

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Radio Altimeter Invented Here

Issue Date: Nov-1929

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 13, no. 2 (November, 1929), 7.

URI: <http://hdl.handle.net/1811/34616>

Appears in Collections: [Ohio State Engineer: Volume 13, no. 2 \(November, 1929\)](#)

RADIO ALTIMETER INVENTED HERE

Among the various altitude instruments that have been submitted to the Daniel Guggenheim Fund for the Promotion of Aeronautics is one invented by William L. Everitt, assistant professor in the department of electrical engineering at Ohio State. The Fund has made a grant to the University for the development of the instrument.

The advantage of Mr. Everitt's altimeter over other radio altimeters is that it indicates altitude directly instead of altitudes within a nodal distance. This instrument should be a great aid in fog flying although it has not yet been tested in flying over cities with tall buildings or rough or wooded country. In this instrument the frequency of the carrier wave is varied by the rotation of an air condenser. For a certain rate of frequency change the beat note set up by the transmitter and reflected waves has a pitch which is a direct function of the altitude.
