

### MOTTO FOR THE MONTH

Against stupidity the very gods Themselves contend in vain.

See inside for your pull-out guide to our **OPEN DAY** for the Family

# NAILSEA TEAM BRING IN THE OIL

With the start of production from the BP Magnus Oilfield in August, six years of work by the Offshore Projects Group now based at Nailsea have come to fruition, bringing prospects of success in the increasingly important market for remotely controlled underwater oil wells.

This is an important milestone for Nailsea, where the team of engineers originally formed within ISD at Rochester has now grown to about 25. Out of the 200 people in the new factory near Bristol, another 25 engineers are in the Power Conversion group, and the remainder are associated with the manufacture of the equipment much as in a Rochester division.

The Magnus field, which was recently inaugurated by the Prime Minister, consists of a conventional platform like many others in the North Sea and elsewhere, but with the innovation of seven satellite oil wells at distances of up to four miles from the main structure. It is the remote control of these wellheads which lie under 600 feet of water that is now made possible by a combination of advanced techniques which are a development of microprocessor technology first used in our more conventional avionics projects. Since the need is

*The subsea electronics module SEM, (shown at right, partly dismantled), is wired to the comprehensive test equipment with which its operation can be fully checked, in conjunction with platform-mounted telemetry master stations.*

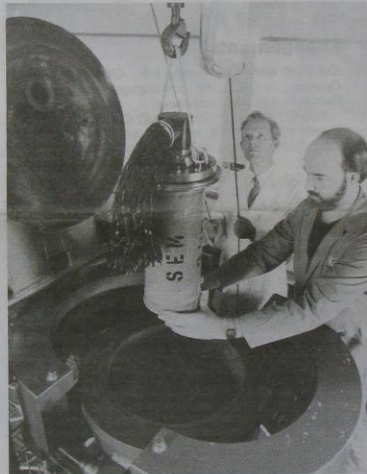
*David Pearce (foreground) Senior Development Engineer in the Offshore Projects Group, is carrying out final checks prior to the equipment being installed in the deep-water pressure chamber behind.*

*Peter Jones, Development Engineer, is getting the chamber ready. David originally joined the company at Rochester and moved to Nailsea in 1981 with his wife and son. Peter has been with the team for 2½ years and came from Wales via Bristol Polytechnic.*

*The SEM is now being lowered into a 4,000 psi pressure vessel capable of testing to 8,000ft simulated depth. The current test programme is for depths of 4,000ft to cover all potential new applications so far envisaged.*

*Gary Clark, Senior Design Engineer, is pictured guiding the SEM into the pressure chamber, whilst David Pearce operates the winch.*

*Gary comes from Australia and was one of a number of graduates who joined MAV in 1978 from universities down under. He started in ISD and has been in the undersea group for six years. He was on the Magnus platform on the day the oil started to flow.*



for a system which can be installed and operated on the seabed without the need for divers, the principles of high reliability and ease of replacement are important in the same way as in aircraft – indeed inaccessibility and uncomfortable environments over a long term are far greater. Additionally, the software which performs the measurement and data handling tasks in conjunction with the subsea electronics and rig-based computer is purpose-designed by the specialists in the team.

The MAV systems work in conjunction with the electro-hydraulic valves provided by NL Shaffer of Houston, Texas, a company with a high reputation as the leading supplier of subsea systems for offshore drilling and production. The two companies have had a teaming agreement since 1977, and by their own resources have developed the new types of 'fail-safe' systems which have the potential for working in depths up to 8000ft of water, at distances of 7 miles or more from the platform.

Such installations are seen as the most cost effective way of tapping oil reserves which are too small or in water too deep to justify the installation of platforms. With the inevitable run-down of the main fields now producing, the potential business is not small. Nailsea's achievement within the BP Magnus production schedule and at the contracted cost is significant in view of the large number of the world's undeveloped fields which lie under deep water.

*Picture shows the SEM (right) with its cover removed. John Tiltman (foreground) Senior Software Designer, is checking out the program for a new application, with Peter Grimes, Development Engineer.*



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Marconi Avionics News  
Editorial Office  
Training Dept.  
Airport Works  
Rochester, Kent  
Tel: 44400 ext. 188  
(int. 2835)  
Editor: Francis Latter



**Liaison Officers:**

Lynn Roberts, Atlanta, USA  
Gerry Rich, Nallosea  
Beryl Downe, Accounts  
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Ken Castle, Ann Smith, D.H. Peels, ATE  
Enk Loft (Calibration) and John Brambleby, GYRO  
Others are required for: COD, RAS

Volunteers should offer their services through Divisional Administration Officers or direct to the Editor.



Just 'Open Day' hitches, the painter & window-cleaner can't agree which job has priority. Pretend you haven't noticed.

**CASTAWAY**

This month's castaway is **Steve Fitton** who is a Tester in ADD. Steve has interests other than music and reading, especially his hobby of photography and keeping up his flying hours on the Robins. However he is now engaged to be married so priorities may change.

**MUSIC**

1. 'Mr Bojangle' from the LP '20 Golden Greats' by Neil Diamond - This shows that you can gain a lot from the simple things of life.
2. 'Empty Chairs' from the LP 'American Pie' by Don McClean - A song with a lot of meaning.
3. 'Hard headed women' by Cat Stevens.
4. 'Today' from the LP 'An Evening with John Denver' - This one always relaxes me.
5. 'Memory' from the LP 'Love Songs' by Barbara Streisand - It would remind me of home.
6. 'Hymne' from the LP 'Opera Savage' by Vangelis - Listening to this always makes me feel good.

**BOOKS**

1. 'Cider with Rosie' by Laurie Lee - For no particular reason, I just like it.
2. 'The Cruel Sea' by Nicholas Monserrat - It shows what man can endure.
3. 'Lord of the Flies' by William Golding - This shows what man can degenerate to, if allowed.

## Congratulations

### 'New Production 'Morris Minor'

On Friday, 9th September Barbara Morris, Sales Department, and her husband Graeme, Engineering Department, Gyro Division, were presented with many gifts on the occasion of Barbara leaving the Company to await the birth of their new Morris Minor. Barbara has been with Gyro Division for 7 years and during that time made many friends. Her quiet pleasant personality will be greatly missed around the Division, but all her friends and colleagues wish both her and Graeme the very best of luck for the future."



### 21st Birthday

Tracey MacGregor, Purchase Progress Clerk in Gyro Division, celebrated her 21st birthday on Friday October 28th.

### Engagements

Our best wishes to Wendy Ellis, Office Machine Operator in CACD, on her engagement to Dale Riddell R.N. of HMS Pembroke.

Also to Julie Harrison of ADD QA and Andrew Hunter of ATED QA, engaged on October 13th. Congratulations from their friends and colleagues.

### Marriages

#### Mr Mark Boxall and Miss Gail Head

Mark joined the Company as an apprentice in 1973. He left in January 1978 and rejoined on 15th September 1980 as a fitter in Powerplant Systems Division. Production Manager Mick Meakin (left) made him a presentation and all his friends and colleagues in PSD wished him well on his marriage to Miss Gail Head on 3rd September, 1983. Gail is a Company Secretary to New Scotland Yard. (D)



## Have you lost anything?

The following property has been found during recent months and any claimants should contact the Security Supervisor:

- Black umbrella.
- Gent's gold ring, stones inset.
- Pocket knife.
- Pair of binoculars.
- Silver identity bracelet.
- Silver bracelet with name 'Lesley'.
- Silver ring.
- Lady's watch.

## How to help our secretaries to catch the post

1. Never start work first thing in the morning. We much prefer a terrific rush in the late afternoon.
2. Please smoke while dictating, it assists pronunciation.
3. Do not face us while dictating, this would be too easy for us.
4. Times for dictation, during lunchtime; any time between 4.30p.m. and 5.30p.m.
5. When dictating please parade up and down the room. We can hear you more distinctly.
6. Please call us in for dictation and then proceed to sort out papers, look up old files, telephone, etc.
7. Please lower the voice to a whisper when dictating the names of people, places, etc. and under no circumstances spell them to us. We are sure to hit upon the right way as we know the name and address of every firm, person and place in the world.
8. If we do not hear a word and you are asked to repeat it shout it as loudly as possible. We find this more gentlemanly. Alternatively, don't repeat it at all. We have second sight and it may come to us.
9. Whenever possible, endeavour to keep us late. We have no homes and are only too thankful for somewhere to spend the evening.
10. Should a letter require a slight alteration after it is typed score the word through heavily and write the correct word beside it, preferably in ink or heavy pencil and always make the alteration on the top copy.
11. Should we be too busy to take dictation, please write letters blindfold with a blunt pencil in the left hand. Incorrect spelling, balloon, arrows and other diagrams are very helpful to us.
12. With regard to statements, do not on any account use lined paper. If figures are altered please write heavily over those previously inserted, the correct figure in each case being the one underneath.
13. Should work be required urgently (a most unusual occurrence) it aids us considerably if you will rush in at intervals of 30 seconds to see if it is done.
14. If extra copies of a letter are required this should be indicated either after 'Yours faithfully' or overleaf so as to ensure that it is the last thing the typists see.
15. When we stagger out carrying a pile of files please do not open the door for us; we should learn to open it with our teeth or crawl under it.

