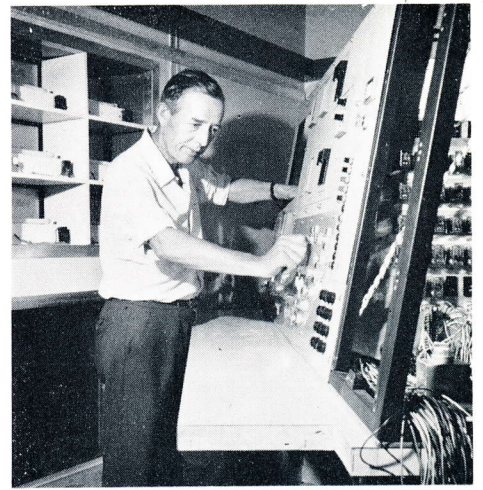


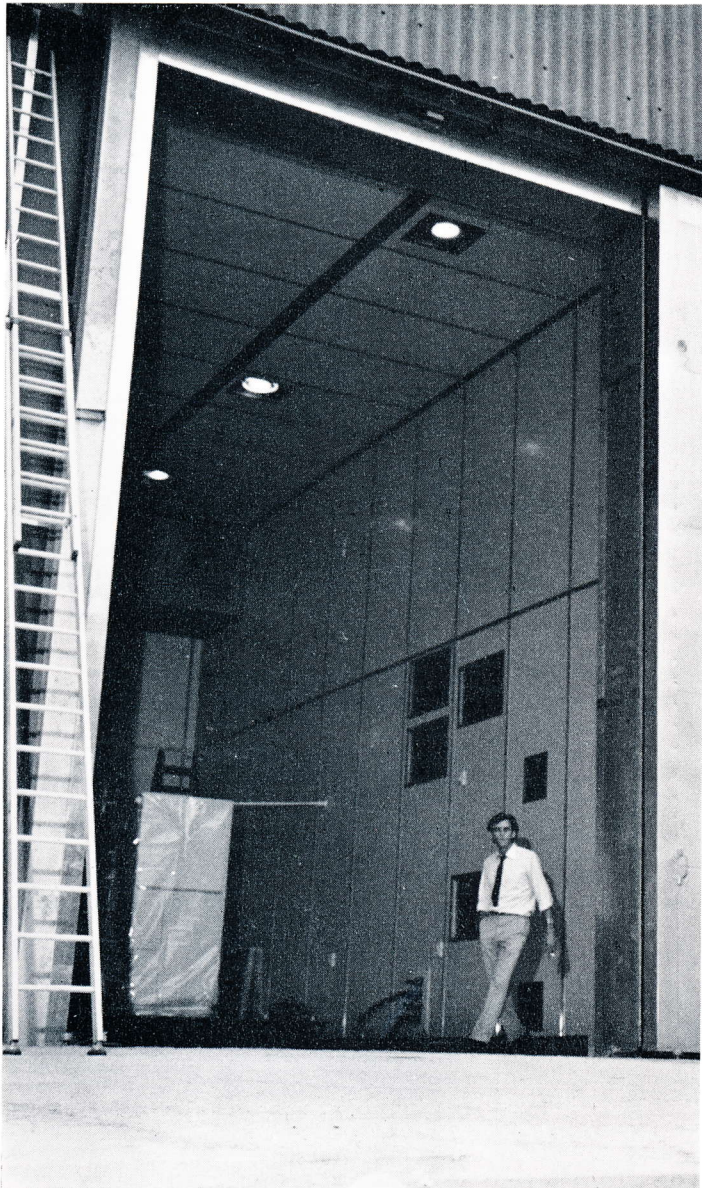
Echo

The internal newspaper of Marconi Radar Systems and its people



Marconi Radar more efficient, effective and competitive

Below: This huge radar climatic test chamber is being built at Crompton Works. It will completely house new radars, we are building, for tests in all weathers—driving rain, salt spray, arctic ice, equatorial sun and humidity. Top right: J. D. Brazendale, Chief of Environmental Group, looks at the new control board which will automatically operate a series of tests.



Preparations for new projects

The pictures on this page, showing our enormous new environmental test house nearing completion, are just an indication of the vast capital expenditure, already approaching the million pound mark, which we are putting into Marconi Radar Systems Limited to extend its capability, make it more efficient and effective, and above all more competitive.

