

## Marconi launch new family of TV Transmitters

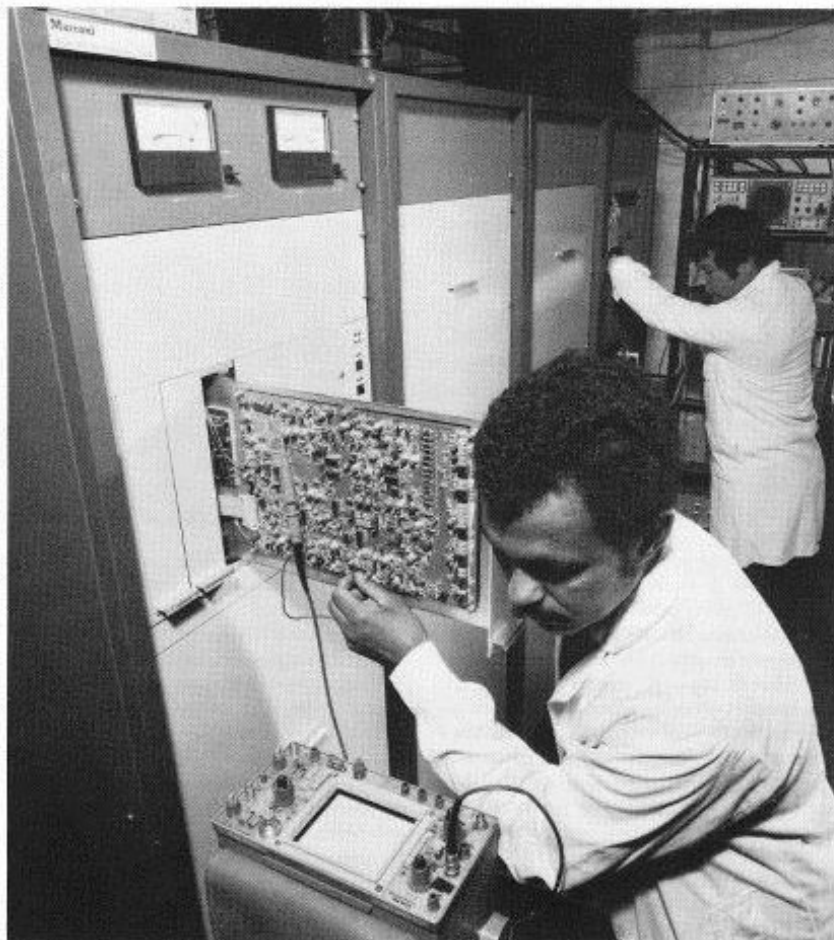
Marconi Communication Systems Ltd of Chelmsford, UK has launched a major new range of Band III television transmitters.

Known as the 7500 Series they are a family of Band III equipment, with output powers of between one and twenty-five kilowatts. All feature the much acclaimed B7500 drive unit. The smallest in the range is the B7530 1kW which, along with its 2kW brother, the B7531, is totally solid state. These two transmitters are equipped with a new design of output combiner which maximizes the efficiency of the power amplifier devices.

The B7532 5kW and B7533 10kW transmitters possess the latest in tube technologies with their brand new air-cooled tetrodes from the Philips stable. In both cases the single tube is used in the vision chain whilst solid state amplifiers are used for the vision tube drive and sound output.

The 25kW B7536 transmitter is the only one in the family to employ two tubes. An advanced technology YL1630 tetrode is used in the vision output, with a YL1610 (the B7532/33 vision tube) providing the sound. The B7532, -33 and -36 transmitters are equipped with an output combiner derived from the revolutionary Marconi 'Rotamode' design.

With the experience gained from several generations of television transmitter design, Marconi has taken the best of existing techniques and combined them with the latest circuitry and components. The result is a family of transmitters with a high degree of commonality between individual equipments. Thus spares hold-



*A B7530 transmitter undergoing test prior to delivery*

ings and support can be simplified even where different output powers are used in a network.

Operational simplicity, reliability and ease of maintenance have been major criteria in the design of the 7500 family.

The installation phase has also been

made very much easier by the self-contained design of the 7500 series which includes integral cooling fans.

The series is available in Systems B, M or N, with NTSC, SECAM or PAL colour. Additionally the B7500 drive unit can be configured for dual sound capability.

## US tie-up for Marconi Broadcasting Division

Marconi Communication Systems Ltd has appointed Comark Communications Inc. of Southwick, Mass., USA as the sole distributor for their Broadcasting Division transmitter products in the USA, Central and South America.

According to the agreement Comark will distribute Marconi u.h.f excitors, v.h.f, a.m, f.m and h.f transmitters from low power to 250kW output power. Also included under the agreement is the newly announced 7500 series of high band v.h.f television transmitters. Additionally, Comark

will provide engineering, service and spare parts support for equipment sold into the territory.

Mr. Nat Ostroff, Senior Operating Officer of Comark, stated: 'This agreement marks a new departure for our two companies and is the beginning of a long-term relationship whereby Marconi technology and products will be integrated into the Comark line.' Comark will continue to manufacture and market its own line of 'S' Series high power u.h.f transmitters. Mr. Ostroff further stated: 'This is

the first time a European manufacturer has teamed with a domestic US transmitter company to provide such a wide range of products and services to the US market.'

Mr. Dick Baker, Manager of Broadcasting Division said that 'Marconi views this agreement as a significant commitment by Marconi to the US, Central and South American markets, which I am sure will be highly beneficial to both companies.'