

Echo

The internal newspaper of Marconi Radar Systems and its people

VISITOR FROM AEROSPACE

In response to an invitation to see the current MRSLS work for both home and overseas markets, Mr. Cranley Onslow, MP, Parliamentary Under Secretary of State for Aerospace, recently visited Crompton Works for discussions with Mr. John Sutherland and his senior colleagues.

Latest project

They were able to demonstrate and discuss the Company's leading position in the world radar field and in display and data handling.

A presentation on the Company's structure, export performance, product range and overall capability was given by Mr. Sutherland and Mr. Donaldson, and during a walk round the establishment Mr. Onslow saw the results of one of our latest projects: a working demonstration of the new computer Myriad III, and

600 series systems under manufacture and test.

Myriad III is the most flexible computer of its kind for air traffic control and defence work. One of its features is that it is modular in construction. This allows the final configuration of the equipment necessary to deal with the particular work assigned to it, to be decided by systems engineers in liaison with the customer.

Systems being planned

Customers of ours are considering Myriad III for air traffic control and ground defence systems now being planned, so future prospects for it should be good.

The computer is built at Chelmsford and tested at Beehive Lane and Widford. It has been a major production project which has involved many engineers in the Company.

BELOW RIGHT: Our new computer for air traffic control, Myriad III, was one of the projects Mr. Cranley Onslow, MP, Parliamentary Under Secretary of State for Aerospace, saw during his visit to Crompton Works. Here he is, right centre, during a working demonstration with, left to right, I. F. Donaldson, Technical Manager; J. Noyes, Computer Systems and Electronics Division of the Department of Trade and Industry;

P. Brittain, Assistant Private Secretary; J. W. Sutherland, Managing Director, MRSLS; and D. Watkins, Manager, Programming Dept. BELOW LEFT: The working model of Myriad III with some of the engineers concerned with it. Left to right, Andy King, Systems Engineering; Bill Gordon, Engineering B, responsible for demonstrating the equipment; Brian Hammans and Don Ward, Programmers; and Philip Sanderson, Admin.

Fourth issue of Echo

This is the fourth issue of the Radar 'Echo'—how do you like it? It seems to be gathering a very broad spectrum of news and interest, and to be well received, but we would certainly welcome suggestions for changes or improvements, and would be delighted if you would write to the Editor, Dusty Miller, Room No. 61, St. Mary's House, Victoria Road, Chelmsford.

The splitting of facilities in the Chelmsford area (which were formerly the central responsibility of The Marconi Company) between the Radar Systems Company and the Communication Systems Company is still proceeding rapidly, and we shall reach a high degree of Independence by the end of the year. The direct control of the Crompton site that I mentioned in the last issue has already had a significant effect.



John Sutherland

Improvement

The general business situation is showing some signs of improvement, and I continue to be optimistic on the longer term prospects, particularly overseas. We have received three new orders in the last few weeks which, whilst not very great in total value, are particularly encouraging since all were the result of tough competition. When world trade conditions improve generally we are very well placed to take a good share of the new business.

It would be appropriate to say a few words about Gateshead. It continues to cause us great anxiety to keep the factory appropriately loaded in spite of all our efforts to sell mechanical engineering work outside the radar field as well as our normal hard selling in the traditional radar markets. The shortage of new work has been even more significant on the communication side, which has accounted for a fair slice of Gateshead's load in the past. Everyone concerned should know that we really are fighting hard for production for Gateshead, in the Government circles, in the market place and with other parts of GEC.

