

ANNOUNCEMENT is made of the near-completion of a wireless station at Horta, on the Azores Islands. It is being conducted by the Portuguese Government. The service is particularly designed for trans-Atlantic flyers. Weather reports will be radiated four times daily, enabling aviators who are attempting the crossing to receive first-hand information on mid-Atlantic meteorological conditions.

THERE were approximately 60,000 sets in use in Canada and America in January, 1922, serving an audience of approximately 75,000 people. It is now estimated that 8,500,000 homes are equipped with radio sets, and that the listening audience has grown to nearly a third of the total population of the American continent. There are 1200 manufacturers engaged in the making of radio sets and radio parts and all types of radio equipment; over 1200 wholesalers and distributors, and approximately 35,000 dealers carrying stocks of sets and accessories.

THE importance of radio as a uniting influence on the far-spread countries of the world is signified by the fact that postal authorities of four countries have produced stamps with symbolical radio designs. Guatemala, as early as 1918, issued a stamp showing a radio station and radio masts. In 1925 the Soviet Republic issued a stamp bearing the likeness of Popoff, a Russian pioneer in radio experimentation. The stamp was inscribed, "Popoff, wireless pioneer." In 1927 Greece issued a stamp showing the cruiser Averoff. Radio apparatus was shown clearly by the engraver. Cabot Tower, St. Johns, Newfoundland, is

engaged on a nine-cent stamp issued in January of this year. The engraved legend says that the first trans-Atlantic wireless signal was heard in Cabot Tower in 1901.

FROM September onwards all passenger trains in Hungary are to be provided with radio headpieces in each compartment, and attendants will pass along the trains offering the use of them at the rate of 65 filler (about sixpence) an hour. Also the waiting-rooms at the principal stations will be provided with loud-speakers, and programmes from all countries in Europe will be received, but as regards their orchestral and vocal music only. All the railways belong to the State, which makes the organisation of the enterprise much simpler, and a company has been formed called the "State Railways Radio," to carry out the project.

RUSSIA has installed a number of public receiving stations through which concerts may be heard by the people. Mexico has also experimented with the idea—so have local storekeepers.

IN order to familiarise the public with the latest developments in radio, Vancouver dealers and broadcasting stations have been co-operating in what is termed a radio week. Radio shops are opening two hours every evening, and their whole stock is being thrown open to the public for inspection. No sales were to be effected during this period, it being merely

a time for demonstrations. The broadcasting stations put on special programmes.

PIONEERING the comparatively obscure territory, Spain has established a radio beacon at Cape Tres Forcas, Morocco, the first to be placed on the coast of Africa, according to announcement by the United States Lighthouse Service. Plans provide for the erection of a beacon at Cape Spartel, south of the entrance to the Mediterranean Sea. The Cape Tres Forcas beacon transmits the letter T.F., followed by a long dash of four seconds' duration. The signal is transmitted on a 300-kilocycle continuous wave.

IN order to track down interference, the Canadian Government has sent a trouble-tracking car, well staffed with experts, into the rough back-country. The tour laid down was for 2600 miles, into the heart of every province. In practically every place visited trouble of some description was located, and cured, or a recommendation made as to how it should be prevented. From 200 to 300 complaints were investigated each month. In addition to an eight-valve superheterodyne, a small portable set is provided so that it may be used where the car cannot be taken.

WITH a view to saving minutes that might mean enormous loss of life, limb and property, the New York fire department has conducted successful tests in the use of radio in directing operations. In utilising this means of

communication, officials have in mind the hazards of telephone wires being severed, thereby disorganising a fire-fighting operation which necessitates a centre of control.

OPERATING from Paris, detectives discovered a very powerful wireless station in the depths of a forest. It is alleged that the station was being used by anti-Fascists, opponents of Signor Mussolini. An Italian, Bertini, the station manager, has been arrested.

THIRTEEN automobiles raced around Brittany in a radio race. Each carried a radio receiving set, on which they received first a motto, which they had to write down, and then directions for getting to the next stopping place. Arriving there, the process began again, and after a short stop and a moment's silence while the drivers listened in to a central transmitting station, they were off again for the next leg.

FROM the far-off station of the Oblats Missionaries in Hudson Bay, Brother Volant, writing to his home town, states that he has heard the voice of his beloved France transmitted by the Toulouse broadcasting station. Jazz and opera and even songs of breezy frivolity were listened to by the delighted French monks. "God be praised," concludes Brother Volant, "voices from France are in the air."

BY means of the trans-Atlantic picture service the latest Paris models are being reproduced by New York fashion houses after being worn in Paris.

