

Telephone Equipment for the “Canberra” and “Oriana”

The G.E.C. has supplied telephone equipment for both the new P and O liners, the 42 000 ton Oriana and the 45 000 ton Canberra. In each liner, two telephone exchanges have been provided, a manual exchange for passenger service and an automatic exchange for use by the crew. Telephones have been provided for each exchange.



Fig. 1.—“Canberra”

“Canberra”

The two position manual board on the *Canberra* is equipped for 540 extensions, while the automatic exchange has 200 extensions. Twenty tie lines allow the operators on the manual board to gain access to the automatic exchange. In practice, the tie lines are wired direct to the final selectors, ten lines to one group of a hundred extensions and ten lines to the other group of a hundred extensions. Ten tie lines are provided to allow extensions on the automatic exchange to call the manual board.

A special wall telephone was designed for this ship and is associated in a common fitting with the broadcast service, etc. (see Fig. 6).

Conventional table telephones are also used in the appropriate locations. Thirty-nine corridor line boxes provide a light signal to the stewards when cabin service is required. Provision is made for up to twenty shore lines to be connected to the manual board when the ship is in port, and up to ten lines to be connected to the radio cabin while at sea.



Fig. 2 (left).—
Two-position
manual
switchboard on
“Canberra”



Fig. 3 (right).—
Wall-mounting
telephone
designed for
“Oriana”



Fig. 4 (left).—
Wall-mounting
telephone
designed for
“Canberra”



Fig. 5 (above).—Cabin on
“Oriana”



Fig. 6 (left).—Telephone
installed in cabin on
“Canberra”



Fig. 7.—Steward using pantry key box on “Oriana”



Fig. 8.—Automatic telephone exchange on “Oriana”

Two 15-amp float chargers and a 170 A.H. battery provide the power for the two exchanges. Other equipments supplied include terminal boxes, cables, tools, spare parts and drawings.

“Oriana”

The passengers on board the *Oriana* are served by a 500-line 2-position switchboard and the crew by an automatic exchange having a capacity of 150 lines. Three bothway tie lines provide the interconnexions between the automatic and manual exchanges. Twelve shore lines are provided for when the ship is in port.

A special wall telephone is used in this liner, and conventional table instruments are used as appropriate. Twenty-seven corridor boxes are provided to give a

visible signal in the corridors when the steward is wanted. Seven pantry key boxes are also installed to allow one steward to look after the room service in several corridors during quiet periods. The key boxes handle calls to two, three, four or six corridors.

The power supply for the two exchanges consists of a 140A.H. battery and two 10-amp float chargers. Other equipment supplied includes distribution boxes, cable, tools, spare parts and drawings.

Other Equipment

In addition to the telephones installations, the G.E.C. has provided large quantities of lighting equipment for these two liners, together with other electrical equipment.