

PILOT BRAVES FLAMES, LANDS CRAFT SAFELY

Bombs Explode in Plane During 'Rain-Making' Flight.

By United Press

WAXAHACHIE, Tex., Aug. 30.—Pilot Lou Foote's courage and presence of mind in the face of serious damage to his plane and searing flames that burned him severely were credited today with saving the lives of members of his "third Boze rain-making expedition" which ended yesterday in near-disaster.

Premature explosion of three bombs in the cabin of the plane as it soared at 15,000 feet over high cotton farmland near here blew out one side of the plane and set fire to the cabin. In the plane were Pilot Foote, James A. Boze, Waxahachie electrician-chemist and sponsor of

the "rain-making" flights; Miss Gertrude Jeffries and a newsreel photographer.

Mr. Boze had lighted the fuse of one of the bombs. He threw the bomb, designed to explode among the clouds over which the plane was flying and ultimately cause precipitation, out of the plane but a spark from the sputtering fuse ignited three other high-explosive bombs.

Mr. Boze failed in an effort to extinguish the bombs. They exploded and blew out one side of the plane. Flames spread to the pilot's seat. Foote's face and arms were seared.

The pilot sent the plane into a slanting dive to drive the flames back and fought to land safely. He made a forced landing on a farm.

Miss Jeffries was suffering from shock and minor injuries. Mr. Boze was burned and injured slightly. Both were taken to a hospital. Pilot Foote and the photographer were treated for burns.

The ship was destroyed by fire a few minutes after the landing. Two previous "rain-making" attempts from the plane had been followed by showers, but Mr. Boze attempted another flight yesterday when skeptics credited natural causes.

PARKER DAM TO CARRY WATER FOR 241 MILES

Longest Single Aqueduct in World Will Pierce Mountains.

By Science Service

NEW YORK, Aug. 30.—To carry water 241 miles across the sweltering deserts of Southern California, the world's longest single aqueduct will pierce hills and mountains in twenty-nine different places.

A total of ninety-one miles of tunnels will be necessary before Colorado river water can flow from the Parker dam on the border between Arizona and California to thirteen cities of the Los Angeles metropolitan area.

Tunnel driving operations are at a maximum this year in the \$20,000,000 project to maintain a flow of water across one of the most arid regions in the United States. Completion of the lined tunnels is not scheduled until 1938. R. M. Merriman, superintendent, Coachella district of the Metropolitan Water District of Southern California, reports to the Engineering News-Record.

At present thirteen contractors are at work on fifty-eight miles of tunnels, in addition to the Metropolitan Water District's crews, working on the other thirty-three miles. Each contractor maintains an independent camp, roadway, and water facilities. Because of excessive heat many of the camps were equipped with air-cooling systems.

The east Coachella tunnel, running through a range of hills whose peaks rise to about 3,000 feet is the longest in the series. Its length of 18.3 miles will exceed that of the 18.1 mile Shandaken tunnel in the Catskill aqueduct to New York City, which is at present the world's longest tunnel.

Yesterdays Bing Crosby sing it. You probably saw the motion picture which first gave it to the public. Probably you've been planning to hear Bing sing his three new songs in "She Loves Me Not," his latest picture, which comes tomorrow to the Indiana theater—"Love in Bloom," "I'm Hummin', I'm Whistling," "I'm Singin' and "Straight From the Shoulder, Right From the Heart."

The Indianapolis Times, in cooperation with the Indiana theater, will award prizes to each of the first fifty persons whose correct answers

Fifty Prizes Await the Right Answers



Did you remember the name of the Bing Crosby "hit" song, and the title of the picture in which it was sung, when you saw the illustration with its bars of music, as published in yesterday's Times?

The music lovers and picture goers of Indianapolis all were busy yesterday sharpening their pencils and racking their memories. The second illustration, with its teasing, challenging bars of music, is published today.

The third contest picture will appear tomorrow, the fourth Saturday. Save the illustrations as they appear, then make out your answers after the fourth and last appears, and deliver to the contest editor as quickly as you can. To be considered, answers must be delivered before Sunday midnight.

