

OCTOBER 1979

**Marconi
Radar**

ECHO

The internal newspaper of Marconi Radar Systems and its people

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SPOTLIGHT ON AIR DEFENCE

— see centre pages

Unsettled times

ECHO

EDITORIAL

LIFE is getting more difficult in this industry. As I said in the last edition of ECHO, unsettled conditions in the Middle East and elsewhere have changed the pattern of business in Defence equipment and we are actively reviewing new markets and new possibilities. Our competitors at home and abroad are hungry and are fighting very savagely for new work, and now the Japanese are successfully penetrating some of our traditionally successful markets.

Nevertheless we are still in a fairly sound position; we have a substantial load of work for the Royal Navy

stretching many years ahead, but it would be foolishness indeed to take this for granted. Our continuing work for the British Government is heavily dependent on our performing well, and there are several companies who are currently less favourably placed than we are who could take on our work at the drop of a hat if we do not deliver on time and give good value for money, and I have no doubt whatsoever that the Ministry of Defence would take the work from us if we did not continue to satisfy them.

In MRSL, and in the Electronics Industry as a whole, we are all "in the

same boat"; each of us must work constructively and effectively to give every customer a better product, when he wants it, at a price which compares favourably with the opposition — otherwise this currently healthy electronics industry of ours will gradually become as sick as some of the others.

It is up to every one of us to take a pride in his or her work, do their best and beat the world, as we have in easier times past.

JOHN SUTHERLAND
Managing Director

Team aboard Broadsword

THIS picture of our Field Services team was taken on board HMS Broadsword soon after the Ship Dedication Services had taken place recently.

HMS Broadwood, which carries the Seawolf/GWS25 close-in point defence system, is the first of the new Type 22 class of anti-submarine frigates.

Pictured (left to right) are Messrs. T. Hayden, P. O'Callaghan, E. Eustice, M. Freeman, N. Haller, D. Pickford, M. Plumridge, J. McGinty, J. Bailey, A. Thomas (Site Engineer), T. Fricker and M. Dwyer.

The fearsome-looking creature on the rails is the team's mascot; he (she? it?) has been associated with Field Services since the HMS Penelope trials.



New Production Director

WE welcome Mr. Robert J. Scott, who has been appointed Production Director with the Company.

Mr. Scott was formerly General Manager with ITT in the telex, communications and business equipment field. Before that he was with Short Brothers and Harland in the aircraft and missile business for some 20 years.

A Marconi transportable diversity radar (Type S606H) in operation



• See 'Spotlight on Air Defence', featured on pages 6 and 7.

Royal Navy Equipment Exhibition

A BUSY Royal Navy Equipment Exhibition, held for the first time at Whale Island, Portsmouth, attracted a lot of attention from both home and overseas visitors last month. Once again the GEC-Marconi Electronics stand was the largest at the exhibition.

Marconi Radar, in celebrating over 40 years as a supplier to the Royal Navy, showed some of the Company's latest equipment on Stand No. 121, including new radar systems, an aimer trainer, two new colour displays and a presentation of submarine systems.

To highlight the Company's expertise in naval radar systems, the ST810 surveillance radar and the ST802 missile director (part of the Marconi/Sperry Sapphire

system) fitted with optronics, laser and infra-red sensors, were on display. This lightweight system, suitable for vessels up to frigate size, has enjoyed considerable success overseas with sales in excess of £35 million.

A model of the new ST804, making its first public appearance, was on show. This system uses an ST802 plus the illuminator system from the Type 909 standard Sea Dart radar, and

forms the basis for a new lightweight Sea Dart tracker.

The new tracker Type 910M for the GWS25/Seawolf anti-missile point defence system is currently undergoing evaluation by the Royal Navy, and a model of this system was on display.

The Company is co-operating closely with the Vickers Shipbuilding Group in the design of a new patrol submarine, with Marconi Radar carrying out overall system design and project co-ordination for the propulsion system. A model of the new submarine was on show.

Two new colour displays made their first public appearance on the stand. The 16-in. and 23-in. high-definition four-colour displays use the "penetron" technique to present information in red, green, yellow and orange, and each colour can be varied in both brightness and tint to suit the individual viewer.

Also arousing much interest was a working display incorporating computer generated imagery. Based on a gun-aimer trainer

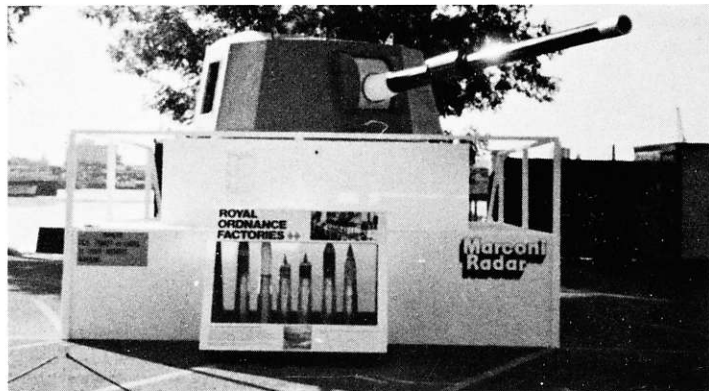
supplied to the Royal Malaysian Navy, the system on show uses the Company's TEPIGEN (Television Picture Generator) to provide lifelike television pictures to simulate the actual visual conditions through the sights. Two such systems, for missile-aimer trainers, have been supplied to the Royal Navy.

On an outside site was displayed the autonomous 105mm patrol gun, a new low-cost answer to providing an effective gun and control system for small patrol craft. Designed and developed by the Royal Armament Research and Development Establishment, and manufactured by the Royal Ordnance Factories, this is the well-tried 105mm tank gun — now combined with the Marconi Radar gun control and fire control systems to provide a simple self-contained shipborne gunnery system.

Our own Portakabin conference room, complete with film and slide projection facilities, was in frequent use throughout the period of the exhibition.