JOHN SUTHERLAND, Managing Director

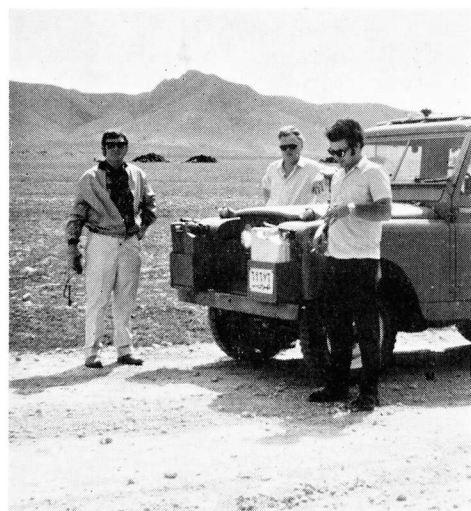


The importance of technical back-up

Technical support for engineers using our equipment in many countries is a Marconi service. This can be called on either at short notice or as a standing order.

The importance of after-sales service is such that the Company has a Technical Services Department whose particular job this is. Their engineers work in close liaison with Field Services, but we seldom hear of the

On the Asian Highway putting on the spare is Dick Cave, Contract Svcs, with Bernard Hole, left, and Peter Crosbie. Terry Mc-Loughlin and John Wardle have now taken over from Peter.



schemes they are concerned with. Two of their projects, for example, are Government contracts with both Iran and Singapore for the technical support of resident engineers of MRSL's Field Services Department.

In each case the contract includes advisory visits and regular inspection of equipment by electrical and mechanical engineers of the Department as well as the 'fire brigade' services—the immediate emergency services.

The Technical Services Department is also concerned with post development work on established private venture designs and also holds a number of British Government contracts for the post design support of Gov-

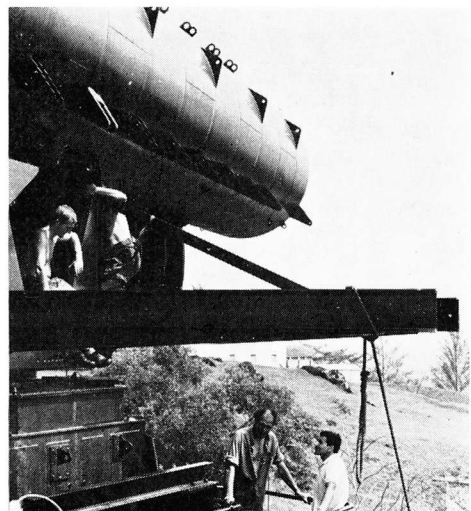
ernment-sponsored designs, and is responsible for the investigation of any failure in equipment and for its rectification. This work is carried out in its own laboratories at Baddow.

Modifications for improvement of designs are going through all the time as new procedures are introduced. To meet these requirements TSD design their own modifications and Field Services' or customers' engineers install them.

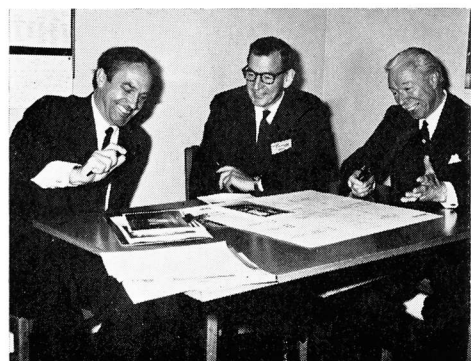
Experimental equipment at home, at Rivenhall and Bushy, comes under the TSD umbrella and it is TSD's responsibility to provide, on these two sites, facilities for sales demonstrations.

LEFT: On the Asian Highway in Iran. Terry Hallam, Manager, Technical Services Department, MRSL, left, Bernard Hole, MOD (PE), and Peter Crosbie, Field Services, MRSL, Resident Maintenance Engineer. This was at the time of the final inspection of a station

before official handover to the Imperial Iranian Air Force. BELOW RIGHT: While radar engineers go on their way the Turkmen nomad shepherds drive their flocks to the waterhole. Watering-places are often many miles apart. In the distance are the goatskin tents.