First prize will be \$10 and one pair of passes, second prize \$5 and a pair of passes, and third prize \$3 and a pair of tickets. The next seven prizes will be \$1 each plus a pair of tickets.

The next forty prizes will be one pair of passes each.

New Dealers Refute Extravagance Charges

Total Government Spending Under Roosevelt Nears \$10,000,000,000.

By United Press

WASHINGTON, Aug. 30.—Total government spending under President Roosevelt neared the \$10,000,000,000 mark today as treasury officials moved to refute any charge of "extravagance" in use of public funds.

From inauguration to Aug. 27, treasury figures showed today, the federal government actually had spent \$9,693,819,589, a peace time record. It was about \$540,000,000

short of what President Roosevelt has been in office.

Against this, the federal government collected in taxes, customs and other income a total of \$4,379,357,341, leaving the government so far under President Roosevelt \$5,314,462,248 "in the red."

All of the nearly \$10,000,000,000 expenditures do not represent actual cash outlays by the government, as it includes \$367,000,000 of debt retirements by the government out of income. In making allowance for these retirements the government shows a net deficit of \$4,947,462,248 since President Roosevelt took office.

The net deficit represents what the government spent above its regular income. It was made up by borrowings from the public which carried the government's debt to the present record peak of \$27,000,000.

In refuting charges of government extravagance, Treasury-Secretary Henry Morgenthau Jr. points out that the government has made a "profit" of \$2,860,000,000 in writing up its gold holdings which ultimately could be applied against current borrowings of the government. He also declares that real assets amounting to \$1,861,000,000 have been acquired.

Treasury officials figure only a small cost for the New Deal to date if the gold "profit" and new assets are applied against the present Roosevelt deficit of \$4,947,462,248. The gold "profit" and acquired assets are figured as worth \$4,661,000,000.

Hunger pangs can be staved off merely by taking something bitter in the mouth, while a sweet taste is the most effective aid to digestion, according to a Colgate university professor.

Marriage Licenses

Elbert Perkins, 25, Clintonville, W. Va., and Lena Witt, 21, Lincoln hotel, housekeeper.

Robert Drager, 24, of 411 East Washington, married, 26, of Columbus.

Silverthorn, 27, of 425 North State avenue, housekeeper.

Albert Gropp, 26, of 196 South Eiden street, truckman, and Myrl Snyder, 19, of 1725 West Main, housekeeper.

Elmer K. Johnson, 21, ironworker, bookbinder, and Mildred Rehfeld, 23, of 1571 East Eagle avenue, unemployed, and Frieda Rothwell, 32, of 414½ West Eagle street, housekeeper.

James Miller, 21, of 154½ South Pennsylvania street, salesman, and Mary Owens, 26, of 2124 North Pennsylvania street, Clerk.

Edward Compton, 30, of 72 North Fernside street, machinist, and Anna Tabor, 27, of 728 North Fernside, housekeeper.

John Sauer, 22, of 104 South Fourteenth street, maintenance, and Lucille Nelson, 22, of 2193 College avenue, seamstress.

Paul E. Johnson, 21, of 101 West Amadeus Johnson, 22, of 72½ West Thirteenth street, housekeeper.

Charles DePuy, 21, of Golden Hill, rubber manufacturer, and Lois Graham, 22, of 1404 North Delaware street, housekeeper.

Walter H. Johnson, 21, of 2125 North Franklin street, draftsman, and Mary Baker, 23, of 1417 Wright street, clerk.

Paul E. Johnson, 21, of 341 Harvard place, oil company, and Dorothy Boyles, 25, of 118 West Sixty-sixth street, housekeeper.

Vergil Harren, 22, of 101½ West Twenty-fifth street, laborer, and Lila Briggs, 18, of 2515 James street, housekeeper.

Births

Aubrey and Mary Walker, St. Vincent's hospital.

Harvey and Anna Robertson, 514 South Hobart.