Part of the Marconi Radar stand at the exhibition, showing the display of 800 Series radars and the weapon aimer trainer console.



The 105mm patrol gun, now combined with the Marconi Radar gun control and fire control systems.

£1m SIMULATOR ORDER

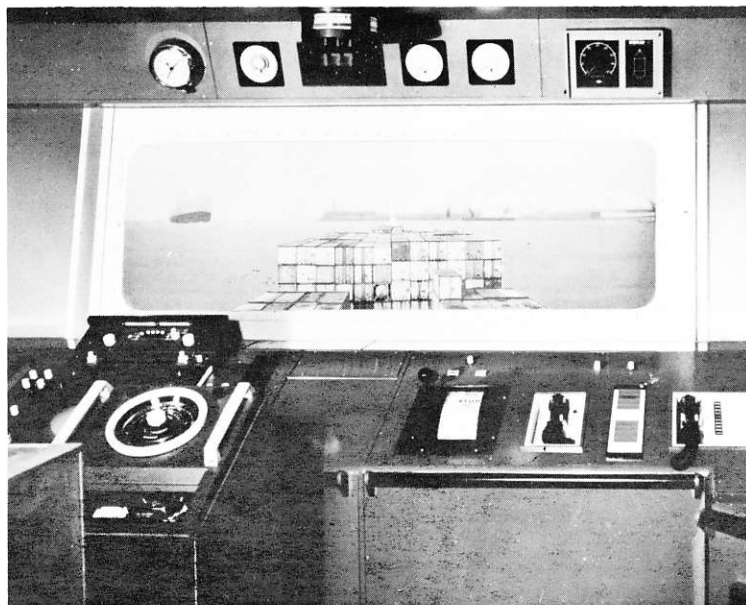
AN order valued at nearly £1 million has been received from the Department of Industry for the supply, installation and commissioning of a ship handling trainer to be used in a UK maritime college.

As prime contractor, Marconi Radar will employ the Company's well-proven computer generated imagery system, TEPIGEN, allied to a Decca ship simulator bridge, to provide an advanced all-weather, day and night training system.

The primary purpose of the new simulator is to provide better training in the interests of safety at sea. The requirements

for training have been heightened by a number of recent incidents at sea which have opened public awareness to the possibility of major ecological disaster.

The TEPIGEN system, developed at Leicester, has already proved its success at home and overseas with contracts for gun and guided weapons aimer trainers as well as ship handling simulators. It has the most advanced specification in the world in computer generated imagery. When allied to the well-proven Decca bridge and drive equipment, it provides a training system of unique capability.





INSIGHT GIRLS TAKE A LOOK

SOME time ago Loughborough University in conjunction with the Engineering Industry Training Board (E.I.T.B.) offered a one-week residential course, called 'Insight 79', for sixth-form girls to find out more about engineering as a career. Expecting a fairly lukewarm response, they were somewhat amazed when 775 girls from all over the UK applied for the 30 places offered. The number of places was increased to 45.

When GEC-Marconi became aware of the situation they were determined not to lose the

opportunity of developing the interest of more girls in a career in industry, and in conjunction with the E.I.T.B. decided to run a similar course at the University of Essex where another 40 places would be offered.

The course ran from July 29 to August 3 and during the week companies located in Chelmsford, Colchester and Basildon acted as hosts to the girls for a day.

Our picture shows Derek Knight initiating some of the girls into the mysteries of an Air Traffic Control Display at Writtle Road.

Sixth Marconi International Fellowship

LEARNED societies, academies, universities and individuals in industry throughout the world have been invited to nominate candidates for the sixth Marconi International Fellowship.

The Fellowship — a \$25,000 grant — commemorates Guglielmo Marconi's creative contributions to science, engineering and technology.

The 1980 Fellowship will be made to a person who has made an outstanding contribution to the improvement of communications in developing countries.

The grant is used to commission work by the recipient or by some person or persons nominated by the recipient.

★ ★ ★

A new industry-linked degree course

A NEW 4½-year degree course in Electronic/Electrical Engineering, initiated by Hugh Wassell, GEC-Marconi Director of Engineering, has been devised jointly by Bath University and GEC-Marconi Electronics.

The course is intended to provide an engineering education at a level equivalent to that of the French 'Grandes Ecoles' and the German 'Technische Hoch Schulen'. It covers a broad spectrum of electronic/electrical engineering and yet allows for specialised study to a greater than normal depth. It is intended for students of high calibre and will lead to a Master of Engineering degree (M.Eng).

Bath University has entered enthusiastically into the joint study which also has the support of the Engineering Industries Training Board in the form of a grant.

The course will start in September 1980. Applications to enter the course should be made to the School of Electrical Engineering, Bath University, Claverton Down, Bath, from where full details may be obtained.

Marconi 'first' in Saudi

OUR picture shows Lynsey Gail Jones, born on 26 April this year in Saudi Arabia, and her mum, Joy Jones — wife and daughter of Alan Jones. We believe Lynsey is the first MRSL offspring to be born in the Kingdom.

Alan is on the O & M Contract, serving in the RSAF Signals office with LAIAG. He has been in Saudi since 1970 when as an AEI employee he was working on SAGE. He transferred to Marconi in 1972 and O & M in 1974.



Christian fellowship

LOVE is perhaps one of the most misused and misunderstood words in our language, but real love provides us with a sense of security, belonging, comfort and well-being.

Christ expected His disciples to love their enemies, but for most of us it is not even easy at times to show love to those who are dearest to us. It is this that makes us aware of our lack of understanding of true love.

We will be studying the meaning of Discipleship (29 October), and also, under the title 'Love one another' (12 November), we will be discussing if it is possible to put Christ's teaching into practice.

These are just two Monday dates, but we extend to you the usual welcome to join us any Monday at 12.35 in 'D' Building reception.

JON ELLIS, Chairman,
Christian Fellowship,
Writtle Road.

