

# Broadcasting Service to Operators

## Planning

A planning and consultative service is provided by the Applications Engineering Department of Broadcasting Division. The accumulation of years of experience covers a wide and varied range of television and broadcasting installations throughout the world, ranging from small commercial stations, where every economy in cost and manpower must be made, to large network—originating stations where efficiency and reliability are of paramount importance. It also includes national systems where problems of terrain and staffing present their own difficulties.

Besides its main purpose of supplying the equipment designed to meet a customer's full requirements, the Company has the means, staff and experience to carry out:

- (a) Surveys of propagation conditions and field-strength predictions.
- (b) Transmitter planning services.
- (c) Studio and outside-broadcast planning services.
- (d) Architectural and building operations.
- (e) Installation services.
- (f) Operational advice.
- (g) Training and recruitment of staff.
- (h) Provision of temporary staff.
- (i) Hire services.
- (k) Maintenance services.

Without obligation, Marconi engineers will gladly examine customers' particular problems and make their recommendations.

The Company's standard designs are, of course, used wherever possible. Where no standard equipment exists, further investigations will gladly be made with a view to producing custom-built equipment.

## Training

The Marconi College in Chelmsford, England, is unique in providing first-class residential and training facilities in a single establishment. It is the original wireless training college, founded by Marconi Company.

Whilst the majority of the students are still the Company's own graduate engineers and apprentices, it has been the practice for many years for governments and public bodies, as well as other customers of the Marconi Company, to nominate engineers for training at the College. These students receive a thorough training, comparable

with that given to the Company's own engineers, or training on specific equipment.

The training courses concentrate on developing the ability of the student to appreciate in detail the performance, design and measuring techniques in the particular circuits and systems.

The College can train from eighty to a hundred students at a time.

## Operational Services

The Company has available a wide range of equipment for short-term hire, and in addition a substantial operating staff is maintained. They are regularly employed for broadcasting and closed-circuit work. Some recent engagements illustrate a wide range of operations which can be undertaken:

- (a) Television outside-broadcasts where additional facilities are required by the Authority.
- (b) Programme provision for exhibitions.
- (c) Closed-circuit colour programmes for medical and other conventions.
- (d) Large-screen television for 'one-to-one' meetings.
- (e) Underwater search and salvage work.
- (f) Advertising shows.
- (g) Inauguration of television stations before local staff have been trained.
- (h) Reinforcement of regular broadcasting station staff and facilities during periods of activity or equipment change-over.
- (j) Industrial closed-circuit tests and investigations.

B1247



*The Television Outside Broadcast Vehicle used by Marconi Operational Services Group*

## After Sales Service

The Marconi Company does not believe its responsibility ends once equipment has been delivered to the customer, or when the guarantee period has expired.

To ensure that the maximum use is derived from Marconi equipment, after-service engineers regularly visit broadcasting installations. Changes and improvements that are made as a result of operating experience are circulated by means of unit modification notices.

This service is free, but does not involve the supply of any material that may be required.