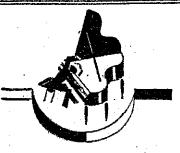
Between



ustralia and

Ltaly

There are hundreds of Stations worth listening to, but owing to the time factor making tuning difficult, you must use the New WORLD MAP CONVERTER.

This neat and patented four-sheet folder, giving, simultaneously, an excellent rotary time converter, a world map in time zones, and a list of all countries with their calls and zones is indispensable to all radio listeners contacting overseas stations.

The rotary time converter, based on New Zealand time, gives world times for all other countries and indicates whether yesterday or to-morrow. The 50 world time zones are clearly indicated with special groupings for countries not on exact meridians. Post free in special tube, 1/1.

CLIP THE COUPON.

THE SECRETARY. P.O. Box 1032,

Nam

Add

WELLINGTON.

Please	forward	me in sp	ecial tub	e		
"Rad	io Record	" World	Map an	d Time	Converter,	
for w	hich I enc	lose 1/1	in Postal	Notes of	r Stamps.	
B •·*•	Co 2013 2010 4 6 6	ya ata-atara-a-	6,0 p·9 b ₁ 0 b;	4 4 4 4 4 4	ବ୍ୟ-୨ ବ୍ୟ- ୫ %€ ଶ	
'ess	#°4 €:9 €'0 €*¢	D-0-07# 0 # 67	più più die i	- G 4 + 4 D	0 + 0 + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
•		. 7				

POWERFUL STATION FOR NORWAY

Trondhjem To Have New Radio Service

As a first step in the reorganisa-tion of the Norwegian broadcasting system, which came under Govern-ment control on July 1, a new high-power broadcasting station is to be erected at Trondhjem to replace the existing low-powered station.

The order for the new station has been entrusted to Marconi's Wireless Telegraph Company, Ltd., and the equipment will be manufactured at the company's works at Chelmsford, Essex. The power of the transmitter Essex. The power of the transmitter is 20 kilowatts unmodulated aerial energy and modulation up to 100 per cent. is arranged. The transmitter will be adjustable to any wavelength between 200 and 545 metres; the working wavelength will be decided upon in accordance with the deliberations of the Lucerne Broadcasting Conference.

The design of the new transmitter will incorporate the latest developments in broadcasting technique, one of the most important of which is the "series modulation" system, developed with conspicuous success in the Mar-coni research laboratories. The appli-cation of this new method of modulation, which will also be incorporated in the new 100 kilowatt high-power broadcasting transmitter which the Marconi Company is building for the B.B.C. station at Droitwich, not only ensures a considerable simplification in transmitter design, but also provides lifelike and pure reproduction, due largely to the absence of iron-cored chokes or transformers which tend to introduce distortion. "Series modulation" ensures a high degree of linearity and a wide range of frequency response. Only one stage of modulated amplification is required, with a consequent reduction in har-monic distortion.

The Trondhjem transmitter is built

in the form of a switchboard on which are mounted all the controls. Behind the board are the transmitting valves with their attendant circuits. A valve drive which ensures a high degree of constancy, to conform with the most stringent requirements of the international regulations relating to the stabilisation of transmission frequencies, is incorporated.

The masts of the existing station will be used, but the aerial, instead of leading straight into the transmitting house, will be connected to the output stage of the transmitter by means of a two-wire high frequency feeder to convey the energy from the transmitter to the aerial. The transfer of the modulated high frequency energy will take place by means of suitable coupling circuits, located in a small feeder house situated underneath the aerial.

AN attempt is to be made in Chile to introduce national broadcasting along the lines followed in other coun-