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Ohio State Engineer

Title: A Modern Clock

Issue Date: Apr-1936

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 19, no. 6 (April, 1936), 12.

URI: <http://hdl.handle.net/1811/35298>

Appears in Collections: [Ohio State Engineer: Volume 19, no. 6 \(April, 1936\)](#)

A MODERN CLOCK

The British Post Office Department has recently demonstrated an entirely automatic speaking clock used to announce the time by telephone, to subscribers. The apparatus tells the time every 10 seconds, twenty-four hours a day with an accuracy of 0.1 second. The system is checked hourly with Greenwich Observatory clocks. The device consists of four glass discs upon which are photographically recorded sound tracks. Optical indicators in conjunction with photo electric cells translate the disc records into the electric impulses which are announced by the speaker. An example of a complete announcement follows:

"At the third stroke it will be ten twenty and fifty seconds." The subscriber then hears three sound signals having a frequency of about 800, a note approximating high G. A similar device in Berlin is said to net the telephone company \$2,000 a day.