

Interesting Tests

MR. R. L. Jones writes:—2ME, Sunday, August 4, G.M.T. (Amalgamated Wireless, Australasia, Ltd.), provided shortwave listeners with some interesting tests, when testing with GHB (England), on 28.5 metres. The actual tests being given as from 1800 to 2100 G.M.T. The station was to resume again next day at the same time. Many are the vagaries of the atmospherical conditions, and Sunday, August 4, was no exception to the rule, and there is not the slightest doubt that local interference was to some extent responsible for intermittent bubbling, in reception, and slight fading.

KDKA was not up to usual strength, and clarity during the afternoon. Even

spectacular games ever seen in Sydney.

No doubt many shortwave listeners would perhaps tune in 2ME, and not hearing a voice or music, think the station was not on the air; but the 1000-cycle note will in future act as a guide to listeners.

It is a fact that when such stations (on shortwave) as WGY, and KDKA (America) are received "off colour" in Wellington, one can generally expect trouble with other stations from overseas, and invariably a keen listener, who is used to working certain stations on familiar wave-lengths, can foretell what we are likely to get in and around Wellington.

Last Sunday, August 4, KDKA (Pittsburg) on shortwave, broadcast some old-time songs which were very enjoyable indeed. They included

PHI Now on the Air

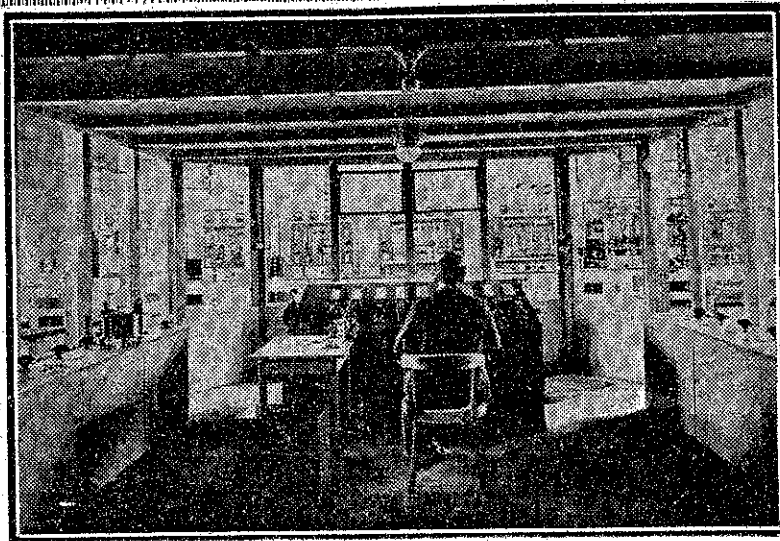
World's Largest Short-Wave Station

SHORT-wave set owners all over the world have reported excellent reception of signals from PHI, the new short-wave broadcasting station, owned and operated by Philips Radio, at Huizen, Holland.

PHI is now the largest station of its kind in the world, and although essentially a short-wave station, it is built to the design of a typical long-wave station, and embodies all the

the picture, the city was controlled by one man, who, seated at a huge desk, had at his finger-tips the buttons, switches, dials, etc., with which he could control all heating, lighting, time and power in the city.

The resemblance of this fancied man of the future and his apparatus to the accompanying photograph of the controller of PHI is remarkable, as not only is the apparatus similar, but



The controller at PHI has the entire station at his finger-tips. Without leaving his seat he can read all the instruments, while with the small receiving set on the table he can check the outgoing transmission.

with the excellent transmitter and power 100,000 watts, 2ME (Sydney), had to force its message through troubled ether; but the interference was not so noticeable as with many broadcast stations, probably owing to the penetration power of that very fine station, 2ME.

The tests were taken in sections, first a 1000-cycle modulation, and then reading; the latter proving of great interest to listeners, the Sunday papers providing news of the day, including latest racing, football, topical news, and weather reports. One particular Rugby Union match was stated to have provided one of the greatest thrills and

"Asleep In the Deep," "Rosy O'Grady," "After the Ball," and "A Bicycle Made For Two."

