



FRENCH SCHOLAR Jean Marie Lefebvre tries out his motorcoter, as his host family in Farmington Township, the Walter Frontczaks, look on. Jean Marie is bound for the University of Chicago.

French Fulbright Scholar Visits in Farmington

The driver of the swift, Italian motor scooter, that's been whizzing along Farmington Township streets this month is actually a Fulbright foreign exchange student from France. A guest at the home of Mr. and Mrs. Walter T. Frontczak, 26539 Dunlap, Jean Marie Lefebvre stopped for a 30-day stay here under the Experiment in International Living before going on to study at the University of Chicago.

Jean Marie, 24, a business administration student, holds a bachelor's degree from a Paris university. He'll continue to follow the same curriculum in Chicago.

"Most of us have some preconceived notions about the U.S. before we get here," he told The Observer. "What surprises me most is the general way of thinking here, the way that children are reared, and the food—it's not so different from France."

Commenting on some of the problems which divide France and the U.S., he said France's recognition of Malindao China was "done at a moment when it shocked the world. DeGaulle wanted to impress other nations with his independence."

A serious student, Jean Marie is also a sports enthusiast. He

Democrats Set District Dinner

The First Annual Democratic Nineteenth Congressional District Dinner will be held Monday, October 5, at Pine Knob Resort near Clarkston, Robert Jackson, chairman of the new nineteenth district, announced today.

Proceeds from the dinner will be contributed to the campaign fund of the Democratic congressional candidate.

A national speaker will address the five hundred Democrats expected to attend the 7 p.m. event.

Tickets are ten dollars each or fifteen dollars per couple and may be obtained from ticket chairman Charles Nastro, FE, 4-9019, or Democratic headquarters, 17 Water Street, Pontiac, FE, 4-0971.

In the life of men, as in the life of peoples, two contradictory things go together. There is continuity and there is change. No people in the world have seen so much change, manifestly tragic, and such persistent, stubborn continuity, as our people.

—David Ben-Gurion

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'Bobbing For Apples' Could Save Million Annually

"Bobbing" apples may soon save Michigan growers and processors up to a million dollars each year in storage costs.

Michigan State University scientists have effectively used the principle that apples float and "bob" up and down in water to develop a new apple sizing and sorting system. Scientifically referred to as "Hydro-Handling," the system is unique and offers a practical and highly mechanized means for removing low quality "cull" apples before they are stored.

The system is the result of

a two-year cooperative effort between scientists in MSU's agricultural engineering and horticulture departments and the USDA's Agricultural Marketing Service. Here's the way it works:

A bulk box filled with apples is "dunked" underwater. This is called "submergence dumping" and virtually eliminates any chance of bruising the apples. In fact, the maximum speed of an apple bobbing to the water's surface (floating time) is equal to dropping the apple only 1 1/2 inches in air.

After the apples have been dumped, they float onto a roller-sorter. As the apples turn over and over on the rollers, those which are bruised or lack good color can easily be removed by hand.

The next step is for the apples to go over the rollers,

float along the surface of the water tank and then enter the first of a series of apple sizing devices. These are chains which pull the floating apples under water.

The small apples slip through the holes in the chain and bob to the surface. Another flow of water moving at right angles to the sizing setup carries these apples off to the side.

The larger apples continue to float along until they're swept under by another chain with a larger mesh. Again the smaller apples "bob" up through the mesh and are removed, while the larger fruit moves to still another chain for sizing. This process continues until all apples are separated according to size.

When the apples of a given size are swept to the side, they move into a submerged

accumulator which is a container without lid or bottom. Underneath the "accumulator" is placed a box for handling apples in bulk. After enough apples have been accumulated to fill the box, the whole setup lifts up and the apples settle gently into the box for movement into storage.

The developers of the new sizing and sorting operation are MSU horticulturist Donald H. Dewey and MSU agricultural engineer Fred W. Bakker-Arkema. They point out that over \$10 million worth of Michigan apples are stored in cold and controlled atmosphere storage each year, and that about 20 per cent of these may be culls with little or no value when they are released from storage.

"It costs up to 50-60¢ per bushel to store apples," comments Dewey. "If one out of five of these apples is a cull, you're throwing away 20 per cent of your money. In a good crop year this could mean a \$1 million loss to Michigan growers."

He explains that the new system would allow growers to remove cull apples before storage in the fall and sell them for use in apple cider or juices.

The sizing and sorting system would also help salesmen to know exactly how many apples of a given size and quality they have available, because all of the apples would be sorted before being stored.

And the new method would be a boon to cooperating growers who pool their apples in a central storage facility. Since the apples would be all sized and sorted before storage, each grower would know exactly how many apples of each grade he had in storage and he could, therefore, figure his returns much sooner.

But perhaps the greatest advantage to the new system will be gained from gentle handling and efficiency. Bruising will be practically eliminated, and as many as 600 bushels of apples can be handled in an hour.

Livonian Studies In Rome

Lisa M. Paolucci, 30256 West Seven Mile Road, Livonia, is studying in Rome, Italy, at the Loyola University of Chicago's Rome Center for Liberal Arts.

Lisa, a Nazareth College student, is one of 220 students from schools throughout the nation who are studying liberal arts courses in the largest undergraduate program of its kind being held in Rome by an American University.

Following their arrival in Rome, Sept. 3, the students spent nearly a week meeting the mayor of Rome, Italian and American diplomats and visiting the homes of Italian families, as part of a program of becoming familiar with European life and culture. Classes begin September 8.

The Rome Center is now in the third year of offering courses taught in English, in history, literature, art, philosophy, political science, theology, and Italian students who have completed at least one year of college may study at the Rome Center, where they may earn up to a full year of college credits.

In Rome, the students live just a 45-minute walk from Vatican City, in the International Center for Student Travel and Learning. Loyola occupies the entire right wing of the building, which was built in 1960 to house Olympic athletes.

When classes are not in session, field trips are held to enable students to see first-hand important historic and art sites. At Christmas a tour of the Holy Land includes visits to Jerusalem, Damascus, Cairo and Athens.

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