

Rain forest communications

Marconi Communication Systems has supplied mobile radio equipment to the Royal Geographic Society for use during a 12-month exploration of the Macara rain forest in Brazil.

The project is organized jointly by the Society and SEMA, the Brazilian Department of the Environment. Forty British scientists of various disciplines will make a thorough study

of a small island in an Amazon headwater formed by the splitting and rejoining of the river and will spend a year studying flora, fauna, forest regeneration, soils, hydrology, entomology and land development.

Marconi equipment will be used for short-distance communication and will comprise three RC516 v.h.f, f.m hand-portable radios, durable, weather-resistant units

which were designed for use in high humidity, and an RC627 v.h.f, f.m mobile radio which is rugged in construction and can be mounted in a vehicle.



The RC627 v.h.f, f.m mobile radio



The RC516 v.h.f, f.m radio

Latest mobile radio for West Midlands Ambulance

Marconi Mobile Radio has completed a contract to supply and install its latest mobile radio equipment in 98 of the front-line ambulances in the West Midlands Ambulance Service.

The RC640 is a trunk mounted v.h.f f.m mobile radio which incorporates microprocessor control from an external control head. It can be programmed to operate in single or dual frequency simplex modes, or in full duplex mode. Marconi's mobile radio provides two-way communication between a vehicle and the ambulance control centre on a selected channel. The equipment also features a hand-portable mode which enables an ambulance man to communicate with his crew in the ambulance from a building, where he may be attending to an injured person. The ability to communicate in this manner saves time and could save lives. When this equipment is being used in this way, the radio monitors the control channel at the same time so that messages from the control centre can be heard while the mobile is scanning the handportable channel for a minimal period. When a message from a handportable is detected, the radio locks on to its frequency for the duration of the message.



Hull Telephone Company

buys Mini-ACE

Marconi Communication Systems has been awarded a significant contract by Hull Telephone Company to supply and install automatic cross-connection equipment (ACE).

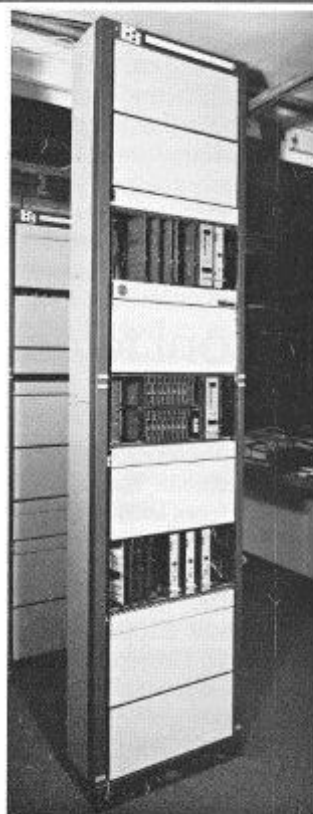
The equipment to be supplied, Marconi's Mini-ACE, will replace existing hard-wired cross connections. It will provide a digital leased line service to subscribers in the Hull area and cater for the expected increase in demand in the next few years.

Mini-ACE is a single-rack configured version of the Marconi ACE which has been sold to PTT authorities around the world. It is an economical implementation for applications with less than 32 ports, which retains all the

security aspects of ACE. Mini-ACE provides responsive control and supervision of digital data networks. The digital cross-connect switch allows individual timeslots (user channels) to be configured on a semi-permanent basis from local or remote terminals, thereby allowing the customer to provide a more flexible service to its subscribers.

Marconi expects to commence installation of the equipment in April 1987.

Mini-ACE equipment rack with covers removed to show equipment shelves

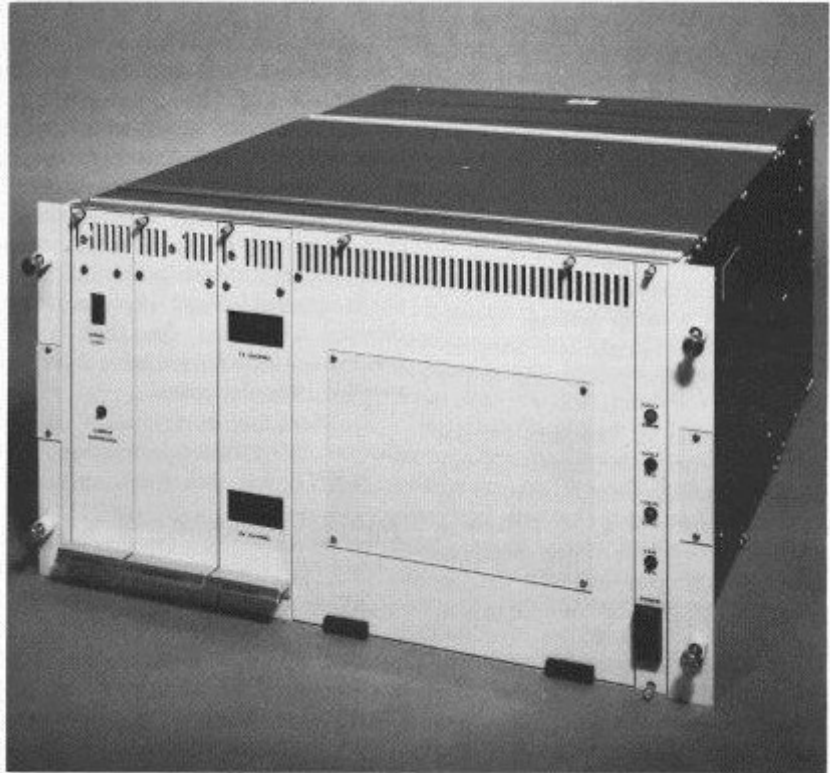


INTELSAT buys Marconi modems

Intelsat has purchased modem equipment valued at more than £60k from Marconi Communication Systems for use in its simulation lab facility in the US.

Equipment to be supplied comprises a set of P3800 modems, coding and framing, that meets Intermediate Data Rate (IDR) and International Business Services (IBS) performance characteristics. It will cater for data rates from 64kbit/s (IDR) to 1.536Mbit/s (IBS). The data rate or application is easily changeable in the field by replacement cards.

This order reflects the advanced state of the Marconi P3800 modems for satellite business systems currently in service worldwide.



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