

## A Huge Broadcast In Schools throughout America

IT has been estimated that more than 175,000 children in the public schools of New York listened in recently to the first of a series of lecture-concerts on "Music Appreciation." These broadcasts, which are to be presented for three years, now form a regular part of the curriculum of most of the schools in America.

Officials of the National Broadcast-

ing Company, whose stations broadcast the concert throughout the United States, estimated that as well as the children of New York, nearly 5,000,000 pupils in America and adjoining countries heard the programme. More than 50,000 class rooms and auditoriums in every State in America were linked by specially-installed receivers to the broadcast, which travelled over a network of sixty-two transmitters.

It was said to have been the largest network ever employed for an educational programme in the history of radio broadcasting. Telegrams and cablegrams indicated that many class rooms heard it in Canada, Mexico, West India, Argentina, and the Philippine Islands.

## Screen Grid Radio

### Favoured by Many Traders

A SHORT time ago we published an account from an American publication concerning the application of the screen grid to a well-known make of receiver. This paragraph has created a great deal of interest as the following communication from members of the radio trade indicate. The N.Z. manager of Amalgamated Wireless, Mr. G. Robertson, writes:—

Referring to the paragraph on screen grid radio in your issue of the 22nd

instant, we would like to give our experience with the screen grid valve and screen grid circuit.

During the comparatively short space of time that receivers embodying the screen grid valves have been on the market in New Zealand, our turnover has been exceptionally high and our customers without exception are delighted with the results achieved. Trouble with screen grid receivers has been practically non-existent.

It is common knowledge that A.C. valves are now as consistent in their operation as any of the battery types. Our records show that although the percentage of faulty A.C. valves is abnormally low, the UY-224 screen grid is the least troublesome of all. Our dealers have been unanimous in their praise of our screen grid receivers and of the performance of the screen grid valve.

In view of the fact that other dealers handling screen grid receivers have had exactly similar experience, we can only suggest that the manufacturers who have had trouble with screen grid must have been experimenting with a valve less reliable than Radiotron UY-224.

IN addition to the foregoing, the New Zealand agents for the well-known Stewart-Warner Radio, Hope Gibbons Limited, advise that they have complete confidence in the new screen grid principle, and have had less valve trouble with this type of valve than with any other. The Stewart-Warner Corporation is turning its entire radio division over to the manufacture of screen grid sets. This clearly indicates their favourable attitude towards screen grid, especially at a time when radio is commencing its annual winter sale season in America.

MR. C. W. RICKARD, of Odins Ltd., New Zealand distributors for the Atwater Kent, has sent along a newspaper which reads: "Determined to find out for themselves how good the Atwater Kent screen-grid set was, two American distributors put a model 55 on test. The valves were selected from random from the regular stock and carefully tested. The set was then tuned to a local station. All controls were turned on full and the set left to its fate. It was not touched for an entire month, and when examined was still functioning perfectly. The valves were again tested, and all rendered a good account of themselves. Some tested better than when new. The screen-grid valves were best of all. 'Five weeks—thirty-four days—eight hundred and sixteen hours of continuous operation—without a single fault showing up,' was the comment of the dealers. A length of operation equivalent to eight or ten months of normal operation, not taking into account the fact that it was operating continuously, a circumstance that at least triples the strain. Here is concrete proof of a most definite sort that the model 55 Atwater Kent receiver is built to endure as well as perform."

Mr. Rickard adds that the sales from the Atwater Kent have increased enormously, and his records show that the screen-grid receiving set represents fully 90 per cent. of the total sales. He adds that they have had less trouble with the screen-grid valve than they did with the earlier types of A.C. valves over a similar period.

# Bargains in Shop-Soiled and Demonstration RADIO SETS

THIS is your opportunity to purchase a Christmas Present, which will bring joy to your entire family—not only during the Christmas Season, but for 365 days in the year. It is a genuine Sale of Shop-soiled and Demonstration Radio Sets.

EVERY instrument is tested, and guaranteed free from mechanical or electrical defects.