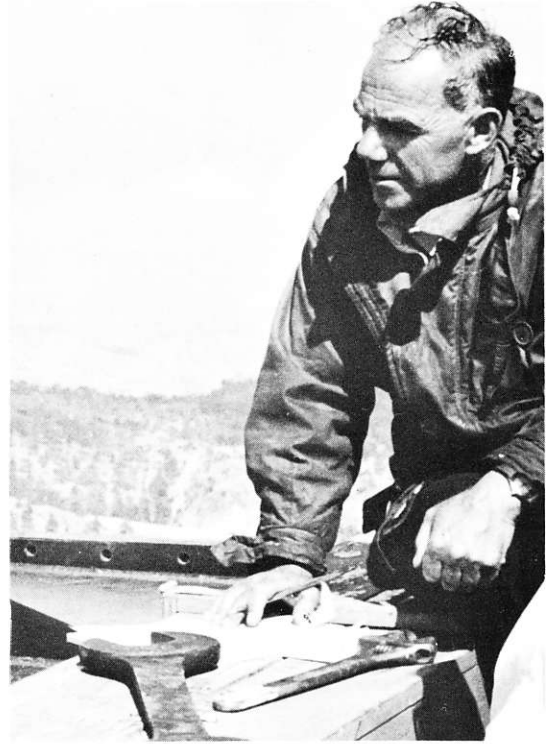
One of the real old 'characters'

STAN PEARCE

ONE of the real old "characters" of Field Services died on August 11 at the age of 71, having only retired some 18 months previously.

Stanley John Pearce, who was awarded the MBE in June 1966 for his services in connection with the Company, originally joined the Group in 1953. He travelled far and wide during the course of his employment to such places as Cyprus, Christmas Island, Norway, Turkey, Singapore, Greece, Iran, Germany, Italy and in the UK. He ended his career in Saudi Arabia.

Stan was an expert in the field of off-loading equipment from ships and his knowledge in this area ensured that expensive radar equipment arrived on sites throughout the world without damage. Heights held no fear for him, and he not only supervised but also helped erect the towers and radar equipments on top of them.



Heights held no fear for Stan Pearce, seen here on top of a tower in some far-off land.

LONG SERVICE AWARDS AT CHELMSFORD



BACK ROW (left to right): R. G. Eley (27 years), D. L. Beckett (26), L. E. Philpott (26), A. V. G. Martin (Manager), A. S. Edwards (26), P. Williams (26), E. Gildersleeve (Manager), A. C. Horsnell (Personnel Manager), M. O. Klesel (26), R. A. Moule (26), M. F. Steeds (26), E. Holman (Manager).

MIDDLE ROW: J. Quill (25), D. C. Williams (26), J. W. Sutherland (Managing Director), K. Michael (Manager), K. N. Carsberg (25), J. J. Ridley (25), L. J. King (26), I. R. Jones (26), A. Kocur (26).

FRONT ROW: E. G. Ward (26), D. A. T. Murton (26), D. Woodcock (26), D. W. Miller (26), R. Greenwood (26), D. C. J. Watkins (26), B. E. Sinclair (25).



EMPLOYEES in this group have completed 26 years' service.

BACK ROW (left to right): B. J. D. Dennis, J. S. Beckett, H. N. C. Ellis-Robinson (Manager, Development Division), R. E. Howick, P. B. Helsdon (Manager), F. Kime (Manager), H. J. Bourne, B. T. Neale, K. Stoker (Manager).

MIDDLE ROW: P. W. Gurton, C. F. Drake, D. Meacock, F. E. Chittenden, J. W. Sutherland (Managing Director), E. Brown, J. Collins, R. M. Horton, C. A. R. Mackley (Establishments Manager).

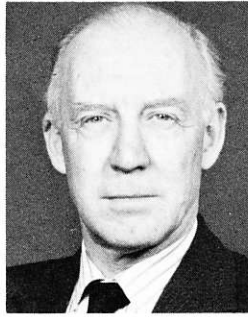
FRONT ROW: J. B. Hibble, R. S. Brown, Mrs. I. Foster, E. M. Bacon, L. R. Davis, D. J. Crabb.

Spotlight on Air Defence

THIS introduction to Modern Systems for Air Defence has been specially written for ECHO by Air Commodore E. B. Sismore, air defence adviser to Marconi Radar.

Air Commodore Sismore joined the RAF in 1939, serving first as a navigator — he led the famous Mosquito low level raid on Gestapo HQ in Copenhagen in March 1945 — and then as a fighter pilot. In his last tour, before retiring in 1976, he was the Director of the team responsible for the improved UKADGE (United Kingdom Air Defence Ground Environment) project.

We intend in a future issue to include a feature on the Company's particular capability in the field of air defence, showing products and people at work.



As a military task, air defence seems to be relatively straightforward to understand — there is an area to defend against an airborne threat, so find the targets and destroy them! On the face of it a simple task, with none of the complications of terrain, geography and logistics which affect surface actions.

There are complications, however, and they begin with the fact that the enemy always has the initiative and makes the first move — so, like a fire brigade, the air defences must be on a continuous alert, ready to react with maximum speed and efficiency at any instant. This is a most difficult state to maintain.

To achieve this instant reaction, what does the system need? Clearly the first need is to know exactly what is happening in the airspace to be defended, which means that all the aircraft within that airspace must be located, tracked and identified. This is called airspace surveillance, and immediately brings in a requirement for radar sensors to look at the 'traffic' and for the communications to allow the information obtained to be carried to an

operations centre. There it can be co-ordinated and combined to make up a display of all the activity in the total airspace, with labelled tracks in the form of a Recognised Air Picture (RAP).

Now we must think about the next step. Having obtained, processed and displayed the information to a commander, what next? Well, he needs to have the weapons systems which can deal with the particular threat and for what is known as the air breathing threat — that is, aircraft and weapons which can operate within the atmosphere.

There are three forms of defensive weapons — the fighter aircraft equipped with air-to-air missiles and guns, anti-aircraft artillery of various forms, and surface-to-air missiles (SAM) which again can be of several different types.