LEFT: A modification for improvement of design in progress. This is the erection of counter balance arms on a single-sided high power radar aerial head in Singapore. From right to left are: Eddie Crooks, Chief of Mechanical Eng. Group, Tech Services; Doug Clements, a TS engineer, and two RAF fitters. This modification was designed by Technical Services at Gateshead for local manufacture. The aerial and the tubular frame were built at Gateshead.



Naval projects

Talking of naval and other defence projects during his visit to Chelmsford is Commodore J. W. McClure, Defence Scientific and Technical Representative, Australian High Commission, London, centre, with Jack Wild, Manager, Engineering B, left, and Leslie Freeman, Sales Controller. Mr. Freeman met Commodore McClure in Canberra when he was last there.

A new trophy

A new trophy, for sportsmanship, has been presented to the Olympian Football League, the premier Essex intermediate league, by

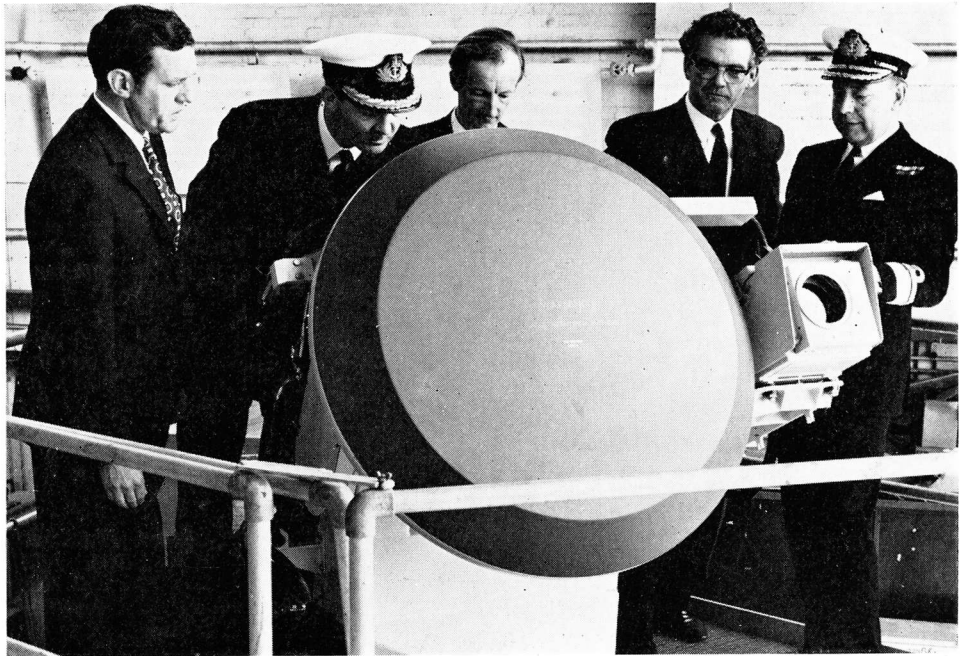
Ron Hurrell, Radar Estimating, Crompton Works. Ron was secretary for five years and is now a vice-president. The trophy will be awarded at the close of the season to the club which has won the most points for general attitude on the field and as hosts.

Seventeen first and sixteen reserve teams play in the league, among them Marconi Athletic. Charlie Rand, Production Engineering, also at Crompton Works, is the present secretary and both he and Ron are qualified referees, class I. Len Liddle, Production Engineering, Baddow, is chairman; Gordon Evans, Great Baddow Research Laboratories, treasurer; John Pickering, MCSL, fixture secretary; and Norman Cottee, MCSL, registrar. Gordon and John are also referees.

Leicester's new tracking radar

Rear-Admiral J. R. Llewellyn, Assistant Controller of the Navy, saw new Marconi radar equipment during his visits to Chelmsford and Leicester.

