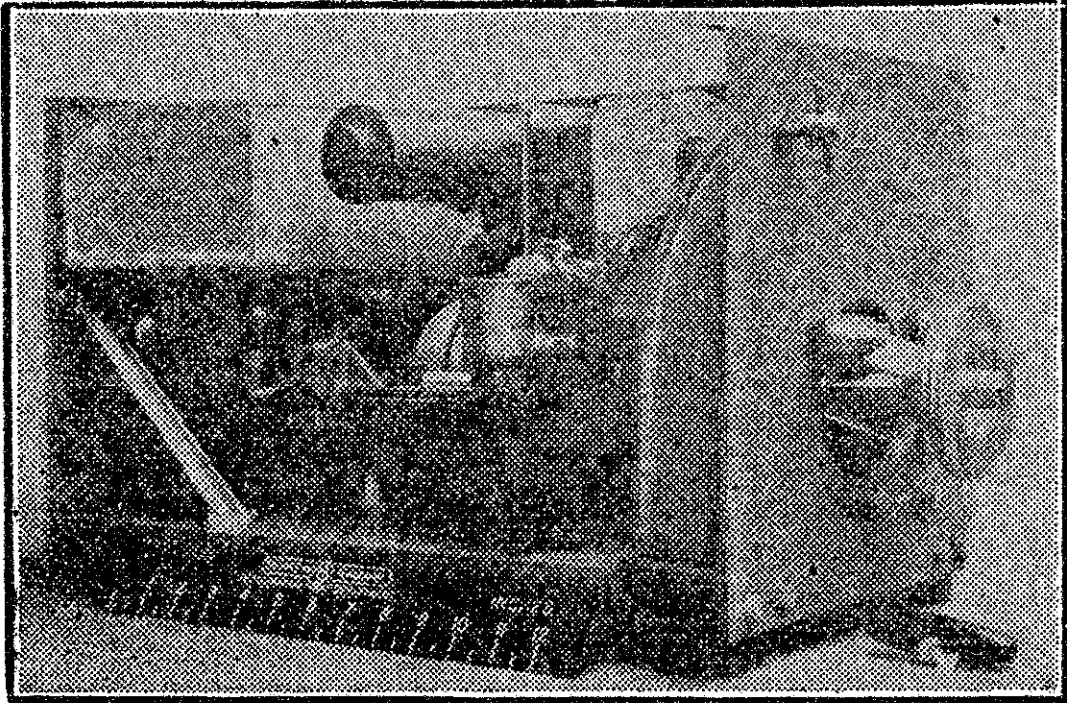


ranged schedules with their wives and are able to have radio conversations with them in San Francisco, Chicago, Washington, and New York. Some of the unmarried among us view such facility of communication with mixed feeling."

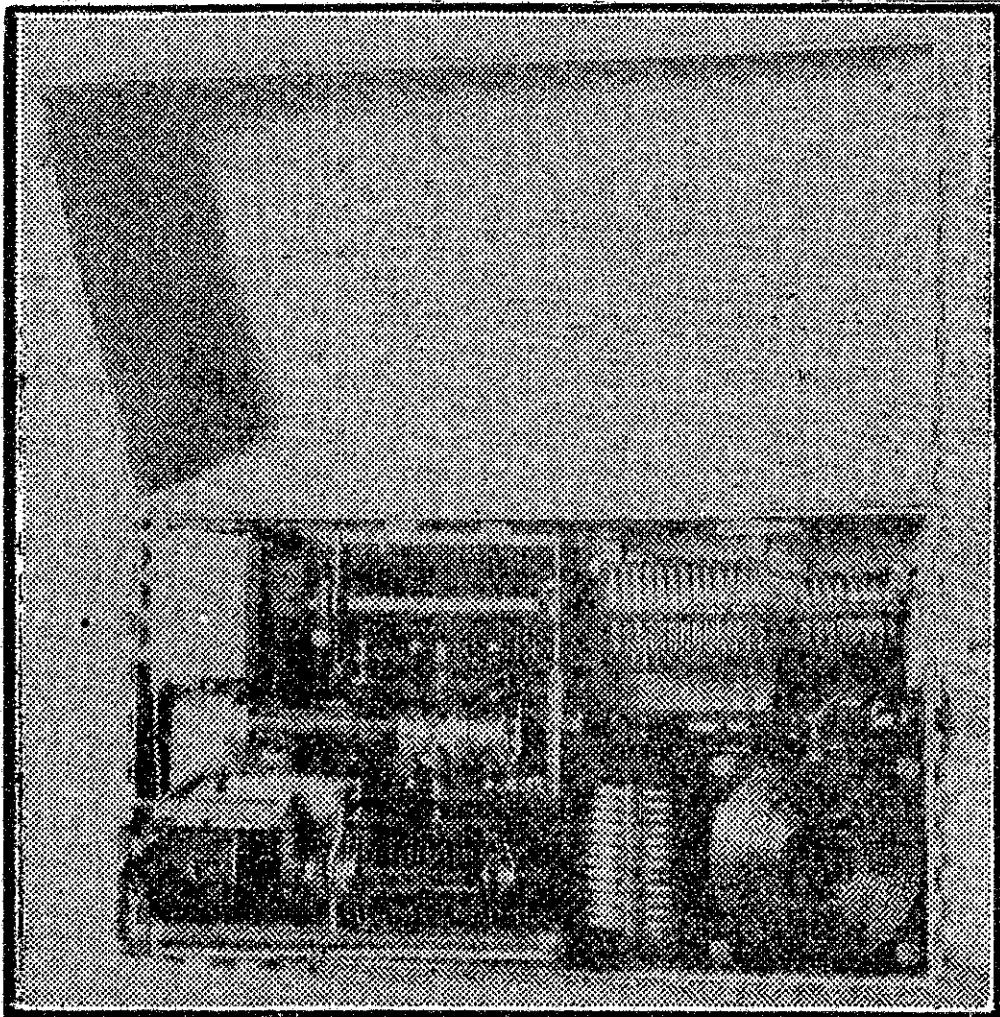
Expressing gratitude for the arrangements made for a weekly broad-