Assuming then that the appropriate weapons are available, what we need now is an extension of our communications system to carry the orders of the commander to these weapons in order to start the defensive action. Since the commander is dealing with a dynamic



situation, he needs to be able to monitor it to see how his orders are being carried out, to view subsequent actions and to amend his orders as the tactical situation changes. The system must then permit this process to be repeated continuously.

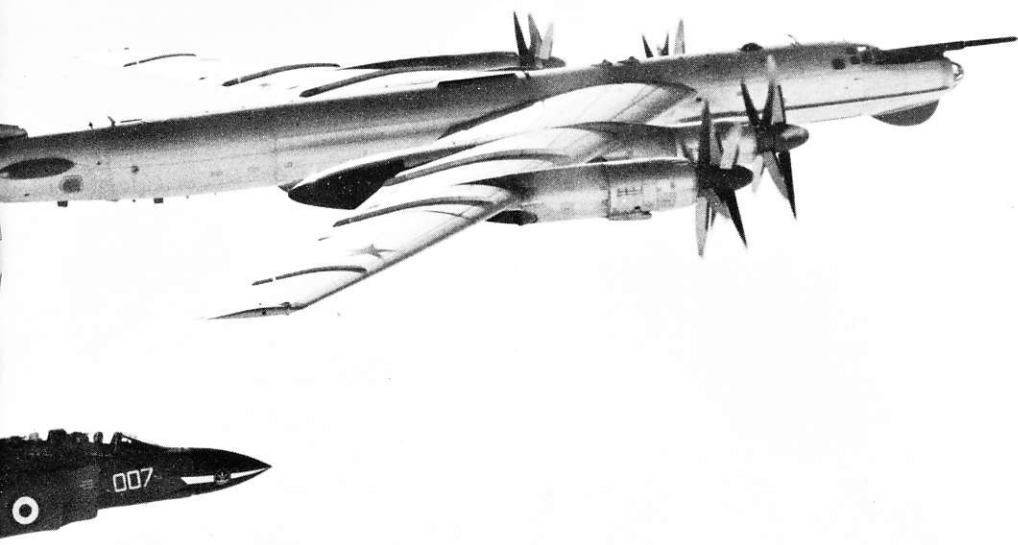
One further element is needed to complete the operational picture — facilities for the controllers of each of the weapons. Most of the SAM and AAA weapons have relatively short range but can react very quickly to engage a target, but the fighter aircraft can engage the enemy at very great ranges. To ensure that the most effective use is made of the weapons in a



Inside a sector operations centre.



Part of an operations room equipped with Marconi Radar displays.



LEFT:

A long-range 'Bear' aircraft of the Soviet Naval Air Arm is intercepted by a Phantom of 892 Squadron, HMS Ark Royal, during an exercise.

Photo: MOD via Defence Magazine

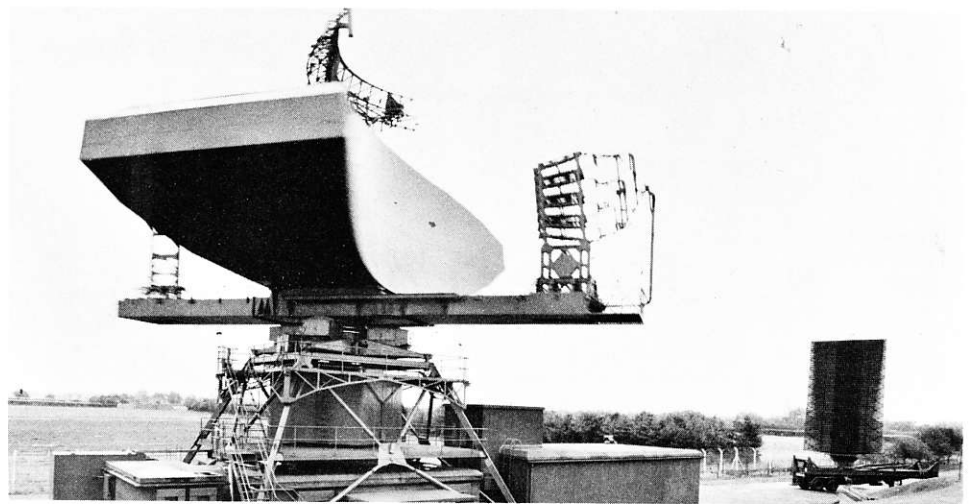
BELOW:

Two generations of Marconi air defence radars — Type 84 in the foreground, with the now-familiar Martello antenna beyond.

quickly changing situation, we have a need for special facilities for controllers in the form of displays to cover their areas of responsibility, together with communications to enable them to react to the commander's orders.

In times of international tension, as in the early stages of a 'limited' war, the air defence commander's decisions regarding the rules of the engagement for his weapons can have a significant role in determining the next escalation of general hostilities.

So far we have looked at the way the surveillance and weapons are brought together to create a system. But the commander also needs to maintain up-to-date information on his total facilities, covering such things as aircraft and weapon states, fuel, ammunition, airfields, radars, communications, aircrews, ground crews and all the other things that make up the complete operational facility.



Looking at the complete system, we now have the means to look at the airspace with our radar sensors in order to see what activity is taking place, and the ability to transfer the resulting information to operations centres, where it can be combined to form a total air picture and presented to the commander for action. At the same time, a composite picture of all the available resources is built up, and the RAP and RDC together provide the commander with all the information on which to make the major air defence decisions. Once he has issued his orders, his subordinates use the same information, on a selective basis, to provide the detailed control of all the activities he has initiated.

In the past most air defence systems have

been constrained by geography, so that one operations centre could use only the information from local radars, and this made them very vulnerable to enemy action. Now our greatly improved capability for handling all types of data in digital form allows the full potential of the communications systems to be used to exploit the total air defence capability, without being restricted to local surveillance.

