MARCONI NEW





MOTTO FOR THE MONTH Enjoy your own life without comparing it with that of another





Marconi Avionics wins \$50 million order for a new pilot's display

General Dynamics order 'wide angle' HUD for F-16C/D fighters

million), covers development and production by the Company's Airborne Display Division, Rochester, Eng-

symbols which aid piloting, navigation and weaponaiming. This is a more powerful aid in combat, for both General Dynamics F-16C/D programme are practically air-to-air and low altitude operations, by day or night.

General Dynamics Corporation, whose widely-used F-16 combat aircraft are equipped with head up displays (HUD) supplied by Marconi Avionics Limited, has now ordered a new design of 'wide angle' HUD system from the British Company. The initial production order for the new HUD, valued at nearly \$50 million, (about £30 hardware and Jovial J73 software and for MIL STD 1553

Marconi Avionics, which leads the world in the innovaland and is for equipping F-16C and F-16D (two seat) tion and production of head up displays for aircraft, has aircraft, from July 1984. aircraft, from July 1984.

With the new HUD a pilot will see, ahead of him, and for the Vought A-7 aircraft, when the first HUD ever to incorporate digital electronics was developed, tested over a much wider field of view than with previous HUD incorporate digital electronics was developed, tested

Big overseas application for UK Thermal **Imagers**

Marconi Avionics £1 million order for Brazilian Navy equipment.

Marconi Avionics Limited is to supply advanced electro-optical equipment, worth £1 million, for use in new Fire Control Systems for the Frazilian Navy. The equipment is to be supplied to Ferranti Computer Systems Limited, Bracknell, England, which won the contract to equip four new Brazilian corvettes, with Fire Control Systems, against strong international competition.

The Marconi Avionics Electro-Optical Products Division, Basildon, England, will supply and commission the equipment, which includes a new 24-hour all-weather imager designated V3800, which is based on UK Class 2 Thermal Imaging Common Modules (TiCM2).

The V3800 is a private venture development and the first application of TiCM2 for an overseas customer. This has closely followed the UK Ministry of Defence decision to order the Modules into quantity production, to meet the daylinght viewing requirements of its three armed services. The new V3800 thermal imaging sensor is designed as a "stand alone" unit capable of incorporation into various defence systems, to give a 24-hour indirect-viewing capability in all weathers.

give a 24-nour indirect-viewing capability in all weathers.

The electro-optical equipment also comprises Marconi Avionics V3342 daylight television cameras and displays, for use in tracking targets passively with the ships' gun Fire Control Systems. Like the V3800 Thermal Imager, it is particularly suitable for mounting on a tracking ratics.

ADVANCING WITH THE TIMES

Marconi Avionics gets its first-ever comprehensive Product Guide



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Erik, Lnft (Califoration) and John Brambleby, GYRO
Oliner are required for. COD, RAS, CMS

FOR THE LEISURE HOURS

The heart of the nation is the name of a 'Son et Lumiere' production that will burst upon London in the late summer. It is a rich and colourful pageant of history which will include the voices of many well-known and respected actors and actresses.

All proceeds from this event will go to the Soldiers, Sailors and Airmen's Families Association.

The scenario for this spectacle is the dramatic Horse Guards Parade, home of Beating the Refreta and Trooping the Colour. All the seating is under cover (for the sceptics who doubt our English weather) and tickets are CS.50 and 24.50. Box office is now open, and all enquiries, tickets and information can be had from Mrs. B. Newman, telephone 01-229-2921.

Following the success of the frial period last year the East Midlands Tourist Board has re-launched its English Shires Club for the 1983 season. Membership of the club entitles you to a discount care which will give you savings on visits to places of interest, accommodation, and all meals at selected establishments throughout the East Midlands. For subscription of 12-50 members also receive a pack of attractive and informative literature to help decide where to go, an events list and a colour brochure. A regular newsletter brings them up to date on new facilities and is mailed out to all members.

Joining the English Shiries Club is easy. Simply send a cheque for E2-50 (made payable to East Midlands Tourist Board) to the English Shires Club, EMTB, Exchequergate, Lincoln LNZ IP2 and your discount card and pack of literature will be sent to you. For further details contact Margaret Fotheringham, telephone (0522) 31521.



Spend 5 nights half board in **JERSEY**

during June 1983

ALL IN PRICE - £95

including Travel, Free Bottle of Spirits, 2 Bottles of Wine

Senior Citizens £10 Reduction Special Rates for Children

Details, bookings etc from Rod Cole MASD main works int 2792 or evenings on Medway 48282

Congratulations

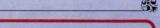
Births
We offer our congratulations to Philip and Julia Lamb on the birth of a daughter Varil Jade Lamb, born on 26th February 1983 weighing in al 7/bs 20zs.
Philip is an Engineer in FARL, New Road while Julia was previously in IN D/O.
Other family connections are that grandfather is Lewis

bylously in IN D/O.
Other family connections are that grandfather is Lewis lick) Rogers of Metal Finishing Dept., Flying School and an Hinckley, of IN Buying Dept. is the childs uncle.

To Susan and Neale Hunt, on the birth of a son on 6th January 1983 at 7lbs 2ozs. Susan was employed in ISD as a Buying Clerk/Typist while husband Neale is Senior Software Engineer ISD.

Engagements
Susan Hough became engaged to Trevor French, on 8th
January 1983. Susan is a Secretary in ISD Engineering
Dept., and has been with the Company for 4 years.

Anniversary
Our best wishes go to Eileen Mailla on her Silver Wedding
(25 years) Anniversary on 15th March 1983.
Eileen has, for 5 years, worked in CACD Library as a
Reprographic Operator, and her husband is employed at
Kingsnorth Power Station.