## INNOCENT FUN

Much innocent fun was derived from the "Tasteless Tie" competition held in the Production and Commercial Departments of Gyro Division on Friday 16th September.

The Judges - Tina Pond, Lesley Weston and Jo Randyll - encountered some initial difficulty in eliminating unintentional entries, notably Frank Hogan, but after clarification the following were adjudged successful:

- |                         |   |
|-------------------------|---|
| <b>1st Darrel Jones</b> | Bright yellow rain puddle pattern on black                        |
| <b>2nd Jim Carter</b>   | Yellow, green and orange pseudo-paisley pattern                   |
| <b>3rd Ted Elvin</b>    | Pink, white and blue diagonal strip in net curtain border pattern |
| <b>4th John Smith</b>   | Yellow, green and orange, etc. diagonal stripes                   |

Subsequent to the judging moves were made to disqualify Darrel Jones on the grounds that his entry had won previous competitions, and John Smith because of his professional status.

Jim Carter earned additional points for his initiative in wearing a matching pocket handkerchief and Ted Elvin's entry was more suited to a beautiful baby or frilly knicker competition.

Interestingly, most entrants had conceded victory to Derek Moore with his white, blue, red and orange Christmas scene on a green background but our lady judges thought it was "very pretty".

Rumours that the ladies of the division were planning to upstage this event with a braless jumper competition have proved to be without foundation or support.

# A Warm Welcome to the 1983 Intake of Trainees



Most of the young people who joined the company in September are gathered here at the Training Centre, Hopewell Drive. YTS Trainees, Apprentices, Commercial Trainees, Student Technologists and Trainee Computer Programmers are now starting on programmes which often extend over four years.

## CAREER COUNSELLING

FOR ENGINEERING AND  
PROFESSIONAL STAFF

An opportunity to discuss your  
career aspirations

Contact:  
**Christine Carter**  
on extension 2367 for an appointment

## BRAIN TEASER

### ACROSS

1. Kind of cat
2. Duplicate
3. Form of typing
4. Right of further publication

### DOWN

1. Views
2. Indebted
3. Vegetables
4. Sagacious

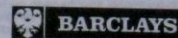
Submitted by R. Graves  
M.A. Rateliving

1	2	3	4
2			
3			
4			

Answers on page 7

## A BIGGER BANKING SERVICE FOR EMPLOYEES OF MARCONI AVIONICS

With so many services to offer you, we thought it was time you had a bigger branch. So we've extended our premises to include an interview room to discuss your financial problems in private. Not only that, but we hold a regular financial clinic once a week to help with any banking problems, so that you get the most out of your money and our services. To celebrate the launch of our newly-extended branch, we're sponsoring a competition specially for Marconi employees. Details will be announced shortly. Meanwhile, we look forward to seeing you on either Monday, Thursday or Friday between 12 and 2 p.m.



## Appointments and Promotions

We referred recently to the secondment of an executive to supervise the training of a new initiative training scheme in this area. The man appointed is Peter Read, known to hundreds of apprentices and trainees as Superintendent of the Training Centre at Hopewell Drive. Taking over from him is Barry Wallington, lately Chief Instructor.



Peter, a native of the Medway towns, spent 26 years in the Navy and attained the rank of Chief Communications Yeoman. He saw service mainly in the Mediterranean, was in destroyers during the war and was captured at Tobruk, spending a year as PoW before repatriation under an exchange scheme. He joined the Company on leaving the Navy in 1961 and started on Inspection in MACD. By 1964 Peter had moved to a post in charge of adult training, at various locations, before going to

Hopewell Drive, where he advanced from Chief Instructor to Superintendent in 1972. His new task is to be in charge of the training of around 40 young people, recruiting for a number of local employers in the trades of plumbing, motor vehicle repair, light engineering, electronics and appliance repair. This scheme is providing support to the scheme in a number of ways as well as by Peter's secondment, while looking forward to the challenge of this new venture he also hopes to be able to devote some more time to his recently disabled wife.



Barry Wallington – Superintendent, Training Centre, Hopewell Drive

Barry was also born and bred in Medway. In 1951 he started his apprenticeship in the Dockyard to the electrical fitter's trade and in 1956 he joined REME as a regular. During his 3 years' service he was in North Africa and in Cyprus during the crisis there. In 1960 he joined the Company as Wireman in IND working on Blue Steel, becoming Technical Assistant in IND, spending

some time on night shift. His full time involvement in training started with the appointment as Instructor at Hopewell Drive in 1973, rising to Chief Instructor about a year ago. Barry has spent the last few months designing the Company's Youth Training Scheme programme, and now succeeds Peter Read as Superintendent of the Training Centre where he will be responsible for nine instructors and around 100 apprentices and trainees.

Barry also spent 10 years with the Royal Marine cadets, becoming Drum Major and appearing with the band eight times at the Royal Tournament. His family is his wife Sheila and two teenagers, he is a church warden at Christ Church Walderslade and is much involved in their rebuilding project. He also finds time for winemaking.

Recent appointments include the following, to whom we offer congratulations.  
**Dennis Butcher**, Contracts Manager, PSD  
**Dick Amos**, Project Manager, IND  
**Sean Hallett**, Project Manager, MASD  
**Derek Lamont**, Principal Development Engineer, ATE  
**Trevor Heyworth**, Chief Production Engineer, CACD  
**Ray Skinner**, Foreman, CMS  
**Paul Jessup**, Foreman, AS&RD  
**Frank Wood**, has taken the post of consultant Engineer in ISD, and **Irvine Gray** succeeds him as Head of Technical Publications.

### HOW TO GET IT WRONG — TWICE

Two hunters chartered an aeroplane to fly into the Canadian wilderness. Two weeks later, when the pilot came back to pick them up, he saw the two animals they had bagged and said, "I thought I told you guys that I could only take you and ONE moose. You'll have to leave one moose behind."

"But we did it last year in a plane this size," protested one of the hunters, "and the pilot let us take two." Now, you don't want to tamper too much with a pilot's ego, so he said, "OK, if you did it before, I guess we can do it again." So the two moose and the hunters were loaded on.

Because of the heavy weight, the aircraft climbed with difficulty and was unable to clear an obstructing hill. After the crash, the two hunters climbed out and looked around. One hunter said to the other, "Where are we?" His companion surveyed the scene. "I think we got about half a mile further than we got last year."

## Elliott AC Triumphs in National and Regional Events

One of the biggest prizes ever collected by the Elliott Athletics Club is the third place won in the AAA Young Athletes Road Relay Championships at Sutton Coldfield at the beginning of October. In this inaugural event James Barton, Ian Taylor, David Jones, and Guy Osborn who are all just 13 years old, finished with the bronze medal out of 79 team entries. At one stage the Elliott team was heading for a silver, having pulled up from tenth position in the early leg of the 2¾ mile race.

Elliott AC's boys' team came sixth in their event; Andy Netts, Stephen Fury, Matthew Stickels and Martyn Bell were the first southern team home. The Club's youths' team reached 18th place in their race.

On the previous day a different set of youngsters performed with distinction in the Hastings 1066 road races; Elliott teams won first and second places in the Colts' event, with Christian Whiting collecting the individual silver. Blake Morris gained a silver in the boys' race in which the team came second.

Again on the same weekend the first Kent Cross Country League match of the season was held at Tenterden. Elliott came second after a fine run by Alan Guilder who was third; other club runners came 12th, 15th, 25th and in a number of other placings down to 127th.

The previous weekend also produced a splendid club hat trick at Brockwell Park. Youths', boys' and colts' team all emerged victorious at the Herne Hill Harriers Young Athletes League meeting – Matthew Stickels and Martyn Bell achieved first and second places in the boys' 3-mile event. Then in the youths' four-mile race Stephen Fury and Andrew Netts claimed first and second in their first cross country outing as youths. At colts level Elliott came out top by a margin of one point, with B and C teams also in the top ten.

These notable successes are a good omen at the start of a heavily booked winter fixture season. For the interest of supporters a list is given on page 7.

## Glossary of Terms for those on the Up-and-up

"I have heard of him" means  
 "I know somebody who knows somebody who thinks he has met him."

"We worked together" means  
 "I have seen his name in the telephone directory."

