

Orion — a new star rises in ATED

ORION, announced on 25th April, is the Company's first ATE to be aimed directly at manufacturers of commercial electronics. It incorporates new features to meet the pressing need for quality with economy, in the testing of electronic products prior to delivery.

ATE Division have built upon their expertise in test systems for avionics and defence projects, to produce the Orion ATE family to specifications which span the productivity needs of large and small manufacturers alike.

The equipment was first shown publicly at the Electronics Production Efficiency Exposition at the National Exhibition Centre, Birmingham on 1-3 May.

The new ATEs are designed to cater for the growing sophistication in commercial and defence electronics, for which the high quality intrinsic in 'functional' testing is very desirable. This technique, in which an electronic assembly is tested for its actual performance, has previously been uneconomic for certain kinds of production. It is through advances in equipment design and programming techniques, that Orion can overcome this obstacle.

In addition Orion includes a low cost 'in-circuit' test option which can also be purchased separately. In its simplest form, in-circuit testing proves that printed circuits are correct and components properly located, which is sufficient for many applications.

With Orion, the most cost-effective choice is easily made and the chosen equipment can be later extended in step with the range of products being manufactured. Versions based on the same computer, desk and system architecture, keyboard and display assemblies, provide any combination of in-circuit and analogue or digital functional testing.

The equipments have been designed to complement the range of ATE already being marketed by MAV and Marconi Instruments, and both GEC companies will be involved in joint activities to promote Orion effectively in commercial, avionics and defence markets.

The events leading up to the launch of Orion have involved many people in ATED and the company at large, not only in the design and development work but also, probably for the first time here, in a major market research and definition task and introduction of the product in a crowded market place.

In 1980, ATED took the decision to market a product range with wider application. One result has been Compact ALPHA which has since earned orders averaging £1 million each year.

Armed with this experience, and with a broader customer base, the division has developed new ways of analysing the needs of a greater variety of electronics manufacturers, large and small. This has resulted in a specification for a family of ATE which occupies a unique place in the commercial ATE market, reversing some presently escalating cost trends.

Since just over a year ago, up to 25 engineers and production staff as well as those involved in the marketing exercise have been working under the direction of Rupert Soames, Orion Product Manager. Sue Marsh, Engineering Manager looks after the 'technical' aspects, both hardware and software, drawing on around 10,000 man-years of experience built up over 23 years by arguably the strongest centre of ATE expertise in Europe. As well as the equipment and its suites of software, they have developed a special programme to enable simulation and comparison of different test strategies to help the choice of system.

The launch of Orion was a new venture for our business, involving briefings to senior divisional staff and people in QA, production, and engineering, and a full conference for technical press representatives. The presentations were undertaken at different times by Bill Alexander, Paul Rayner, Arthur Cowell, Rupert Soames, and Sue Marsh.



Sue Marsh with one of the seven versions of Orion.



MAV TOP DESIGNER WINS LORD NELSON GOLD MEDAL

Stafford Ellis, Company Design Consultant, has been selected to receive the Lord Nelson Gold Medal for Technical Excellence for his outstanding innovations in mechanical design. Lord Nelson will personally present the medal, which is awarded under a scheme set up by GEC to mark his retirement last year as Chairman.

GEC, whose constituent companies employ 178,000 people worldwide, is awarding gold medals to five top GEC scientists and technicians, whose individual performance has had outstanding technical merit and who continue to do highly creative work. 'Staff', who has for the past 30 years consistently produced innovations in design across our whole product range, is the only mechanical designer among the five winners.

As well as being a great personal distinction, the award underlines the importance of innovative mechanical design carried on at all MAV sites.

'Staff' has been directly responsible for many highly-successful designs currently flying on aircraft all over the world. They include new types of head up displays, holographic optics, fail-safe actuators for aircraft control systems, compact inertial platforms, and many others.

A man who has never sought academic distinction, the creative genius of Staff Ellis has to be judged by the success of his inventive designs. These are now beginning to receive acclaim from engineering professionals in the UK and overseas.

He has recently been honoured by the leading US aerospace magazine, Aviation Week, for his work in holographic displays and, although not a member of any learned society, was presented with the Bronze Medal of the Royal Aeronautical Society in 1980, for work leading to advances in aeronautics. Last year, he was selected by an industrial team led by Sir Monty Finniston as a finalist in the Prince of Wales Award for Industrial Innovation, for his invention of a new kind of night vision goggles. These enable a pilot to see in the dark, or look at illuminated instruments, at will, (something which is not achievable with equipment in current service).

His innovative design work, which has led to more than 40 patents, continues today, to include remotely-piloted aircraft, industrial subsea equipment, new kinds of joystick for future aircraft and advanced sonobuoy arrays.

Our congratulations to 'Staff'.