For systems now being designed, the use of all modern facilities will provide an air defence in which the new technology used in the ground facilities will be well matched to the new technology used in new aircraft and weapons. It will move air defences one step forward in the constant and progressive battle between the designers of offensive and defensive systems.

THE information has to be collected, co-ordinated and presented in an easily-understood form, which is known as the Resource Data Catalogue (RDC). The compilation of the RDC is added to the other data handling tasks of the system, involving the use of data entry terminals at all the locations where air defence activities take place or from where they are supported — and so we have a further extension of the communications.

CHELMSFORD RETIREMENTS



Bernard Rawlingson

Pride of place in this issue must go to Bernard Rawlingson, who has just retired after completing 51 years' service with the Company.

Bernard joined Marconi in 1928 on his 14th birthday as a flypress operator in the Machine Shop, at nine shillings a week. He moved from there to the Instrument Shop where he spent most of the war years on nightshift.

In 1947 he joined the newly-formed EEV Company and stayed at their Waterhouse Lane Works for three years, after which he returned to Marconi at Baddow where he remained for the rest of his service. In recent years he has been employed in the Physics Laboratory doing a wide range of instrument-making work for which he is very suitably qualified.

Bernard had a serious operation some 15 years ago which prompted him to join the Ileostomy Association, through which he assists others to overcome their post-operational problems. He is pictured here (right) with his wife and John Sutherland, who presented him with a wallet and cheque.

Arthur Baines

Arthur Baines has retired from Baddow Workshops after nearly 44 years' service with the Company. He joined Marconi in 1935 and worked at New Street in the Mounting Shop until 1955. During the war years he remembers the time when the works was hit by enemy aircraft and an unexploded bomb discovered in the debris.

He moved to Baddow Workshops in 1955 and stayed there until the end of his service. One of the jobs he remembers was the installation of transmitting equipment at Jodrell Bank in 1957, where he worked for two months.

Arthur, who lives at Springfield Park, has been a lifelong active member of the Victoria Road (South) Baptist Church, where he helps with practical jobs and belongs to the Men's Society.



In our picture (left to right) are Alan Shelley, Works Manager; Mr. B. Cole, son-in-law; Mrs. Baines; John Sutherland; Arthur Baines, and Mary Mackin, Personnel Officer.



Gordon Tyson

Gordon Tyson, who has retired from Baddow Workshops after 40 years' service, joined Marconi in 1938 as a miller on nightshift in the Machine Shop at New Street.

In 1941 Gordon was transferred by the Ministry of Labour to the Rover Car Company at Birmingham to assist in producing aircraft parts, but six months later his request to return to Chelmsford was eventually granted and he remained there ever since. He moved to the Baddow Workshop from New Street in 1953.

Gordon is shown here (centre, right) with John Sutherland and (left to right) Alan Thorogood, Manager, Baddow Workshops, Mrs. Tyson and Mary Mackin, Personnel Officer.

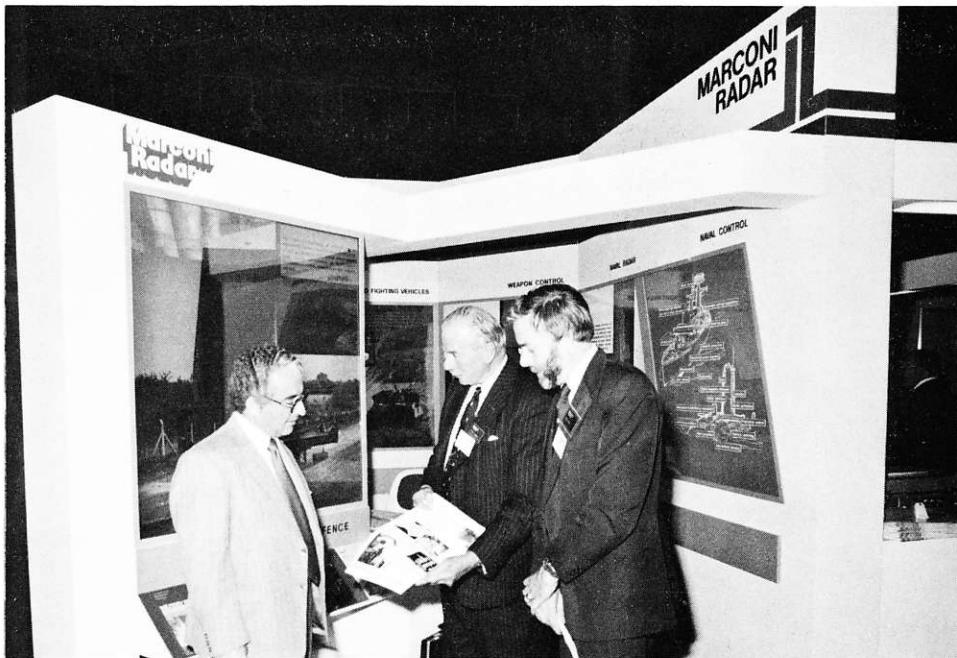
Hugh Haywood

Hubert Haywood (known as Hugh) has retired after 43 years' service. He joined the Marconi Wireless Telegraph Company direct from Birmingham University in 1936 and has lived in Essex ever since.

Hugh worked in Marine Development Division as a development engineer and travelled extensively in the UK and Ireland and later in Germany. He transferred to Radar Division in 1970 to work on GWS25, where he stayed until his retirement. His father-in-law, Mr. S. C. Parish, also worked for the Marconi Company as works accountant from 1905 to 1948.

Hugh is seen here (left) with Mrs. Haywood being congratulated by Peter Way, Marketing Director.





ON SHOW AT WIESBADEN

THE Company featured a pictorial presentation of its range of defence electronic equipment at last month's Military Electronics Defence Expo, held at Wiesbaden, Germany. The display covered the fields of air defence, air traffic

control, naval control, armoured fighting vehicles, simulators and trainers.

Sales co-ordinator Clem Lister (centre) and John Parr, Chief Publicity Officer, are seen here talking to a visitor on the stand.

