

Radio Round the World

IT is interesting to note that there are two stations in United States now broadcasting television, but results cannot be depended on. Television is now where radio was prior to 1920.

STRANGE as it may seem, there are many deaf persons to whom radio is audible. In fact ear specialists have even prescribed four or five-valve sets as a cure for deafness. This can be understood when one realises that a three-valve set amplifies vibration 15,000 times a second.

IN America 125,000 persons are employed by radio.

IN many ways the short wave bands will always be unsuitable for general broadcasting. For instance, there are times during which a station broadcasting on a certain short wavelength could not be received by any receiving station nearer than 600 miles. This would necessitate varying wavelengths which would naturally cause much annoyance to listeners-in.

THOSE who picture the North American Indian as a wandering, unlearned hunter of the plains, would be surprised to learn that a member of one tribe in South Dakota, houses in his tepee a \$45 radio set. He is a well-educated chief, a master mason, and owner of an 800-acre wheat ranch.

SHORT wave coils built into a vacuum tube and mounted on a standard UX basis are among the latest radio novelties appearing on the American market.

THE terms "antenna" and "aerial" do not have the same meaning, although usually applied to the one and same piece of apparatus. The term "aerial" refers to the air—certainly the broadcasting stations use aerials, so do most receiving stations, but these latter are not without exception. One hears of "loop aerials," and "underground aerials." Strictly speaking, these latter are not aerials as they do not project high into the air. The American has applied the general term "antenna" to any apparatus for receiving signals transmitted from the broadcasting stations' aerials. Thus it is more exacting to speak of aerial antennae, loop antennae, and ground antennae. This distinction is worth bearing in mind when reading American wireless publications.

CHICAGO has the reputation of being the centre of the world's most congested radio district, there being nearly 220 active broadcasting stations in the vicinity.

A DISCOLOURED ebonite panel can often be made to look like new by the application of a little lubricating oil rubbed in with the finger-tips and polished with a soft duster.

THE old story of the thoughtless boy who threw stones into the frog-pond is not without modern applica-

tion, especially where loudspeakers are concerned. It is possible to get tremendous power on a loudspeaker from a local station. If you wish for quieter reception, control your output, don't put the speaker on the window-sill so that the unwanted volume may float out on the still night air. A grand finale played at "10 p.m., studio time" by a full band, received at full strength on several valves, and put through a powerful speaker, would probably not be welcomed by a sufferer just dosing, or by the mother (perhaps the father) of a young waking baby. Make radio a joy not a torment, and think before the loud-speaker goes on the window-sill.

THE most satisfactory method of volume control is to use a high resistance potentiometer instead of a grid leak, the grid connection being made to the slider of the potentiometer.

IT is reported that 2000 neon valves, an essential of television, were sold in New England (U.S.A.) within two weeks of the first broadcast of television from a suburb of Boston.

WHEN constructing a set it is a good idea to keep handy a voltmeter or electric torch bulbs. With these the voltage on each point, or if bulbs only are available, on the filament points of the valve base can be checked before the valve is inserted. While the voltage on the valve filament and of the average torch bulb are about the same, there is a difference in price.

BROADCAST in Scotland is being designed to supplement work in the school classrooms. This takes the form of a series of special demonstration transmissions for the benefit of teachers attending the Summer School at St. Andrews.

TALKS on interesting geographical and social subjects have been arranged by the British Broadcasting Corporation. One of the latest talks was "Women's Life in New Zealand," specially addressed to the young would-be immigrant.

IF such a thing as "wired wireless" can exist, then it exists in America. The system is really quite simple. It consists in attaching a radio transmitter to the telephone lines and sending signals per this medium through the country. On account of the high frequency of the radio signals, they do not interfere with the ordinary use of the telephone. This system is gaining ground in several parts of the world, but that it can be merely supplementary to existing systems is obvious.

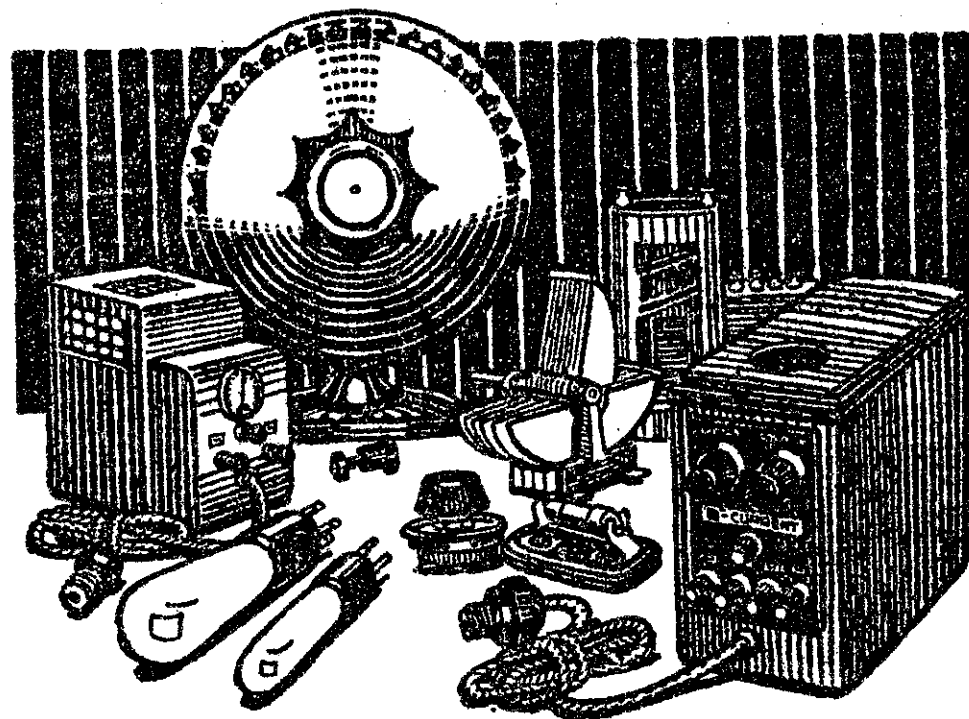
AN ultra sensitive seismograph (instrument for recording earthquakes), operated by radio, has been devised. As it is able to measure a displacement of condenser plates as minute as four-billionths of an inch great things are expected in the way

of recording and predicting earthquakes. in walls are easily made, but not so easily filled. Holes, especially in outside walls, do not improve the value of a house.

A POINT worth remembering in installing a radio set is that holes of a house.

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