The equipment was on display and was shown to groups of visitors by a number of ATE Engineers, and there was a particularly impressive audio-visual display which had been prepared in-house by the AV unit at New Road led by Bob McCall, scripted and directed by Alison Gollay and photographed by Albert Marshall. Support also from canteen and other service staff helped the whole exercise along and the company's first effort at a presentation of this nature aroused widespread interest and favourable comment.

Back row (L-R): Rupert Soames, Neil Fearna, Russell Woolley, Kevin Dawson, Tony Fitzpatrick, Bruce McClelland, Paul Barrett, Bill Newberry, Nick Howard.
Front row: (L-R): Sue Marsh, Peter Rann.

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



GRADUATES ASSOCIATION HELP CANCER RELIEF

On Sunday 18th March there was a sponsored walk organised by Cancer Relief, in which an energetic group from the Association took part. The ten-mile course started at "Crispin and Crispianus" in Strood and took in other appropriate establishments for food and refreshment on a rather circuitous course round to Cuxton, Cobham and back. The event raised £300, which was later presented by Sally Bilsby, Association Secretary, to Wendy Laker of ATED who is on the committee of the local Cancer Relief organisation, in the presence of Arthur Colwell, Divisional Manager. Taking part in the walk were Sally Bilsby, Ian Ramsay, Jeff Bateman, Mark Angerton, Mark Cook, Mark Cox, Ian Lugard, Gary Creasey, Trevor Hutton, Lloyd Langley, Carole Evans, and Dave Prasad.

Planned to take place Friday 27th April, a 3-legged Fancy Dress crawl around 10 pubs in the Rochester-Delece area, also in aid of Cancer Relief.



Presentation of £300 cheque to Cancer Relief.

**COPY DATE
 NEXT ISSUE
 THURSDAY
 7th June**

MAVCAS

Marconi Avionics Computer Appreciation Scheme Arrangements for local computer repairs

We have been informed by The Medway ITEC that they are now in a position to carry out repairs to BBC Model B Microcomputers purchased under The MAVCAS Scheme. They will be able to handle both warranty and out of warranty repairs by prior arrangement.

If you would like to avail yourself of this service at any time, please contact Mr J. Collings of the Medway ITEC (Information Technology Centre) on Medway 577777 who will advise you of delivery details.

SPONSORED "STOP SMOKING"

Y.T.S. and Apprentice Trainees sponsored three Training Centre Instructors, Derek Davis, Derek Nicholls and Graham Bicker, to give up smoking for the whole of March. Here Bridgett Bayliss is seen presenting Mrs Jean Ray, local Children's Society Secretary, with £80 collected from this event.

This is one of the many fund-raising events the Training Centre have participated in to help less fortunate young people of the Children's Society.



Back: Derek Davis, Derek Nicholls, Bryan Hammond, Graham Bicker, Perry Austin. Front: Linda Mortimer, Bridgett Bayliss, Mrs. Jean Ray.

TIDDLERS FOR TODDLERS

Guard Greensmith tells us that the appeal is going well with many divisions donating bottles of small change, not forgetting the Karate Club. An Easter Raffle has brought the total collected to £200. Thanks to all who have helped, and who will be contributing.



A PHYSIC GARDEN, COOKERY AND HERBS

Did you know that Rue was waved in front of the judges on the bench to ward off the foul smells emanating from the unfortunate prisoners cowed before them? Equally Henbane was an important part of any aspiring politician's brief case, being very useful in the removal of rivals. The Physic Garden at Chenies Manor House, itself full of history and charm, contains one of the most extensive herbariums of medicinal and culinary herbs in England. You can tour the house, complete with priest hole, or the garden which boasts of a sunken garden, topiary and a labyrinth. If you fancy trying out a little Henbane on the parents-in-law, herbs are also sold to the public.

Chenies Manor also runs a series of day Cookery, Flowers and Gardening courses throughout the summer. These are hosted by such well known figures as Roy Lancaster, Fred Wilkinson (he 'did' the flowers at the Royal Wedding) and John Eley, the 'Cooking Cannon of Carlisle Cathedral'. The course cost £25 a day and include lunch, tea and a tour of the house. For details of all these goodies and even a useful tip on herbs contact Mrs. E. Macleod-Mathews on (02404) 2888. (Near Amersham).

Marconi Avionics PRIZEWINNERS

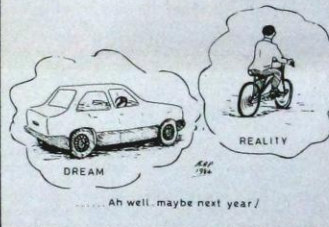
At the end of March the Annual College Prizegiving took place at Mid-Kent College of Higher and Further Education.

We congratulate Graham Hollands who was presented with a Marconi Avionics Award for his work in the Higher Technicians Certificate in Electronics. Graham completed his apprenticeship in 1982 and is now a Test Programmer in ATED.