Simulator for RAF

AIR defence radar operators at the NATO early warning station at RAF Buchan will soon be carrying out training exercises on a new radar simulator supplied by the Company.

The simulator, valued at about £300,000, will allow control procedures' training of operators without disturbing the normal operation of the radar station.

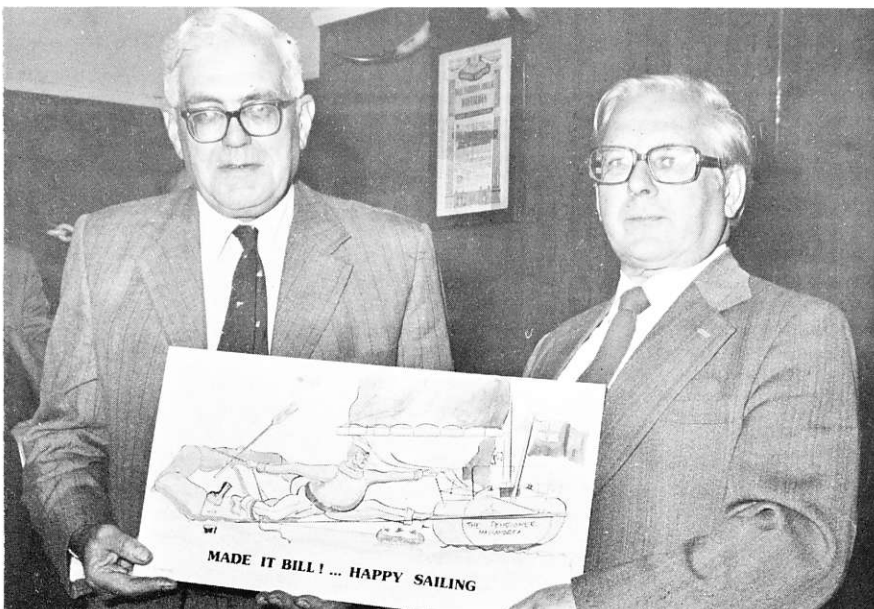
Due for delivery in 1980, the simulator is to be installed in a transportable cabin to allow possible redeployment at a later date.

The simulator provides a computer-generated model of air space activity which is converted to realistic signals representing appropriate primary and secondary radar video. It also depicts any type of aircraft with characteristic performance and armament.

This is the fourth order from the Royal Air Force for a radar simulator of this type which is also in service in Africa and the Middle and Far East, and shortly to enter service with the Royal Australian Air Force.

Happy event for Lynn

Friends and colleagues gathered at New Parks to bid farewell to Mrs. Lynn Slimmon when she left the Company recently in anticipation of a happy event. Lynn, who had carried out secretarial duties in various departments for seven years, spend the last 3½ years as secretary to Fred Garner, Manager, Future Systems. She is seen here (centre, left) with some of the many gifts, including a travelling cot and a high chair, presented to her by Mr. Garner on behalf of her colleagues.



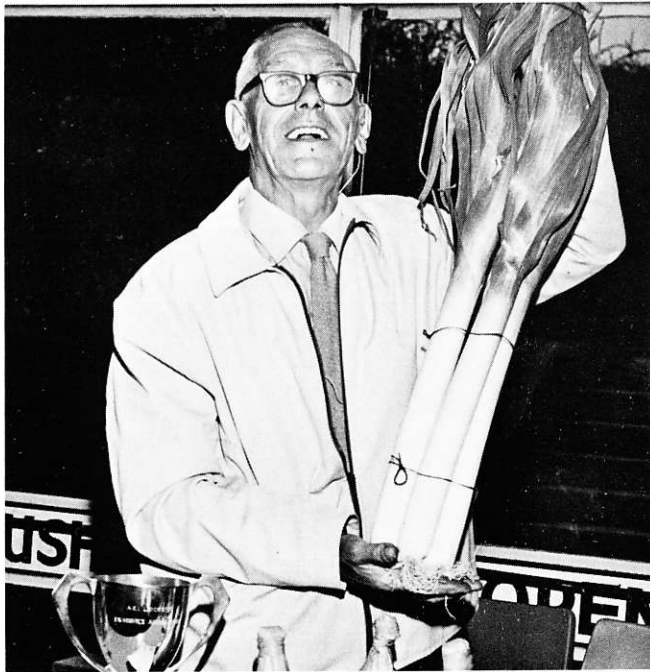
Bill Towler

FRIENDS and colleagues of Bill Towler gathered at the Rose and Crown, Writtle village, to wish him all health and happiness in his retirement. The last 12 years of Bill's service with the Ministry of Defence had been spent with the Company at Writtle Road as Resident Technical Publications Officer.

Bill started with the Army as a vehicle fitter and became a regular soldier in 1939, serving with the Ordnance Corps and REME until 1955, and rising on the way to the rank of Warrant Officer Class 1.

He began technical authorship in 1953 while still serving, and on leaving the Army in 1955 joined ATP at Chessington as TPO for the Thunderbird and Bloodhound missile systems. In 1965 he was appointed Chairman of the Joint Services Technical Publications Committee for Electronics Publications, in which position he served for two years.

Our picture shows Bill (left), who lives at Maylandsea and maintains a boat on the Blackwater, receiving a memento from Ken Stoker, TID manager.



George Smith, who won the Open Challenge Cup, shows us how he did it!

LAST OF THE SUMMER WINE

THE 23rd annual show of flowers, fruit, vegetables and wine was presented by the Leicester Ex-Service Association and Social Club at Blackbird Road recently and attracted a total of 420 entries.

The show is open to all GEC, Marconi, and Fisher Controls employees at Leicester, and to their families and associate members of the Social Club.

This year's winner of the Open Challenge Cup, for the second year in succession, was retired employee George Smith, who gained most points in the show. Second highest was Sid King, and third Alan Dobbs. The Gilling Challenge Cup, an inter-departmental trophy for the department gaining most points, was won by Mechanical Assembly, who this year turned the tables on Management, last year's winners.

