

WHAT is claimed to be the most advanced radio equipment ever installed on a merchant vessel was carried by the American liner "Morro Castle" on her recent maiden voyage to Havana. Beside the ordinary commercial apparatus, the equipment comprises a central receiving station of the superheterodyne type and an electric gramophone. From these music, either broadcast or from records, can be distributed simultaneously to the public rooms of the vessel.



WITH the idea of killing jazz and educating the public to appreciate fine music, a Determination of Broadcasting Company has been formed in New York. The National Broadcasting Company has amalgamated with two prominent American music publishing houses, with a combined capital of £1,320,000. These publishing houses will select the works to be broadcast by the N.B.C. Apparently listeners in America are to have their musical tastes improved, whether they like it or not.

A standard ship's wireless installation was used, adapted for speech transmission. Sometimes gramophone records were broadcast, at other times a player-piano was used, and quite frequently local talent was called in. These first broadcasters did not face a small "milke" as they do to-day, but a much less delicate instrument was plugged into the small end of a megaphone.

AMERICAN commerce, agriculture, and navigation have greatly benefited during the past year through increased facilities for radio communication. For years the United States Weather Bureau has issued frost warnings, harvest weather warnings, warnings of cold waves, and forecasts of minimum temperatures which have been valuable to farmers and the rural populations. Now radio broadcasting makes these bulletins of even greater value, as weather reports may be dis-

seminated with greater promptness. Navigation on the inland lakes and on the ocean is made safer because of the expedition with which news of hurricanes, storms, and floods is reported. Shipping interests are aided by these same reports and air transports are able to plan schedules for days ahead with greater confidence.

IN America the Air Force is now able to transmit from an aeroplane in flight, over a distance of a hundred miles, a radio picture of a map showing the imagined enemy plan of attack. It certainly appears that the next war will be won in research laboratories.

THE International Broadcasting Union now controls 330 broadcasting stations, which supply ninety million European listeners with pro-

grammes. At a recent meeting the Union resolved to concentrate on improving reception conditions, paying particular attention to the problem of electrical interference.

WE in New Zealand are apt to be impatient at the relative weakness in volume of the Australian stations during the summer evenings with their protracted daylight. For a brief period during midsummer in both southern and northern Finland daylight continues for 24 hours. Distant radio reception on wavelengths between 200 and 550 metres is then impossible. The Finlanders during this continuous daylight period have to be content with their own 40 kilowatt station at Lahti, which operates on a wavelength of 1796 metres.

AN ingenious device known as a "radio rifle" is now being adopted by up-to-date shooting galleries in America. When a coin is inserted in the cabinet on which the rifle is mounted, an illuminated target is thrown on a wall or screen. When the trigger is pressed, an electric spark shows where a bullet would have hit.

A CAREFUL check of the likes and dislikes of subscribers to the Japanese broadcasting service is used as a basis for the type of programmes selected. Usually, letters from listeners are carefully read and tabulated, and when adopting a programme policy, they are given careful consideration. Meetings are held for the selection of suitable broadcast fare—and such men as university professors, newspaper editors, doctors, novelists and professional men in all walks of life are called in for their opinions. By such an exchange of ideas, the resulting programmes are usually well balanced, and are much appreciated.

THE wireless picture transmission service across the Atlantic has once again proved its worth in saving a bank at Berlin the sum of £12,500. According to an English daily, notification had been received from a New York banking house for presentation of a bill for this amount, and, as suspicion was aroused, a copy of the bill was wirelessly. It was found to be a forgery.

TWO Royal Air Force aviators were rescued from the wing of a damaged seaplane which overturned recently near Plymouth, an English coastal town. When the machine took off on a flight to Sweden, it was seen that one of the floats, probably struck by a heavy wave, was broken. Both the pilot and the wireless operator were evidently unaware of the mishap, and so warnings were wirelessly to them. The machine was then headed for home, and skilful piloting enabled it to be landed safely off the Plymouth coast. Unfortunately, before help arrived, heavy seas turned the plane over, leaving its occupants clinging to the wings.

# WHAT IS IT ?

## "Radio's Clearest Voice"

### A NEW RADIO

Not only NEW, but COMPLETELY DIFFERENT

Features no other set has;  
Features no other set can have

It's the Greatest Radio in All History

**DUE EARLY FEBRUARY**

Inquiries invited from dealers and distributors interested in thoroughly exploiting this line. Please address communications in the first instance to:—

**"NEW RADIO"**

Care G.P.O. Box 1490.

WELLINGTON.