

Needs Pointed Out To Prevent Recurrences of In-Air Plane Collision

New York — (AP) — Recurrences of collisions in the air, like the Grand Canyon airliner disaster, are in prospect unless better air traffic control systems are put in use and electronic warning devices are developed for planes in flight, an air safety report said today.

The report, issued by the Daniel and Florence Guggenheim Aviation Safety Center of Cornell University, predicted that air carrier traffic would double within the next ten years.

It said that as "the crowded air space gets progressively more crowded, the top safety problem in aviation today is the need for a greatly tightened system for controlling air traffic."

Introduction of a better air-traffic control system would materially reduce—right now—the possibility of in-flight collisions in both terminal and "free" areas, according to the report.

Warning Devices Possible

The air safety center recommended that stimulation centers be set up to test new traffic control plans under rigidly controlled conditions. The centers would considerably shorten the time-lag between development and adoption of urgently-needed new air-traffic control systems.

It is possible, with research, to develop electronic warning devices that would instantly alert a plane to any objects in its immediate area, the report said.

It said that today there is no American-built airliner provided with crash fire prevention equipment and called for better devices for the protection of a plane's occupants in the event of such fires.

Greater airport safety efficiency can be achieved without further research and development, but with better use of known developments in lighting, radio and weather services, the safety center said.

Metal Fatigue Dangerous

With the advent of commercial jet-driven transports in three years, the report said, new and greater problems will arise. Chief among these is "metal fatigue" that occurs in some jet aircraft fuselages and wings in high speeds at high altitudes. The safety center said development of steep gradient aircraft—planes that can take off vertical-

ly—is "gratifying." "The safety implications of steep gradient aircraft are that they permit slow speed landings on many small airport... greater time for pilot reactions in many emergencies, and they greatly reduce kinetic energy effects if a forced landing is inevitable," the report said.

The air safety center said the safety record of private pilots who fly about 58,000 single-engine planes is "relatively poor." Principal hazards result, it said, from flights in bad weather, spiral instability, and inadequate pilot training.

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Governor Names Water Study Group

Salem — (AP) — Gov. Elmo Smith today named a committee of six persons to develop a detailed outline of procedure to carry out the governor's proposal for a comprehensive study of multipurpose use of water resources in Oregon.

The group was authorized by the Natural Resources Committee last week after the proposed research experiment had been presented by the governor.

The program would involve the entire drainage basin of a western Oregon stream as an outdoor laboratory. It is designed to permit tests of water use in such fields as domestic, municipal, irrigation, power development, industrial, mining, recreation, wildlife and fish life uses and for pollution abatement.

Members of the committee are: Dwight L. Phipps, state forester; F. E. Price, dean of agriculture at Oregon State College; Lewis A. Stanley, state engineer; Phil Schneider, state game director; Milton C. James, state fisheries director; and Fred Merryfield, professor of sanitary engineering at Oregon State College.

Unloading of Burning Coal Cargo Continues

Portland — (AP) — The freighter Orizaba, the smoldering fire in her coal cargo apparently out, moved from an anchorage off Swan island to berth 3 at the Swan island outfitting dock yesterday.

Longshoremen continued to discharge the cargo from the number 2 forward hold and from other holds to even up the weight.

The fireboat that had stood by the ship since her return to port here Friday, was moved from the scene yesterday.

Repairs were scheduled to start checking the ship for damage today. Heat from the hot cargo was sufficient to buckle a deck plate above the bulkhead separating the number 2 and 3 holds.

Fire was first discovered aboard the Orient bound vessel last Wednesday when it was 490 miles to sea with a cargo of 8600 tons of coal for Korea.

IMPROVING ALFALFA

Davis, Calif. — (AP) — Africa alfalfa, the main variety grown in California's Imperial Valley, is undergoing major improvement to withstand new pests and plant diseases. Research along this line is being done by an agronomist on the Davis campus of the University of California.

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Hartford, Conn. — (AP) — The accident was promptly investigated after Richard V. Jacobs' automobile struck a utility pole. The car landed on the lawn of a policeman.

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