The March issue of Marconi Avionics News contained an tem regarding complaints of semi nudity in the bar of the lubhouse. Offenders will be asked to leave. Little did the editor realise that deep in Gyro Division lurks a close relative of Sir John Betjeman.

A Sportman's Love Song

Miss J. Hunter Dunn, Miss J. Hunter Dunn, There in the clubhouse, your clothing undor What strenuous sports you played after tea, That made you loosen your buttons for me.

The scoring went with you, was it a ploy, To take off your tracksuit, a vision, such joy. The number of games you so easily won, I am weak from your loveliness, Joan Hunter Dunn.

Miss Joan Hunter Dunn, Miss Joan Hunter Dunn, Be off from the bar, you wonderful one. The regular patrons are apt to complain, So remember your manners, don't come here again.

sed on: An extract from 'A Subaltern's love song'.

Extract from

'A Subaltern's Love Song'

On the floor of her bedroom lie blazer and shorts, And the cream coloured walls a be trophied with sports, And westering, questioning settles the sun, On your low level window, Miss Joan Hunter Dunn.

Letters to the Editor

Yours sincerely.

Eve Harker Airborne Display Division

Editors note
On receiving this letter, I contacted the Catering
Manageress, who instigated an enquiry. It is regretted, that
on this occasion a relief was on the serving desk, and it is
likely that an overcharge was made. However, had the
matter been queried at the time, any correction due, would
have been made. If anyone has a complaint, it should be
taken up at that time when it can be dealt with.

The MAv News Lunderstand that the editor, Mr. Jess Griffiths is to retin shortly. I'm sure he deserves a note of thanks for all the dedicated effort he has put into producing the paper. When appointing a new editor I don't feet that the management should try to find another 'Jess', there just isn't one. Perhaps a change of style is called for. Nothing too of create, but the new man must have discrease the

isn't one.

John Barry and change of style is called for. Nothing too drastic, but the new man must try and increase the contributions from employees. With a circulation of over six thousand copies he should hope for, I would have thought, more than sixty inputs covering everything from sport, human interest to humour.

Good luck to the next incumbent — he has a very high standard to live up to.

John Bramblehy

News from afar

'To England with love from Turkey'

To England with river from the control of the contr

My address is: Bulent Akkasli, 298 Sok, 17-8, Sirinyer-Zemir, Turkey

OCCUPATIONAL HAZARD? (ODE TO PHASE III)

The engineers are often asked To come and do their bit. Meanwhile, dressed still in coats and scarves It's frozen-stiff we sit.

From clocking-on, to going home It varies hot and cold. 'To get it right's so difficult' We keep on being told

Brain Teaser

See if you can make a sensible report of the story given below. Each blank space being the name of a musical instrument. Attempt it, before turning to page 8 for the answers.



MORE SUCCESSES

Mrs. Thatcher presents Awards to 39 professional engineers

On Monday, 14th February, at a ceremony in London, the Prime Minister, the Rt. Hon. Margaret Thatcher MP, presented Awards to 39 young professional engineers. They each received a specially struck medallion and a Certificate, marking the successful completion of an 18 month concentrated programme as EITB Fellows in Manufacturing Management. Their names were inscribed on a Fellowship Roll inaugurated four years ago when the first intake group completed their Fellowship. The Engineering industry Training Board embarked on this Fellowship Scheme because most of the engineering graduates in this country go into research, development or design departments and never move into manufacture. Indeed, in this country, less than one in five of the professional engineers and qualified scientists in industry are employed in production or manufacturing management. This situation, which is contrary to the practice found in most other industrialised societies, has greatly concerned the EITB. The manufacturing function is growing in importance, while at the same time the traditional supply of managers from the shop floor has, mainly because of changes in educational patterns, begun to dry up. Technology graduates must, therefore, increasingly be the manufacturing managers of the future.

of the future. The object of the scheme is twofold. It is a demonstration that high calibre professional engineers in non-manufacturing functions can, with the right practical training, be brought into posts of responsibility on the manufacturing side — to the advantage of the engineering industry and of the economy as a whole. It is also an invitation to industry to take similar steps.

The EITB decided, as a start, to offer three sets of 15 Fellowships at yearly intervals to young professional engineers with some experience afready in non-production activities and who aspired now to a career in manufacturing management. The recipients would undertake an 18 month programme commencing in April in each of the three years 1977, 1978 and 1979. Since then the Fellowship has been extended and expanded to accommodate three intakes of up to 15 each year.

The 39 Fellows who received their awards from the Prime Minister are members of three intake groups to the Fellowship. Two of the intakes completed their programme in 1982, the other (the inith intake) completes in March. The thirteenth intake group commenced its programme on 24th January. The fourteenth intake group is currently being recruited to commence in May.

The programme begins at Cranited Institute of Technology where six months are devoted to an intensive study of the techniques of manufacturing management, combined with short industrial assignments. Then each Fellow undertakes a real management project lasting a year at an engineering company.

The end result is an able professional engineer with shop floor experience of managing production by dealing effectively with organisational, personnel and technical problems and who is now well equipped to compete for a responsible management position in manufacturing. Since it started the scheme has recruited 178 Fellows, of whom one third were sponsored by engineering companies.

FELLOWSHIPS IN MANUFACTURING MANAGEMENT

BIOGRAPHICAL NOTES

on avionics. He spent five years at telectroscories Ltd. eventually becoming projects manager before joining CTL (Control Technology) Ltd. as divisional manager — standard products. Here he was recognisable for a wide and products. Here he was recognisable for subcontracting manufacture.