"We met sailing" means  
 "I butted in on his conversation and there was no way he could avoid buying me a drink"

"We sail together" means  
 "He needed a crew and I was the only person left in the club-house."

"We've met often" means  
 "He has often bought me a drink."

"We're good friends" means  
 "I have bought him a drink (once)"

"We're very good friends" means  
 "He is the boss (I've bought him a drink often)."

"I have met the Managing Director" means  
 "The Managing Director was looking for an ash-tray"

"Sir Freddie told me . . ." means  
 "I was at his lecture."

"I work for Lord Weinstock" means  
 "I make the tea at Rochester."

"My office is on the fourth floor" means  
 "The other three floors are full."

"Bill liked my idea" means  
 ". . . but he did nothing about it."

"I had a brain wave" means  
 "At last I understand what the rest of them were talking about."

"Nobody else contributed to the meeting" means  
 "I wouldn't let them get a word in edgeways."

For Amusement only

## Do you know MIDDLE NAMES

- Johann \_\_\_\_\_ Bach
- Gilbert \_\_\_\_\_ Chesterton (GK)
- William \_\_\_\_\_ Gilbert (Sullivan's partner) (WS)
- Herbert \_\_\_\_\_ Wells (H.G.)
- Samuel \_\_\_\_\_ Clemens (Mark Twain)
- Elizabeth \_\_\_\_\_ Browning
- John \_\_\_\_\_ Sousa
- Samuel \_\_\_\_\_ Coleridge
- Louisa \_\_\_\_\_ Alcott
- Charles \_\_\_\_\_ Dodgson (Lewis Carroll)
- Thomas \_\_\_\_\_ Edison
- Henry \_\_\_\_\_ Longfellow
- Percy \_\_\_\_\_ Shelley
- Robert \_\_\_\_\_ Scott (explorer)
- Charles \_\_\_\_\_ Darwin
- Frédéric \_\_\_\_\_ Chopin
- Victor \_\_\_\_\_ Hugo
- Franklin \_\_\_\_\_ Roosevelt
- Edgar \_\_\_\_\_ Poe
- Robert \_\_\_\_\_ Stevenson
- John \_\_\_\_\_ Kennedy
- George \_\_\_\_\_ Handel
- Winston \_\_\_\_\_ Churchill
- Arthur \_\_\_\_\_ Doyle
- Thomas \_\_\_\_\_ Elliott (T.S.)

Answers on page 7



# YOUR GUIDE TO OPEN DAY



THE QUEEN'S AWARD FOR TECHNOLOGICAL ACHIEVEMENT TO MARCONI AVIONICS SYSTEMS DIVISION



THE QUEEN'S AWARD FOR EXPORT ACHIEVEMENT 1983

## PRESENTATION OF QUEEN'S AWARDS AND OPEN DAY

Open Day marks the occasion of the Presentation to Marconi Avionics of the two Queen's Awards to Industry - for Export Achievement and for Technological Achievement. This is second time we have received the 'double' award - the first was in 1970. Of ten Awards now made to the Company, six have been for Export, marking our major contributions to the country's drive for overseas business.

### PREVIOUS AWARDS

- 1967 Technological Innovation - Automatic Direction Finder (contribution by Aeronautical Division, Marconi Company).
- 1968 Export Achievement - Elliott Flight Automation.
- 1969 Export Achievement - Elliott Flight Automation.
- 1970 Export Achievement - Elliott Flight Automation.
- 1970 Technological Innovation - Head-up Displays - Elliott Flight Automation.
- 1971 Export Achievement - Elliott Flight Automation.
- 1975 Technological Innovation - Jaguar NAV WASS Marconi-Elliott Avionic Systems Ltd.
- 1978 Export Achievement - Marconi Avionics Ltd.

### MAv - Export Achievement

This award is to the whole Marconi Avionics organisation, not only Rochester. We therefore commend Borehamwood, Basildon, Nailsea, Milton Keynes, Welwyn Garden City, Radlett, Peterborough, and Byfleet.

The achievement is an export performance which includes boosting by 80% our share of the world's avionics electronics market over the past five years. This brings our contribution to GEC corporate exports to 13% of the total, or within sight of £150 million. We supply more goods to this market than all other western avionics manufacturers together, and to over 70 countries - the names of which start with every letter of the alphabet from A to Z.

The Awards are being presented by Her Majesty the Queen's personal representative, The Lord Lieutenant of Kent, Robin Leigh-Pemberton Esq., who is also Governor of the Bank of England; they will be received by two people who must until the occasion remain anonymous.

Many distinguished visitors are coming to the Company on this day, as well as management guests from our sister MAV establishments and representatives of their employees, also other parts of GEC.

To the Lord Lieutenant, our guests, and to all families and friends who are coming to Open Day to see our activities, MAV News extends the warmest of welcomes on behalf of all Rochester employees, to whom this day belongs.

### MASD - Technological Achievement



### PROGRAMME OF EVENTS

- 10.00 Establishment open to visitors.
- 11.00 Corporate Exhibition in Conference Centre closes - arrival of special guests.
- 11.30 Arrival of The Lord Lieutenant of Kent.
- 12.30 Commencement of ceremonies for presentation of the Queen's Awards. (Main Canteen - invited guests only) - Corporate Exhibition reopens.
- 1.00 Award for Technological Achievement and Scroll taken to
- Approx. Maritime Aircraft Systems Division.
- Award for Export Achievement and Scroll taken to Corporate Exhibition.
- 2.15 Lord Lieutenant and selected guests leave from Conference Centre to visit Sea King Helicopter.
- 2.30 Lord Lieutenant and party arrive to tour Maritime Aircraft Systems Division.
- 3.00 Departure of Lord Lieutenant.
- 4.00 Establishment closes.

A major threat to our security and that of our allies is posed by the massive fleet of Soviet submarines - both nuclear-powered and conventional (diesel-electric) armed with inter-continental and short-range ballistic missiles as well as with torpedoes, some of which are nuclear-tipped.

The principal method of detecting submerged submarines is to suspend hydrophones in the sea to pick up the noise made by their engines, or their movement. The hydrophones can be suspended from air-dropped sonobuoys or from helicopters. The received noises are transmitted to an acoustic processing system in an aircraft or helicopter for analysis and are used as the basis for detection, recognition and localization of submarines that could otherwise operate undetected.

Maritime Aircraft Systems Division is a major supplier of these systems both at home and for export. Its technological innovation applied to the design of the AQS-901 system for the NIMROD MR Mk2, and later to the AQS-902 system for the Sea King Mk5 Helicopter, and the AQS-903 for the next generation of fixed wing anti-submarine aircraft and helicopters, has been recognised by the Queen's Award for Technological Achievement to the Maritime Aircraft Systems Division.

The AQS 902 system installed in a Royal Navy anti-submarine warfare Sea King Mk5 helicopter.

# WHAT TO SEE -

## Aviation Service Repair Division Flying School

ASRD will treat the Open Day as one where its staff can show their friends and relatives where they work and what they do. It will also give them the opportunity to introduce their friends and relatives to their working associates and their families.

A rest room will be provided in the hut and also refreshments will be available. A control centre will be located in the second right hand door of the hut where any queries will be satisfied.

There will be no moving exhibits with the exception of the Interactive Video Disc, however, each of the departments will have examples of their products in clear view, this will include the Workshop, Systems Department with its very elaborate Computer Systems, Technical Publications Department which will have on view sophisticated Word Processors, Phototypesetters, a Graphics Terminal and extensive Printing and photographic equipment. Although there will be no moving exhibits ASRD is sure that a pleasant and informative day will be had by visitors to the division.

## Central Quality Department Flying School

The Open Day presents an opportunity for visitors to see the newly laid-out Environmental Test Laboratory. Demonstrations with a visual impact are being planned to illustrate the use of the various facilities.

The Climatics Section will be demonstrating some of the strange effects caused by high altitude (e.g. on boiling points and on dielectric breakdown).

The Mechanical section's newly installed high power vibration system will be demonstrating the effects of vibration on electronic black boxes.

The Standards Laboratories will be demonstrating their capabilities over a diverse range of measurements. The latest techniques of computer controlled calibration of electrical measuring instruments will be on show with the opportunity of some "hands-on" experience for visitors. Temperature measurement using a variety of devices and precise air-flow measurement will be demonstrated. In the Mechanical Standards Laboratory the latest computer controlled measuring equipment capable of rapid measurement of complex fixtures will be on show.

## Rochester Airport Services Flying School

Rochester Airport, which is operated by the Company, will be open for visitors (it always is) and the Company Aircraft (2 NAVAJOS and 1 AZTEC) will be on view as will the hangars and the Air Traffic Control Tower.