The cutback in work brought about by the redistribution of load from divisions outside Marconi Radar Systems, we have continued to modernize the plant, and this policy is likely to pay off in the near future, as we foresee a rising load of work for Bill Quay.

At Chelmsford, the problem was even more acute—the Company took over the old Crompton Parkinson works about five years ago, as the only way in which expansion could take place in the Chelmsford area; we knew that the buildings were in a poor state and that a great deal of work was necessary to make them suitable even to begin re-equipment as offices, laboratories, factory and stores.

At Leicester

At Leicester, in the Blackbird Road factory we have implemented a continuous programme of modernization and re-equipment over the last four years which will continue into the future. Many modern machine tools have been installed, the material handling and storekeeping facilities have been improved beyond measure, the heating plant completely renewed, the Apprentice Training School improved out of all recognition and many other changes completed. In Gateshead, notwithstanding

Challenges

We have had our share of problems in that even with the best possible advice we have had difficulties in ventilating, heating and lighting some of the office

(Continued on back page)

Air Chief sees for himself

Air Chief Marshal Sir Neil Wheeler, Controller, Aircraft, having a look at one of the latest developments of the S600 transportable radar. He also saw an advanced design of data processing elements which will form a new concept in air traffic control data handling. Here he is, sitting, with J. Wild, Mgr. Enginrg. B. and J.W. Sutherland, Managing Director.



Behold Marconi !

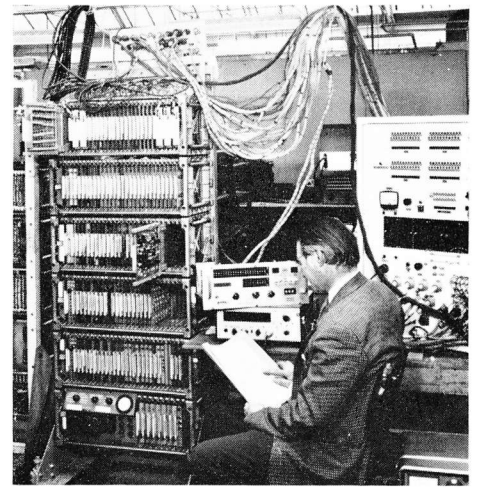
A good citizen of Leicester

Leicester people who come to our Blackbird Road Works during Marconi (Leicester) Open Week, 24-29 September, will see what we do and what we have to offer the community.

Here on these pages are pictures which show some of the aspects of Marconi manufacture, of the type of work our people do, and of the training they receive to do it.

We make neither boots nor shoes nor hosiery, but we offer skills to build equipments of advanced design used as every day necessities in the world of flying and travel, and in the Army, the Navy, and the Air Force.

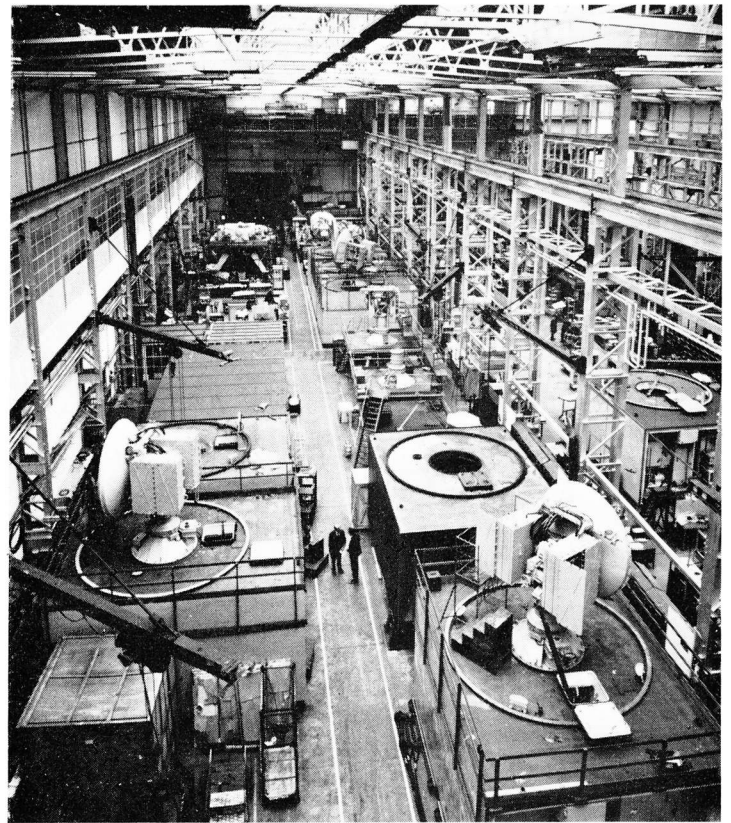
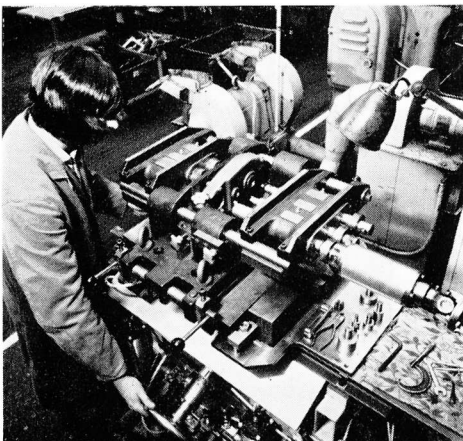
Marconi Radar Systems Limited plays a leading and ever increasing role in world-wide radar technology and electronic engineering.