David su undersking her Industrial. Phase of his Fellowship at the Automatic Test Equipment Division of Marconi Avionics Ltd. he is responsible for a wide range of activities which focus on the introduction of computers and automation. Experiment has been glanded of justifying calmining and reference of the production of computers and automation. Experiment has been glanded of justifying calmining and reference of the project Control of the Automation of the Industrial Phase of the Selfowship at the Automatic Test Equipment Division of Marconi Avionics. Ltd. assembly area and the implement grant of put the project controller for the Air Selfowship at the project Control



SUCCESS REWARDED

GOLD AWARD FOR MARCONI AVIONICS STUDENT TECHNOLOGIST

Alan Bryant receives Duke of Edinburgh Gold Badge

It the Rochester head office of Marconi Avionics imited Alan John Bryant, a Student Technologist the the Company, received the Duke of Edinburgh old Award, for work successfully carried out over he past four years.

The Gold Badgewas presented by Peter Hearne, irrector and General Manager of the Company, at oeremony attended by Alan's parents and olleagues, Mr. Ian Hazell, the KC's Divisional ducation Officer, Mr. Ron Slater, Divisional Youth and Community Service Officer, and other olleagues, and Mr. Malcolm Lifton, who is sponsible for the Duke of Edinburgh Award citvities at Rainham Mark Grammar School.

The Duke of Edinburgh Gold Award is for young eople all over the world who can complete an aceting scheme of work involving exploration,





Centre.

Alan Bryant, 20, who lives in Rainham, joined Marconi Avionics in 1981 and is studying for a degree in Electrical and Electronic Engineering at City University, as part of a finisandwich course, sponsored by the Company. The work which has

TO PASTURES NEW

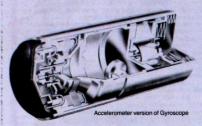


Peter Lloyd reading the good wishes and sign the carriage clock

Around the Divisions

GYRO DIVISION

Although one of the longest established divisions of the Company, the question is often asked 'What is a GYRO and what does it do?' A GYRO (or to give it is full imame — a 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!



Manufacture of the GR-H4 rate gyro of which we have now made over 12,000 started at Rochester almost 20 years ago and will continue for several years to come. During this time we have improved this gyro to make it perform better and cost less than it did originally. Current applications include Sea Dart, which did so well in the recent Falklands conflict, the Harrier auto-stabilizer system, the Tiger Fish torpedo, Sky Flash and the enhanced Biowine launcher.



Part of equipment for 'Strapdown' Unit

GYRO Division is engaged in bringing into production a new torque re-balance rate gyroscope, the GI-G6, made under licence from the Northrop Coportation of the USA. This gyro performs very well and is able to meet the higher accuracy requirements being demanded for future systems. Qualification models of this gyro are planned to start coming out from our production facilities next month. The GI-G6 gyro is finding wide acceptance in a variety of applications including sightline stabilisation, such as the SCOT 14 satellite tracking aeral system, arcraft control and more particularly in "stragdown systems."

Strapdown is a term describing the application of rate gyros and accelerometers' strapped-down' or solidly mounted to the body of an aircraft, missile or other vehicle, and the use of their outputs to compute and determine the attitude of and the direction in which the vehicle is travelling. Used in this manner, miniature rate gyros replace the much larger convenitional directional and vertical gyros, thereby profiting the benefits of small unit size, low weight, increased ruggedness and short activation time.

Production of the strapdown attitude sensing unit (CSU) for the new air-drop lightweight torpede or Sting Ray — is in progress. Further orders, including export, are confidently anticipated, thus ensuring continuity of this work for some time to come. This unit is the first strapdown guidance and control system to be brought into production in the UK (and probably in Western Europe) and represents the outcome of many years of excellent work by the Division's engineers in this exciting field.



The main thrust of our present engineering effort is in a strapdown system, using the GI-G6 rate gyro, for Spearfish, the Royal Nary's new heavyweight torpedo. For this application the Division is contracted to develop and produce a guidance unit incorporating microcomputing to provide attitude and direction information to steer and control the torpedo during its run-out to a target.

Whilst the current order book value represents some one and a half years of work, our marketing team has been strengthened and an engineering team has been formed to concentrate on new proposal work and new ideas to enable GYRO Division to compete successfully for future business opportunities.

"Gyromancy – Divination – by walking in or around a circle, until one falls over due to giddiness and prognosticates from the place of falling!"

GYRO DIVISION

There has recently been a re-organisation in the Sales and Engineerin Department of Gyro Division. Mr. R.J. Scott, formerly the Sale Manager, has moved this office to Christchurch and become the Division's Marketing Consultant. He is replaced by Mr. Graham Bake who moves from Engineering Project Management to become

The promotion of Mr. Ian Cooper from Chief Engineer to Technical Manager has left the way open for a rationalisation in the Engineering

Mr. Alec Fraser becomes Engineering Manager for Underwate Weapons with new Projects Managers, Mr. Paul Barstow and Mr. Colawes, responsible for the Sting Ray and Spearlish project respectively. Mr. Jim Birkenshaw moves into management of advanced projects.

Three new project leaders are Mr. Gerry Sanders - Sting Ray, M

IND

En route to Accounts for the best of three falls, one submission or a knockout with the Cashler or Wages you walk between a modes collection of huts, the home of Inertial Navigation Division. IND was formed in the late fifties to develop and manufacture the navigation system for the Blue Steel stand-off weapon which at one time armset with 9.8F.S.V. hombers.

The division then turned to the development of aircraft IN systems and produced the E3 platform and its ancillary units for the Nimod MK and Nav/Wass, based on the E3R platform, for the Jaguar. 138 Nimod platforms were produced and to date 542 Jaguar platforms have delivered. These are still in production and Nav/Wass is used by the air forces of four countries with delivery to a fifth due to commence shortly. RAF pliots have achieved many successes in NATO navigation and was not follower commeltions using the successes in NATO navigation and was not follower commeltions.