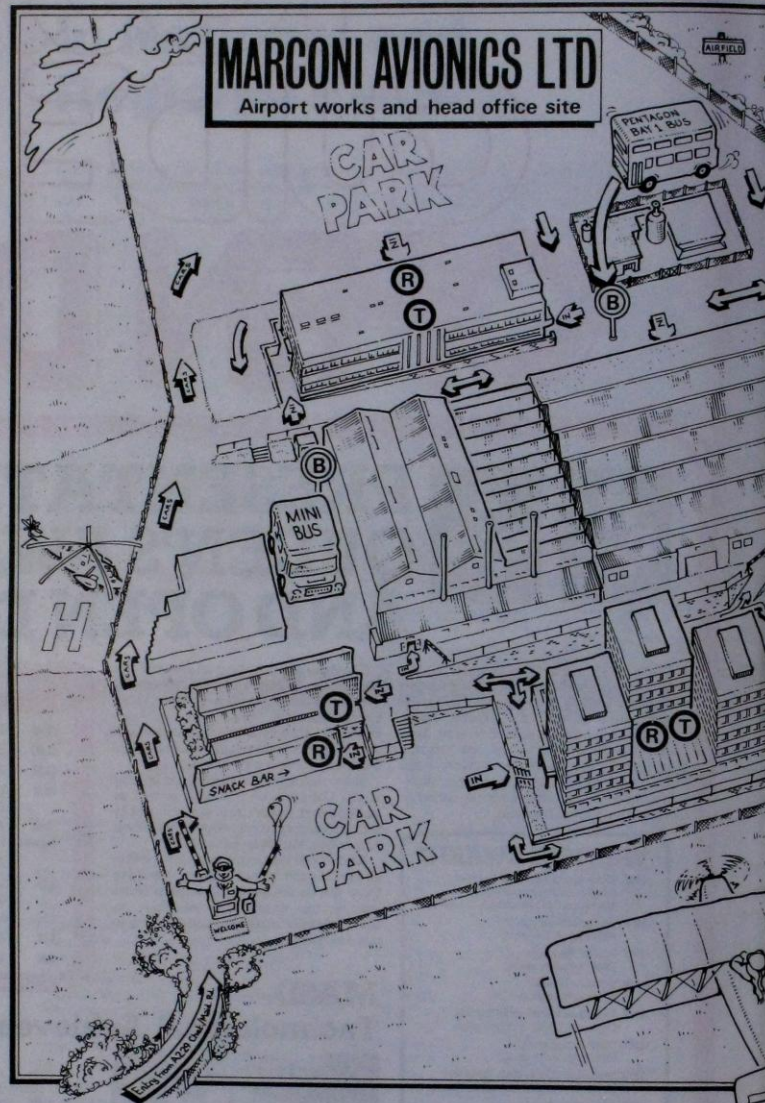
Visitors are asked to use caution when crossing the aerodrome as normal week-end flying will be in progress. Please obey the traffic lights.

## Flight Automation Research Laboratory New Road

Those who are sufficiently intrepid to venture down to the Flight Automation Research Laboratory at New Road, Chatham, will be rewarded with a rare glimpse into future technology.

This will include a story-telling computer (personalised of course!), an over-worked robot, an aircraft for pilots with both feet on the ground, a microprocessor that understands human speech (answers back too!) and high resolution, colour displays to make any space invader jealous.

There will also be demonstrations of how light can control an aircraft, carry information and measure pressure, as well as the use of computers in the design of optical systems and large scale integrated circuits.



## Corporate Exhibition

As well as the displays in the divisions, you can see a Marconi Avionics exhibition. This will be open from 10.00 - 11.00 and 12.30 - 4.00 (private viewing between 11.00 and 12.30). It is in the new Conference Centre next to the Main canteen block (Conference rooms 1 and 2).

There are six sections:

**The Marconi Avionics Business** - This summarises the range of MAv products and their application on land, sea and in the air.

**The MAv Operation** - Portraying the world-wide nature of the business, the structure of the Company and its organisation.

**The MAv Divisions and Corporate Services** - What the divisions do, with examples of products. Portrayal of Research, Production, Quality Assurance and Support.

**The Origins of MAv** - The developments from Elliott (1800) and Marconi (1900) to the present day. Featuring some of the early products and archive material.

**Queen's Award Successes** - Exhibit of Queen's Award and audio-visual presentation of background.

**MAv Interactions** - With suppliers and sub-contractors. With the community. By the Social Club and other extra-mural activities.

## Outdoor exhibits

Royal Navy Sea King helicopter - for viewing but not for getting in.

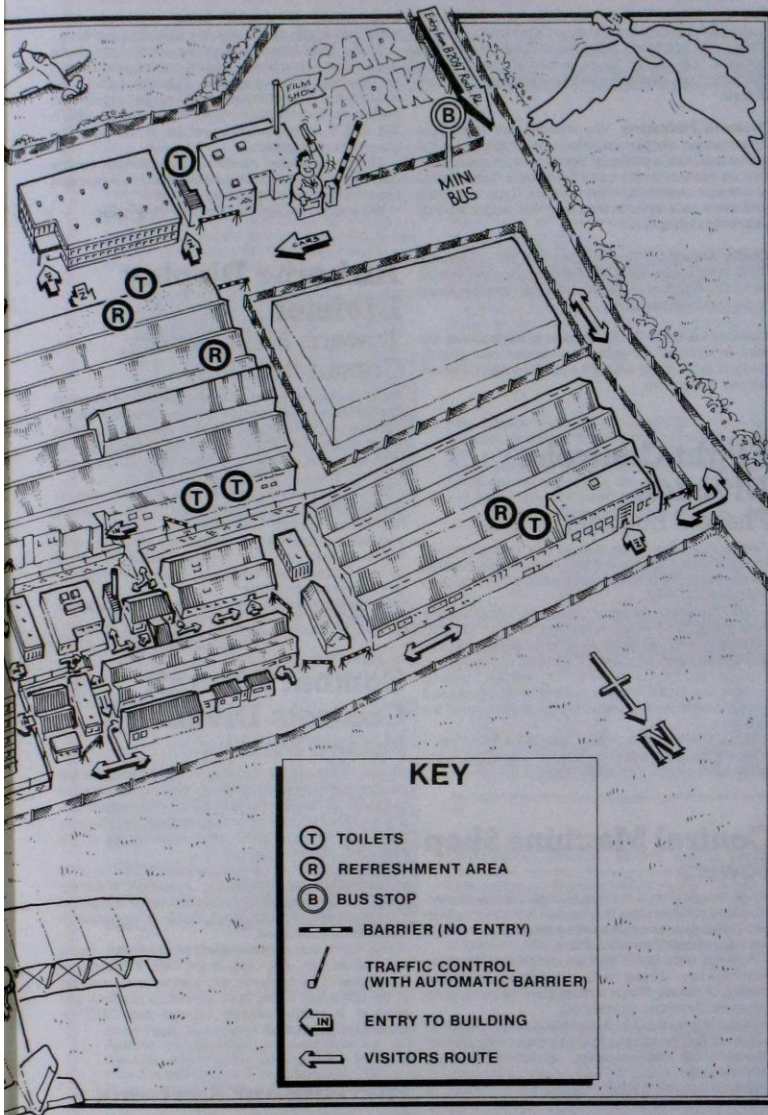
Nimrod MR Mk1 - the RAF's full scale working mock-up of a submarine hunting system in a Comet fuselage. This will be set up and demonstrated by an RAF team.

Both will be parked on the Towers Car Park.

Also, Special Deputy Sheriff Jimmy Hodge will be around with his genuinely-appointed US Sheriff's car from Fulton County, Indiana. Kids of all ages who have not yet met him on one of his school road safety visits will want to see this. So will those who have!

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# WHERE TO GO



## Training Centre Hopewell Drive

Of particular interest to apprentices' and trainees' families but all visitors will be welcome. Displays of facilities and trainees' work.  
Shuttle transport will be available.

## Social Club Displays

During the afternoon you can see in the Main Canteen a varied programme by some of the MAV/BP Club sections:

- The Marconi Avionics Brass Band
- A Popmobility display
- An Athletics display
- Sub-aqua section display
- Golf section display

And to round the day off

## GRAND OPEN DAY DANCE

with  
**THE DYLAN BAND**  
MAV/BP Kent Club-house, Hoo  
8.00 - 11.00  
Admission Free

## Electronic Data Processing Division Tower 3

The EDP computer rooms on the Mezzanine Floor will be on view, with the two ICL 2904 computers and the Microdata 8800 Sovereign installation operating a normal shift.