Above: *The final testing of a master monitoring unit used in a radar Type 909.*



Below: *Boring searchlight gearboxes using a jig made for the job in Blackbird Rd. Works.*

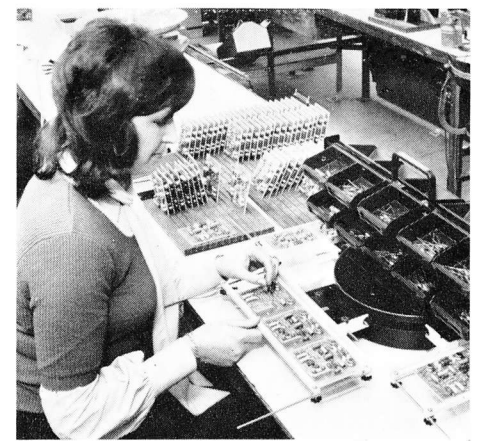


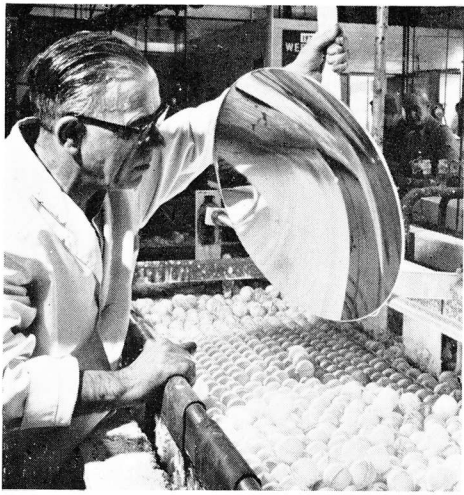
Above left: *Radar in action—a low flying attack. The ST 801 radar director is locked on to the aircraft and the inset shows the monitor screen with the bore sight on the centre of the target. Marconi radar is also used for civil air traffic control.*

Above right: *This is the assembly area at Blackbird Road Works with radar equipment in various stages of manufacture.*

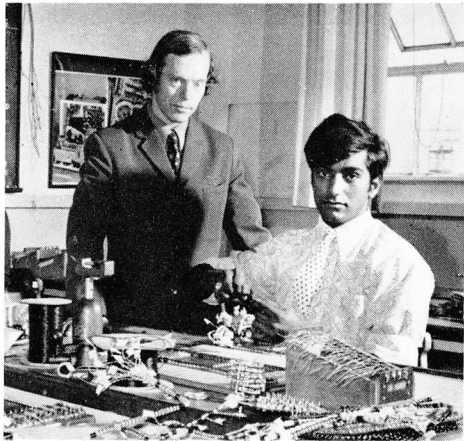
Far right, bottom: *These are some of the Marconi officers who are organizing Open Week and will be ready to talk to anyone about work or training schemes. Left to right, sitting: Roy Baverstock, Personnel Manager; Peter Rawson, Snr. Personnel Officer, Blackbird Road; W. O. P. Jones, Works Manager; standing, Clive Smedley, Personnel Officer, New Parks; and Albert Quinn, Snr. Training Officer.*

Mrs. Christine Williamson assembling circuits for searchlights on a Rotorline device.