A similar award went to Anne Upton who does not work for MAV, for her work in the HND Computer Studies.

Steven Harrall, Design Draughtsman in ATED, received a Liberal Studies Prize.

When we get our pay review
 I can buy a.....



SMALL ADS

FOR SALE

'Buccaneer' class 24ft yacht
 8 years old. Extensively refitted 83/84. Inventory includes: Stuart Turner inboard engine, SL 400 sea toilet, Echo sounder, cooker, Main sail, genoa and working jib, Dinghy, £3000

Contact:

Paul Barrett, ATE - Int. 2048, Home - Medway 669308

Boats Carrycot and Transporter £25, very good condition. Cindoco Baby Bouncer £5, very good condition. Central heating radiator 63" x 24" £25. Ed Goring ADD 2493

Rickman full sports/touring fairing, fit most bikes 500cc plus. Cost £110, sell for £30.

and 2-stroke tuning undertaken, light road or full race. Specialise in LC's X7's, RD's also trail bikes. Prices from £30. Int. 2561. Ask for Paul.

And for the homeless ones ...

For Sale

HANGARS SECURITY POST

This fine detached cottage in a good state of decay, has been allowed to come on the market. A chance you should not miss. The property is sited in a quiet area off Kent's rural countryside, close to main road links (too close), and comes with a modern kitchen, outside w.c., wall to wall dry rot and woodworm, running water (usually down the walls). We are interested in tenders for this fine property. All tenders to staff, Docherty, and Peggie.

Estate Agents

CASTAWAY

This month's castaway is Paul Little. Paul is the Facilities Engineer at Marconi Avionics Inc. in Atlanta. He loves doing anything outdoors — that's good because he spends most of his current workday outdoors supervising the completion of the new Atlanta facility! Other favourite outdoor activities include camping in the mountains, cycling, running — and especially soccer! We also hear he's a good cook.

Music
 'Against the Wind' — by Bob Seeger.
 Anything by Joe Cocker
 'Yesterday' — by the Beatles — and all other "early" Beatles music.

Books
 We have a problem here. As Paul is never still (or indoors!) long enough to read books, he has selected only two magazines as reading material.
 Those are:
 Reader's Digest and National Geographic

INDENTURES PRESENTED AT HOPEWELL DRIVE

On Thursday 29th March Mr Alexander had the pleasure of welcoming to the company the 1983 intake of Apprentices and Trainee Technical Writers, when he presented them with their Indentures at an open evening at the Training Centre. He also met their parents, quite a number of whom are also working with MAV. A varied and full display of

the equipment and techniques the trainees will be learning about had been arranged, and were explained to the parents by the apprentices and the Instructors who were hosts for the evening, together with Barry Wallington, Superintendent, and David Perry, Manager, Training Services. John Bradley and other



Mr Alexander presents indentures to Linda Mortimer, with Mum and Dad. Linda is 17 and lives in Chatham, where she attended the Grammar School for Girls. She owns a computer and enjoys reading, trampolining, tennis and cooking.



Mark Jeffrey with his parents receives his indentures. Mark (16) of Maidstone Rd., Chatham went to Chatham South school; he also has a computer and spends his spare time small-bore rifle shooting and roller skating, as well as being Patrol Leader in the 45th Medway Scouts.



Bridgett Bayliss shows mum her project work. Dad was elsewhere looking for a μ computer — many of us know him as Treasurer of the Computer Users Club. Bridgett comes from Chicago Ave., Gillingham and Woodlands Rd. school; she enjoys swimming and helps organise outings for the apprentices to London skating rinks. She also has a computer!



Alan Fosbeary shows a member of CACD, his dad, how the Training School lathe is better than the one at home. Alan, from Robin Hood Lane and Chatham South, is keen on fishing and was a member of the MAVBP fishing team which competed in the GEC Championship at Lincoln last September. He is also a radio ham.



Daniel Mann explains mechanical mysteries to his mum and dad (who is a Design Draughtsman in ADD). Daniel lives at Larkfield, and blows a large brass instrument in the MAV band, also belonging to the Larkfield company of the Boys Brigade. He attended Clare Park School, East Malling.

Personnel and Training Staff were present, as well as parents, guests included lecturers from Mid-Kent College who are involved in the training programme.

A steady flow of apprentices brought their parents to sign the indenture documents which were then handed over by Mr Alexander who had a brief word with

each family as they were introduced.

Refreshments were available during the evening, and parents seemed to be unanimous in their praise of the facilities which were on show to them. The 52 trainees who came are listed; those marked * join one or both parents in the company.

