

### Florida's Fate Arouses International Sympathy For Disaster Sufferers



Emergency Red Cross Hospital scene in Florida hurricane zone. Oval—Ambassador Matsudaira of Japan who offered Japanese aid to America in the relief of Florida victims.

**T**HE greatest disaster relief problem since the San Francisco earthquake — That is the estimate of the Florida hurricane problem by Chairman John Barton Payne of the American Red Cross. Upwards of 50,000 individuals in dire need constitute the elements of this problem. Red Cross authorities on the scene reported to National Headquarters following a survey: Few disasters in American history have aroused such world-wide interest and sympathy to behalf of people of this country as did the

Florida hurricane. It is indicated by the telegrams and cables of sympathy from abroad. Of outstanding interest is the fact that the Japanese Ambassador, in the name of the Japanese people, insisted that the United States accept assistance from them. Chairman Payne has disclosed that just after the disaster Japan, through the American State Department, offered to make a popular appeal to her people for subscriptions to aid the Florida sufferers. The American Red Cross, it was stated, had not thought this step necessary. Subsequently the Japanese Ambassador, in addition to a substantial personal contribution to the relief fund, forwarded 10,000 yen, the equivalent of \$5,000, from the Japanese people. The Cuban Red Cross gave aid, and the Hungarian Red Cross, among others, offered assistance. The American Red Cross, in calling attention to its Tenth Annual Roll Call for membership, from November 11 to 25, points out that its services abroad as well as those at home are an important factor in international friendship.

### "Peaches" Goes to Mother



FRANCES BROWNING



EDWARD W. BROWNING



MRS. CATHERINE HEENAN



DOROTHY BROWNING

Frances "Peaches" Browning, sixteen, shown in her latest photograph, left Edward W. Browning, forty-eight, her wealthy husband, to stay with her mother, Mrs. Catherine Heenan. The New York "Prince Charming" had Dorothy, "Sunshine" Browning, whom he adopted into a life of luxury, to comfort him.

### What the World Is Doing

As Seen by Popular Mechanics Magazine

#### Bicycles Propelled by "Oars" Gives Helpful Exercise

Handles at the sides connected to a chain gear and actuated with a rowing movement propel a bicycle a



German has invented to afford the rider beneficial exercise. It is steered by the feet which are supported on pedals near the position of handlebars in the usual wheel.

#### Sound-Sleep Period Less Than Five Minutes a Night

From 14,448 measurements of the soundness of sleep of twelve young men subjects at the Mellon Institute for Industrial Research, it was found that they slept without stirring for an average of only a little more than eleven minutes at a time, and, in half of the observations, the average rest period was less than five minutes in length. These facts were determined by having the subjects sleep in special beds equipped with apparatus that recorded any movement such as a change in position of the limbs or the head. The sleepers retired at eleven o'clock and arose at seven in the morning. Factors designed to produce sound sleep, such as quiet and good ventilation, were carefully watched. In only one of the observations was the period of quiet more than three hours long. The observers concluded that the average healthy person sleeps much less soundly, that is, with much shorter intervals without noticeable movement than is commonly supposed. Fatigue after

a day of hard work interfered with sleep in at least one observation. Some subjects rested more during the first half of the night, while others enjoyed greater benefits from the last half and other periods. The tendency of the subjects was to exhibit less activity during the first hour of slumber after settling down to rest, but this steady rest began any time from ten minutes to two hours after retiring.

#### Correct C-Battery Voltage Important

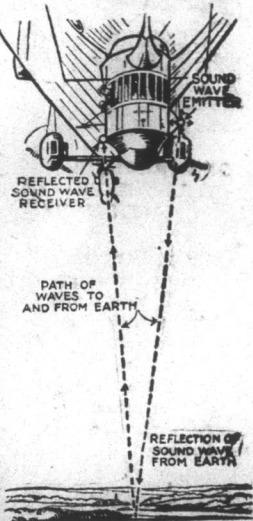
Correct C-battery voltage in the audio-amplifier circuit of any radio receiver is important. The battery should have the proper voltage in order that the amplifier tubes may receive the correct grid bias; an incorrect value will cause distortion. The C-battery voltage should be increased if the B-battery voltage is raised, in the practice of adding a power tube in the last stage. Assuming that the normal total B-battery voltage was 30 before the power tube was added, and a 4 1/2-volt C-battery was used, the power tube should have a plate voltage of 135 and at this voltage a 9-volt C-battery must be used. The proper C-voltage for the tube is specified by the manufacturer and should be followed carefully for best results.