In the course of developing and manufacturing these two systems the Engineering, Production and Quality Assurance departments gained (the hard way) considerable insights into the unique problems of inertial navigation technology, mostly summed up in one word—groscopes. Nav/Wass also introduced the division to software and the application of digital technology to avionic systems. This has grown from small beginnings to the point where it now forms a very significant part of the Engineering Department work load. Two projects, TRAIN and the Brough Rig are almost entirely software.



TRAIN (Terrain Referenced Autonomous Integrated Navigation to its friends and admirers) is a system for the integration of information from navigation systems installed in an aircraft with the aim of enhancing the accuracy achievable by any one of them. The Brough Rig, so called

ISD HOSTS YOUNG ENTERPRISE GROUP

On Friday, 11th February 1983 a group from the Young Enterprise Company DELTA visited Marcon Alvoines. After being wiscomed by Don Short of the Training Department the visitors spent the morning in Instrument Systems Division. Under the guidance of Mick Profer and Mick Filion-Payoux, achiesrs to DELTA, all aspects of the business of a Product Division were seen and explained. 15D personnel including Doug Morris – Marketing Engineer, Dave Silisbey. — Project Manager Bill McCutchoon — Chief Design Engineer, John Clover – Production Manager and Fred Wickham — Production Superintendent hosted the group in their respective departments. The visit was concluded by a general question time and an introduction into the training opportunities

The Young Enterprise Scheme introduces youngsters between the ages of 15 to 19 indo the real world of business over an eight month period. Each company operates under the same conditions as any limited company, it has a Board of Directors and finance is raised by the sale of Shares and profit on the product. The product is subject to the same controls found in any manufacturing environment i.e. marketing, production organisation and sales. DELTA is one of the Young Enterprise companies sponsored by Marconi Avionics and the groups' visit enabled them to have a better understanding on how a large company utilizes the skills they are learning under the Young Enterprise Scheme.

The group from DELTA were greatly appreciative of the time giver to them by Instrument Systems Division and thanked Mick Porter and Mick Fillon-Payoux for a very interesting and informative visit.



CAC LIVEWIRE -

- The team they are a motley crew, there's two Kens, Chip and Little Stu. Adrian, Andy and Andy U

 Andy Haves and Plug plays too.
- In defence is Little Trevo hair greased back, he's very clever.
- On the wing there's Nifty Ken, skinny legs looking like a hen. He's very fast it would appear,
- Andy 'D' is another's name,
 a hard kick and throw shot him to fame
 It's a pity he can't play the pame.
- 5. I almost forgot about Andy Uhe can't kick a ball, and he's got cramp too. He runs onto the pitch all proud and brave, and ten minutes later, his legs don't behave.





because BAe Brough are coordinating the activity, is a design tool for the avionics system of a future, as yet unspecified, military aircraft. IND's share is the simulation of twin IN systems combined with other navaids.

In parallel with the Nav/Wass project IN undertook the developmen and manufacture of the Naval Compass Stabiliser (INCS 1) for the Roya Navy. The system is used in warships down to fast patrol boat size an provides orbity to 6 heading and attitude to which all the vessels weapon systems are referenced. Popular features of the equipmen are its reliability and manufariability. It is in service with the RNA and the navies of two other nations. A further extension to its use is now if the prospect in October 1982 a centract was placed by MOD to give the system a high-accuracy navigation capability by interfacing it with a twin-axis dopplar log. The necessary hardware and software changel the parallel of the project Manufacture of the project Manufacture of the project Manufacture of the project Manufacture of the project Manager and a Programmer to the ship, conveniently located at sea 300 miles from Rochester. Apart from this the frial worth noting that the PDs system used in the trial had already accumulate on 20,000 hours running and performed faultiessly. Further trials a reduce the project Manufacture of the project Manufacture of the project Manager and a Programmer to the ship, conveniently located at sea 300 miles from Rochester. Apart from this the frial worth noting that the PDs system used in the trial had already accumulate a good of the project Manufacture of the project Manufacture of the project Manufacture of the project Manufacture of the project Manager and a Programmer to the ship. Conveniently located at sea 300 miles from Rochester. Apart from this the frial worth noting that the PDs system used in the trial had already accumulate and the project Manufacture of the project Man

In April.

N put its expertise in navigation and software to good use when the division was selected to develop and finanutacture the Central Tactica System (CTS) for the Nirmod's avionics update. CTS receives an integrates information from the tactical sensors and the navigation system and displays the factical situation for the crew. As a by-product of CTS the division has produced the Interface Unit for the Central Navigation (AFW aircraft).

reavigation System or the Nintrod AEV salicial.

Another IN Dy-product is the 920 Emulator. The original 920k computer used in Nax/Wass went out of production whilst orders to Nax/Wass west of the production of the Nax/Wass well of the System of the Nax/Wass whilst orders to Nax/Wass were still coming in Disaster was awarded by designing proving and putting into production in record time the Emulator. Hooking proving and putting into production in record time the Emulator. However, the production of the Nax/Wass in the Salicia South manner of the Nax/Wass in has also been memory. Apart from saving the day for Nax/Wass it has also been

Casting about for new products and using its experience of over 25 years in the interial navigation business, IND decided to solvie the problem of the armoured vehicle operators who would dearly like to know in which direction they are travelling when operating tanks, armoured personnel carriers and other such vehicles across country. Systems used to date have proved unsatisfactory because they have been based on a magnetic sensor to give the vehicles heading and to surround a magnetic censor to give the vehicles heading and to the large number of amound vehicles on the reventory of any modern army, low cost is of prime importance in having such a system adopted. Simplicity of installation and particularly of operation are other important factors. The IND solution, the MAVHRS— Marcon Avionics with the USA entire the standard of the standard of the standard of the standard of the solution of the standard of the st

Lest the words 'modest collection of huts' should convey a false impression it must be said that they are really quite comfortable to work in since WES gave them a major facelif two years ago. Particular beneficiaries were the Drawing and Design Offices who emerged blinking into the sunlight from an air-conditioned windowless cavern

WORKS SHOWESDING SERVICES

Although Works Engineering is sometimes regarded as a nonproductive department, the essential service if provides in the form of supplies, maintenance, transport, communications, energy management, and new developments is important to the production divisions for the successful operation of their hysinises.

