See! Hear! —

AMERICAN TELECEIVERS for 1939

RCA VICTOR

DuMONT

GENERAL ELECTRIC

WESTINGHOUSE

STEWART-WARNER

Pilot

C O I N C I D E N T with scheduled television transmissions by NBC/RCA at the opening of the New York World's Fair 1933 on April 30, foremost radio set manufacturers announced availability of new television receivers, and image-receiver — sound-converter units.

Radio-Craft here presents to its readers views of certain of those "teleceivers"—most of which are representative of an entire line—and the following review of these models, and the additional models where other models are available.

RCA VICTOR. Illustrated on this page is the RCA combined image receiver and sound converter, model TT-6. It employs a direct-viewing 5-inch kinescope (cathode-ray receiving tube) with an image which measures 3 3/4 x 4 3/4 ins. The chassis incorporates 16 tubes, plus the kinescope. Overall dimensions of this table model instrument are: (Continued on page 744)
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The 2 remaining console models, the HM-226 and the HM-275, combine all-wave radio and television receiver features. The former employs 29 tubes and the latter 30 tubes, including a 12-in. image tube. Each has a video-sound, power, and radio chassis. Approximate price range of the new television receivers is from $250 to $1,000.

Westinghouse. The Spring line of television receivers just announced by Westinghouse Electric Supply Company includes 4 models of which the WRT-700, illustrated on pg. 728, is representative. It has unusual interest however in view of the fact that the WRT-700 is a television attachment called the television receiver that connects to an external radio receiver for the associated sound portion of the television equipment. The image is set up on the end of the 9-in. kinescope in the table-model television while the sound portion of the program is filtered out and transferred by means of a converter to an associated radio receiver. This latter feature makes television reception available at minimum cost. Price of WRT-700, $295.00.

The de luxe television WRT-703 consists of a 12-tube, 2-band radio and television receiver with 12-in. kinescope housed in a specially-designed cabinet of selected woods. All controls are concealed by the lid which is elevated to a 45-degree angle to allow viewing the image in the mirror fixed to the inside of the lid. Price, $400.

The television controls have been reduced to a minimum of 2 dual controls. The radio receiver has 12 tubes, 12 W. of output, 12-in. dynamic speaker, 8 frequency bands, and 8-button station selection.

The WRT-701. This television console uses a 4-in. kinescope and an 8-tube, 3-band, 6-pushbutton radio set. Price, $295.

Output, 5½ W.; 12-in. dynamic speaker.

The WRT-702 television contains a 9-in. kinescope and 12-tube radio receiver similar to the above unit. This receiver has the kinescope mounted horizontally. Thus the image screen and all controls are on the face of the cabinet. Television controls and radio chassis, same as WRT-705. $400.

PILOT. An oldtimer in television—as time is counted in this field—is Pilot Radio Corp., which began public demonstrations with scanning-disc equipment in 1927. Culminating laboratory work on electronic equipment is the Pilot model T-90 just announced; shown on page 728. This is a 20-tube, high-definition, high-fidelity television receiver using a superheterodyne circuit.

Among the innovations in this receiver, is a full automatic raster control designed to prevent the formation of spots and blemishes on the screen, and to prevent damage to the cathode-ray tube. It is warming up. In line with this feature, the receiver also has an automatic background lighting control, enabling the reproduction of the exact degree of brightness, as transmitted at the original scene. The intensity control is then operated only to set the brightness level.

The images, on a 9-in. screen, are black and white, and of sufficient brightness to be viewed in daylight.

Prices on entire line: 9-in-tube table model, $250; 9-in. console, $205; 12-console, $475.

PUDSTRA-WARNER. The Stewart-Warner television set (see page 728) claims a distinctive high-fidelity sound slightly that adds realism to the reception. Complete instrument has 25 tubes, with 12-in. C.R. tube.

Please Say That You Saw It in Radio-Craft.