APPRENTICES

*Alan Fosbeary, *Bridgett Bayliss, *Nigel Colechin, Christopher Gilbert, Spencer Diprose, Roy Culmer, Andrew Glover, Robert Gennings, Julia Donovan, Linda Mortimer, Darran Hibbert, Mark Jeffrey, Clifford Oulds, Kenneth Watkins, Paul Williams, David Weatherley, Paul Davison, *Steven Chowne, Robert Densley, Alan Knowler, *Matthew Craven, *Michael Nugent, David Murdoch, Ian Fisk, Christopher Rogers, David Wood, *Ian McGrath, Paul Newton, *Kevin Zillwood, Alun Price, Darren Hoadley, Peter Frid, Perry Austin, Kevin Swainson, *David Godden, Keith Bardeo, *Andrea Calver, Paul Hopper, Mark Bew, Lisa Fawcett, *David Mann, *David Cassingham, Peter Weekes, Anthony Parsons, Stephen Quinell, *Steven Slough, *Colin Davis, Gary Clarkson.

TRAINEE TECHNICAL WRITERS

Ruth Watchus, Brian Dungey, *Richard Goodhand, David Hewlett.

Appointments and Promotions

David Reeves is now Group Commercial Manager, reporting to Peter Hearne for the commercial and financial activities of the divisions under his control, while continuing as Commercial Manager of Marconi Avionics Projects Ltd.

Roger Massey similarly is Group Commercial Manager, responsible to Ron Howard for his divisions.

Dr John Bussell is appointed Communications Support Co-ordinator, responsible to Glyn Thomas for providing a communications support and consultancy service to all MAV sites.

Pastures New

AS&RD report that April was a very sad month for the division, who lost four experienced and highly respected people.

Firstly, **Lynda Lawson**, Library, departed for pastures new. Friends wish her every success in the future, especially in her forthcoming marriage to Alan Rodgers. To mark both events she was presented with a bracelet and a jewellery box.

Friday 13th proved particularly unlucky for it was this day that three key members of staff left.

Derek Harvey leaves after 14 years to take up employment as a Rep. Friends hope his experience will stand him in good stead. He received two presents, a substantial gift voucher and a carriage clock, the second in appreciation of his unending work for the divisional social club.

Dave Linken the artist behind much of Tech. Pubs' artwork departed after seven years for a new challenge. Colleagues presented him with an executive brief case.

Kevin Smith's departure from Purchasing marks the end of an era, although only "young" he was considered one of the old guard and will be greatly missed. Everybody wishes him every success in his new job in ADD. Kevin thanked the division for his presents of a calculator and squash racket by supplying an endless stream of homemade cakes. Again thanks to Kevin and Sue for the goodies.

On a happier note. The division was pleased to see **Jackie Breckin** and her new daughter Charlotte Elizabeth Marilyn, born 23rd March.

In PSD, Production Manager Mick Meskin made presentations from colleagues to **Karen Jane Moss** who started July 1983 as Clerk Typist in scheduling section, and left the company to join the Swiss Centre, London.

Correne Lesley Ripley who started July 1980 as Progress Clerk has left to enter realms of motherhood after 3½ years of mothering the progress of RB199 and CF18 APT systems.

Ann Gullick 4 years in PSD as Stores Operative left in sympathy with her bosom pal (Correne Ripley) and also because of her husband's transfer from Chatham dockyard to Portsmouth.

"All will be missed"

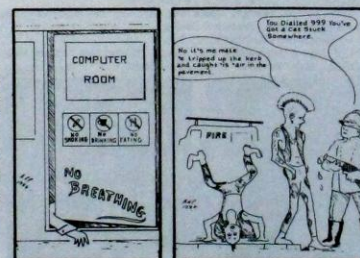
Chris Jarvis of works engineering writes: "I would like to take this opportunity of wishing farewell, (but not goodbye) to all the friends and acquaintances with whom it has been my privilege and pleasure to have worked over the past 8 years."

MAV OPEN LECTURE AT UNIVERSITY

Friday 16th March was the occasion of this year's Marconi Avionics Open Lecture at University of Kent at Canterbury. The Lecturer was Dr John Bell of CERN, Geneva, and his subject was "The Einstein-Bohr Controversy", to do with determinism. (Theory that human action is not free but determined by motives regarded as external forces acting on the will — Concise Oxford Dictionary.)

Although Dr Bell was unable to be present, a preliminary to the lecture was a visit to MAV by Professor J. Chisholme, Professor of Applied Mathematics at UKC and Open Lectures Chairman, with some of his colleagues.

Jack Pateman, Ray Reese, Derek Hamlin, and Malcolm Moulton were hosts, for a briefing on the Company and visits to several areas in CACD.



AN ENVIRONMENTAL AREA C 'DANTÉS INFERNO'

"Dantés Inferno" — these were the words used by Joe Smith, Airborne Display Production Manager, to describe ADD's R.S.T. area on his first visit.