#### New Hard Steel to Lower Cost of Machinery

A new hard steel, which can be produced at less cost than present alloys, recently was developed by a steel mill in the Pittsburgh district and given the name of "jalco." Its surface is extremely hard while the interior is tough but ductile, making it suitable for automobile and machinery parts where there is severe wear, repeated shocks or great stresses. Because of the comparative softness of the interior it can be machined more easily than pure hard steel.

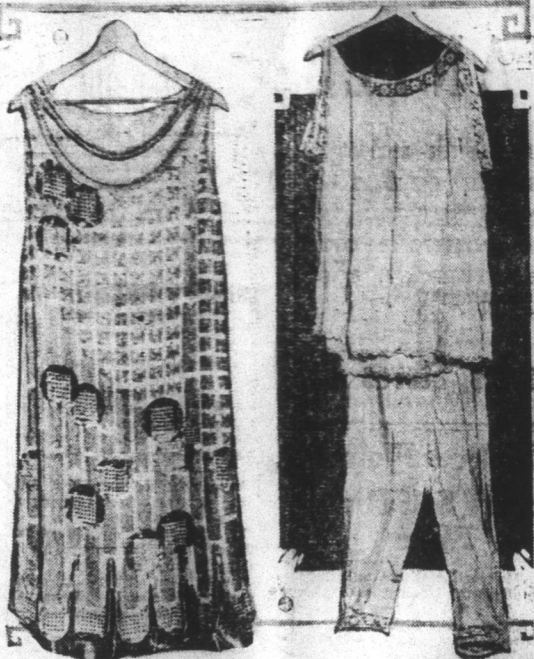
#### Airship's Altitude in Fogs Measured by Echo

Almost every aircraft is provided with a barometer or similar instrument for determining height, but many of these have proved unreliable beyond a certain altitude and many accidents in fogs and in darkness have resulted. A German inventor has adapted the echo method of sounding on steamers to the airship and the airplane with good results, it is reported. The method is essentially the same as that used on water. Sound waves travel from an emitter on one side of the ship, strike the ground and are reflected back where they are registered on a receiver at the other side of the craft. From the time interval between emis-



sion and reception of the sound, the altitude of the ship is found by a simple calculation. Tests have proved the "echobone" reliable.

### To Whom Do These Belong?



Here are two of the many dresses from a trunk found in New York. The trunk was traced to Kenneth G. Ormiston, former radio operator for Aimee Semple McPherson, and police said if the garments could be traced to Mrs. McPherson, the conspiracy case against the evangelist would be cinched. The gown on the left carried the label of a Los Angeles store; at the right is a pair of crepe de chine pajamas.