Other winners were: Section 1 (Vegetable and Fruit) George Smith; Section 2 (Flowers) Sid King; Section 3 (Cookery and Home Crafts) Mrs. D. Fox. In Section 4 (Wines), the W.O.P. Jones Trophy for the best wine in the show was won by Alan Dobbs, who also won the A. E. Dobbs Trophy for the most points.



Jack Pellington (left) and Alan Dobbs (right) receive the inter-departmental trophy from Works Manager Owen Jones on behalf of Mechanical Assembly, Blackbird Road.

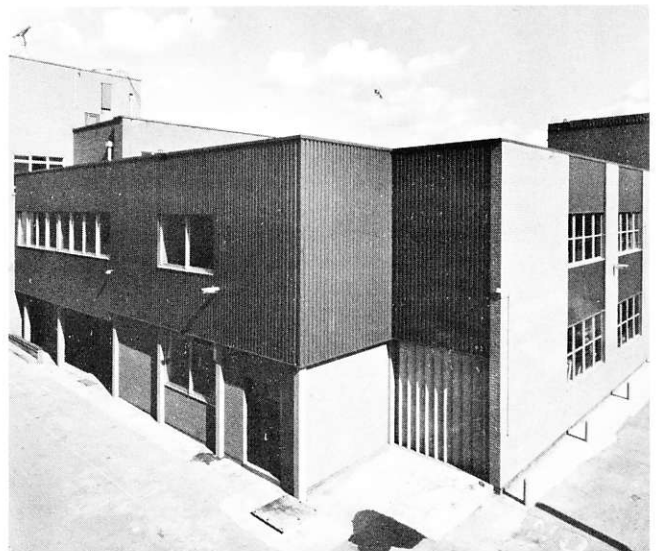
New model shop at New Parks

SEPTEMBER saw the completion of new premises at New Parks to house Leicester's model shop, which has now moved with its associated staff from Blackbird Road.

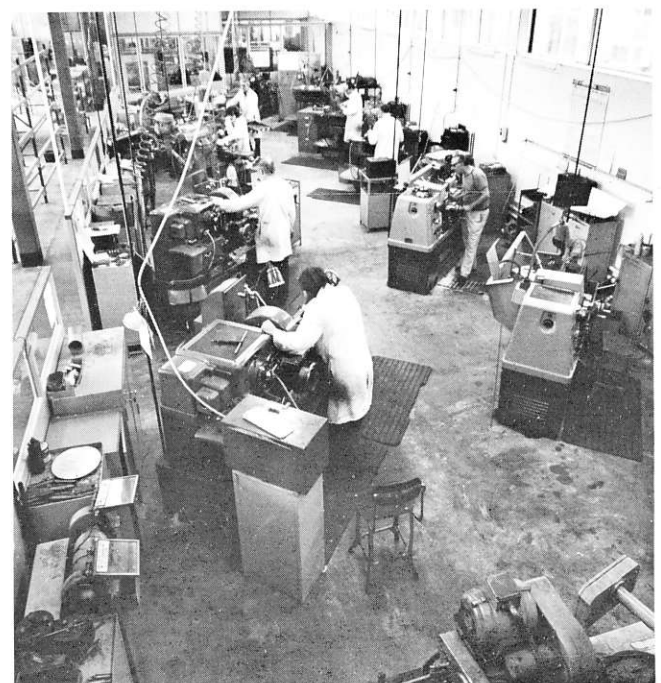
The new building provides 18,000 sq. ft. of accommodation on two floors. Part of the first floor is occupied by the Print Room for the D.O.

The new premises were designed by the Works Engineering Group at Writtle Road, under the supervision of Manager Jimmy Eaton. The project was co-ordinated by Jack Reeve; Ian Gilbert prepared the layouts, and Gerry Almeroth was responsible for the electrical distribution.

The building comes under the control of Peter Lewis, Establishments Manager at New Parks, while the model shop is supervised by Peter Elliott on behalf of Owen Jones, Works Manager at Blackbird Road.



The newly-constructed building at New Parks.



All systems go inside the new model shop.



It was a case of "Hello, sailor" when the Lord Mayor of Leicester, Mr. William Scotton, visited our Blackbird Road factory recently, for it came to light that he joined the Royal Navy on the same day as George Furness (left), some 40 years ago. Looking on as they compare notes is Works Manager Owen Jones.

As an ex-naval man, the Lord Mayor, who once met Guglielmo Marconi himself, had expressed a wish to look round the factory, and was keenly interested in what he saw.

Lord Mayor visits Blackbird Road



While the Lord Mayor was at Blackbird Road he was presented with two cheques from the Marconi (Leicester) Charities Committee. The first cheque, for £100, was for the Lord Mayor's appeal for the Royal Society for the Blind, and the second, for £111, was for him to pass on to the local Royal Leicester, Rutland and Wycliffe Society to help with holidays for the blind.

Pictured with the Lord Mayor are Cliff Shuttlewood and Margaret Stanley, members of the Charities Committee.



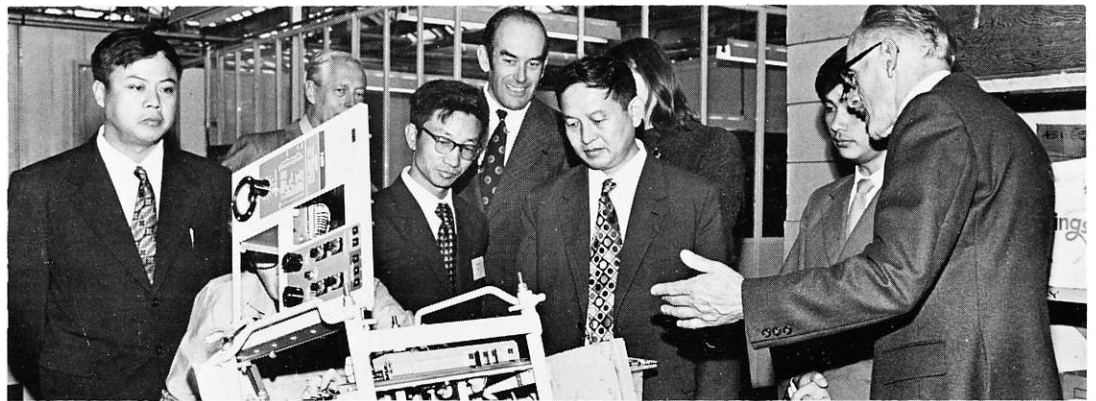
Thank you, nurse

Mrs. Irene Greaves, the popular resident nurse at Blackbird Road for the last 13 years, has recently retired.