From that first visit plans were made to completely refurbish the area. This enormous task required the co-ordination of works engineering, the production department and sub-contractors. ADD were well aware that with their order book there could be no loss of output due to non-availability of environmental facilities.



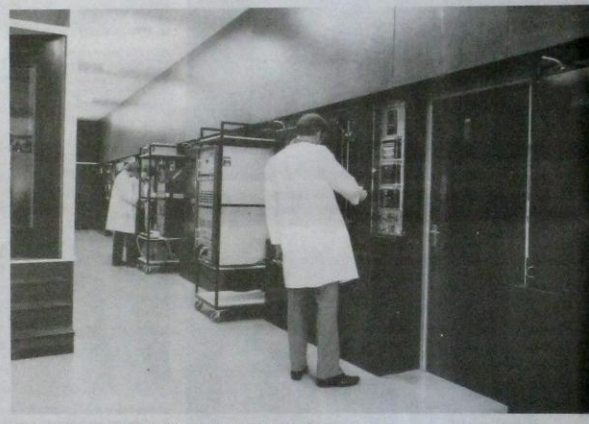
But later — One could eat off the floor, if allowed.



Where does this bit go?



INFERNO



Thinks... 'Yes they still work!' — Phil Price, Foreman of test.

MARCONI AVIONICS INC. REDMOND MOTORCYCLE CLUB

All employees at the Redmond office are keen motorcyclists (with the exception of Christine Conte, Secretary). It was therefore inevitable that a club would be formed.

The picture shows the members on their machines:-
 Left to right, "Mac" Steve Marker on his MZ250, Paul "Animal" Oelund on his Yamaha SR 500, Glen "Haggis" Hislop, Honorary Member on his Suzuki Katana and myself on the rather elegant BMW ST80.

Honorary Memberships are awarded to visiting motorcyclists after payment of the proper dues at the local tavern.

For example, "Haggis" spent hour after hour 're-initiating' himself with my help during his stay in Seattle.

Others whom you might recognise:-
 "Evil" Neil Wolstenholme, MAV Atlanta, "Nasty" Nick Honner, MAV Dayton, Stan "Smasher" Smith, MAV Atlanta.



Peter Clarke.

WE RAN THEM

Kent County Constabulary recently ran a Police National Press and Public Relations Course. As part of this, there was a visit of around 16 police officers to the company on April 4th. The purpose was to enable them to find out how a large industrial organisation functions, and how it puts into practice the many aspects of PR and press contact needed to keep customers and public informed. The visit was led by Chief Inspector David Hatcher, who at the time was Press and Public Relations Officer for Kent Police, but who has now taken up the senior post in charge of Rochester police station. His course members were police officers from all over the UK including Ulster, and they heard from a number of company 'PR' staff, including Malcolm Moulton, Peter Simmons, Bob McCall, Roland Thomas. The party were also shown around ISD and FCD, and later there was an informal gathering at which local News Editors from press and radio had a joint briefing with the course members. The Police expressed their thanks to the company, saying how tremendously impressed they had been to see how a company such as MAV 'works', and handles its public relations, both formally and in the daily work of all its staff. The Police bus finally left amid two-tone fanfares and those MAV people who were also about to drive down Bluebell Hill wisely held back for a few minutes.



Many Police Officers and some company staff; Malcolm Moulton greets Chief Inspector Hatcher.

CREATED FROM



The ground plans were then laid and the members of the R.S.T. area were made aware of all the forthcoming events, and what would be required of them to maintain a good working environment. Works engineering, for their part, drew up a refurbishment schedule and made sub-contractors aware that times should and would be adhered to.

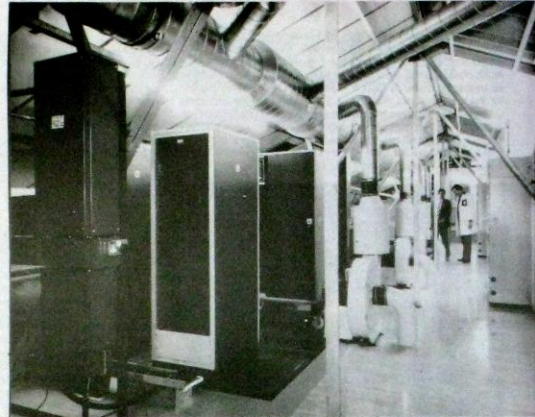
Then came the big day!! Walls were knocked down, steel erectors arrived on site and things got off to a good start. The test staff were undaunted. Ray Gowing and Phil Price seemed to be transferred from production test



Denis McQueen long serving tester, presides over the completed work. Tony Greaves checks the controls.

to "Gowing & Price Builders Limited" — stepping round chains and hoists and over rubble to test units. This was not a case of a little aggravation as this

disruption carried on for over nine months. As you can see from the photographs it has all been worthwhile and we now have an area to be proud of.