Clarence and Mildred Phelps, 1325 East Eleventh.

Deaths

Samuel Reed Devaney, 52, of 1350 West Twenty-seventh, cerebral hemorrhage.

Maxine L. Ladd, 58, of 812 North Tremont, chronic myocarditis.

Lu B. Serrill, 50, of 1002 East Maple road, coal breaker, died at 12:30 a.m.

Jacob Fiske, 56, of 575 West Morris, carpenter.

Roseland Cliford Whittemore, 29, St. Vincent's hospital, septicemia.

Walter W. Johnson, 78, of 1939 Almond, mitral stenosis.

Anna Dietrich, 64, of 1225 Tabor, aortic aneurysm.

Thomas M. LaFever, 55, city hospital, John P. Murphy, 29, of 1225 Tabor, aortic aneurysm.

William L. Spencer, 39, Methodist hospital, cerebral embolism.

John W. Tabor, 50, of 1010 Churchman, cardio vascular renal disease.

1,125 APPLY FOR JOB

Swarm Rushes Call for Navy Trade Apprentice.

By United Press

BOSTON, Aug. 30.—There was no dearth of applicants when the Boston navy yard advertised for a trade apprentice. No less than 1,125 youths wanted the job.

NEW DEVICES AID STUDY OF EARTHQUAKES

Pasadena Scientist Invents Timing System by Wireless.

By Science Service

NEW YORK, Aug. 30.—Recent improvements in the instruments which register earthquakes will greatly enhance our knowledge of the internal structure of the planet on which we live. These seismographs, as they are called, must be very sensitive in order to measure shocks thousands of times too weak to be felt. They must also be very reliable and always on the job, because there is no way of telling when an earthquake is to come.

The general principle of the operation of a seismometer is practically the same for all types and has been in use many years. Part of the instrument is suspended from a rigid frame attached to solid rock. The other end is free. Since the suspension is not rigid when the rock moves in an earthquake, the suspended part does not move in the same way. The relative motion between the fixed and suspended part can be detected and amplified electromagnetically just as it is in some types of telephone receivers. The current generated is measured in a galvanometer and the result recorded automatically on a sheet which also receives a record of the time. The accuracy of the time signals decides to a large extent the accuracy with which the origin of the quake can be determined.

An exceptionally accurate timing system has been developed by H. Benioff of the Seismological Laboratory in Pasadena. It depends on wireless signals given out regularly by the big broadcasting stations.

The most novel and ingenious instrument which is due to Benioff is called the strain seismometer. This is simply a sixty-foot pipe attached to the earth at one end and extending horizontally to a fixed pier on the other. There is a small gap between the end of the pipe and the fixed pier. When a quake occurs the fixed foot of the pipe moves with respect to the fixed pier and the gap changes. An electromagnetic pickup detects this change and records it amplified a million fold.

Thus a quick earth movement of a hundredth of a wavelength of light will produce a half-centimeter deflection on the record. This instrument is especially valuable in the study of the mysterious deep-focus earthquakes which occur sometimes as far as 600 kilometers below the surface of the earth. These do little damage but render important information about the structure of the earth.

SLASHES RIVAL DURING DEBATE OVER STATES

California Angered by Arguments of Washington Backer.

By United Press

BRIDGEPORT, Conn., Aug. 30.—John Roth is a native son of California and proud of it. He tried to convince Charles Carson there was no better climate in the world.

Carson favored Washington. Roth objected with a razor.

Carson went to a hospital and Roth to jail for eighty days.

DOG HUNTS SHARKS

Rhode Island Mongrel Barks at "Funny" Fellows.

By United Press

BLOCK ISLAND, R. I., Aug. 30.—Mutt, mongrel dog, is as good a fisherman as ever you would want to meet, said Captain Earl Littlefield, owner. When the dog sits a swordfish he keeps perfectly quiet, but when he sights a shark he howls until the fish disappears.

Hunger pangs can be staved off merely by taking something bitter in the mouth, while a sweet taste is the most effective aid to digestion, according to a Colgate university professor.

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