

## FLYERS GIVEN WEATHER NEWS BY NEW SYSTEM

CLEVELAND (AP)—The most extensive use of radio as "eyes" for the airman flying in fog or darkness has just been inaugurated.

According to instantaneous communication between pilots, radio stations, landing fields and the weather bureau, experimental operation of a new system of weather service has been started between New York and Chicago on the trans-continental airway. The control center of the system is located at Cleveland, the weather bureau, the Air Transport company and the airways division of the Department of Commerce managing the operation of the service from here. By means of an automatic telegraph typewriter system, a message written on a typewriter at any point in the circuit between Newark, N. J., and Cleveland is transmitted instantaneously and written on a tape at all other points in the circuit. The operators at the Department of Commerce radio stations along the airway broadcast the messages by radio telephone to the pilots. The service includes regular weather reports gathered throughout the United States each morning and evening, a secondary set of weather reports gathered at intervals of three hours from critical points in the vicinity of the airway and hourly reports of weather and landing field conditions from intermediate landing fields located 50 miles apart along the airway.

## GOOD WILL FLIGHT CHINESE AVIATORS

NANKING, China, Nov. 17.—(AP)—Three Chinese airmen flying an American built plane, christened "The Spirit of Canton," arrived at Nanking Friday from Hankow on a good will flight which they are making over China. The plane is owned by the Canton government. The arrival of the fliers created great enthusiasm in nationalist government circles. The highest officials went to the air field to greet the airmen and see the plane, which was functioning perfectly. W. J. Change, who was in charge of the flight, was told by officials that China was looking to him to blaze the way to the development of commercial aviation in China. From Nanking the fliers will go to Peking, Tientsin, Shanghai and Canton.

## Jardine Praises Radio Farm Service



Secretary W. M. Jardine of the Department of Agriculture, who is co-operating with more than 200 broadcasting stations in transmitting weather, market and general information for the benefit of the farmer.

WASHINGTON (AP)—Secretary W. M. Jardine of the department of agriculture is enthusiastic about the efficiency of radio as a method of rapid dissemination of information. "The department regards radio as a most effective medium for flashing out information to farmers," the secretary says. "Today we are co-operating with more than 200 stations in sending weather, market and general agricultural information. "When business interests get information affecting them, a dozen men can act for an entire industry. The situation in agriculture is different. We have 6,000,000 farms in this country. In the main operated independently, the public is phenomenal. Hundreds of clubs are already proposing the study of financial expenditures for aviation development."

## SPECIAL ATTENTION TO AVIATION 1929 BY KIWANIS CLUBS

Because of the hundreds of inquiries from Kiwanis clubs for scientific information about aerodynamics, the organization will pay special attention to aviation in 1929, giving all the 1750 clubs and 102,000 members advice about the building of airports, landing fields, the air markings for cities, and also counsel by noted fliers. Howard S. Smith, of Dayton, a former army flier and past governor of the Ohio Kiwanis district, announced here recently. "We will immediately put into action an educational campaign for the interest in aviation by

the public is phenomenal. Hundreds of clubs are already proposing the study of financial expenditures for aviation development."

Assistant Secretary of War William McCracken will be one of the first men to assist in giving Kiwanis knowledge of aerodynamics. Captain A. B. Stevens, who, with Walter Hinton, made the famous trip over the Amazon on the Hamilton-Rice expedition, Lieutenant Heinenberger, the flier with Lieutenant Maitland on the trip to Hawaii, Prof. A. B. Anderson of the Guggenheim Foundation and C. M. Young, director of aerodynamics of the U. S. Department of Commerce, will be others.

LAUREL, Miss., Nov. 17.—(AP)—Dependency because of failing health today was believed by Alben Boyd to have caused his wife to saturate her clothing with gasoline and fire herself with a match at their home here last night.