For this reason, and in addition to its specific responsibilities, the department is on call for emergencies throughout the 24 hour day, 365 days a use.

The departments responsibilities for the maintenance of land buildings and plant apply to an area exceeding 150 acres on which we have over a million square feet of office and workshop accommodation.

The electrical and mechanical plant and equipment necessary to supply the energy for the manufacture of our products demands and enjoys the expertise of our labour force to ensure that breakdowns are non-existent or kept to a minimum.

The tons of waste and refuse which accumulates on our sites every day have to be disposed of, and the daily cleaning and servicing areas used jointly by the occupying divisions are necessary for the welfare of the employees. These two operations come within the discriptions of the chaning section.

obsopines or the cleaning section. The responsibilities of the inwards Goods, Transport and Despatch Departments commence with the receipt of thousands of items which eventually into their way back to them in some other form ready for despatch to the customers. In conjunction with this service there is the need to maintain the Company's fleet of vehicles and ensure that all goods being transported are adequately covered by insurance agains

The importance of providing a telecommunication link between the Company and its customers or suppliers is emphasised by the demands placed on our staff in the Telephone and Telex Exchange. The millions of calls efficiently dealt with each year confirm the vital role

With the need to convey the written document to and from the Company a service is provided through our Mailing Department. With no less importance than any of the other services provided by Works Engineering, this departments efforts are a major contribution to the

Chaptry's advisionative dystori.

In addition to providing a land, buildings and plant maintenance service, the departments are also currently engaged on a number on ever construction projects involving electrical, mechanical and civi engineering operations. These projects include the construction of the Falcon Building which is scheduled to be designed and built in nin months, ready to hand over in May 1983. Despite its very tight expensive the schedule all the design periods of the properties of the project o

Other projects include the expansion and upgrading of the MASD SDF computer room which is nearing completion with the final stages of the project of the p

A new computer room of approximately 1,700 sq. ft. is being prepared for ADD to accommodate a VAX.11780 and PDP.11/44 with all its associated equipment. This project involved the complete stripping out of the Fisher Controls Ltd. old tool store and a majoreturishment.

An additional area is being prepared at Gads Hill, Gillingham, to enable CQD to expand its EMC facility, and a relayout of its existing area at the Flying School Works will allow it to offer a greater service to its customers.

Because of the increased demand for services from the Reprographic Department, Works Engineering are adding the final louches to a new area which has been built in Hut 19. This will assist the Reprographic Department in meeting the increased demand.

work for FARL at New Mode Avenue has also been inducted in the work programme with the preparation of an area to accommodate a new VAX.11/780 DEC, computing system and graphics processing facility. Progress on this project has been very encouraging.

Following the transfer of ATE Division from Hangar No. 1 into the refurbished Thorn 'A' building, Works Engineering has reached the closing stages of setting up an RST facility in part of the vacated area for ISD. This project included the transfer of the ISD RST facility from the Main Works to the Fibrius School Works.

As part of the programme to re-allocate space to provide bette utilisation of the areas, the section of ASBR Division who we accommodated in New Road Avenue have been transferred to the Flying School Works. This involved a major religyout of the division, and atthough this has been a comparatively slow programme, the fine

The Accounts Department has received the benefit of some improvements to part of their working area and further work is exhactly driving the next financial year.

Another service department which has benefitted from a relayout is EDP. This relayout enabled them to accommodate a second ICL. 2904/ 50 computer with its associated equipment. This additional computer,

The most autiable site chosen for the construction of the Factor Building meanthat we had to demoish the comparatively new Securit Post. Fortunately it was possible to make use of the majority of the materials from the demoished building, including the timber uppe structure for other jobs. The important one being to build a new contritower for the Airport, which was reported in the last issue of this paper.

Work on re-designing and replacing the gutter along the east elevation of Hangars No. 1 and No. 2 was a long overdue project, and the completion of the work must be a relief to all the occupiers who have suffered the ingress of rain water for the past two decades.

With some extensive roof works carried out during 1982-83 we have at least a guarantee that part of the 21 acres of roof area which we maintain should be waterlight for a few years to come.

HE TEAM

There's Kenny Dorrell, sa likeable lad, bugh his playings a little sad,

Now there's Little Stu. anchor man, looks a bit like Desperate Dan.

He's quite a good player or so it seems, f when he scores, has a smile that beams.

and thin, like a pillar.

Some people say that he's a snake.

Andy Hayes well there's a chap, not the pitch, needs a map, whe's the Manager of today,

12. At the back of the pitch the goalie stands hat on head and gloves on hands. In the goal is little Chip.

very neat looking in his strip.

13. Alone he stands,

14. Side to side, he dives at the ball. Catching most.

he dives at the ball. Catching most, but alas not all.

this week. Although the weather, looks very bleak.

Because I've been dropped!! so I'll say 'bye bye'.

Written and produced by B. Downey, IN

The Quadrathon, announced in the last issue of MAV News, has aught the publics imagination in a big way. To date, 135 persons have polled to take part, including one Australian and two Americans.

is already using a heavy training programme. Among his self imposed tasks, he is out running at 3.30am, then cycles from Rainham to Dartford, and back, before coming in to work. After work he swims, or walks, rides or runs. He is fortunate in that his wife of 6 months fully supports his routine and determination to do well.