Insulated Wire

HOW many experimenters have at different times said hard words about the manufacturers of insulated wire, for not making it easier to bare the ends of the wire in a neat and satisfactory way? Although an apparently simple matter, it is surprising what a large amount of time and temper can be lost in preparing a few lengths of wire for an experimental hook-up! If you use too sharp a knife, you probably cut through most of the copper strands, while if the knife is too blunt, it is impossible to hack through the insulation.

Having eventually made a way through the insulation and reached the copper conductor, you then find either that the insulation has an annoying habit of slipping back like a sleeve, so that the nicely prepared bare copper end is missing when wanted, having disappeared again into the sleeve of insulation, or that you are left with a tangled mass of cotton fibres from which it is very difficult to distinguish and extricate the required copper strands.

An American wire manufacturer (evidently an experimenter himself) has now put on the market what he describes as "the speediest hook-up wire" for the experimenter. The insulation is arranged in such a way that you simply push it back in order to obtain a bare end, and, what is more, having been pushed back it obligingly stays back. This docility is obtained by braiding the insulation into a specially elastic tubular form and then treating it with a wax preparation including a small percentage of resilient ingredient which ensures, in the words of the maker, that "it stays put."

Amazing Results...

on the wonderful new SCREEN-GRID "4"

Read this owner's
remarkable letter for yourself

Bauchop's Hill,
Burke's Pass,
August 6th, 1928.

Dear Sir,

I am writing to let you know how delighted I am with the Screen-Grid Four which you procured for me....this little set is a wonder to all that hear it.

Prior to this set I had a six of a very popular make, and for tone, distance and volume on the ordinary broadcast band, the Screened-Grid Four comes out on top.

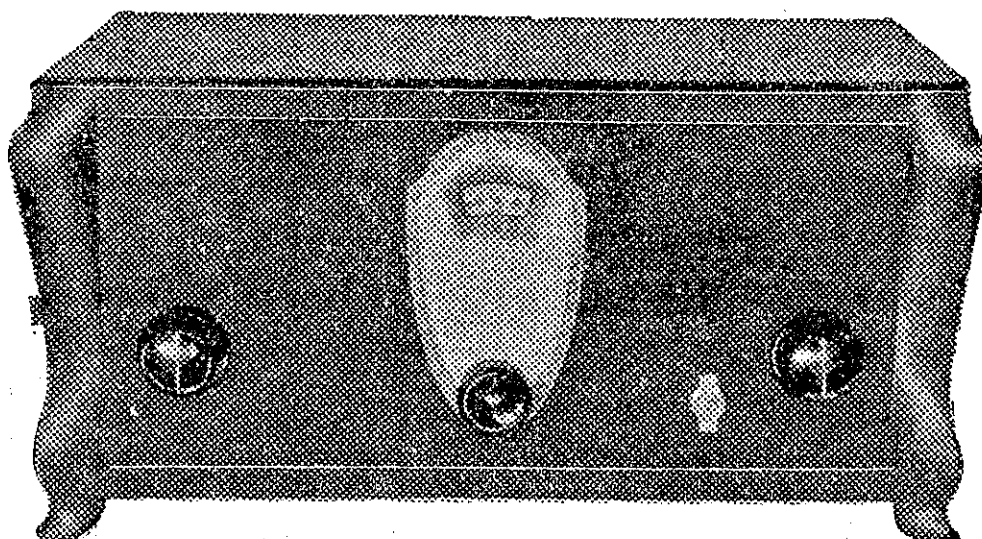
On the short-wave band I have not heard its equal.

To hear London, 5SW, PCJJ, 2XAF, 2XAD, KDKA, RFM and others all on the loudspeaker, which is a large cone, to my family, friends and self is wonderful. The Tunney-Heeney fight I worked with two stations, 2XAD and 2XAF. I tuned in 2XAD at eleven-thirty which was then about R3 on the speaker and improved to R4 by 1 p.m. I distinctly heard the opening announcements with the crowd cheering the boxers as they entered the ring. From then on I could not hear the announcer clearly to receive all the description as there was a terrific row from the ringside....

I am,

Yours truly,

(Sgd.) F. A. BUCKLEY,



THE NEW SCREEN-GRID "4"

This wonderful new Screen-Grid 4-Valve Receiver is revolutionising radio reception. Wherever it has been tried, results have been little short of marvellous. With the utmost ease, beginners have picked up stations in Siberia, America, Holland, England, Australia, etc., at perfect loudspeaker volume. Full particulars from

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