



*Mrs. Darleen Olsen of New Jersey Bell using the new coin telephone. "Edge-on" slot is at top of box.*

Two important advances in station equipment, developed at Bell Laboratories, are currently undergoing field-trials.

In Woodbridge, N. J., a limited number of experimental coin telephones with important changes in appearance and internal operation have been placed on trial for a few months at various locations. The purpose of this trial, being conducted with the cooperation of the New Jersey Bell Telephone Company, is to test the operation of the new equipment.

A major feature of the trial telephone, developed under the direction of W. Pford in the Station Apparatus Development Department, is the elimination of the usual gong and chime which sound when coins are deposited. They have been replaced by an electronically generated coin signal that gives one "beep" when a nickel is deposited, two when a dime is put in and five when a quarter is deposited.

Another important feature is the single, vertical "edge-on" coin slot, located at the upper front of the box, which will accept any of the three coins. This eliminates the three coin slots marked for nickels, dimes and quarters that have been on Bell System pay telephones for more than 50 years. A number of other internal and external changes have been made also.

A new repertory dialing unit will be product tested by a group of 75 businessmen in Akron, Ohio, for three months. The development of this new dialer was initiated under the direction of

## New Station Apparatus Being Field-Tested

H. F. Hopkins, Station Instrumentalities Engineer, and was completed under the direction of W. Kalin at the Indianapolis location of Bell Laboratories.

This electrically operated device has a capacity of 50 thirteen-digit numbers. It will be used for both local and direct-distance dialing of frequently called numbers. Up to 50 separate telephone numbers can be pre-set on the dialer by "notching" codes on circular discs inside the unit. Number changes and additions to the repertory can be made by inserting new discs.

All the customer has to do to reach one of the preset numbers is move an indicator to the name he wants to call, and lift the receiver of his regular telephone. After hearing dial tone, he presses a bar, as shown in the photograph below, and the automatic dialer does the rest.