At New Parks he saw the new ST801 naval tracking radar and reviewed progress on orders which Leicester have for the Royal Navy. He saw equipment for Seadart, Sea Wolf, and the Ikara missile system and new equipment under development in the laboratories. The Admiral also went to Blackbird Road Works, and was impressed by his visit. RIGHT: Rear-Admiral J. R. Llewellyn, far right, at Leicester having a look at the new tracking radar with, left to right, P. Way, General Manager, Leicester; Cdr. R. B. Brooke; L. R. Johnson, Project Manager, ST801; and W. M. Stothard, Technical Manager.



Another radar contract won

The Company this month signed a contract for the supply of a military radar system.

It is a major contract valued at nearly £4 million, and one of the important conditions agreed between the customer and the Company is that this order, for the first of a series of systems, will be completed to a very short time scale.

Here in the picture below is the team, headed by K. R. Jinks, Programme Manager,

who will carry this project through using advanced techniques such as computer processed Pert networks to ensure efficiency. Left to right, M. F. Burrage, Planning Controller, Field Services; Miss J. Kocinoga, secretary to Mr. Jinks; P. M. M. Foster, Assistant Project Controller, K. R. Jinks, G. Valentine, Systems Engineer; P. A. Weathersby, Assistant Project Controller; and K. Chambers, Contracts.



Establishing efficiency

Rod Mackley, Establishments Manager, with his secretary, Rosalind Cornell. Mr. Mackley has the efficient working of MRSAL sites in his care, and is making every endeavour to improve the environment and provide the facilities we need in day to day work.

Up for the cup (BELOW)

Not one of these girls had kicked a football until they decided to enter the Chelmsford Carnival five-a-side competition. Their chief, Harold Emms of Printed Circuit Layouts, Baddow, a qualified referee, knocked them into shape and they won the cup. Left to right, back: Sue Thomasson, Lee Riley, Trudy Armstrong. Front: Penney Smith, Harold Emms, Susan Broome and Stephanie McEvaddy.



Managing Director's secretary

Mrs. Rae Thompson, right, whose job it is to organise a smooth-running day for Mr. Sutherland. She joined Radio Communications at New Street in 1958 and moved up to Crompton's with Marconi Radar Systems. At home she very much enjoys working in her garden.

ON CUE The Baddow Workshop billiards team captained by Bill Culliton succeeded in wresting the MASC inter-departmental trophy from Waterhouse Lane, who have held it for the past two years.

RETIREMENT R. T. Hanning, Baddow Workshop, 2 years' service.



Till we meet again Secretaries finish training



These girls have just completed a two-year training scheme involving Company clerical and secretarial training and attendance at the College of Further Education to obtain R S A qualifications. They are working now in MRSL offices and will shortly be transferring to staff positions within GEC - Marconi. Here, with Marilyn Smith of Training Methods Dept., right centre, are, left to right, Janet Mullinger, Janice Carden, Anne Young, Pauline Blatchford, Felicity Hogg, Janet French, Rosalind Cornell, Carol Anderson.



Sailing celebrations

Frank Savill, Engineering B, Baddow, with son Mark, shows the sailing qualities of a Mirror Dinghy, one of several demonstrations during the Marconi Sailing Club's open day and twenty-first anniversary celebrations.

Grand Finale

The grand finale of the seven-a-side football competition in which thirty-five teams from Blackbird Road and New Parks participated, took place at the English Electric sports ground at Whetstone.

The championship cup was played for by the winners of Blackbird Road and New Parks seven-a-side shields—Test and Auto DO respectively—and an exciting match resulted in a win for Auto DO by 4—3. The cup was presented by Ivan Richardson, Contracts Manager, Leicester.

A highlight of the evening's entertainment was a specially-arranged seven-a-side match between a Blackbird Road management team and a team of ladies from the factory offices. This resulted in a 2—2 draw but had the referee's shooting been a little more accurate the ladies would have won easily.

The competition, which raised a substantial sum for the Football Club fund, was arranged and run by Dave Dryden, Jnr., Secretary of the Sports and Social Club.

New Leicester trophy

A new cricket trophy symbolising the County emblem of the Fox was contested by teams from New Parks (Commercial) and Blackbird Road (Works).