At the prices quoted, each instrument is COMPLETE with all accessories, including valves, batteries, and loudspeaker, etc. (but excepting aerial equipment, which can be supplied for 11/6 extra when desired). Further particulars of any model will be supplied on request.

	List Price	Sale Price
	£ s. d.	£ s. d.
Watnet 2-Valve, in oak cabinet. Complete .....	10 0 0	7 15 0
Astor 2-Valve, in metal cabinet. Complete .....	10 10 0	7 0 0
Astor 3-Valve, in metal cabinet. Complete .....	13 10 0	9 0 0
Aerola 3-Valve, in oak cabinet. Complete .....	13 15 0	9 10 0
Selectra All-Electric 3-Valve. Complete .....	25 0 0	20 0 0
Airmaster All-Electric 3-Valve. Complete .....	26 0 0	21 0 0
Browning-Drake 4-Valve, less cabinet. Complete .....	14 10 0	10 10 0
Screened Grid All-Electric 4-Valve, less cabinet. Complete .....	26 0 0	20 0 0
R.G.S. 4-Valve Browning-Drake, in oak cabinet. Complete .....	30 0 0	19 0 0
Airzone 4-Valve Portable, with self-contained aerial and batteries and speaker. Complete .....	27 10 0	20 0 0
Radiokos All-Wave Screen Grid 4-Valve, less cabinet. Complete .....	25 0 0	20 0 0
Marwol 5-Valve, with built-in speaker. Complete .....	25 0 0	15 0 0
Crosley 5-Valve Model 5/38, in cabinet. Complete .....	22 10 0	15 0 0
Altona 5-Valve, in oak cabinet. Complete .....	28 15 0	17 10 0
Amrad 5-Valve, in mahogany cabinet. Complete .....	30 0 0	19 0 0
Amrad All-Electric 5-Valve, in mahogany cabinet. Complete .....	50 0 0	27 10 0

	List Price	Sale Price
	£ s. d.	£ s. d.
Trav-Ler 5-Valve Portable. Complete .....	27 10 0	19 0 0
Selectra 6-Valve Screen Grid. Complete .....	47 10 0	37 10 0
Crosley 6-Valve Model 6/60, in mahogany cabinet. Complete .....	34 10 0	22 0 0
Crosley 6-Valve Console, mahogany cabinet, Model RFL/90. Complete .....	45 0 0	25 0 0
Crosley All-Electric 6-Valve, in mahogany cabinet, Model AC7. Complete .....	40 0 0	25 10 0
Crosley Bandbox 6-Valve, in metal cabinet. Complete .....	31 0 0	24 10 0
Crosley All-Electric 6-Valve Bandbox, in metal cabinet. Complete .....	48 0 0	25 0 0
Akradyne 6-Valve, in mahogany cabinet. Complete .....	35 0 0	20 0 0
Amrad 7-Valve, in mahogany cabinet. Complete .....	40 0 0	25 0 0
Branston 7-Valve Super-Heterodyne in cabinet. Complete .....	45 0 0	22 10 0
Rauland Forte 7-Valve, in walnut cabinet, with door complete, with wet A and B batteries. Complete .....	75 0 0	42 10 0
Bremer-Tully Counterphase 8, in mahogany cabinet. Complete .....	80 0 0	42 10 0
Fada 8-Valve Model 480A, in walnut cabinet. Complete .....	115 0 0	50 0 0
Madison-Moore 8-Valve Super-Heterodyne Kit (partly assembled) .....	25 0 0	12 0 0

EASY TERMS.—We will arrange terms to suit your convenience. Write and tell us the model that attracts you, and the amount of deposit and monthly payments you can manage. We will endeavour to meet you. Any of the above sets will be quoted without equipment if desired.

CROSLEY SETS SUPPLIED TO NORTH ISLAND ORDERS ONLY.

## ABEL, SMEETON LTD.,

27-29 CUSTOMS STREET EAST, AUCKLAND.