MARCONI NE



MOTTO FOR THE MONTH

"Think wrongly, if you please, but in all cases think for yourself".



Marconi Avionics gets British Standards approval for microcircuit manufacture

Thick film hybrids now available to BS 9450

the Company also supplies thick film hybrids to other customers.

The Company's Thick Film Department at Radlett. England, is among the comparatively small number of approved suppliers in the United Kingdom who can deliver a wide range of microelectronic circuits to BS9450 specification. The wide-ranging applications for such hybrids include all kinds of capital electronics, where specialised circuits have to be realised in very compact form and with high reliability.

As well as its obvious significance for the business of Marconi Avionics, this new achievement is particularly important also for other members of Britain's General Electric Company, who, like Marconi Avionics, have to offer home and export customers second sources of supplying the the components they use, including custom-built hybrids. With Marconi Electronic Devices Limited, Lincoln, England, also holding approval, any GEC company, can now offer such dual-source facilities from within the group. BS9450 specification. The wide-ranging applications for such hybrids include all kinds of capital electronics, where specialised circuits have to be realised in very compact form and with high reliability.

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Marconi Avionics Limited has now received full BSI approval to design, manufacture and test thick film hybrid microcircuits. As well as being a major user itself, the Company also supplies thick film hybrids to other customers.

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Among currently manufactured products are a range

New Airport Control Tower



A new shape has soared into the skyline at the amield, in the building behind the Hangar—a new ControlTower, to replace the one destroyed some time ago by fire has now been erected. This will be to the advantage of the users of the Company Aircraft, Air Taxis and Flying School Students. The structure, made of Pazulian Mahogany gives an all round unrestricted view, and is fitted with non glare glass. The size 15ft, x 13ft at the base, and 19ft x 17ft at the top gives trouble free vision in bad weather.



Designed in house, by the teamwork of Don Freeman and Paul Johnson, it was made and erected by Sam Eldridge and Dave Holder, under the direction of Cyri Cawley, Works Engineering Foreman. The base structure was built by o

MORE SUCCESSES

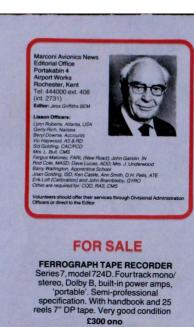
Javne Wood, a Senior Software Engineer of Airborne Display Division, is pictured receiving her award from H.R.H. The Duke of Kenton 14th December 1982, as runner up in The Girl Technician Engineer of the Year Award.

The award, sponsored jointly by the Caroline Haslett Memorial Trust and the Institution of Electrical and Electronics Incorporated Engineers, is made each year to girls who have not only gained academic qualifications and completed their training, but are successfully holding responsible jobs and have gained professional experience as electrical or electronics Technician Engineers.

Jayne, who is now 24, joined the Company as a Trainee Computer Programmer in 1976. She is in charge of 13 staff, predominantly male university graduates. Her duties include: management and analysis for several airborne application software projects; assessment and provision of testing facilities for operational software; design of future and advanced systems, procurement of software support tools and organisation of in-house software training.

Our congratulations go to Jayne for her achievement and our best wishes for her future





VOLKWAGEN CAMPER VAN (Air cooled) 1600cc 1973(L) Cooker, Sink Unit, Cupboards etc.

£1200 MOT to Nov'83 Contact: Geoff Gosling, int 2684 or Meday 724508



Acknowledgement

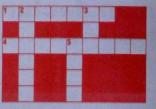
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The Bitter End



Apology



Editors Note! Please, Please, do not be too harsh. Like the planist - he does his best. But thank you, for your interest, and the implied message that you enjoy the challenge of the puzzle.

VERY FISHY

Irish Wit!

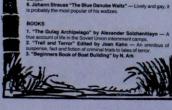
Driving through the countryside one weekend, I became stuck in a traffic jam, the tail back of traffic extended for at least a mile, and being unable to turn round I decided to find the cause of the trouble. What had happened was that a 14th high sided lorry had become wedged under a 12th high bridge and the driver was attempting to reverse out of his predicament, resulting in a lot of smoke from burning rubber. Eventually the police arrived and asked the driver to alight from his cab.

The driver was the largest firshman thad everseen six foot twelve tall and as wide as two barn doors. In a meek voice that trembled at the awesome sight before him, the Police Constable asked "Are you stuck then sir?"

Whereas Paddy replied in a flash —

"Not a bit constable. You see I was delivering this damn bridge and I lost the address."

Moral - Don't ask damn fool questions!



Winter is a busy time for poring over

white is a busy interest pointing over seaside brochures and being tempted by holiday ads on the telly. But you could opt for more than just a two-week change in your life style by broadening your horizons to include the Open University. You don't need formal educational qualifications or have to want to study for long periods at a time. For as well as offering degree courses and single one-off years of study, the Open University has an informative range of eight-week courses covering many aspects of everyday life. Bringing up children, buying a carsticking to a healthy diet can all become more meaningful activities with the Open University. So if you want a convenient way on untangling your problems — or preventing them — the Open University's short Living with Change courses could help. They could also provide you with many interesting hours of winter study. Longer term, they might save you both time and money. For instance, the Open University's newestoffering. Parents and Teenagers, can turn family bickering into smooth cooperation — and even suggests ways to help your treenager go about looking for work.