The following will be on display:-

- ★ A large wall chart showing the business computing services provided by EDP and the inter-relation of the various projects, together with many examples of the documents and reports produced.
- ★ A communications chart showing the EDP computers, their inter-connection and their communication with the divisional terminals at Rochester and the main-frame computers at the GEC Computer Centres.
- ★ A diagram showing the structure of EDP and the responsibilities of its component departments.

As a brief and light-hearted exposure to interactive data entry, visitors will be able to input their own data at a video terminal and print out their personal biorythm charts.

## Automatic Test Equipment Division "Thorns" Building

ATE division intends to put on its most spectacular show for Open Day visitors. There will be something of interest for all, whether it be the computer-driven competitions, the displays of mechanical expertise by machinists, the challenging tests of skill or the enormous capability of our products, we shall try to make it all come alive on Open Day.

A 'walk about' route has been specially prepared to enable visitors to see as much of the division as possible, where we all work, the tools we use and what we do. As a VIP visitor you can have a rewarding tour with someone around to explain or demonstrate particularly interesting features.

ATE division will provide refreshment facilities, a place to sit down and rest a while and a going away bag of goodies of interest to young and old.

## General Information to help you

Our Security staff will be on duty at full strength to guide visitors and take care of any minor crisis such as lost children - anyone young or old who loses contact should make their way to Security Control at the main (Personnel Department) factory entrance.

If you are bringing your car you will NOT be able to use your normal parking space - please follow the directions you will be given. FREE BUSES will link the outlying divisions. Remember also - NO CAMERAS are allowed on the site - secure storage will be available for any that may be brought.

First Aid facilities will be in Surgeries as usual, but note that all security staff are trained to offer first aid if needed.

The site and routes will be amply signposted. Internal notices will direct you and show positions of toilets,

refreshments, and the various departments on show. Although the routes constrain visitors to particular sequences in some areas, you will infact have considerable choice as to how you tour the site.

## Transport arrangements

You cannot expect to park in your 'usual' place - please accept the directions of security staff on duty, if you bring your car.

There will be a FREE SHUTTLE BUS SERVICE of M and D buses from Pentagon Bus Station (Bay 1) to a point near the main entrance to Phase 3 building, during the hours of opening.

Company buses will run from the main site to Flying School, New Road and Hopewell Drive establishments.

[www.rochesteravionicarchives.co.uk](http://www.rochesteravionicarchives.co.uk)

# WHAT TO SEE – WHERE TO GO

## Maritime Aircraft Systems Division Main Factory



Whilst it is not possible to open all doors in the division to the public during our Open Day, the equipment which has been supplied to the RAF, RAAF and RN will be shown in the most instructive and interesting manner possible and rigs of three anti-submarine warfare systems will be on view. To support these activities there will be a computer based submarine hunting game and a video recording of some of the equipment being used in the peace-time role.

Our Computer-Aided Design facility will be demonstrated and the Quality Assurance department will be open to show what QA is all about.

Production and Test will be demonstrating printed-circuit card assembly and testing. Last, but not least, the powerful Software Development facility, which is a most important tool for software design and development for systems as complex as the AQS-900 series will be on view.

In MASD, we all look forward to seeing our guests on Open Day and we will do our best to make the visit both interesting and instructive.

Also, Don't overlook the Sea King Mk5 helicopter on exhibition on the Car Park.

## Gyro Division Towers and Main Factory

Although one of the longest established divisions of the Company, the question is often asked "what is Gyro and what does it do?" A Gyro (or to give it its full – name Gyroscope) is a revolving wheel supported in gimbals or rings. Supported in this manner, its inherent physical characteristic of maintaining a constant attitude with respect to its external surroundings can be used to steer and control air, space, land, sea and underwater vehicles. Gyro is not to be confused with Giro, which is a bank credit transfer system by which money is made to rotate!

Various types of gyros and gyro systems are on view within the division, together with a practical demonstration (in Main Hanger – North Side) of using a gyroscope to measure the rate of rotation of the earth, and display this in a form of a time clock. Gyroscopic precession, one of the mysterious properties of a gyro, is also demonstrated (Tower 3 Floor 4) by showing that if you push the axle of a rotating gyro wheel in one direction it moves off in another.

Light refreshments are available in the Gyro Division Conference Room (Tower 3 Floor 4), and for our younger visitors, or those who have an interest in video games, the adjacent computer area provides an opportunity to try your skill against Sting Ray Torpedo.

## Inertial Navigation Division Huts and Main Factory

**Production Department.** See what we make and how we make it and test it – the secrets of the "Black Boxes" will be revealed. Jaguar Nav/Wass, now in its twelfth year of production for five air forces and an earlier Queen's Award winner, NCS1, which helped to aim the naval guns and missiles in the Falklands, will be seen complete and also in their smallest possible bits. Learn how rock and roll plays an important part in electronic production and how super-clean means just that. Try your hand at soldering and watch the experts making it look easy. Let the children have a go at electronic games – if they can get through the crowd of adults.

**Engineering Department.** Before Production can make it, Engineering have to design it. Come and see what is involved. For example how we ensure that things don't break when exposed to heat and vibration in an aircraft. Why small is beautiful and how. What pilots will be looking at in the future. How tanks will find their way with Mavians. For those who think that computers are black magic, find out how friendly they really are. Learn how a computer program is written. Try your hand at guiding an aircraft by pressing buttons and see how a computer helps to find submarines.

**Drawing Office.** Engineering design it – Production make it. Make what? The Drawing Office has the answer. Every part produced, from the simplest to the most complex, has to be drawn in minute detail before production can start. See how this vitally important work is done.

**Technical Publications.** You wouldn't start using your new washing machine or video without looking at the instruction book, would you? Nor do our customers. They rely on manuals produced by Tech Pubs. You've heard of word processors. See one in action. Type something and see it on a video screen and then watch it being printed at high speed.

**Quality Assurance.** The conscience of our community. They keep Engineering and Production on the straight and narrow path of producing what the customer wants at the required standard.

**Commercial/Sales.** The sordid side of our business, but what would we do without contracts, cost control, budgets and actually selling the product. Also it's where our pay comes from.

## Flight Controls Division Phase 3 Building

Visitors to FCD will be able to tour production and engineering areas where exhibitions will show the tasks involved in development and manufacture of a modern flight control system.

The Marconi Avionics Computer Appreciation Society MAVCAS will have a stand showing the BBC Microcomputers which many employees are buying. Children will be able to fly a 747 Jumbo flight simulation. A slide and sound presentation will be running continuously explaining how flight control systems and autopilots work and covering the main activities of the division.

There will be various other diversions for children including the opportunity to use some of the machines in the division.

## Central Machine Shop Towers

We have a display of modern sophisticated computer-controlled machine tools, producing a variety of intricate mechanical components for use by other divisions of the Company to ease their assemblies.

With the advance in technology Central Machine Shop have kept abreast by the introduction of adhesive bonding of chassis. This is in addition to the recognised processes of riveting, welding, etc.

An important part of a Central Machine Shop function is in the field of painting and plating where components, sub-assemblies and final chassis are finished to a very high standard.

With its staff of 210 people Central Machine Shop, as well as having in-house computer programme facilities, also offers tool design and production engineering advice to other divisions as part of our service.

## Powerplant Systems Division

PSD will have exhibits set up in three locations, as well as products in the conference room general display. The first exhibit is located in the production area on the second floor of Tower 1, where the current products of the division are on show. These comprise several electronic units for measuring fuel flow and aircraft engine performance, in the Tornado and Boeing 757 systems, with a working exhibit of the Tornado's RB199 engine test system, where visitors can participate in a simulated engine test.

In the fuel flow laboratory we show the development work being undertaken in this unique building. The exhibits are the testing and performance enhancement work in small engines for unmanned aircraft and the next generation of transducers for fluid content and flow

measurement in aircraft, being evaluated under conditions which closely simulate aircraft fuel systems.

At the New Road building, we concentrate on the development activities to support current products and to develop future products. Exhibits include the simulation and programming facilities used to prove the performance of the supervisory control for the RB211-535 and a further working exhibit of the automatic powerplant test system.

Also a prototype electronic reversionary cockpit display and a development unit for the maintenance data panel for the new agile combat aircraft.

We wish you an enjoyable visit to our division.

## Airborne Display Division Towers, Main Factory, Corsair Building

Airborne display division is the largest of the divisions at Rochester and the world's leading manufacturer of cathode ray tube display for both head-up and head down applications. Our equipment is currently fitted to such aircraft as the General Dynamics F16 fighter, the "RAF's" "Tornado" and Maritime "Nimrod".

Being a visual display division we are able to demonstrate our products in, we hope, a readily understood manner and feel sure there will be something of interest and amusement for our Visitors whatever their age. Our exhibits include, computer games, 3 dimensional holograms, working pilots head-up displays and film show.