Irene was presented with a porcelain figurine from the Company and a candelabra from her colleagues. She is shown here at the presentation with Works Manager Owen Jones and many of her friends.

Chinese visitors

WE welcomed another party of visitors from China at Leicester recently, and they are seen here during a tour of the Blackbird Road factory. Also in the picture are Commander Bremer Horne, Naval Adviser; Martin Bennett, Quality Manager, and Owen Jones, Works Manager.



Jack's half century

FEW people can have had such a long and chequered career with the Company as Jack Pharo, who has just completed 50 years' service.

Jack, who is now with the D.O. at Bosworth House, Leicester, started work with Siemens Bros. & Co. at Woolwich in 1929, apprenticed to pattern making. After serving his apprenticeship he transferred in 1936 to the D.O. of the Graham Section, a small company taken over by Siemens in 1935, and worked there until 1940 when the Section was moved to Halifax, Yorkshire, under the Government factory dispersal order.

From 1940 to 1945 Jack was in charge of Planning and Progress for Ministry contracts, and then stayed on at Halifax after the war on peacetime products until about 1953 when he moved back to the D.O. to join the street lighting team based at Upper Thames Street in London. When the Halifax works closed down in 1958/59 under the reorganisation schemes, he moved to the Upper Thames Street office of the A.E.I. Lamp and Lighting Co. for a short while until this office, too, closed down in 1960.

This meant a move to Leicester where he worked at the Melton Road factory on street lighting until 1963, when this part of the Company was taken over by Thorn



Jack is pictured here (centre) receiving his Long Service Award from John Sutherland. Also present (left to right) are Bob James, Manager, Defence Division, Royal Navy, Leicester; Derry Johnstone, Development Manager, New Parks, and Pat Kelly, Chief Draughtsman, Administration.

Lighting. He moved over to the Electronics Division D.O. at Blackbird Road, and finally to New Parks in 1968 where the Company eventually became Marconi Radar Systems.



ECHO SPORTS REPORT

Good game at Billericay

COMMITTEE chairman Phil Champion tells us that the Marconi Representative football team recently played a Billericay Town XI, among which were three members of the FA Vase team, which resulted in a narrow win by four goals to three for Billericay. Played under lights on Billericay's ground, Marconi's performance was considered to be extremely good in a match of very high standard.

The next Representative team match is against a Basildon and District League side at the Basildon Bowl on Thursday, October 11.

Chelmsford golf meeting

THIRTY-EIGHT members of the Marconi Golf Society took part in the year's First Autumn Meeting at Purdis Heath. The weather was good and as always the Ipswich course a good test.

The morning competition for the Ferguson Cup—an individual Stableford—was won by Colin Craiggi (Research) with 37 points. Runner-up was Don West (Avionics) with 34 points. Johnny Johnson (Radar) with 33 points took third place on count back from Archie McKerrill (Communications) and Roland Crompton (Radar).

The final of the Paul Farnsworth Memorial Salver was also played in the morning and in a tight game Tommy Ure (Marine Co.) beat Gareth Williams (EEV).

In the afternoon a 4 Ball, Better Ball

Stableford Competition was won by Norman Martin and John Vince (Research) with 44 points. Second prize was taken by Johnny Johnson and Jerry Halpin (Radar) with 40 points. Third, Stan Baynes (Radar) and Tommy Ure (Marine) also with 40 points. Fourth prize was taken by Des Taylor and David Bowtle (Marine) with 38 points on count back from Bernie Wassell and Steve Stevenson (Radar) and Stan Savage and Mike Wreathall (EEV).

The captain, Joe McCarthy (EEV), was assisted at the prize-giving by the President, Tom Mayer, Managing Director of MCSL. In addition to the prizes for the day's events the presentations for the Mercury Cup were also held. The Mercury Cup is presented to the pair with the best Better Ball Stableford score, each pair having free choice of time and venue for their one permitted round during the season. It was again won by Johnny Johnson and Jerry Halpin, this year with 45 points. Stan Baynes and Bernie Wassell were the unlucky runners-up for the third consecutive year and the second consecutive year on count back.

Leicester tennis season

BOTH men's teams had many close and very enjoyable matches in the Leicestershire League this season. The results were: First Team won 5, lost 2 and the Second Team won 2, lost 5, the result for the second team not giving a true reflection of the team's good performances.

At present, coaching sessions for team members are being conducted by Mr. A. Webb who is trying to correct, in some cases, 20 years of bad habits!

New faces

WE welcome these new clerical trainees who joined the Company at Writtle Road in September to start a one-year or two-year training scheme.

Front row (left to right): Jennifer Rainbird, Carol Coppin, Jennifer Ambrose, Susan Hodges, Lyn Lodge and Suzette Evans. Back row: Sandra Stevenson, Jill Turner, Amanda Reeve, Anne Cave, Ann McConnell and Tracey Hawkes.

ECHO smile



"I can see a lot of water..."

Contributions

NEWS items, photographs, letters and other contributions for the Christmas issue of ECHO are now welcome. Copy date is November 26.

Your contact is Arnold Smith, Editor ECHO, MRSL, New Parks, Leicester. Tel. (0533) 871331, Ext. 313, Int 577. Or material may be handed to Christine Merrill, Assistant Publicity Officer, at Writtle Road.