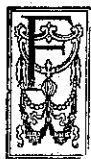


Exhibits at the Exhibition

Tendency towards All-Electric



FROM the technical point of view the exhibits at the Radio Exhibition had a singular significance. In all there were 14 exhibits, and the fact that no less than 18 of these were demonstrating or displaying all-electric models indicates clearly the design of the set of the future. The majority of these are combined with electric gramophones. Diversity is obtained through the design of the cabinets rather than through circuit and valve combinations. The newer models are using the five-pronged heater type valve in all stages except the last. In the more expensive receiver super power valves are arranged in push-pull, and it is clear that the set without such a valve in the last stage has disappeared.

The trend towards all-electric receivers was further strengthened by the fact that a large number of "A," "B," and "C" battery eliminator combines were in evidence. Simplicity, too, is a keynote in the modern receiver. Single dial operation has almost entirely replaced the multiple dials, though these are still used where sensitivity is preferred to simplicity.

The details of the exhibits are as follow:—

STAND NO. 1.

Whitcombe and Tombs Ltd. and Cory-Wright and Salmon.

MOST prominent among the exhibits on this stand showed was the Loewe receiving set with a frame antenna and complete with a moving-coil speaker.

The new Loewe set using reaction resembles very closely the ordinary Loewe, but it has an extra control.

Another product of interest was the Eria all-electric receiver, a beautifully finished console model with drum dial calibrated in kilocycles and in degrees. A built-in dynamic speaker completes the set.

An exhibit of special interest was a gramophone which had been converted into a combined gramophone and electric radio, with a dynamic speaker replacing the soundbox.

Cory, Wright and Salmon's exhibit comprised batteries of all descriptions. A super-size giving a voltage of 108 built up of 70 Leclanche cells enclosed in a neat case was something unusual. By the addition of a little sal ammoniac these can be kept in working operation for some considerable time. Judging from their exhibition of batteries, the tendency is to move away from small batteries to those built up of larger cells which will stand the greater drain.

STAND NO. 2.

Speddings, Limited.

THE centre of attraction on this stand was a Majestic set, flanking which were arranged the familiar Speddings products. The latest types of Mullard valves featured largely. Resting on each was a stripped valve showing the electrodes.

The Empire Four—a set employing the shielded-grid valve appeared to be

built for service. It is controlled by two very finely geared dials, enabling accurate tuning. By a wave change switch both high and low frequencies can be tuned in.

Several gramophone units were in evidence, and one of these was used in conjunction with a Webster pick-up, and amplifier to supply a Magnavox dynamic cone speaker. Many of the latest Rola Cone speakers were displayed.

STAND NO. 3.

E. Sime and Co.

LARGE and interested crowds drew round this stand to see the new Spartan electric radio receivers and gramophones. This is a large, handsome piece of furniture which stood in the centre of the artistically draped stand. The Sparkes Ensemble comprises two parts. To the right was the electric gramophone, and on the top portion of this was an electrically driven turntable. Immediately over this is a suspensor which will hold a dozen records. When each record is finished the reproducer is automatically switched clear, lifted from the disc and slid into a magazine. The spindle now moves up and brings down the next record. The pick-up then moves on to this and commences playing. In this manner the dozen records are played, and the set automatically cut off. In the lower portion are arranged the record albums.

STAND NO. 4.

F. J. W. Fear and Co.

DRAPED with blue and gold, stand No. 4 was an attractive sight. A

large "King" at the back, was the main feature, with all-electric King's and Utah speaker in support. This new line of Utah speakers are of quite unusual and attractive design. An Airzone Portable set was demonstrated at all times when 2YA was on the air. In addition to the two new type King sets, a battery model in an oak cabinet was on show.

STAND NO. 5.

Harringtons, Limited.

A VARIETY of products were exhibited by Harringtons, Limited. Pilot parts included power packs constructed of Pilot parts featured largely, and these were keenly examined by interested constructors. Outstanding among these was the new Pilot drum dial control. This very neat attachment can be used by any constructor to replace the separate dials. A piece of furniture, an Imperia cine-phone for theatres, etc., was more or less unusual in design. Two electric turntables were provided with gramophone pick-ups so that continuity was ensured, and above this a rack served as a record magazine.

Other exhibits were a public address unit complete with microphone and amplifier, a silver Marshall power amplifier of five valves, including two 250's in push-pull, Atwater Kent, Magnavox and Rola speakers.

STAND NO. 6 AND 7.

Radiola—Amalgamated Wireless.

THERE was no partition between these, and a very attractive display was the result. Several of the

new all-electric Radiolas were featured and demonstrated during the exhibition. One, an all-electric combination gramophone pick-up and radio set, proved itself capable of attracting a great deal of attention. A novel exhibit was a huge dynamic cone speaker with a baffle in light grey oak built in the form of a screen. A centre piece of colour caught the eye. Around the walls were hung several Marconi speakers, and being of the latest design, these proved quite effective wall decorations. A table of Radiotron valves showed visitors the latest that the R.C.A. are turning out as far as valves are concerned.

STAND NO. 8.

Cossor Melody Maker.

THIS was the only stand in the exhibition featuring small battery-operated sets. The stand was brightly decorated in orange and yellow. To the sides were two assembled Cossor sets and on a central table was a Cossor with the lid removed. At the back of this was a loop antenna which could be plugged in to replace the antenna coil so that the local station could be received without aerial or earth. Instructions showing the assembly of the sets were arranged on the wall, and visitors could then see the set in kit form, how it was assembled, and the assembled set.

STAND NO. 9.

Atwater Kent.

A VARIETY of sets, ranging from handsome consoles to small shielded table models were on view at this stand. A new shield grid Atwater Kent was featured. This is a very



The attractive stand of the Association of Amateur Transmitters.