

## STORIES of New Jersey

Newark Airways Communication Station. It operates through a transmitter at Elizabeth. WWU not only broadcasts weather reports to the pilots but also supplies the radio range beam which guides pilots to Newark when they are flying blind.

The radio beam operates as a whistle-like signal 24 hours a day. When the pilot is on his course the beam is a regular, steady sound, but should he veer from his course the sound changes sharply, thus letting him know whether he has strayed left or right. Formerly the pilot was compelled to turn off his beam in order to hear the weather reports, but a few months ago new equipment was devised which permits him to receive both at the same time. As an aid to blind flying a "cone of silence"--created by conflicting radio beams at the transmitter station in Elizabeth--stills the pilot's radio beam, for a second, notifying him of his whereabouts. From the cone of silence the pilot is able to get his bearings and without seeing the ground descend on the beam to the airport.

Newark Metropolitan Airport has almost unlimited possibilities for expansion. There is room for a 2,000-acre field with runways lengthened from one to two miles to accommodate the mammoth airships of tomorrow. Sponsored by the City of Newark, the Works Progress Administration has erected a new hangar building which will replace those now occupied by American Airlines, Transcontinental & Western Air, Standard Oil, Newark Air Service and Eastern Aeronautical Corp. The hangar, 1,050 feet by 165 feet, is the largest in the United States. Divided into three units, each with an administrative office, it will house and provide service for 36 giant ships. In addition the WPA is constructing a seven-acre seaplane base on Newark Bay, four minutes from the airport. This enterprise looks forward to the time when transoceanic travel will also be a daily occurrence.

### AIRPORT JARGON

Bail out--to use a parachute	Load of ice--ice on wings
C.A.V.U.--ceiling and visibility unlimited	Mush in--to make a landing at the minimum speed
Climbing up through--going up through clouds to get on top	On top--flying over clouds
Drop a cylinder--failure of engine	Prop--propeller
Duck--an amphibian plane	Prop wash--current of air from the propeller
Empennage--complete tail assembly of fin, stabilizers and elevators	Pull or pop a flare--to release a flare to find a landing
Fin--rudder	PX--to give a definite destination so that all fields along the route may be notified
Goon--a Douglas airship	Sitting on silk--wearing a parachute
Homing--sailing in a direct line for the airport	Soupy--foggy
Instrument approach--blind flying until the airport is reached	Squat--to land
Jeep--a Lockheed airship	Wind up--to run a ship above its normal speed
Konk--motor gone dead	Windmill--an autogiro