



THE GRUMMAN AIRPLANE "Ballard," with its owner and pilot, E. Fred Frakes, after landing at Angwin Airport. The day before they were in Anchorage, Alaska.

Deluxe Type Plane Added to Frakes Aviation Fleet, Angwin

Fred Frakes, head of Frakes Aviation, Inc., Angwin, flew in to the airport on Monday forenoon from Anchorage, Alaska, the largest and most rare type of aircraft that has ever landed on the airfield.

On Monday of last week, with Carl Benson, Angwin; and Dr. M. E. Lysinger, Napa, to be with him as crew-members, Frakes had flown commercially to Anchorage to secure this plane, which he had previously owned and used in charter contract flying in Alaska for a period of years before coming to Angwin.

On leave from there, he had sold the aircraft to Northern Consolidated Airlines, and they have been using it for several years in flying tourists into the Mount Katmai National Park, one of the most beautiful areas in Alaska (created by the eruption of the Katmai volcano.)

In fact, Mr. Frakes says he had two of these planes at the time, which he sold to Consolidated Airlines, and now he has bought this one back.

This plane was built by Grumman Aircraft Corporation in Long Island, New York. Its original owner was the President of Republic Steel and Plymouth Oil Companies who used it as his private aircraft. It is a Grumman Mallard, Model G 73. It is an amphibious aircraft, capable of landing on either water or land. No comparable aircraft is being built today, Mr. Frakes explains.

When Frakes bought the plane in 1960, it had been flown only by one man, he says, Mr. J. R. Jaycox, now a pilot for the University of Pittsburgh. Jaycox flew it for the original owner. Frakes succeeded Jaycox as its pilot, and only two pilots have flown it, he says, while in use by the Northern Consolidated Airlines.

As designed as executive aircraft, the Grumman Mallard carries a crew of two and ten passengers, explains Mr. Frakes, but for air-taxi "it will accommodate up to fifteen passengers," he says.

His plan will be to modify this airplane by installing Pratt & Whitney PT6-27 Turboprop engines. This, he says, will give the aircraft 2000 pounds more useful load and a minimum of 50 miles an hour increase in speed.

Frakes plans also to pressurize the cabin of this aircraft, making it as modern as any aircraft made today. The modification, he says, when completed will hold a type certificate. He has hopes that he will be called upon to make similar modifications for business people now owning the Mallard type (this aircraft).

He believes that the modification and modernization program that will be carried on here with the Mallard will serve a useful purpose in the corporate aircraft market of the nation.

The plane will be kept for chartering and passenger service, and to demonstrate to other owners the advantages and value of the modification.

The trio from Angwin spent Saturday in Anchorage with friends, and on Sunday morn-

ing, after clearing snow and ice off the wings of the plane, took off at 8:00 o'clock (Napa time); stopped for gas at Campbell River, B.C., and in Seattle to clear customs; and landed at Napa airport at 10:30 p.m., distance approximately 2200 miles.

Weather was "fairly bad," and about the only glimpse of Alaska scenery that Benson and Lysinger got was the peak of Mt. Fairweather sticking above the clouds, this between Anchorage and Campbell. On leaving Seattle, however, it was better and over much of Oregon and California "beautifully clear."

Underwater Pictures at PUC Saturday Night

Stan Waterman, well-known diving photographer and explorer, will show his newest film, "Man Looks to the Sea," on this Saturday, April 13, at 8:00 p.m., in Pacific Auditorium, Pacific Union College, Angwin.

Single admission to this, the next to the last Adventure Series entertainments of the school year, is \$1.00 for adults; 50 cents for children.



STANTON WATERMAN
Lecturer

This film provides a close and fascinating look at the way in which today's men (and women, too) look to the sea for wealth, companionship, research, hobbies, and many other goals. For companionship a New England skin diver finds that harbor seal—never before trained—is as bright as a porpoise and more fun than a barrel of monkeys.

In the Hawaiian Islands, many families have developed shell collecting as a challenging and rewarding hobby.

The first reel to be presented by Mr. Waterman shows all kinds of scenes on land as well as under water in and around the islands in Hawaii.

The second reel will take you to the underwater world of the Bahamas. There you will meet famous divers and see them in operation. The tour includes also the Island of Bimini with shore scenes depicting a lacy island in the sun. From there the scenes change to the Seaquarium in Miami, Florida, where talking porpoises are heard.

Finally, Harry Goodridge of Rockport, Maine, with his pet seal, "Andre," are introduced. Andre, with his antics while living and playing with the family, says Mr. Waterman, is a very warm and humorous feature he enjoys presenting in closing the evening's story.

Science and Math Fair

A Big Success

Ninety students in 6th, 7th and 8th grades of PUC Elementary School put on a truly wonderful exhibit of their work in science and mathematics at the annual Fair last Thursday night.

This year it was a joint program, covering both science and math. Fred Berger, teacher of 7th grade, took responsibility for the science students; and Ed Lewis, 8th grade teacher, was responsible for mathematics.

There were 57 exhibits lined up along the four walls of the elementary school gymnasium, with one or two special features in the center of the room.

No prizes were given, but students had been encouraged to put in the time—30 hours each at least—to bring to the public the best concept possible of what they are learning on subjects and forces vitally important and a part of life in our modern scientific age.

Some of these demonstrated, illustrated and explained that evening by the young people, usually two at an exhibit booth, were: Purification of Water, Leading Electric Power Producing Countries, Color and Light, the Zodiac, Kitchen Measurement, Space Travel, Atoms, Center of Gravity, Symbols of Planets, Weather, Satellites, Gemini Program, Rapid Transit Systems around Bay Area, Rock Classifications, Elements of Human Body, Everything About Flying, Sputniks, Photography, The Color Wheel, The World of Perspective, The Ear; Characteristics and Heredity, Missiles for Defense, Polyhedrons, Whales, Patients in Mental Hospitals, Important Dates in Glass History, the Heart, Rockets and Space Travel, Moebus Strips, World's Smallest plant (bacteria), Photosynthesis, Crystals, Geometry, Sound, Aircraft Instruments, Jet Flight, Atomic Energy, Small Electric Motors, Dinosaurs, Man and Pressure, Chemistry's Effect on Different Things, Plants, Motors and Engines, Magnetism, Study of Abacus, Parts of a Rocket. . .

The fact that students had gone through with their projects with the objective of learning all possible they could about them for the sake of what this would mean to themselves in their education was very evident. This was the hope of their teachers, and all felt that the time and effort had been very worth while.

Candlelight Concert

Sunday Night

Six musicians will present the Candlelight Concert, program on this Sunday, April 14, in Paulin Hall, Pacific Union College, at 8:00 o'clock.

They are Yvonne Howard, piano; James Mercer, Baritone; George Wargo, Violin; William Thomas, Violin; Julien Lobsien, Viola; Dorothy Rose, Cello.

They will play Mozart-Quartet, B Flat Major, K. 458, "Hunt," Schumann-Dichterliebe (Poet's Love); and Franck-Piano Quintet in F Minor. Tickets: \$1.50, students 75c.

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