

# LETTERS FROM LISTENERS

(continued from page 5)

## THE ROLE OF SCIENCE

Sir,—At present the people of Europe need urgently to have their stomachs filled and roofs over their heads. This can hardly be done by some vague idealism, called "spirit in science," by Professor Polanyi (*Listener*, February 22).

Separating science from immediate needs is greatly responsible for the present mess in which the world finds itself. Scientists remained shut away in their laboratories and did their research without regard to its immediate application. The latter was done by business men, political power groups and scientific workers in their pay. New types of weapons of destruction were thus developed. The fruits of the research were no longer the property of the scientific worker, but of vested interest.

If science does not concern itself with the immediate needs of the people of the world, both material and spiritual (with spiritual needs, I mean needs of the mind, not religious or philosophical idealism), it has no right to exist. This does not mean that there should not be a certain amount of pure research, for, pure science may in the end lead to important practical results.

Scientific workers should get together to make plans, in which research should be given priority, to serve the physical and spiritual needs of the people of the world. And then they, the scientific workers alone, should have complete control over the eventual use of their findings.—SCIENTIFIC WORKER (Wellington).

## RELIGIOUS BROADCASTS FOR THE MAORI

Sir,—A weekly broadcast in Maori is made of the world's news. How much more necessary it is that more religious broadcasts should be made in the Maori language. The Council of Churches or whoever is responsible for this lack, needs to wake up to the spiritual needs of our Maori people. The specious argument is sometime put out that, as most Maoris know the pakeha language a broadcast in Maori is not required. This style of reasoning overlooks the fact that there are still many Maoris who do not fully understand pakeha talk. Services in their own tongue would have a much greater appeal to our Maori people. Truly "How shall they believe in Him, of whom they have not heard."

A. P. GODBER (Heretaunga).

"1946"

Sir,—I am afraid both your correspondents have misread 1946 cover. At first I thought it dealt with the declining birth-rate—a neuter cat, an emasculated family, a mule canary in a cage and what you will from the radio. But on reading the side pictures I have come to the conclusion that the picture represents the security of the family (I think the artist should have made a family while he was at it: two adults and two small children could hardly be called a family) as long as jugglers of high finance can disagree among themselves.—CHESSY (Dunedin).

## COLUMBUS International MODEL 90

# Calibrated Spreading of Shortwave Bands *a simple method of shortwave tuning*

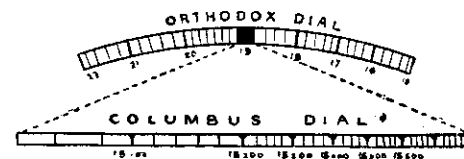
IN its broadest sense, calibrated bandspreading denotes a technique of radio design whereby a shortwave reception band is greatly expanded and the dial of the radio is precisely graduated into divisions corresponding to transmitter frequencies.

As a result of this technique of design, two very substantial improvements are effected in the shortwave operation of Columbus Model 90.

1. Since the shortwave bands on the dial of Model 90 are expanded to close on 6 inches (on the orthodox radio the same bands average about  $\frac{1}{4}$  inch), it has been possible to print on the shortwave dial the exact position of transmitter frequencies. Thus, if a station is heard at 9500 on the Columbus calibrated dial, that station must be XEWW, Mexico City, because there is no other station transmitting on 9500 kilocycles. Consequently the Model 90 makes it possible for anyone to select or identify shortwave stations by direct dial reading and checking against a station list. Everyone has long been accustomed to doing that with broadcast stations, but this is the first time that the same procedure has been possible with shortwave listening.

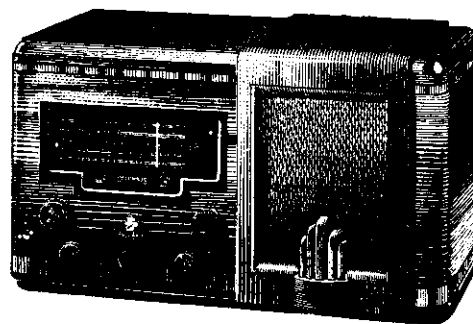
2. The band expansion has the effect of eliminating "hair-breadth" tuning of shortwave stations—the deficiency which is so vexatious in orthodox radios. It stands to reason that if a shortwave band is expanded to over 20 times its conventional length, the tuning of any station on that band will be just 20 times easier. And so it is with Model 90. The exasperating fiddling that is necessary with orthodox radio tuning of shortwave is transformed with Model 90 to easy, full-handed tuning that brings in shortwave programmes just as simply as 1YA, 2YA or any other local New Zealand station.

Next Week: DISCRIMINATORY TONE CONTROL—a statement of new Columbus development.



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# COLUMBUS RADIO



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