Upstairs — The works.

Now when he enters the area Joe Smith's description of the area is "John White's Banqueting Hall" (he sees me holding court at the head of the table). This

is a definite improvement on his original comment.

Many thanks are due to a great number of people, but most of all to Ray Gowing, Phil Price

and all the members of ADD test staff for their tremendous effort and drive in helping to achieve the ultimate in test areas.

John White, Chief of Test.

IN



Karen from down under



Karen Lines in Aviation Service and Repair Division.

KAREN LINES won a Scholarship from the Adelaide Jaycees (Junior Chamber) for a nine month study visit to this country as part of her award for the title of South Australian Apprentice of the Year. As part of her tour, organised by the British Junior Chamber, she spent a couple of weeks at Rochester learning as much as she could about our business. In the main she was attached to CMS but she also spent time in the engineering departments of ADD, ISD, ATE and AS&RD, meeting many practicing engineers, technicians, and support staff with whom she felt an affinity because of her work with the Defence Research Association in Adelaide where she is a maintenance Radio Tradeswoman. She hopes in the future to become more involved in digital technology, particularly the design and testing aspects.

This major tour was not easily won — Karen was selected from 15 finalists in a much larger entry. She had been in England five weeks before coming to MAV, and plans for the rest of her stay include time in a hospital catering area, a farm in Devon, several other industrial attachments and visits to France for the European JC Conference. Karen said she enjoyed her visit very much and was grateful to all who spent time looking after her.

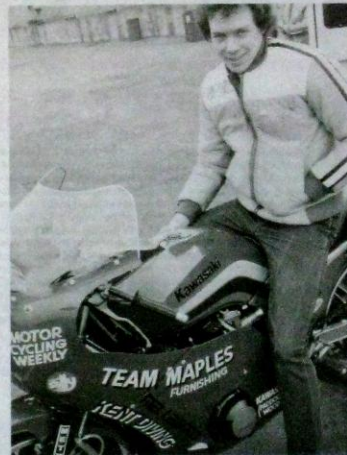
LE-MANS 24 HOUR MOTORCYCLE RACE

Mark Bowen of ISD Model Shop competed at Easter in the most gruelling motorcycle endurance race ever, The Le Mans 24 hour in France.

The event that included factory works teams of Honda and Kawasaki began at 3p.m. Saturday 21st and finished 3p.m. Sunday 22nd and Mark with team mates Ken Blake and Ray Knight finished a superb 16th place overall.

Added to this achievement was the fact that they finished 6th in the F1 (750cc) class and won the "Kawasaki France F1 trophy" awarded for the first 750cc Kawasaki to finish.

Even if the team did not finish it would be worthwhile because they were raising money for the charity "Multiple Sclerosis" on a lap by lap sponsorship basis. They completed 650 laps, covering 1700 miles in 24 hours,



Mark Bowen astride Team MCW's Kawasaki prior to leaving for the continent. Photo by courtesy of Motorcycling weekly.



Le-Mans practice.

raising some £1500 for Multiple Sclerosis, and would like to thank everyone for their support.

Mark's team "Motor Cycling Weekly" had spent a frantic 3 months practically rebuilding the bike, after selling his Suzuki on which he came fourth in the Marlboro Clubman's championships last year. Barcelona 24 hours — here we come!

RETIREMENTS

Pat Booker started her working life 44 years ago as a Dolly Girl/Riveter with Short Bros. but it was only 18 years ago that she joined this company, in Airspace Division. After some time in ACD, she went into Automatic Test Equipment Division in 1974 as Inspector, Inwards Goods, where she has been 'in charge' for the last ten years. Pat enjoys parties, and stories and jokes — as well as by these she will be remembered in ATED for her eagerness to help all sorts of people and causes. Assistant Production Manager Barry Brown presented Pat with a Multichief (not micro) processor on behalf of the huge crowd of friends and colleagues who assembled to bid her farewell.



Pat Booker with Barry Brown. (A)

Len Kemp, Senior Buyer in MASD, retired from the Company on 19th April.

His working life started with Short Brothers at this factory in 1934 where he became a chargehand responsible for prototype aircraft fitting work. After the war, during which he was a vehicle mechanic with the RASC, finalising as an inspector with the rank of Sergeant, he came back to this site as a fitter with Swift & Swallow. After a while he joined Guided Weapons Division and was transferred to Lewisham with Servo Division in 1960, this Division being a split from GW Division. His purchasing career started at Lewisham when he was promoted to 'Progress'.

In 1969 he applied for a transfer back to Rochester, as daily commuting by train was becoming a chore, and joined ACD as an Expeditor. He was soon promoted to Assistant Buyer and moved into MASD shortly after its formation. He was subsequently promoted to Buyer and then Senior Buyer responsible for the day to day running of MASD's Purchasing Department.