Several well known newspapers will be adding to the information regarding the event, in the near future. The Sun' will give centre page coverage to one-female entrant, (who completed the Hawaiin Triathion) and 'The Times' colour supplement is planning an exclusive on the event.

Will you respond to this Appeal?

The story below appeared in the Maidstone edition of 'The Kent Messenger' and we reprint as published by kind permission.

lane Mayhew's father, Roger Mayhew, an On Site Engineer, attached to ATE

"Help me to save little Jane's life"

A Maidstone mother is appealing for funds for a hospital machine which could save her daughter's

Susan Mayhew, 34, of Charlton Lane, West Farleigh, is staying 24 hours a day at Great Ormond Street Hospital, London, where her daughter Jane, six, has had a brain

Janehadthe operation four weeks ago and, apart from a few sentences immediately afterwards, has only spoken two words since. She has had intensive and painful treatment since the operation to drain fluid from her brain and had a further operation on

She now has to endure a urther course of unpleasant

s treatment which will make her a very sick and make her hair to fall out

Mrs Mayhew said, "If the hospital had had a new machine called a Cavitron, Jane could possibly have been spared all she has gone through."

Fragments

"I am grateful for Jane's treatment but I realise that the tumour could flare up in the future and the machine might be able to help her then.

"I am urging everybody I meet to help collect funds for it, for the sake of Jane and all other children here who have himours."

Norman Grant, a consultar neurosurgeon at Grea a Ormond Street Hospita machine capable of breaking up the tumour tissue into very fine fragments which are then

"The effect is to make brain and spinal operations safer, more effective and shorter.

"But the cost of the equipment is £75,000 and there is no prospect of our receiving this from the hospital funds."

The amount raised so far by the appeal is more than £1,500.

Jane's grandparents, Joar and Phil Dunk, of Culpepper Road, Coxheath, have beer sending money collected by their friends, neighbours and local organisations—a total organisations—

Mr Dunk said: "People wi have heard about the appe are only too willing to help.

Money for the appeal can be sent to Cavitron Appeal, Hospital for Sick Children, Great Ormond Street, London WC1N 3 IH

The Company has given permission for an opportunity for all the workforce to take part in the appeal. For which purpose, a Company wide collection for the 'Cavitron Appeal', will be made during the week commencing tins will be available in all Divisions, and should be returned to-

Mr. Jim Collin's Office

Please support the Appeal generously.

www.rochesteravionicarchives.co.uk

5



A link with the Company will remain however, one of Bryan's many committee posts is with the Medway Branch of the Royal Aeronautical Society.

Born in Bombay in 1919, he first came to England in 1925 for a holiday, returning in 1925 to attend a public school. Upon leaving college in 1938, he joined the RAF on a short service commission and served throughout the war years, at home and overseas. The Photograph shows Bryan hinks South Africandays (amore detailed account of his remarkable career will appear in the next issue).

Recently retired from service with the Company is Len Calloway, of CMS Estimating.

Len has asked us to convey his sincere thanks to the many friends, colleagues and associates, who contributed to his farewell gift of a Kodak instamatic Camera

Starting his industrial life with Short Bros as an apprentice, he was transfered to Fetham during the way vears. Returning to Rochester he became a Planner with Short Bros, at the Airport (Plyng School) after which he joined Elliott Bost in his Tool Room, under Harold Roper and Dave Marvell. From there he moved to MAC in the Tool Drawing Office and on to CMS TDO's before leaving tooling and taking up Estimating.



Len is a man of many parts, and he is remembered in the locality as an entertainer and MC. His hobbies include DIY, gardening and music. His wife Jessie, retired from the Mailing Dept, but returns occasionally to help out when difficulties arise.

Mr. P.J. Burrows, Production Manager of CMS made the

Mr. S.W. Kent an Inspector IN Division was first appointed in 1937-8 as Trainee Radio and Transmitter Apprentice with GEC in Madras, india, under Mr. Cutting, Manager and Mr. Notley, Assistant Manager in January 1939 he was appointed as Apprentice Signal & Telecommunication Inspector in the Great Indian Peninsula Railway, Bombay. Upon completion of his apprenticeship he was promoted to Assistant Signal and Telecommunication Inspector.

During the war he was responsible for the safe carriage of troops to the war zones of Burma and North Africa in his capacity of Signal and Telecommunication Inspector.



In September 1971 he transferred to IN Division and was in-involved with PMD's, PEU, PSU, CTS and associated equipment. He is married, with 9 children – 5 gifs and 4 boys (all now arried except for 2 boys) and his hobbies include music and



Mr. Kent surrounded by his IN colleagues on the occasion of his retirement. (A).



We offer our sincere apologies for the error we made in issue 49 – 25 Years Service. We wrongly attributed the picture and text to Nancy Bullock, when it should have been Mrs. Blunden of MASD. Here is a picture of Mrs Blunden, surrounded by colleagues of MASD. (C)

On 25th February 1983 Mr. R. Ruggles the Divisional Manager of IND presented a clock to Mrs V. Rudd to mark her 25 years service with the Company, Mrs Rudd joined Elliotts on 27th February 1983 as a Wirewoman working in Gyro Division. About 18 months later she joined inertial Navigation as a Library Clerk looking after the production Area to make collections for persons leaving, getting married etc. and making sure they got a gift and/or flowers and a February 1983 as a Wirewoman working in Gyro Division enlarged VI as she is known to all built up the Production Library with the help of her Cirk's, becoming Drawing Librarian in 1974.

