

2nd ISSUE

"N.Z. RADIO CALL BOOK"

Completely revised and brought up-to-date with many new features. The revised Call Book is as complete and authoritative as it can be made, and will equip radio listeners with the position up to the minute.

IMPORTANT ALTERATIONS EMBODIED

SCHEDULES OF B STATIONS (save 9) HAVE BEEN MATERIALLY ALTERED

40 NEW AMATEURS AND ALTERATIONS ADDED.

MORE AUSTRALIAN STATIONS FEATURED. 4 NEW JAPANESE—3 NEW CHINESE AND LIST OF INDIAN STATIONS NOW INCLUDED.

ALTERATIONS TO AMERICAN, CANADIAN, MEXICAN CALLS AND WAVELENGTHS.

The first issue of the "N.Z. Radio Call Book," three months ago, experienced such a phenomenal demand that several reprints were called for.

We advise you to get your copy now. If you have a Radio you NEED the "N.Z. Radio Call Book."



At all Booksellers
Or, for 1d. extra postage,
from

N.Z. Radio Record
BOX 1032, WELLINGTON

Get it NOW !

RADIO Round the World

THE high-powered Budapest transmitter being almost complete, the Hungarian authorities have started upon the construction of a broadcasting house modelled upon B.B.C. and Rose studio lines. The new edifice will contain eight studios, including a concert hall to which the public will be admitted.

ANYONE inclined toward the belief that radio receivers and transmitters have reached perfection might profit by recalling that less than a century ago the United States Commissioner in charge of the Patents Office recommended that the office be closed as everything of value had been invented and patented.

ARRANGEMENTS have been completed by the Italian Cabinet for a daily broadcast programme to all schools. In this manner it is contended that eight million pupils will have the benefit of teachers expert in subjects not usually included in school curricula. The organisation, which though directed by Government, will be completely autonomous and already arrangements have been concluded in rural areas by which broadcast instruction may be implemented by capable local teachers.

ANNOUNCEMENT has been made of the perfection of a new microphone which is said to respond with a fidelity previously unknown to all frequencies in the audible range up to 14,000 cycles per second. The new instrument is of the velocity type, which means that it responds to the motion of air resulting from sound rather than the pressure of air due to sound. In place of the usual diaphragm, the new microphone utilises a sensitive duralumin ribbon which vibrates exactly with the movement of the air set up by the sound wave.

THE radio-phone facilities of the aviation companies in America have been most useful in the efforts to preserve forest resources. Numerous instances are recorded in which pilots have reported fires out of sight of the observation towers. Often pilots render particularly valuable service in giving details of location that could not otherwise be gained. It is estimated that the early information derived from aviators' reports has resulted in many thousands of acres of forest being saved, and special commendation of pilots' efforts has been embodied in the forest wardens' report to the Government.

A NEW variant of the paper chase has developed in London. A short-wave transmitter, installed in a car, was used by the North London Radio Society in connection with direction-finding experiments. The transmitter was taken to a secret location and set working. Other members of the society then proceeded to track it down with their portable direction-finding receivers.

IT is stated that British investigators in wireless research show no enthusiasm for music of the order which Louis Theremin first demonstrated practically. Experimenters in other European countries, however, are largely incorporating the instrument as an orchestral unit in established combinations. A Russian improvement on Theremin's oscillator is said to be important and promises much for the development of music for wireless.

MANY types of British receivers are totally unsuitable for New Zealand conditions, and some models recently imported for testing have been rejected by the Post and Telegraph Department as definite creators of interference. Some makers, when this fact had been pointed out to them, frankly admitted that conditions in Britain do not demand the same features in construction as local conditions do, and have intimated that their established markets are sufficient for their needs at present. This attitude is deplorable considering that hundreds of millions live in countries where conditions are similar to those obtaining in New Zealand.

A STAND that attracted much attention at the recent radio exhibition in London was conducted by the Post Office, which was mainly devoted to showing methods of overcoming electrical interference. Vacuum cleaners, street traffic signals, and various types of medical high-frequency apparatus were switched on and their effects were noted by the visitors on a standard receiver. An eliminator of a type approved by the Post Office was then switched into circuit, demonstrating that local interference of most virulent type can be effectively overcome.

AT the recent "Radiolympia," London, orders were placed for 2,000,000 receivers, 10,000,000 valves, and 20,000,000 batteries. The turnover on sets alone was estimated at £3,000,000. The total increase in business over the exhibition of last year amounted to 72 per cent. The increase in export business amounted to over 350 per cent. So marked is the enhancement of the wireless industry that an increase of £20,000 per week is to be made in Press advertising by radio firms.

THE new Empire station of the B.B.C. is to commence regular transmissions on December 19. The British Postmaster-General stated in the House of Commons that it was hoped the station would serve all the Dominions and Colonies, but precise capabilities of the transmitter could only be determined by experiment. No contributions, so far, had been received from any territory concerned.