John Goodhand, Production Manager, presented Len with a Workmate together with the balance of the money collected, on

behalf of all of his friends and colleagues at Rochester. He spoke warmly of Len's dedication to the Company and praised his loyal hardworking qualities. Len will be maintaining contact with the Company through the Long Service Association and looks forward to meeting friends and colleagues again at the next function in June.

In retirement he is looking forward to pursuing his hobby of scale model making for which he has already established an enviable reputation for craftsmanship and durability. He has already made many dolls houses, forts, garages and farms, in wood, for the children of Company employees, and we wish him a long and happy retirement during which he intends to enjoy his pastime to the full.

Dave Harries, Production Manager IND, presented a cassette recorder to **Cyril Pearson** on behalf of his friends and colleagues to mark his retirement from the Company. Cyril joined Elliotts in 1968 in the then TAC Division (later becoming FCD) and transferred to IND in September 1971 as a fitter, for some years Cyril has also carried out all the engraving for the machine shop. Before joining Elliotts, Cyril had served an apprenticeship with Short Bros. joining them in 1957. Towards the end of the war he served 3 years with the Royal Signals, and on returning from the forces worked for a local jeweller, employed on manufacture and design of jewels of office for the Rotary Club and many other clubs and associations for home and abroad.

Cyril says he has no hobbies as such, but has many varied interests such as Archaeology and hopes to have time to join a local 'dig' when not digging his own garden or carrying out the many jobs he has lined up for him.

Cyril will retire with one son and 2 grandchildren.



Cyril Pearson with Dave Harries.

25 YEARS' SERVICE

On 13th April, Friday being a lucky day, **Arthur Colwell** completed 25 years service and received from Bill Alexander a wall clock to mark the occasion. The many colleagues and friends from several divisions and management were reminded that as a 'young lad' Arthur started his career with de Havilland Propellers, but when he joined this company he began in the launch of the Civil Aviation team involved with the first autocard system, on the VC10, and with Aircraft Controls Division back in the days when Bill Alexander was Divisional Manager. A few months later the Division split into Transport Aircraft and Military Aircraft Controls; Arthur continued to help with many trials and tribulations at Weybridge, and his career progressed in TACD through Project Manager and Chief Engineer and in 1969 to Deputy Divisional Manager. In 1970 he was appointed Divisional Manager of the then rapidly developing Airborne Display Division, and as recently as January last year took up his present position as Divisional Manager of ATED. In replying to Mr Alexander, Arthur said that one of the best things he had found with the company was the challenging work and the way that everybody rises to that challenge.



Arthur Colwell receiving his clock from Bill Alexander. (A)

In 1959 **Ken Walling** joined Aviation Division, then at Rochester, to work in the Production Test Department. He worked to become expert on the Autopilot for the English Electric Lightning.



Ken Walling received a wall clock from David Clives, FCD's Divisional Manager. (B)

In 1963 he moved to the Engineering Department of what was then MACD, first as a TA and then as a Development Engineer. Whilst in these positions he worked on the Autopilot and Auto-throttle systems for a number of aircraft and helicopters. During this period Ken provided many a newly arrived Engineer with guidance and assistance illustrating his patience and consideration for the problems faced by fresh graduates. Because of his understanding of the Production Department he was also able to provide, as he still does today, a valuable link between Production and Engineering giving the benefit of his experience to reduce the friction that can sometimes occur.

It was also during this time that Ken became 'a bit good' at tennis — or so they say. It has even been reported that he beat his then Head of Section, who finally had to take refuge in AS&RO (John Jones).

Time moved on and around 1974 Ken became Project Engineer on the Drone Sea Vixen Project. This project was to form the basis of what is now the UMARPV Group, within FCD. As the group's activities have widened so Ken's abilities and experience have been most valuable on several Flight Control Computers.

Outside activities have, apart from tennis, also included a fair bit of Building. He has built extensions to his previous house and to his present bungalow. This has enabled him to 'Perfect' his bricklaying much to the envy of those who cannot achieve such high standards.

Eric Skinner joined Elliotts on 23rd March 1959 and to mark his 25 years service with the Company, Dave Harries (President of the Long Service Association) presented him with a barometer. Eric started work in the then MAC Division, working on Jirdiviks, Buccaneers and Lightning computers. He joined IND in July 1966 working on the last of Blue Steel, building Nimrod Test Sets and other Nimrod units. In March 1971 Eric was made a Calibration Test Technician and helped set up the present IND Calibration Department. In October 1973 Eric was promoted to his current position of a Calibration Test Engineer.

Eric's wife also works for MAV in the Accounts Department, they have one daughter who has a son and daughter.



Eric Skinner receiving his presentation barometer from Dave Harries. (A)

Congratulations

Engagements

Congratulations to **Faith Hayhow** of IDO Cost Section in Accounts, engaged on 31st March to **Robert Cannon**.