Mrs. Rudd soon started organising office parties, for the Production As, the first being held at the Old Bridge Hotel in Strood, then later at the Social Club in Featherty Poad. These she held whose a year for which there was always a waling lat of people wishing to attend. For many years V arranged the Divisional Dinner Dances every January, firstly at the Central Club in Featherty Road. The Social Club in Featherty Road of the Visional Dinner Dances every January, firstly at the Central Hotel, then the Conniston Hotel in Stimpbourne and lastly at the

Hut 10 is a happy place, life plods on, no hectic race, but the noisiest place, it must be said, is where Vi Rudd reigns, at its head.

For twenty five years, she has toiled, attempts to subdue her constantly toiled, to keep her quiet, it could never be done, try that and she'll soon have you on the run.

But underneath she has a heart of gold, she's really not so bad, or so I've been told, but I wouldn't cross her, not on your life, we've more than enough troubles without that strife.

OBITUARY



Friends of Eric Kilbey were saddened to learn of Eric's untimely death in early February, just a few weeks after retiring from the Company. Eric worked at Thom's for Iwenty years and joined ASAR Division as Assistant Cost and Budget Officer in 1976. He spent two years with ASARD and in October 1978 moved to Powerplant Systems Division as Cost and Budget Officer. Eric was a well-known member of PSD. His responsibilities included Divisional Administration and in that role he successfully handled the removal of PSD to New Road and to Tower 1 during 1982. He retired from PSD at Christmas. The funeral ceremony was held at Medway Crematorium. His colleagues donated a wreath and made a contribution towards Balimoral Lodge Benevolent Fund, a charity with which Eric had been associated in the past.

Safety pays!

Once again the safety consciousness of all employees is reflected in the British Safety Council National Safety Award for 1982, which has been received by the Company.

This award is won by achieving a lower accident incidence rate than the national awarage for the relevant industry, and only 1000 out of the 1,889,700 companies registered in Britain have qualified for the award in 1982.

TO EAT OR NOT?

English Tourist Board

Before preparing plans for having "a day out away from it all," and deciding how and where to eat, spare a little time to digest the item below — My favourite Bite", by Michael Jackson, (author of "The English Pub" and other books), and to act on the advice of arming yourself with a copy of the ETB's "A Taste of England Guide" now read on.

MY FAVOURITE BITE by Michael Jackson, (author of England Guide" now read on.

MY FAVOURITE BITE by Michael Jackson of English food and Drink, provides information on both in a pocketable, easy-to-use, up-to-date form.

In the age of the motorway, it's easy to forget that every country in England, and most towns, have their own culinary specialities. They may be items of produce, like Colchester oysters or Pershore plums; or prepared foods, like Oxford sausages or Banbury cakes; or recipes, like Lancashire hotpot or Sussex pond pudding.

Some may be humble and commonplace, others offbeat and rare, before the food in traditional English foods? An easy answer has just been put to that question in a newly-available, handy booklet costing only 95p and listing more than 100 shops, street markets and farms, a calendar of annual events for food-hunters; and more than 500 places to eat, including not only restaurants and hotels but also tea-rooms and pubs. In case the reader remains hungry after all that, the booklet

interesting brewery names, though there isn't space for comprehensive lists. It might have been more helpful to identify samples of classic regional styles: dry bitters in the South-East, sweeter ones in the West Midlands, a yeasty pale ale from Burton, and so on it is grafifying, though, to see attention drawn to esoferic drinks like Yorkshire black beer and West Country cordials such as shrub and lovage. Spirit drinkers are hardly likely to be unaware of Scotlands claims in this respect but what about England's own distillate? Yes, gin is in the book. You can see that being made too, at the Plymouth Gin distillery. Ascetics and abstainers would no doubt prefer Derbyshire's Ashbourne Water, whose bottlers sponsored the book, though it is produced, with all of list useful maps, addresses and phone numbers, by the English Tourist Board. The frequently eccentric spelling of (sweet) trolley suggests that someone was overtaken by the excitement of the annual elver-eating contest at Frapton on Severn, or perhaps overwhirled at Widcombe Fair (famous for its gingerbread), but a great deal of ground is none the less well covered.

How pleased the researchers must have been to discover names to conjure with like Woodhall's of Waberthwaite, purveyors of Cumberland sausages, hams and Herdwick lamb. Or events like the Egremont Crab Fair (which turns out to be concerned with apples), also in

Cumbria. Although every part of England is covered, Cumbria Illustrates just how much one county can offer, with food products ranging from fish like Morecambe Bay shrimps, flukes and Windermere char, to Cumberland sauce, and sweet items like Grasmere gingerbread and Kendal mint cake. Purists will also want to visit two traditional flour mills which are open to the public in that part of the country. Among the restaurants listed as offering. Windermere char is Ambleside's Rothay Manor, one of the posher places in the book. At Ullswater, the famous Sharrow Bay, once the greatest pioneer of regional French cuisine in Britain, has also begun to stress English dishes, and to anglicize its menu. Could anything better illustrate the success of the Taste of England scheme, which met with more than a soupcon of cynicism when it was introduced a few years ago by the Tourist Board?

Cuisine nouvelle enthusiasts might also note with interest the assertion in the book that raspberry vinegar was originally served on Yorkshire pudding. There are one or two imprecise claims ("Without doubt, the East Midlands is possibly one of the greatest regions in England for cheese") but others believe without question. When a hotelin Lytham St. Annes says it offers "giant chip butties", I think that's probably true.

ETB Activity and Hobby Holidays in England 1983

The Activity and Hobby Holidays in England 1983 offers a wide range of holidays for all sorts of people. Comprehensive information on over 500 establishments is listed in the guide, ranging from activities such as beekeeping in a cottage nestled in the Dales, to a potholing weekend based in a windswept haunted house in Cumbria



—together with details of prices you can expect to pay.