Then there are all the money-saving hints of 'Consumer Decisions' and 'Energy in the Home'.

Courses in the Living with Change' series cover the whole of growing up, from 'The First Years of Life', to 'The Pre-School Child' to 'Children Five to Ten'. They series includes two other 'Ife style' courses,' Health Choices' and 'Govertning Schools'.

All these courses, which cost £20, are open to people over 16. However,





21 is the normal minimum age to start studying for a degree with the Open University.

The Open University has already helped over 51,000 mature adults to gain the degree they missed through lack of opportunity, motivation or money when they left school.

Like all Open University courses, those in the degree programme take students on a 'first come, first served' basis.

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On average it takes six years of parlime study to earn a degree at home. But you can take a year or so off, or do a half-course, if work or family commitments become heavy or you just want to unwind.

Students learn from specially written correspondence texts, from audio-visual material, from radio and television. Some courses, particularly the first-year courses and science and technology, include a compulsory summer school which gives a taste of life at a conventional university.

First year students have the choice of five Foundation Courses: Arts, Social Sciences, Mathematics, Science or Technology, They can then choose from 140 individual courses.

The Open University is also focusing on Scientific and Professional Updating with a range of self-instruction packs aimed to upgrade skills at work.

Two microprocessor awareness packs for managers and engineers have already proved very successful as over 24,000 people have studied them in the past two years. Now the Open University is embarking on more specialised computer courses with the introduction in 1983 of 'Data Analysis for Information System Design', which takes some 40 to 50 hours of home study and includes practical work through the Open University's Academic Computing Service.

Other computer courses planned for the spring will give an introduction to commercial data processing with COBOL: to systems analysis and design; and to structured programming with PASCAL. Another venture likely to prove popular in commerce and industry is the Open University's new management programme introduced through its Centre for Continuing Education. This means that managers

can update their skills without having to take time off to attend business school.

"The Effective Manager, the first of four management courses in the pipeline, becomes available next Summer, it focuses very much on the manager and his job, the manger and his team, and the manager within his organisation, lasts three months and includes a weekend residential school.

school.

About 100 hours of home study will be required and the course starts twice a year, in September and January.

Next in line for launching is Personal

January.
Next in line for launching is 'Personal Selection and Interviewing', available from September 1983. Fifty hours of study will deal with the mechanisms and stages of selection; interviewing skill; group dynamics; and arrival at the final 'judgement' in selecting a candidate.

Study again spreads over three months, starting in September and January, and includes a short residential school, tutuor marked assignments and TV programme.

The other two management courses, ready in 1984 are 'Accounting for Managers' and 'International Marketing'.

For details of management and other one off' courses from the Open University, write to ASCO, PO Box 76, Walton Hall, Milton Keynes, MK 76AN.

To study for an Open University degree, from February 1984, write to PO Box 48.

Details of eight-week community education courses costing \$20, such as 'Energy in Home', are obtainable from ASCO, os above.

Instalment fee plans operate for degree and 'one off' course, and the University has a financial assistance fund to make access to the Open University as open as possible.



Appointments

The following appointments are announced

Mr. A.J. Colwell formerly ADD to be Divisional Manager ATE Mr. J.C. Spinks formerly CACD to be Divisional Manager ADD Mr. C.R. Reese formerly ISD to be Divisional Manager CACD Mr. J.M. Colston to be Divisional Manager ISD

Mr. J.F. Smith formerly CACD to be Production Manager ADD
Mr. J.E. Clover to be Production Manager ISD

Mr. C.S.L. Wells formerly ISD to be Production Manager CACD

Mr. C.W. Ecob of Aviation Service and Repair Division has decided to retire. In consequence, we announce the appointment of Mr. D.T. Brown to be Commercial Manager with immediate effect.

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Ode to Chrissie

(late of MASD)

Here's to Chrissie, our rather plump pal, Who's gone to produce a boy or gal It's a dead cert for sure. She'll miss all the jaw, But certainly no more than we shall.

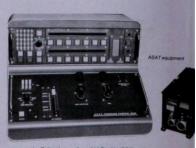
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Around the Divisions





FCD



Major Course in Real Time





Tarom.

Probably the most prestigious project which the Division has undertaken in its long history was the flight control and autoland system for Concorde. Currently our engineers are studying the feasibility of an automatic landing system for a Future European Space Launcher.

Variety is indeed the spice of life for FCD.

PSD

Powerplant Systems Division, what do they do? Where do I find them? The common questions which we are often asked, and in the article we hope to provide some answers and in the article we hope to provide some answers. Asked the product range being a few providers of counters to the Kerssene Regierer and the Counters of the Regierer Reg

Software Engineering



REMENTS









25 YEARS' SERVICE







Obituary



2 mile swim 50km walk 100 mile cycle 26.2 mile marathon

THE WORLD'S TOUGHEST RACT

Patron: Jimmy Saville, OBE, KSGE Quadrathon Office, Civic Centre, Windmill Street, Gravesend, Kent.