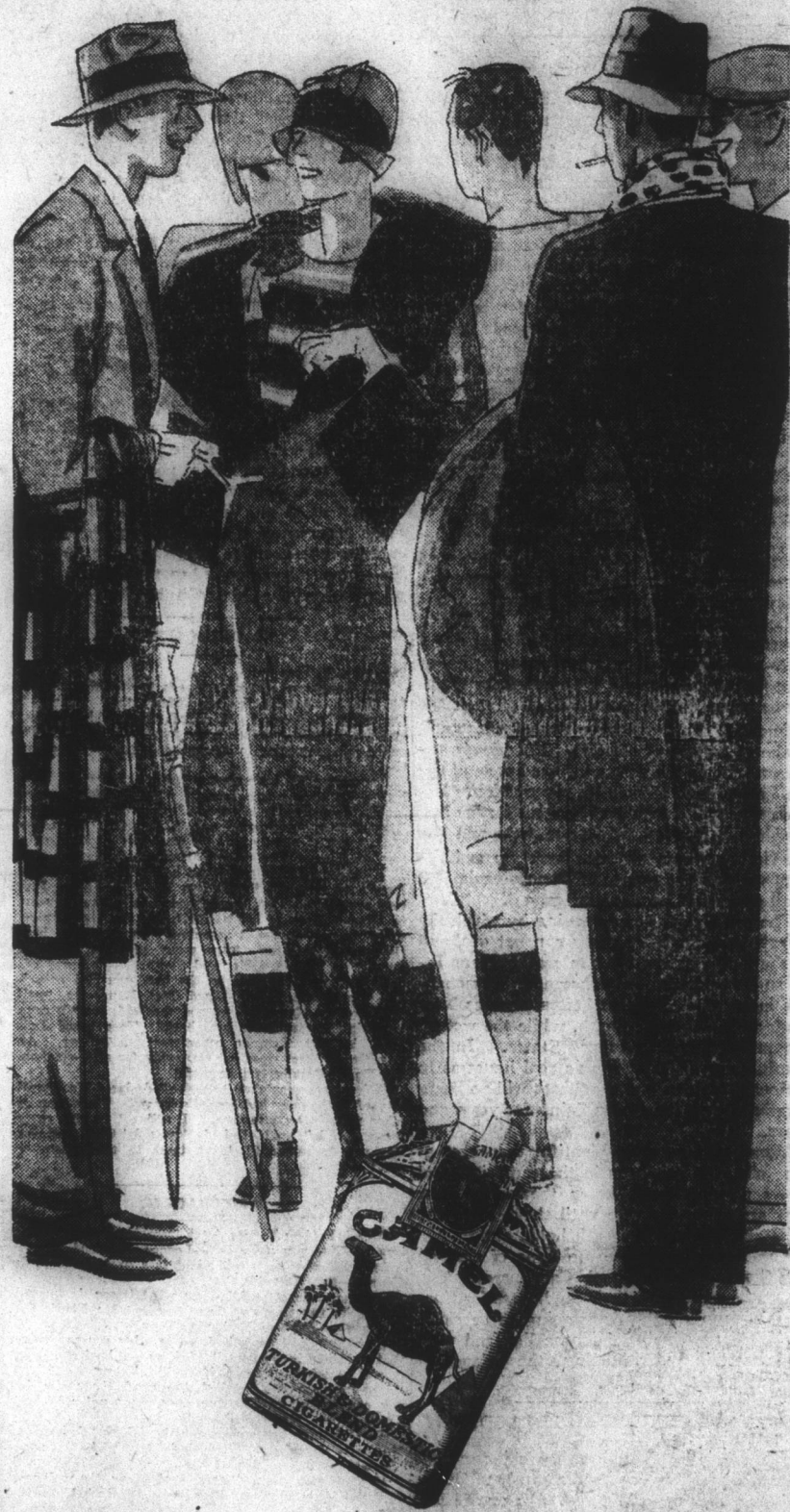
International Newsreels

### A Goo-Goo-Glimmed Auto



This auto was knocked dizzy, and took to the park, when it ran into a tree at Washington, D. C. Five were hurt.

# "HAVE A CAMEL" INVITES YOU TO THE WORLD'S MOST POPULAR SMOKE



In popularity with smokers, no other cigarette is within a thousand miles of Camel. Camels have been rewarded with the greatest favor any cigarette ever enjoyed. In all the history of smoking, there was never such a growing preference as for this cigarette.

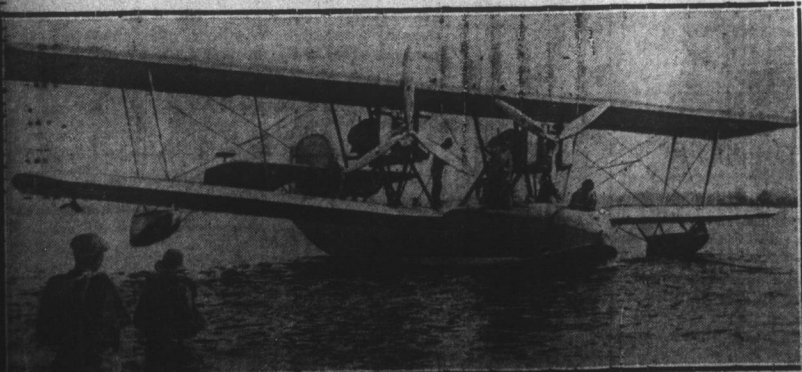
There is but one reason for the increasing fame of Camels — tobacco goodness.

From the beginning, Camel has made its way by quality. The choicest Turkish and Domestic tobaccos and endless care for perfection are the meaning of Camels, and Camel quality. As new millions try them all, as they become experienced smokers, they come home to Camels.

Camel mildness and mellowness are made for your taste. . . . They will bring you the utmost smoking pleasure. Try them now. For a smoke that never tires the taste, literally never leaves a cigarette after taste — "Have a Camel!"

B. J. REYNOLDS TOBACCO COMPANY, WINSTON-SALEM, N. C.

### Ready to Hop Off on Flight to Panama



This shows the crew working on one of the PN-10 planes at Philadelphia, which will be used in the Navy's non-stop flight of 2,100 miles to Panama.