The length of holidays are an important factor for most people and you will find that some are for single days, whilst others run for a week.

The holidays appeal to all ages and cater for unaccompanied children, groups, single people and families.

Activity and Hobby Holidays in England 1983, price £1.25 from Tourist Information Centres, or with 25p postage from ETB, Admail 14, London SW1W 0YE.

Stop for tea

"Stop for Tea" published by the English Tourist Board as part of its Taste of England campaign, is now available. The guide contains details of more than 300 hotels, teashops, museums and historic houses which serve traditional English afternoon teas. The places listed offer a wide ranging bill of fare. A west country cream tea is a perennial favourie, yet other local specialities such as Lymeswold cheese and Cumbrian oatcakes, Yorkshire rarebit with ham. Frome bobbins and East Anglia passion cake can add a little extra interest and spice to tea-taking in the regions of England.

The tea rooms themselves are often located in unusual — and romantic settings, for example the tea guide

teatures an Oast house in Kent, an eighteenth century cotton mill in Cheshire and a working farm museum in the Heart of England.

There are also recipes, facts about the origins and traditions of the admiking and useful information on the many different blends and liavours.

'Stop for Tea' is co-sponsored by the British Sugar Bureau and Ridgways Tea. The British Sugar Bureau is to distribute 30,000 copies as a special offer on 10 million packets of Silver Spoon Sugar. The guide is also available from the English Tourist Board at 4 Grosvenor Gardens and from local Tourist Information Centres price 75p (+ 25p postage and packing).

Personality



IN LIGHTER VEIN WINE ON A BUDGET

Gary Gallagher, is a Sportsman of no mean tailent, and a fellow employee extraordinaire.

As a worker, Gary has been expected in the sport of the sport of the sport of the sport of the sport, he was the UK Champion in 1981, which at Stitinghourne.

An athlete, who specialises in the Triple Jump event, he was the UK Champion in 1981, which at the won in Northern Ireland. He is now in the International Area for the sport; having progressed since he was 15 years old, when he began Triple Jumping.

In January 1983, he was placed since he was 15 years old, when he began Triple Jumping.

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In January 1983, he was placed which a distance of 15-19m. This was a personal beat, he took part in the term of the sport; having progressed when he began Triple Jumping.

In January 1983, he was placed which a distance of 15-19m. This was a personal beat, he took part in the term of the sport in the Triple Jumping he work of the sport in the Sport of the sport of

Sports and social club round up

| Cecil and Ruby Rhodes | 19 years |
|------------------------------------|----------|
| George and Betty Homewood (Silver) | 25 years |
| Bertand Joan Brisley | 29 years |
| Dave and Edith Clark | 43 years |
| Eddie and Effie Wellard | 43 years |

AN INVITATION

One of the ways in which people can help the Visually Handicapped, is to ensure they are treated as normal people. They themselves do much to help them act and tive normally, including sports. To this end, there is a MEDWAY SPORTS CLUB FOR THE VISUALLY HANDICAPPED who endeavour to organise matches for their members. An invitation is extended to any Division, to arrange a match date in any of the following sports. Darts, Cards, Dominoes, Cricket etc. For full information and details.

TABLE TENNIS TOURNAMENT (Handicap)

At MAV/BP Social Club, Hoo On 1st May 1983 from 10am

Entry Form (20p per Entry) Closing Date 15 April 1983

Diary Dates

Social Club Hall, Four Wents, Hoo

Social Club Hall, Four Wents,
22nd April 1983. 7–10pm
Children's Disco with 'The AA Disco'
Admission 25p at the door
23rd April 1983. 8pm
Parlour Derby. Betting Units 20p
28th April 1983. 7.30pm
Table Tennis Section AGM
1 at May 1983. 1.30pm – 8pm
Table Tennis Torumament
8th May 1983. 8–11pm
Social Evening with the trio 'Midas'
Tickets 25p from Club Bar or int. 2217
13th May 1983. 7–10pm
Children's Discotheque with 'Vapourisation'
Admission 25p at the door
20th May 1983. 8–11pm
Cards & Daris Presentation night with
demonstration of Darts, by Eric Bristow

20th May 1983. 6–11pm
Cards & Daris Presentation night with
demonstration of Darts, by Eric Bristow
4th June 1983. 8–11pm
Discotheque with "Tip Top Sounds"
Admission 25p at the door
1th June 1983. 8pm
Parlour Derby 8 races. Betting Units 20p
6th August 1983. 8–11pm
Discotheque with the "Dee Kay Road Show"
Admission 25p at the door
13th August 1983. 7.45–11.45pm
Social Evening with "Mescalero"
Tickets 25p from Club Bar or int 2217

This section has now gone into competitive playing, and held a friendly match at the Black Lion Sports Centre, against Black Lion 'B' team.

The final score, which MAviBP Kent won by 4-2 disguises the closeness of games. The result was in the balance until the final two games.

POOL NEWS
SWIMMING POOL OPEN ON
BANK HOLIDAY MONDAY
May 2nd. May 30th. August 29th

Answerto Brain Teaser-page 8 | CROSSWORD No. 50

oe met Ena on a Plano (P and O) liner. She looked marvellous in an Accordion pleated skirt with a bunch of Vlotas at her waist. Joe, learning her Flute like voice, unknot to meet her falling over a Drum of 31 on the dock. He said "would you like to come to the Concertina, Concert Ena)" PSLuthes said "No!! would rather her arthe Banjo (Band

Ode to Chime Watch Owners



IT'S COMPANY POLICY NOT TO REPLACE ANYONE WHO LEAVES.