We wish all our guests an enjoyable and memorable day with us.

## Combat Aircraft Controls Division Phase 3 Building

Visitors to CACD will be able to see all areas of the division and particularly the areas where their friends or members of the family work. Each department will display information such as departmental organisation, tasks and responsibilities, and presentations of the projects in which they are involved.

Representatives of each department will be on hand to discuss their activities and display material, which will range from presentations of video facilities to displays of hardware and equipment as appropriate to departments and projects concerned.

It is hoped that our visitors will have a happy, useful and informative day, and leave with a favourable impression of the company, and a wider understanding of the many and varied high technology products and services in which Marconi Avionics and CACD in particular are involved.

## Instrument Systems Division Towers

In addition to a display of our Air Data and Stores Management systems ISD offer you the unique opportunity to try your hand at Computer Aided Design using the latest Applicon Computer and to assemble a Printed Circuit Board using the Dynacam Automatic Assembly equipment.

Videos will be shown of rocket firing Cobra Helicopters and Automatic Ejection from aircraft. You can also see visual training programmes we have produced for Cobra Helicopter, Air Data Systems, Tornado Stores Management System, Standard Air Data Computers and Magnus Field Undersea equipment for the BP oil rig in the North Sea.

We offer a wide selection of computer games and competitions for our younger visitors (and any older ones who like to try their skill).

[www.rochesteravionicarchives.co.uk](http://www.rochesteravionicarchives.co.uk)

20 1003 PP&P Printed in England



# 25 YEARS' SERVICE

September has been a vintage month with no less than five ex-apprentices who started their careers with the Company on the same day in 1958 receiving their long service awards. Among these five is the new LSA member registered as the 500th — a landmark in the Rochester Long Service Association history which now enters a new phase with the splitting away of the Fisher Controls members.

**John Moon** joined the former MACD after his apprenticeship working as Technical Assistant on the TSR2 project. When that closed he went to IND as an engineer working on E3 platform development, and in 1972 went to Rosyth Dockyard for 5 years for system refitting work on Polaris submarines. On his return to Rochester he joined MASD and is now working in their computer room. John's wife and daughter are his main interests together with steam railways.



John Moon (L) receives his wall clock from Divisional Manager, Bob Wilkinson (A).

**John Clover**, Production Manager of ISD, having completed 25 years service with the Company on 9th September received a presentation clock from John Colston, Divisional Manager.

John joined the Company in 1958 as an apprentice and later joined the then Flight Instruments Division as



John Clover receives his presentation clock from John Colston, Divisional Manager.

**Chris Frost**, Manager of the Nailsea establishment, received his Long Service Award from Mr. W.H. Alexander who is shown handing over a gold watch. Chris transferred from Borehamwood in 1959 as a Project Engineer and by 1962 had risen to Project Leader in MACD. His long association with the Flight Instrumentation Division started in 1963 as Project Leader, when he led the team which developed the world's first modular air data computer, a design



an Engineering Technical Assistant. This was the period of development of the Family of Modular Air Data Modules for the BAC-111, C-5A and Nimrod aircraft. Among John's achievements at that time was his marriage to Helen, a long serving secretary to Ron Howard and still well known to many Company employees. Hello Helen!

John moved to Production in 1966 as a Production Engineer and began what he describes as a 17 year apprenticeship with Stan Wells; John himself becoming Production Manager of ISD earlier this year.

John admits to being a bad squash player; brilliant at bridge, an enthusiastic camper, and a producer of quality wines (by the barrel) — His keen interest in Aviation certainly extends to the "Tiger Moth" on Maidstone Road.

**Alan Sibbick** joined the former MACD as Planning Engineer, becoming Project Leader (Production), in 1967. In 1972, after the formation of FCD he was made Project Controller, and at the time of the change to CACD and the move to the new Phase III building he was made Production Superintendent.

His interest include golf (handicap 10) and winemaking.



Ray Reese, Divisional Manager, presenting Alan with a mantel clock (A).

**Trevor Harvey** joined IND Machine Shop as Fitter/Turner, then became a Planner and in 1975 moved to CMS as Planning Engineer, then Production Engineer. In CMS he was involved in many aspects, being concerned with the first introduction of numerically controlled machines — he believes he wrote the first tape programme. After a spell in charge of Tool Design and then in production and materials control, he went in

1978 to ADD for an assignment project in Engineering on the Skyshadow project, and for the last 18 months has been in his present post of Company Senior Production Engineer in the central production team. Trevor plays squash to keep fit and cultivates his garden and collects British Stamps. He is a keen follower of cricket; his son plays for the Marconi colt team.



Trevor Harvey (R), Alan Teers, and the presentation canteen of cutlery (A).

**Alan Bye** went into the Toolroom as Toolmaker in 1962, and by 1968 was Leading Hand in CMS toolroom. He transferred to Gyro Division as Inspector and progressed to Q.A. Assistant, then Q.A. Engineer in 1977. His spare time interests include much to do with aircraft; he was involved in the Spitfire restoration project and is interested in RAeS branch affairs. He is also an amateur radio enthusiast and practices target shooting.



Alan Bye (left) and Divisional Manager Alan Essex (A).

technique which has since become standard practice everywhere. He was then appointed Project Manager for one of the Company's first major export programmes, the Air Data Computer for the Lockheed C-5A Galaxy, the world's biggest transport aircraft. He later became Chief Engineer of Flight Instruments Division and in 1968, was appointed Divisional Manager, then jointly with Ray Reese on the amalgamation into Instrument Systems Division in 1970, and in sole charge of ISD from 1972 until his appointment as Manager at Nailsea in July 1979. Chris has presided at Nailsea during the growth to the present size.

**Bob Pells**, Superintendent IND, was presented with a Carriage Clock by Mr. Ruggles, IND Divisional Manager, after completing 25 years service with the Company.

Bob started his working life as an apprentice at Short Bros. Seaplane Works, working on Empire Flying Boats and Sunderlands, subsequently spending 6 years as Flight Inspector at Fairey Aviation and Heston Aircraft Company, before returning to the Flying School in 1953 to work on the conversion of Sturgeon Aircraft for target



# RETIREMENTS

## A well earned retirement for Harry Faulkner

**Harry Faulkner**, the much loved and greatly respected long serving Administration Officer of ISD finally said goodbye on Wednesday 28th September.

John Colston, Divisional Manager of ISD presented Harry with a Gold Watch; a gift contributed to by his friends in all the Divisions of the Company.

Harry was surprised and delighted when over 100 of his colleagues from the Rochester Divisions attended his presentation to wish him well on his retirement.

Since his youth Harry has had an active interest in music, the arts and sport. As a footballer he played for his school, his county, Isthmian League clubs and the RAF. At the outbreak of war Harry volunteered for the RAF and served as an Officer in Coastal Command at home and abroad. During this time he experienced roles of Squadron Adjutant, Intelligence Officer, Operations Room Controller and on many occasions Entertainments Officer.

After the war Harry spent 15 years with Ultra Electronics where he was Personal Assistant to the Managing Director. Most of his work at this time relating to sonarbuoys and their associated radio and electronic devices.

Harry was recruited to the Aviation Division of Elliott Brothers by Bill Alexander in 1962.

His time at Rochester started with the move of the Autopilot Division from Borehamwood and began a long association as personal assistant to Ray Reese then, later in AEID, and also with MACD. On the formation of ISD he worked with Chris Frost and more recently his duties as Administration Officer have brought him into contact with a host of friends in ISD and throughout the Company.

Harry has been renowned for his responsibility and understanding and has always been a source of valuable advice to personnel at all levels. It will be mainly for those friendly and helpful personal relationships that Harry will be missed.

We all wish him a long, a happy and a very well earned retirement.



John Colston, Divisional Manager, presents Harry Faulkner with a Gold Watch from his friends across the whole company. (A)

**Mary Deadman** of the Mailing Room retired on August 5th, and was presented by Ron Cooke, Transport Manager, with flowers and a set of crystal from her many friends. Mary has been with the Company for 7 years and now joins her recently retired husband with more time for her interests of gardening, crosswords and keeping in touch with her four grandchildren.



**Peter Anderson** retired from his post as Buyer in ISD recently. John Clover, Production Manager, made a presentation on behalf of his friends and colleagues. Peter's 34 years of service started at Borehamwood as Stores Controller, and after coming to Rochester in 1953 he was responsible for many stores activities in Radio and Radar Division, and for Fuse Division till they moved away, where he was Buyer. He has been with ISD since 1973.



Peter Anderson receives his gift from John Clover, Production Manager.