THE RACE

The Quadrathon is being run on the weekend of

August 20/21.

It starts from Brighton beach on the Saturday afternoon, when the competitors start with a two mile swim in the sea on a course between the two mile swim in the sea on a course between the two

mile swim in the sea on a course between the two piers.

They leave the water, shower off the salt, and set off on a 50 kilometre walk.

The end of the walk is at a sports centre at Tunbrige Wells, where the entrants switch to racing cycles.

They then cycle on a course to Brands Hatch and around the racing circuit until 100 miles have been completed.

After the cycling there will be a medical for each entrant before he or she goes onto the final stage.

The athletes then run a full marathon from Brands Hatch to Gravesend town centre, finishing sometime on the Sunday morning.

The prize presentation will be held on Sunday afternoon.



THE HISTORY OF THE QUADRATHON

The story of the Quadrathon really started in America some six years ago. It was then that a dozen sporting 'freaks' decided to create a totally new mode of endurance event — the Triathlon. That was the Hawaii Triathlon which has now grown into a major world event, attracting press coverage from every corner of the globe. It received its first television coverage in Britain in February last year, and sparked off a burning flame of interest that turned into the development of the Quadrathon — the toughest race in the world.

The Quadrathon organisers discussed the Hawaii Triathlon and realised it was humanly possible for an even tougher challenge to be set. The Triathlon was attracting around 500 competitors, so something more difficult to achieve was needed.

needed.

Immediately the organising committee of experts was set up, and since then months of hard work have gone into sorting out the route and complex details of formulating a world beater.

The first concern was to find a possible route for the four disciplines of swimming, walking, cycling and running.

Brands Hatch racing circuit was chosen as an important part of the event because of its superb medical facilities — an important consideration in

an endurance event that takes athletes to their

an endurance event that takes athletes to their limits.

From Brands Hatch it seemed natural to have the finish in Gravesend — a marathon's distance from the world farnous circuit. The next step was to choose Brighton as the ideal start with its perfect location for the two mile swim. There is already a 'between the piers' event held there each year. It was then obvious that the Olympic distance walk of 50 kilometres should take the entrants from Brighton to Tunbridge Wells, where they could pick up their bikes for the cycle to Brands Hatch where the 100 mile cycle is completed. The marathon starts from the circuit and finishes in Gravesend.

So the event was formulated, and since then the organisation has grown into several hundred with special help from Gravesham and Brighton Councils as well as the marketing company of West Naily which already handles the Gillette London Marathon. A number of clubs are involved in the marshalling and other arrangements, providing the detailed local knowlege and expertise necessary for such a complex event.

For further information contact Paul Nihill, MBE. ATE Contracts Int. 2985

Nailsea Nippits

Brain Teaser -

Sports and social club round up

Lary 1983 meeting of the Club book the form of the Annual Meeting, when satisfactory reports of the activities but the year were presented. The accounts showed a state, and a very satisfying use of the available funds, election of officers confirmed the existing Chairman, yand Treasurer in their respective offices. Mrs. Seters left but to retire from the committee, and Mrs. Belsom was in her stead. The remaining members being re-elected and altitional member, in the person of I/an Walter, in the person of I/an Walter, who edisolo as well as group items, to the delight of the audience.

23rd [Sides Evening with KCOCC at Springfield, Mr 7.30 pm with Alan Rôse Discussion on Night Photography (Sides Section FApril 14th).

Diary Dates

At the Clubhouse, Four Wents, Hoo

Friday 11th March 1983 Cricket Discotheque with "Vapourisation" Tickets £1

Friday 25th March 1983 Pub Night, 8 — 11 pm in Bar Lounge

Photographic Section
Marconl Group
The programme for the immediate future, to members of the Ph
graphic Section is—

16th Slide Evening with KCOCC at Springfield, Maidstone at 7.30 pm with Alan Rose

Night Photography Outing Venue and transport to be decided — an early start

11th The Royal Photograph Society by Brian Tremain, FRPS

Open Air Modelling Session Venue to be decided—Early start

25th AGM Annual Revelations

Except where otherwise stated, meetings are held in Marconi Avionics Conference Room, Tower 1 at 8.00pm

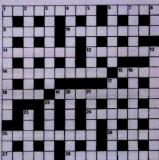


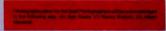
Notices

Please note that the Management Committee has abolished the present booking system. The Committee feels it is fairer to all members to use the table on a first come - first served basis.

Suitability of Dress

Closed for major maintenance from 14th February until 4th March, inclusive.





The view and opinions expressed by contributors are not necessarily those of the Editor of Company. Any such opinion or comment are those of the contributor above and are printed solely as a matter of effects of the contributor of the printed printed of the printed of the contributor of the printed printed of the printed printed of the printed prin



Answers to Brain Teaser

One lady is a Grandmother and her two daughters are the mother of the other 4, making seven in all.