Total scores: Blackbird Road 58, New Parks 76. Individual performances are not given as the information is classified.

Supporters of both teams admired the turn out of 'whites'—some rather tight at the waist—and the athleticism of both teams.

The 'Benson & Hedges' atmosphere was carried on well into the night by 'Benson &

Heys' with a splendid sing-song, which embraced traditional songs from Met. Vic (Manchester) BTH (Leicester) and Marconi (Chelmsford).

Blackbird Road team: W. O. P. Jones, Works Manager; S. W. Heath, Supt. of Manufacture; R. E. Jones, Prod. Mgr; A. G. Copson, Gen. Foreman; P. H. Power, Chief Test Engr; W. Tanser, Gen. Foreman; D. Dart, Data Processing; E. J. Murdy, Works Acctnt; F. A. Mackness, Ch. Inspector; J. McReynolds, Buying; R. Critchley, Test Engr.

New Parks: I. Richardson, Contracts Mgr; R. J. James, 909 Proj. Mgr; E. Heys, Sales Mgr; K. A. Benson, Gateshead Commercial; J. McClelland, S/L Spares & Repairs; G. Mowbray, Ch. Draughtsman; J. W. Brindley, Head of Control Sales; R. T. Brocklesby, Ch. Acctnt; T. McHugh, S/L Admin. Contracts; J. Russell, Head of Radar Sales; W. M. Stothard, Technical Manager.

Umpires: G. E. Baker, Personnel Mgr; S. F. Freer, Gen. Foreman.

Scorer: L. R. Johnson, ST801 Proj. Mgr.

Fire-fighters

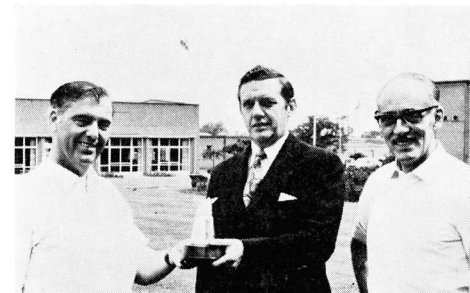
Two Blackbird Road teams entered the British Fire Services Association competition (North Eastern District) at Peterborough; one team from the fire section and one from the factory first-aid unit.

The fire section was presented with a special cup for being the best all-round team in the competition, and the first-aid team also achieved very creditable results.

Teams: Fire Section—C/O K. R. Powell, S/O H. Watmore, L/Fm D. Linnett, F/M S.

Fifty years' service

Jack Williams retired from Admin Department, New Parks, Leicester, after fifty years' service. Here he is, right centre, at his presentation with, left to right, J. Coles, G. E. Baker, Manager; A. T. Kinder, CSO; D. R. Paterson and Mrs. J. Harrold. He started at B.T.H. Rugby in 1923 in cinema projection equipment sales, and came to Leicester, radar, in 1954. He enjoys music and played in Rugby Works band.



I. Richardson, Contracts Manager, left, P. Way, General Manager, Leicester, with the cricket trophy, and W. O. P. Jones, Works Manager.



Auto DO, New Parks, winners of the seven-a-side football championship cup. Back row, left to right, R. Brooks, D. G. Hegarty, A. Sayers, R. McCulloch. Front, S. Purvis, M. Collins, C. Bills, M. Coke.

Banton, F/M S. Whitehead, F/M C. Head, F/M M. Peet, F/M M. Stevens, F/M G. Tobin.

First Aid Section—K. R. Powell, E. Baker, J. Reed, J. Cross.

Golf: MRSL beat AEI

A golf match between MRSL, Leicester, and AEI Semiconductors took place at Newark Golf Club.

The match, a 4-ball, best ball, matchplay competition, was played in ideal weather, and although informally arranged was fiercely contested. The outcome of three of the five games was only settled on the 17th and 18th greens. Marconi Radar Systems won by three games to two.