KDKA was unable to pick up the reply message in Morse from Commander Byrd satisfactorily, and the station signed off at about 4.14 p.m. (New Zealand time).

Commander Byrd and party must feel a keen sense of appreciation for the wonderful work being done by the General Electric Coy., New York, also the Westinghouse Coy., Pittsburg.

Many of the message broadcast from both KDKA and WGY on alternate Saturdays (Sundays here), are of a very private character.

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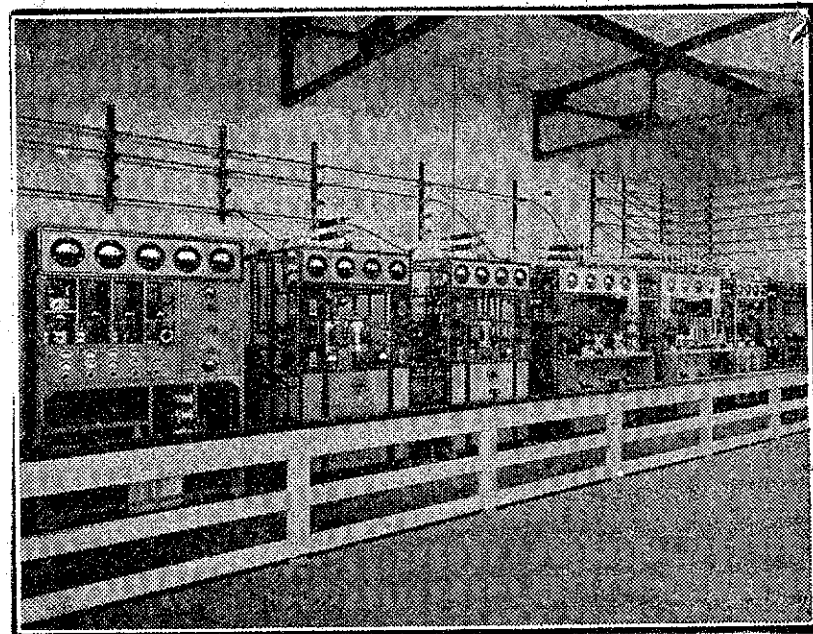
The STEINITE, with its enthralling tone quality, selectivity and distance-getting. CROSLEY, the Radio Set with the big reputation.

PHILIPS Q.P. Receiver. "Plug in and it plays."

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A view of the transmitter at PHI, the new short-wave broadcasting station owned and operated by Philips Radio. To ensure safety for the operators, the valve heating controls are mounted on the railing in the foreground, making it unnecessary for any person to approach too closely to the transmitter when in operation.

most simplified and centralised methods of operation. at PHI the entire station is controlled by one man.

Picture-goers will remember a sensational movie which was released some time ago, depicting the city of high frequency energy of 40 kilowatts, Metropolis in the 21st century. In or when necessary 60 kilowatts.

Questions and Answers Wireless for Ships

(Continued from page 27.)

Wiring a Crystal Set.

"R. R.P." (Christchurch): Can you tell me the best wire to use for: (1) To wire a crystal set?

A.: 18 gauge square busbar makes the neatest job, but any insulated wire of gauge not finer than 24 will be suitable.

(2) What is the best size to make a coil?

A.: 18, 20 or 22 wire, D.C.C., unsheathed. This may be used for wiring the set also.

Charging Problems.

WHEAT is the maximum number of "B" battery blocks, each 20 volts, I can charge at one time with a Tungar Charger? asks R. R. Reader (Rotorua).

THE International Conference on

Safety of Life at Sea, which was held recently in London, has brought under the convention, all ships engaged in international voyages except ships of less than 1600 tons gross, and subject to the right of each administration to postpone the application of the requirements to ships between 1600 and 2000 tons, ships are to carry an efficient wireless installation and a qualified operator.

A.: Charge four blocks in series.

2. What kind of lamp should I insert when charging the "B's"?

A.: 105 volts, 60 watts, metal filament household electric lamp.