



The new air traffic control tower at Kuwait International Airport now nearing completion

Kuwait's new airport



The S264 radar has been installed at Kuwait's new International Airport and is now being used to control aircraft arrivals and departures. This is the completion of phase I of the Marconi air traffic control system there.

At the end of the flight trials, the Minister of Public Works inaugurated the system by setting the radar aerial in motion and took great interest in the operation of the system, for it is the Kuwait Government's policy that the airport should be fully equipped for the safe handling of all types of aircraft.

The Marconi flight calibration team, 'Mac' McKenzie and Alan Cheesewright of Systems Group, Radar Division, with Neville Vincent of Mathematics Group, Baddow, flew out in a Viscount specially chartered from B.U.A. for the trials.

This machine flew eight hours a day, and it took

Setting out on analysis tests of the airport area. Left to right, Alan Cheesewright, Systems Group, Radar Division; Neville Vincent, Mathematics Group, Baddow; and Douggie Howlett, of Installation Group, Radar Division



A VC10 taking off from Kuwait Airport. The concrete strip runs out into the vast desert

a fortnight to fly on all the necessary approach bearings and to complete the tests for the data picture of the radar coverage.

While flying was in progress a film was made of the display so that one exposure was made during each revolution of the timebase as it passed through the aircraft.

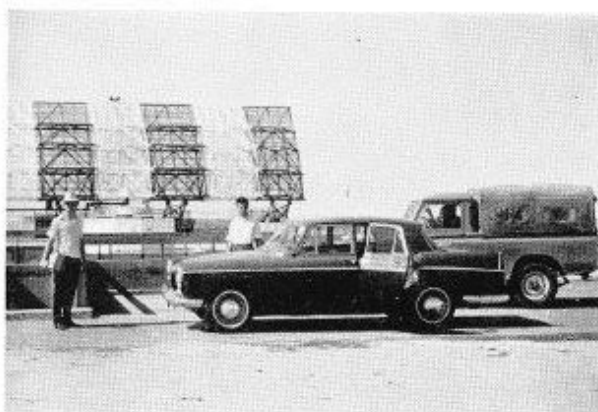
All the preparatory work for these trials had been done by Ken Smith, Supervisor, of M. F. Burrage's installation team.

The trials team also carried out a soil analysis of the area, for the concentration of the surveillance radar beam is affected by the reflective properties

of the soil, and this test will assist the accurate prediction of radar performance.

Derek Oswald is now the resident Marconi engineer. He will maintain the radar equipment for a year and train the Kuwaiti technicians.

At present the S264 surveillance radar is working to a moving coil display system in the original airport control tower. When phase 2 of the project is complete the new tower will come into operation with the surveillance radar, the height finder, the fixed coil display, together with the automatic direction finding equipment and the instrument landing system.



The S264 aerial and the entrance to the transmitter room. On the left is Neville Vincent, with Alan Cheesewright and Marconi transport [Four photos by W. E. McKenzie]

LEFT: The Minister of Public Works, Mr. Khaled Issa Al Saleh drove out to the surveillance aerial beyond the runway to inaugurate the system and set it in operation. Here he is, centre, with dark galibia, watching the aerial rotating after going down to the transmitter room beneath it