Above: This is Tom Overton brightening a searchlight reflector electrolytically. Searchlights are made in this factory for tanks.



Above: Senior Training Officer Albert Quinn with one of the wiring trainees and some of his work.



Top right: The Centurion tank in which new gun control equipment is being tried out. John Heal of Military Control Section, driving the vehicle, was concerned with this project and with him, in the turret, is student apprentice Patrick Colman-Smith. The prototypes were built at Blackbird Road.

Centre right: Mrs. Beryl Pearson, centre, is the instructor in a very pleasant wiring training section. With her here are Mrs. Eileen Warne, left, and Mrs. Joyce Richards.

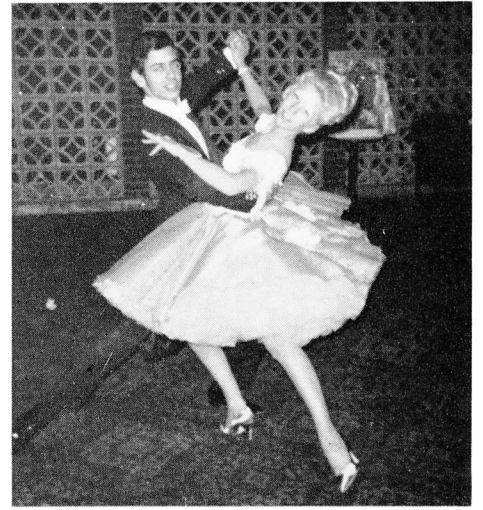
Below: These ladies received training, and are working in Wiring Assembly.





If you want to know who we are . . .

The Mikado is on in Chelmsford this week, nightly at 7.30, Sat. 4.00 and 7.45. It is being presented by Chelmsford Am. Op. and Dram. Soc. and produced by Ted Francis of Engineering A, Baddow. Here is Ted as the Mikado, with his retinue—wife Brenda, right, daughter Andrea, and Sheila Poplett, wife of Sid Poplett of MCSL.



Sports days

Tug-of-war teams who battled their way on MASC Sports Day: Left, Wiring Assembly, G Block, front to back, left, Brian Devlin, Jim Panting, Kev Chapman, Pete Meher; and, right, Gerry Reeves, Paul Francis, Allan Hare, Wally Thorpe. Below: Contracts, left to right, Alan Dawson, Harry Flower, Dick Cave, Bob Holloway, Bob Windley, Mike Allen, Peter Brice, Bob Ditchfield.

Leicester

Below right: At a fete held on the new Leicester sports ground at Wigston, £300 was raised for the funds of the Sports and Social Club. Here are footballers, left to right, Rosaline Jones, Sue Finney, Valerie Ware and Marion Sullivan.



Dancing through Europe

Eric Clift, Production Control, Cromptons, and his partner Myrna Mills, on a continental tour with a difference, represented the United Kingdom in ballroom dancing competitions in Germany and Austria.

They had two nights roughing it on the way out, and a hazardous ride home. As to dancing, they took part in ballroom and Latin American. The standard was high, but, each time they reached the semi-final and one of the two Birmingham couples who went with them gained second place.

Eric has been dancing with Myrna for just over a year, but did three years as a junior competitor. His father, Stan, and mother, Nina, herself an Austrian, are both with MCSL at New Street.

(Continued from page 1)

areas to a comfortable standard, and to solve this has exercised a great deal of thought.

Major factory

The biggest challenge has been to establish a major factory on this site and the results so far, although only the first stage, are a great credit to the Works Management, who have had to give priority to achieving urgently required output against a growing order book at the same time as building factory facilities absolutely from scratch. The new

numerically controlled machines are beginning to be commissioned; assembly area, stores, machine shops, paint shop, test, etc., are all complete to the first stage and large extensions to the sheet metal fabrication areas are planned.

The potential capacity has virtually trebled in under two years, and now we have the facilities beginning to take shape, we must make enormous efforts to achieve the output we so desperately need to fulfil our rising level of orders.

JOHN SUTHERLAND,
Managing Director

Fifty years in the Group

Wilf Fairholme joined BTH as an apprentice at Rugby. He started on radar at Blackbird Rd. in 1941. Since then he has worked on material listing, part of process planning. He became Sec. Leader and was concerned with well known wartime radars. Here he is, centre, with Ron Jones, Mgr., Production Control, left, and Phil Jeans, Mgr., Data Processing.