## NEW COMPANY TO MANUFACTURE C. T. & T. TIRES

An announcement of vital interest to tire dealers and tire consumers, Washington and California, has been received from J. F. Cullen, recently elected president and general manager of the new C. T. & T. Tire & Rubber Co., Portland. The C. T. & T. Tire & Rubber Co. is the new company that has just

taken over the old C. T. & T. Tire Corporation, and will start at once to manufacture and distribute the new C. T. & T. line, which includes tires and tubes. The new product will have heavier non-skid tread, built on heavier cases, with side wall construction made heavier also in proportion to heavier weight cord ply and high grade rubber friction stock still be used.

Mr. Cullen is leaving for the east to purchase new equipment. All C. T. & T. tubes will be laminated and steam welded, making both the new C. T. & T. tires and tubes completely redesigned and constructed throughout.

The new C. T. & T. personnel brings into the northwest another large payroll, as when the factory is operating under full time it will

include 125 new employees, making a minimum of 300 tires a day, and will have an annual payroll of \$300,000.

Mr. Cullen will be in complete charge of the operation of the plant in addition to the presidency, and will personally supervise all products. He is well qualified for the position, as his entire life has been spent in the tire industry. Patents issued to Cullen cover over a dozen vital processes in the manufacture of tires, and many of these are used exclusively in the manufacture of the new C. T. & T. tires.

H. A. Ketterman, secretary and treasurer of the new company, has been well known throughout the coast since pre-war times. For six years he served in the accounting department of the Standard Oil

company, and was for three years with the Mack Truck company of Portland.

C. W. Brown, sales manager for the new organization, has had 15 years experience in selling tires on the Pacific coast. He was manager of the Firestone branch at Seattle and was also Portland branch manager for Kelly-Springfield solid tires.

The C. T. & T. Tire & Rubber company is starting operation at a time when the rubber market is at the very lowest, with no contracts to rebate, no inventory losses, with the factory capable of turning out over a thousand tires a day, and with its engineers understanding perfectly conditions in the market in the Pacific coast usage, and it is predicted that in a year's time the new firm will be

fully established and turning out its maximum number of tires under the plan that all C. T. & T. tires must be equal in quality and competitive in price with any other tire offered the motoring public in this territory.

ITALY AND ENGLAND ARE LINKED BY TELEPHONE

TURIN, Italy.—Direct telephone service has now been inaugurated between Turin and London. The line runs underground from here to Milan, and from there books up with the Milan-Zurich-Paris-London circuit. Recent satisfactory trials of telephone communication between Turin and Barcelona and Madrid give hope that these lines too may soon be functioning regularly.

# Clearance!

## SALE of FLOOR DEMONSTRATORS

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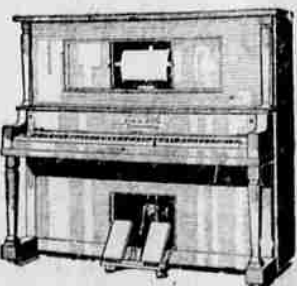
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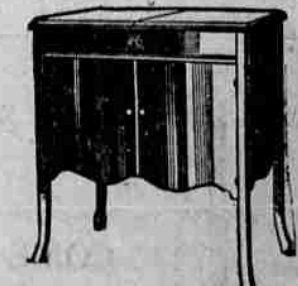


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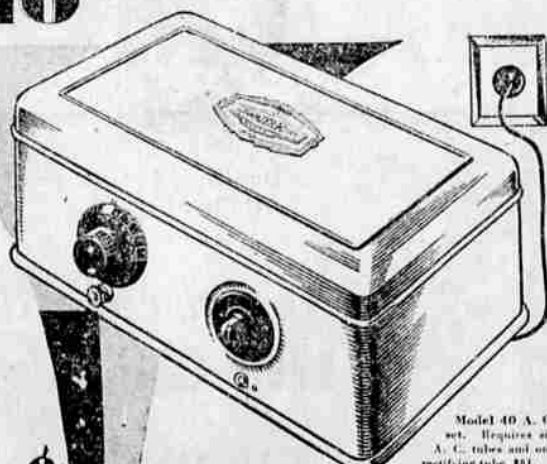
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