**Norman Orchard** gained the admiration of many people in MAV and elsewhere for the courageous way in which he overcame his loss of sight in an accident eight years ago. Mr. A. Teers, Acting Divisional Manager of CMS, recalled the circumstances when he made a presentation to Norman on the occasion of his taking early retirement at the end of September. Norman's career started with Pobjoy's, who occupied the area which now includes ATED, at the start of the war; Pobjoy's became part of Short Bros and with them he moved to Bedford and was engaged in the building of Spitfire wings. Following service in the Fleet Air Arm he came to Elliott's, to spend 20 years in ratefixing in the former MAC Division. After the accident Norman's rehabilitation and training by the RNIB led to his being able to resume work with the Company; initially he undertook inspection on the capstan sector in CMS, but more recently the typing keyboard skills he had acquired enabled him to take up programming for the numerically controlled machines in the division. During these recent years Norman and his guide dog Eric have become familiar figures, and he has become involved in many aspects of the work of showing to others blinded like himself how they can resume a useful and satisfying life in the community.

A number of Norman's colleagues and friends including surgery staff and Jack Hetley are pictured. Jack used to be a labourer in CMS and devotes much time to looking after Eric, who himself received a small present from the canteen staff. Norman will be moving back to Bedford to be near his wife's family.



Norman and a number of the friends who have worked with him over the last few years. (D)

**Bert Simmons**, Administration Assistant in Training Department, has taken early retirement. Bert has been with the company 3½ years, after service in the Navy, Electricity Board and BP. His wife Mary was in Accounts Dept for 17 years and retired in 1977, and his daughter Mervina Morgan used to work in the Punch Room. Bert will keep contact with the Company through his activities as secretary and librarian for the Marconi Avionics Brass Band.

**John Hughes** joined the company in 1962 and since then has worked in IND as production controller.

He is a man with many hobbies, photography, fishing, study of buildings included. He spent many years in Canada where he learned to fly.

He has taken early retirement through illness, caused by a motorcycle accident some years ago.

His time will now be taken up with his hobbies, voluntary work for hospitals, and at his caravan in South Wales.



Dave Harries, Production Manager hands over his friends' farewell gift. (A)

**Joan Ellis** retired from the company on the 23rd September 1983 after 10 years in the Stationery Department, 1½ years in ISD and 11 years in Accounts working on the INO Section as a Senior Accounts Clerk.

Joan has done a lot of fund raising for Leukaemia Research, and is going to spend her time dressmaking and gardening. She received many presents from all her friends in the Accounts Dept and a cheque to buy a sun lounger.



Joan Ellis being presented with a bouquet by John Franklin, Deputy Chief Accountant. (A)

**Len Hamilton**, seen here receiving a pair of Binoculars from Keith Snelling, Technical Manager of ISD. He has been with the Company since 1963. Following 22 years in the Navy he joined FID as Production Librarian, and after a period in the D.O. he transferred to Technical Publications. He completed a Technical Author's course and the last eight of his 14 years in Technical Publications have been as Author, with involvement also in the training of apprentices and writers. Len keeps up his interest in naval ships and has travelled in the Middle East.



## Sports Day 1983

### Caption Competition



"I'll kill that Len Murphy, I'm sure he said Sunday!"  
The Prize goes to Dave Williams, ADD  
The runner-up was Vic Haywood, AS&RD:  
"Nobody told me the bar had opened."

## Five Lone Rangers and a Tonto

The picture shows an anonymous Pools syndicate from AS&RD Drawing Office proudly displaying the cheque from their recent win.

The lads say that their record win of £9.60 will not affect their way of life, and the begging letters will continue to be sent out.

The lucky winners' book on how they squandered their win, titled "Spend, spend, spent", is currently being reviewed by various publishers. Negotiations have however been held up because of arguments over television and film rights.



## ELLIOTT AC WINTER FIXTURES

### November

12 South of Thames Junior	Wimbleton Common
19 Dartford AC Club Run	Dartford
Herne Hill Young Athletes Cross-Country league	Brockwell Park
20 Rochester '5'	Rochester
Phoenix AC Road Races	Brighton
26 North Kent Cross-Country Championships	Mote Park
27 Kent Veteran's Cross-Country Champs	Canterbury

### December

3 Kent Cross-Country League	Mote Park
LBH 5 miles Cross-Country	Eastcote
4 Southend '5'	Southend
10 Dartford AC Club Championships	Dartford
17 Elliott AC Club Run (Cross-Country)	Hoo Clubhouse
Hog's Back Road Race	Guildford
Kent Young Athletes Cross-Country league	Canterbury

### January

1 Erith New Year's Day Road Races	Erith
6/7 Osford Games	Osford
7 Kent Cross-Country Championships	Danson Park
13/14 AAA Indoor Championships	Costof
14 Mitcham 25k Road Race	Mitcham
15 Kent AC Trophy Cross-Country	Foots Cray
21 Inter-County Cross-Country Championships	Horsham
Horsham Blue Star Club Run	Brockwell Park
28 Herne Hill Young Athletes Cross-Country league	Horsham
South of Thames Senior Cross-Country Championships	Mote Park

## HANDS

by Patience Strong

Hands were made for doing the tasks of every day,  
Hands were made for helping the lame dog along the way,  
Hands were made for healing hurt hearts and wounded wings,  
Hands were made for mending old clothes and broken things.

## HEARD IN THE OFFICE, AND ODD PLACES

I know it's not as fast as the Triumph, but its a lot cheaper to run!

I don't care if you are scared of the dark — let go of my hand. I would not use that arm for a day or two.

If you don't want the Yorkshire Pudding just leave it on the side of your plate.

Dave! Have you got a minute?

Something about people wanting to look up to her.

## Postscript to Ma-am Weather Forecast?

He looked up to the evening clouds.  
The gnats were flying high.  
Tomorrow's weather would, he said,  
Be warm and calm, and dry.  
Alas! His forecast proved untrue.  
Yes, he was wrong again.  
For after I had washed my car  
It p----d with ----ing rain.

Louis J. Cox (ATED)

## STOP PRESS

Advance information for club-house Christmas arrangements

### CHRISTMAS EVE and NEW YEARS EVE

DANCES—Admission free for members £1 for visitors

All Sports facilities (squash, swimming, snooker and pool etc) will close at 1.00p.m.

MAV/BP Kent Club-house

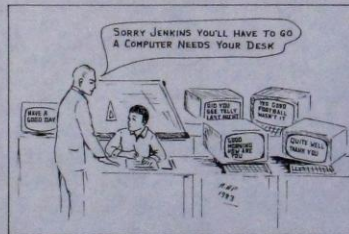
### CHRISTMAS SHOWTIME VARIETY SHOW

Saturday 17th December 8.00p.m.

Tickets £2 from Club Bar

Table Reservations – Waiter Service

Watch notice boards for further details



### Answers to middle names

1. Sebastian; 2. Keith; 3. Schwenck; 4. George; 5. Langhorne; 6. Barrett; 7. Philip; 8. Taylor; 9. May; 10. Lutwidge; 11. Alva; 12. Wadsworth; 13. Bysshe; 14. Falcon; 15. Robert; 16. Francois; 17. Marie; 18. Delano; 19. Allan; 20. Louis; 21. Fitzgerald; 22. Frederick; 23. Spencer; 24. Conan; 25. Stearns.

### Solution to Brain Teaser

ACROSS 1. Copy; 2. Copy; 3. Copy; 4. Copy.  
DOWN 1. CCCC; 2. OOOO; 3. PPPP; 4. YYYY.



## Sports and Social Club round up

### Amateur Radio Society

During the weekend of 20th and 21st August, members put the Club stations 'on the air' for the first time, using the call signs G3PBY/A and G6VSN/A, working from the MAV/BP Kent Clubhouse at Hoo. Although it was only possible to erect temporary aeriels it was a fine opportunity to try out the Club's recently acquired equipment, namely: A Yaesu FT101 HF transceiver, A Yaesu FT220 VHF multimode transceiver and A Jaybeam 14 element parabeam antenna.

All the equipment performed well and an enjoyable time was had by all members who attended.

As most members will know, it is hoped to be able to set up a permanent 'shack' at the MAV/BP Kent Club site in the near future and this is something we look forward to.

The stations were open for MAV/BP Kent Club members to look around and see what amateur radio is all about. We were pleased at the amount of interest shown by all our visitors and hope to have the opportunity to put on a similar demonstration of amateur radio at some future date.

Our thanks go to G8TFV, G3TCI, G3YAK, G3ZH, G4NBQ, G8XLH and G6IVP for lending additional equipment, and to all those who participated in setting up or operating the stations.

Our special thanks go to the MAV/BP Kent Club for allowing us to set up the temporary stations.

