

MR. AXLESWORTH, president of the National Broadcasting Company of America, predicts that within three years radio television will bring grand opera into countless American homes.

THE superheterodyne is deemed the most suitable set for train reception by the Italian railway authorities, who have installed a receiver of this type on the Milan-Venice express. Excellent results have been achieved.

A SYSTEM of wired wireless has been installed on the Virginian railways to enable communication to be made between the front and rear of the long freight trains, many of which are a mile in length.

FIFTY metres during daylight and 35 during darkness are the wavelengths chosen for the recently-erected station for the League of Nations. An emergency channel on 18 metres is also provided for. World-wide reception of this station should be possible.

H. R.H. the Duke of York, who is the "wireless" member of the Royal Family, has recently completed the construction of a two-screen-grid receiver in his workshop at 145 Piccadilly, and uses it to receive the majority of the European broadcasting stations.

WHEN a Danish manufacturer of Diesel motors was recently given an urgent order from America for a



drawing of a Diesel motor part needed for a repair he sent the drawing to London, where it was transmitted via photo-radio to New York.

THE Budapest newspaper "Voice of the People" has started a campaign to lower the cost of wireless licenses, declaring that, judged on the basis of the working man's wage, the Hungarian license is the most expensive in the world. The annual fee is 24/-, or 2½ pengos per month.

IN Greece, broadcasting is prohibited, but the Government has indicated its intention of creating a broadcasting monopoly as soon as the necessary arrangements can be made. Reception is permitted under certain restrictions to Greek citizens, but is prohibited to foreigners.

WIRELESS and flying have added so much to the work of lawyers that New York University has decided to found an American Academy of Air Law, "designed to promote academic interest in the new jurisprudence of aviation and radio."

RADIO sets have been banished from the Eastern State Penitentiary, Philadelphia, U.S.A., following a discovery that the convicts were utilising them to receive messages in code explaining how narcotics would be smuggled into the prison.

A STARTLING report is published by an English contemporary to the effect that a famous Spanish humorist, Ramon Gomez, has been permitted to install a permanent microphone at his home linked up by land line to the

nearest broadcasting station. The innovation has been arranged "so that he can intervene at pleasure during the transmissions for the purpose of throwing in a joke."

IT is announced that Sir John Reith, director-general of the British Broadcasting Company, will shortly visit the United States. An English contemporary states that he is going primarily in response to an invitation to take part in an educational conference—a pleasing compliment to the British broadcasting service.

STATISTICS taken on April 30, 1931, show an increase of 12 per cent. in radio licenses in Germany over a period of twelve months, and it is now estimated that a quarter of the total population of the country are wireless enthusiasts.

DENMARK appears to be the latest country to become "pirate conscious." The police are co-operating with the Post Office authorities in a wholesale onslaught on the unlicensed fraternity. Delinquents are liable not only to a fine of from £2 to £26, but to the confiscation of all radio apparatus.

THE wireless amateur movement in Poland is growing rapidly, and a number of radio organisations have lately come into being. The importance of a knowledge of wireless in general, and of a wider appreciation of broadcasting in particular, is recognised. It has, therefore, been decided to foster this knowledge in the Polish youth, and, in order that their studies and experiments may be co-ordinated, arrangements are being made to found school radio clubs.

THE Soviet Government have definitely approved the construction of six new stations which are to serve the Far East. Some will be completed next year, and it is said they will be strong enough to be heard in India and Africa, and that they will broadcast chiefly programmes in Oriental languages.

A COMPANY has been formed in France with the title of "Television-Baird-Nathan." The objects of the company are to exploit the invention and patents of the Baird Television in France, Belgium, Luxembourg, and in the French and Belgian colonies. It is expected that as an outcome of the formation of this company further facilities for television experiments in these countries will shortly be available.

HOW microphone technique must differ with different types of instruments is the subject of lessons now included in the radio speaking course at Illinois University conducted by Prof. W. P. Sandford. The professor illustrates the technique necessary with the carbon "mike," and contrasts it with the methods required when a condenser microphone is used, the lecture being followed by speaking drill with both types. Professor Sandford insists on the maintenance of a relaxed throat so as to produce smooth, sustained tones when addressing the microphone. Abrupt and explosive utterances must be avoided, while breath control is required to sustain the tone.

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