



Television Planning, Training and Operational Services

PLANNING

THE MARCONI COMPANY has accumulated a very wide and varied experience in the planning of television systems throughout the world. These range 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. They include national systems where problems of terrain and staffing present their own difficulties.

In addition to 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.
- (b) Field-strength predictions and surveys.
- (c) Transmitter planning services.
- (d) Studio and outside-broadcast planning services.
- (e) Architectural and building operations.
- (f) Installation services.
- (g) Operational advice.
- (h) Training and recruitment of staff.
- (j) Provision of temporary staff.
- (k) Hire services.
- (l) 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

Marconi College in Chelmsford is unique in providing first-class residential and training facilities in a single establishment. It is the original wireless training college, founded by Marconi himself in 1901 as an integral part of the 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 dominion, colonial and foreign 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 to that given to the Company's own engineers, or training on specific equipments.

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 both broadcasting and closed-circuit work, and some recent engagements illustrate the wide range of operations which can be undertaken:

- (a) Television outside-broadcasts when 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 'overflow' meetings.
- (e) Underwater search and salvage work.
- (f) Advertising shows.
- (g) Inauguration of television services before local staff have been trained.
- (h) Reinforcement of regular broadcasting station staff and facilities during special periods of activity or equipment change-over.
- (j) Industrial closed-circuit tests and investigations.

Marconi

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