Information about Amateur Radio Section activities can be obtained from: 73 from G6IVP  
P. Smith (internal telephone no. 2863) or J. Burton (internal telephone no. 2792)

### Swimming Section

#### Young Swimmers Wanted

Now that the MAV/BP swimming section has acquired the services of ex-Black Lion coach Brian Callier, the section is aiming towards more competitive activities. We are therefore looking to build up our existing nucleus of swimmers for the coming 1984 season.

So all you mums and dads in MAV, if you have any children, boys or girls, between 8-15 years old who wish to train competitively, we need them! Under the guidance of Brian Callier and the swimming section committee members, they will be given first class instruction in all aspects to enable them to achieve B.A.S.A awards in gold, silver and bronze standard as well as participation in inter-club galas and championships.

Squad training is at present every Tuesday and Thursday evenings, 7.30 - 9.00 pm. If of course your children cannot swim we welcome them to join the section for learners, earlier in the evening, 5.45 - 7.00 under Peter Loftus. The cost to join the section is £2 which covers the whole family.

So wakey! wakey! to all those swimmers with other clubs — join the MAV/BP group and let's make MAV/BP a force in the inter-club competitions. Contact Ron Hedgecock, ISD.

### ISD Bowls Report

Once again the winter is upon us and night school and other evening activities will help pass the winter months until the sunny days arrive. ISD open their winter pastime with a new Departmental Bowls Challenge Cup competition at Riverside Indoor Bowls rink.

Teams from:- Production Shop Floor, Engineering, Logistics, Drawing Office, Model Shop and Production Office will be competing for this trophy. Open invitations for any inter-division matches will be accepted as and when bookings at the rink can be made.

Several members in ISD have had a successful and happy season on the bowling greens during the summer.

Congratulations to:- Joe Southworth, Jim Southworth and Ron Hedgecock, runners up in the Chatham Bowling Club Triple League.

Jim Carter, Ron Hedgecock and another, runners up in the MAV/BP Triples cup.

Jim Carter for his success in the Kents Singles and Triples reaching the Sectional Final and Divisional Final respectively.

Ron Hedgecock, winner of the Lloyd Langston Singles cup at Chatham Bowling Club.

Good luck to all ISD personnel participating in the forthcoming indoor bowls season.



# Sports and Social Club round up



## ELLIOTT ATHLETICS CLUB CHRISTMAS DINNER AND DANCE

with  
"THE IN CROWD"

Saturday 9th December 7.30 for 8.00 - 12.30  
MAIN CANTEEN, AIRPORT WORKS  
Tickets £6.00 from Len Murphy

### Rifle Range

The Management Committee, at its meeting held on 15th September, agreed that the rifle range at Hoo should be closed as from 1st November 1983.

The decision follows a period of monitoring, which indicated a lack of usage, and was taken with the full knowledge and support of the rifle section committee.

It should be noted that the rifle range at the airfield will continue to operate under the wing of the re-formed MAV BP Kent rifle and pistol club.

### Golf Society

Tuesday 27th September was the date for the final and, possibly, the most popular competition of the year. As usual, the venue was Lamberhurst G.C a picturesque woodland course.

This year, fortunately, the early starters were able to see the results of their first shots, last year's visibility being a mere 20 yards.

The attendance totalled 45 members who twice made their way round the course (using a variety of routes) and some even managed to avoid the several water hazards.

The climax of the day was the dinner and prize giving. All members enjoyed an excellent meal and sampled the produce of the local vineyards.

Following the meal our President, Alf Harrison, presented the prizes to the winners and expressed his delight at being asked to remain as the Golf Society President.

Congratulations to John Colyer (first), Peter Fowler (second), Cyril Smith (third) and Brian Godden (fourth), their success will be highlighted in the 1984 handicaps.

A perfect end to an enjoyable season!

## MARCONI AVIONICS

### ANNUAL CHRISTMAS DANCE

Monday 19th December 8.00 - 1.00  
Royal Star Hotel, Maidstone



## CLUB-HOUSE ATTRACTIONS

### GOLF CANDLELIT SUPPER AND PRIZEGIVING

Friday 11th November  
(Supper 7.30 prompt)

Dancing to

KING'S RANSOME

8.30 - Midnight

Admission: £5

Tickets on sale from  
M. Broome (Med. 44400 Ext. 448 or 2718 (int))  
or order at Club Bar



### BOWLS PRESENTATION DINNER DANCE

MAV-BP KENT CLUB

Friday 18th November  
Dinner at 7.30pm

Dancing to

SOUNDS VERSATILE

8 - Midnight

Admission: £6

Tickets from

John Bufford Med. 250262 or  
Len Mortley Med. 272181  
(Guest Levy 25p)



### AUTUMN DANCE

with  
WHISPER

Saturday 19th November 7.45 - 11.45 pm

Admission: £1

Tickets from Club Committee and the Bar



### CHILDREN'S DISCO

with

TIP TOP SOUNDS

Friday 25th November 7-10 pm

Admission: 25p

Tickets on sale at Ballroom Door

### COUNTRY & WESTERN EVENING

with

THE ARIZONA COUNTRY BAND

Saturday 26th November 8-11 pm

Admission Free

By ticket only from Committee and Bar

### SOCCER CHRISTMAS DANCE

with

NORMANDY

Friday 2nd December 7.30 - 12.30 am

Admission: £1

Tickets from Soccer Committee and Club Bar



### CHRISTMAS BUFFET DANCE

with

HI - FI

Saturday 3rd December 7.45 - 11.45pm

Admission: £3

Tickets from:

Alan Ponsford Med. 250096 or BP Northfleet 95-56981



### CHRISTMAS DISCO FOR CHILDREN

with

THE A.A. DISCO

Saturday 10th December 7-10.30 pm

Admission Free



MAV-BP KENT CLUB

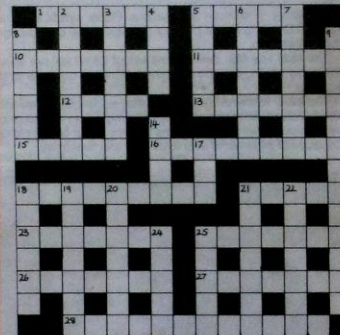
### POOL

open from 11am - 1pm only

CHRISTMAS EVE and NEW YEAR'S EVE

ELLIOTT ATHLETICS CLUB  
CROSS-COUNTRY RUN  
STARTS AND FINISHES AT CLUBHOUSE  
SATURDAY 17th DECEMBER

### CROSSWORD No. 56



For amusement only

#### ACROSS

1. What you look at, or may oppose. (6)
5. To track or follow. (5)
10. An old name for skittles. (7)
11. Name for a modern craze. (7)
12. An ancient Greek silver coin. (4)
13. Company maintaining aircraft in use. (7)
15. Part of haulage company. (5)
16. International language, not popular. (9)
18. A lizard that changes colour. (9)
21. Indian hereditary class. (5)
23. Limb used for swimming. (7)
25. Driver mounted behind these cabs. (7)
26. Obtains by threat or force. (7)
27. One who practices lending at high rate. (7)
28. What the draughtsman reveals cut through (5-7)

#### DOWN

2. Good morning? (7)
3. Pleasantness or smoothness of sounds. (7)
4. A camper's sleeping quarter. (4)
5. In combination of four. (5)
6. He looks with pleasure and wonder. (7)
7. Result of weather - rust sometimes. (7)
8. Intense feeling or idea. (6)
9. The result of careful measuring. (4-5-7)
14. Lake, or only nothing more than (4)
17. Writing instrument. (3)
18. Liquid refreshment. (6)
19. Inhabiter of continent eastward. (7)
20. Kind of grass. (7)
21. Behaviour, maybe in control. (7)
22. Sign of the Zodiac. (7)
24. Flower of Summer. (5)
25. Place of one's abode. (5)

#### Solution to Crossword No. 55

##### ACROSS

1. John of Gaunt; 9. Oscar; 10. Pizzicato; 11. Spice; 12. Feet; 13. Parch; 15. Octopus; 16. Essayer; 17. Flounce; 20. Ring off; 22. Reeve; 23. Pope; 24. Kite; 25. Electrons; 27. Crier; 28. First person.

##### DOWN

1. Jackpot; 2. Horn; 3. Oppress; 4. Gazelle; 5. Unimposing; 6. Tea tray; 7. Sofa comfiorter; 8. Mother of pearl; 14. Open letter; 18. One-seft; 19. Exploit; 20. Riposte; 21. Opinion; 25. A.C.A.S.

Photographs taken by the Staff Photographers will be acknowledged in the following way: (A) Alan Rees; (C) Nancy Bullock; (D) Albert Morison.

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Produced by Phoenix Publicity and Print Limited, Bradford, for Marconi Avionics Limited, Kent and printed by John H. Hirst & Company Limited, Cleckheaton, Yorkshire.