



PRINCESS - Portland's Madison High school has chosen Florida-born Mary Kathryn Bruno, above, for its Rose Festival princess. The willowy 17-year-old is five feet seven inches tall and is a brunette with brown eyes. (UPD)

Airplanes Used To Locate Fish, Aid Hatcheries

By HARRY W. FRANTZ
United Press International
Washington - (UPD) - Use of airplanes to locate schools of fish has become an important aid to commercial fisheries in the United States.

About 70 planes are being used to turn up concentrations of fish and lead fishing fleets to them, according to the U.S. Fish and Wildlife Service.

James L. Squire Jr., former director of the North Atlantic Exploratory Fishing base at Gloucester, Mass., said plane-spotting has been so successful that it probably would be expanded substantially, with helicopters ultimately replacing light planes now being used.

He said use of aircraft to find fish had greatly reduced the search time of the fishing vessels. Besides the time factor, planes have the advantage of being able to observe schooling fish below the surface.

The expanded use of aircraft resulted from development of more reliable engines and radio equipment.

Planes are being used for fish spotting in these areas:

Alaska, for salmon; Pacific west coast, for sardine, mackerel, bonito, sea bass, barracuda, anchovy and tuna; Gulf of Mexico, for menhaden, Maine sardine, bluejack herring, swordfish and bluefin tuna.

Maine herring usually may be spotted from the air at dusk when they rise from the bottom and migrate toward inshore areas.

Off the Southern California coast, the air observers locate sardine and other pelagic schooling species by the luminescence at night of planktonic organisms.

A phenomenon known to fishermen as "fire in the water" is caused when the plankton agitate schooling fish. It is observable only at night.

"Night aerial spotting operations have been a common practice in California for the past five years," Squire said.

"Night-and-day operations ranging 125 miles or more into the offshore areas are conducted, using single-engine light aircraft. Such planes used primarily for tuna spotting are capable of flights of 12 hours or more."

Most of the airplanes are equipped with wheels and can be operated only from land airports. But craft equipped with pontoons are commonly found in the Gulf of Mexico menhaden fishery and the main herring fishery.

Students Complete 1,000-Mile Run

Corvallis - (UPD) - Thirty-five Oregon State University students completed a 1,000-mile marathon run here this morning as a special national physical fitness week demonstration.

The men from Hagall Thorn Dormitory passed the 1,000-mile mark and halted at 1:16 a.m., five days, 13 hours and 16 minutes after they began.

Original calculations called for the finish at 3 a.m., but by shortening relays and increasing speed they made the earlier finish. On the last lap around the OSU intramural field all 35 runners were in action, the "anchor man" carrying a lighted torch.

The students figured they lost a collective total of about 100 pounds in body weight during the marathon and averaged 7.3 miles per hour.



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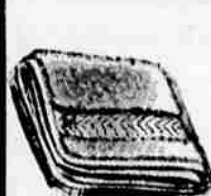
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