main I am sure that we have anticipated our almost every need, thanks to the loyal work of the entire personnel of the expedition. One of the principal reasons for the great care of preparation has been for the safety of my shipmates. That is the best way to show my deep appreciation of the sacrifices their families have made



Motor Generator Unit, driven by single cylinder two-cycle gasoline engine.

cast from KDKA, Commander Byrd in making it possible for them to join telegraphed to the Westinghouse Company before leaving San Pedro: "In initiating this weekly broadcast of messages from families and friends at home I am reminded of the unusual success that the Westinghouse Company has met with in getting through our expedition." Thus, although the shore party of the expedition on the Ice Barrier will spend more than a year 2300 miles south of New Zealand, their radio equipment will enable them not only to keep the world informed of their



Interior of Airplane Transmitter.

similar programmes to polar expeditions in the Arctic regions. This lends a feeling of confidence that we may look for results equally as good in the Antarctic. . . . It is almost unreasonable to expect that we have not made a few mistakes, but in the adventures but also to keep in touch with their families and friends in their homes in America 10,000 miles away. That will do much to destroy the feeling of isolation and loneliness that has pervaded previous Antarctic ventures.

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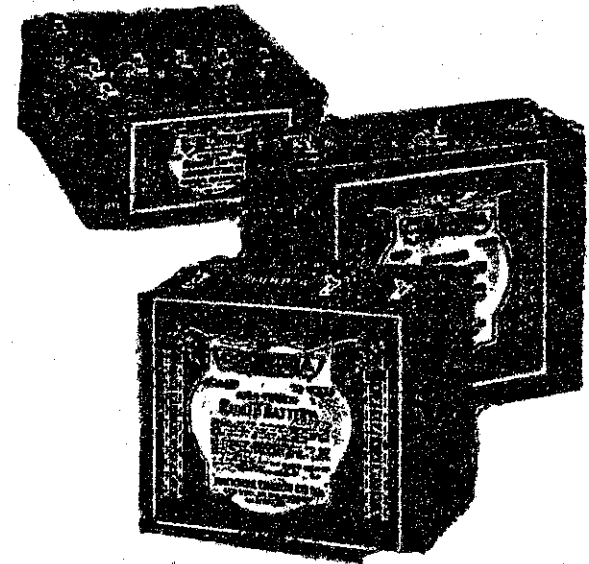
THE Marconi Company has just received the British Broadcasting Corporation's order for the supply of two high-power broadcasting transmitters having an unmodulated aerial energy of 50 k.w.

These stations will be erected at Potter's Bar, near London, in pursuance of the British Broadcasting Corporation's scheme for covering the whole of Great Britain with a smaller number of broadcasting stations of a higher power than those at present in use.

THE German Post Office (says the Berlin correspondent of the London "Times") is erecting a high-power, short-wave transmitter at Konigswhartenhausen, from where it will commence

broadcasting a world programme in February, disseminating German culture and promoting international understanding.

THE Bell Telephone Laboratories demonstrated on July 12 a new photoelectric cell which is considerably more sensitive than any similar device so far shown publicly. The original television transmitter and receiver, demonstrated over a year ago, were used in the newer demonstration and by application of the more sensitive photoelectric cell, a full size figure in motion was successfully televised. The new cell greatly increases the range of vision of the eye of television and places, and places even greater emphasis on the still unsolved problem of conserving the frequency or channel space required to transmit a television image of sufficient detail to have real entertainment value.



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