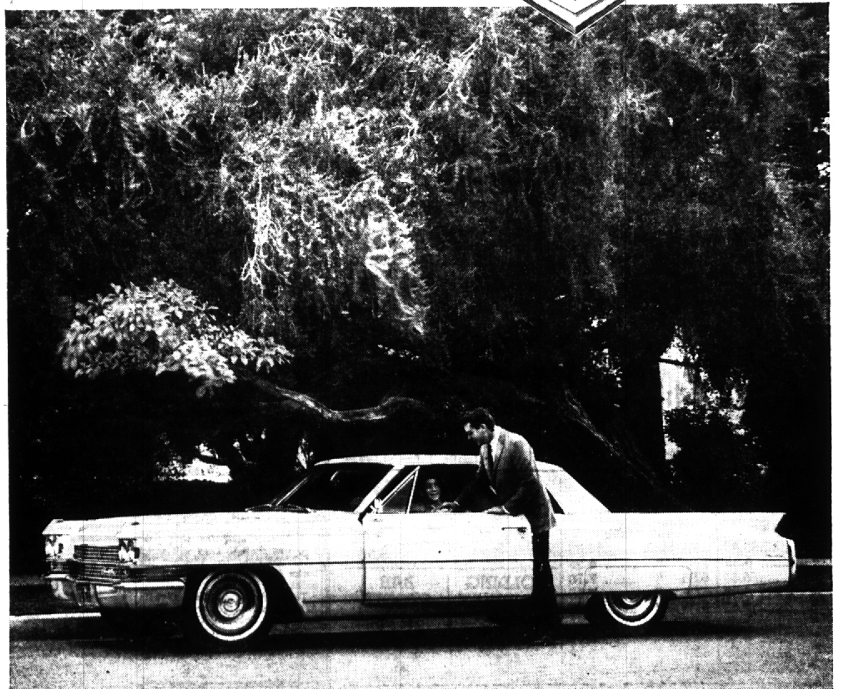
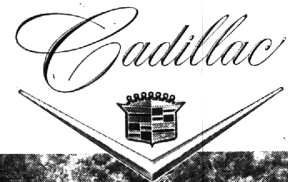
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