Carolyn Smith, Trainee Technical Writer in ISD Tech Pubs and **Stephen Hannah** who works for Berry Wiggins became engaged on 24th March. Their friends send congratulations.

Weddings

Judith Hardie, Technical Illustrator in ISD Tech Pubs, and **Michael Diamond**, Development Engineer in CACD, were married at St. Mary's Stroud on Saturday 24th March. Friends wish them all the best for the future: a presentation was made by Irvin Gray, Head of Tech Pubs, of sheets and pillowcases.

Jennifer Evans and **Martyn Coleman** were also married at St. Mary's on Saturday 28th April. Jennifer, here for 4 years, qualified as Technical Writer in ISD after training at Hopewell Drive, Martyn, from Wales, joined as a graduate 6 years ago and is now a Senior Software Engineer in ISD.

Future Events

Wendy Pound left the 'Top Floor' on Friday 6th April to await a happy event in June, after four years with the Company. **David Rickard**, Financial Director, presented her with numerous gifts for the future child and also one for herself. Wendy's husband Ian is a Project Engineer in ISD.

Births

To **Alan** and **Coral Corthorn** a daughter Charlotte, born on Tuesday 3rd April. Alan is Chief Production Engineer in FCD. Before her confinement Coral worked in ADD as a clerk.

To **Paul** and **Sue Everitt**, a son Craig Anthony born 14th April. Paul works in CMS stores and Sue works as a Clerk Typist in FCD Admin.

Rhet and **Maria Pullen** had a very happy Friday 13th April, they had a daughter Justine born on that date. Rhet works in CACD Production Purchasing.

A daughter Hayley Jade was born in All Saints Hospital to **Jane** and **Paul Childs**. Paul works in ISD Logistics; Grandpa (first-time) CURLY is Assistant Production Manager, ADD.



Sports and Social Club round up



MAV/BP COMPUTER USERS CLUB

The committee have decided to launch a competition to design a club logo/motif to be used on letter-heads and possibly ties/badges etc.

To this end they have allocated £25.00 to be awarded to the winning entry to take the form of a credit voucher to be used in the purchase of hardware or software through the club.

In addition there will be a children's competition for under 12's to design a club mascot cartoon character (akin to British Telecom's 'Buzby' character) for which there will be a cash prize of £7.50.

RULES APPLYING TO BOTH COMPETITIONS ARE AS FOLLOWS

1. Entry is open to all members and their children. All Social Club members who are not yet members of MABCUB may join by submitting £1 (½ year subscription) and a completed membership form with their entry.
2. Submissions must be made by hand to any member of the committee or a divisional representative by **16th July 1984** and results will be published in MAV News.
3. Entries must be submitted on paper no larger than 6 inches square or on cassette tape. If the latter, please label it with your name and location, and specify the machine used.
4. Members of the committee and their families are excluded from both competitions.
5. Entries will be judged on (1) Design (2) Presentation and the committee's decision will be final.
6. Winning entries and all rights arising therefrom will become the sole property of the club.
7. The committee reserves the right to modify entries for reprographic purposes or to withhold any award if in their opinion no suitable design is received in either class.
8. In the case of the under 12's competition entrants are to be no older than 12 years on the 1st May 1984.

HINTS AND TIPS

1. Try to avoid using thin lines.
2. 3 colours maximum to be used (Black is a colour).
3. Avoid over-complicated designs with lots of details; when reduced to use as a letter heading etc., detail will be lost.
4. Ink or watercolour entries are acceptable.

In order to secure better discounts we intend to make special purchase offers from time to time.

Since our recent offer of **VOLTAACE DELTA 14B HANDSETS** was missed by some people we are repeating it here.

Your ideas for future quantity buys are invited.

DELTA 14B HANDSET AND DELTA 14B/1 ADAPTOR BOX FOR THE BBC MICRO

The Delta 14B handsets are lightweight easy to hold units with a sensitive sprung return to centre joystick combined with a 14 button keypad. Both the stick and the keypad were developed in a video game environment over a number of years to produce a tried and tested reliable unit. The versatility of the BBC machine means that the joystick system is programmable and programs written for the keyboard can be intercepted at the indirection point and diverted to include the keypad. You can even convert software written for keys only to be joystick controlled. Away from games the DELTA 14 can be used as a numeric keypad or to duplicate any other keyboard keys that have an ASCII value. The handset comes complete with suggested listings for inclusion in your own programs or to load and run before other programs to convert them to the keypad.

One handset will plug into the analogue 15 way 'D' socket on the rear of the micro and will run games written for joysticks. An adaptor box plugs between the handset and the micro and joins by cable to the user port and now you can use the full benefit of the keys and conversion programs. A second joystick

can plug into the adaptor box. The second joystick socket also gives access to two A/D channels and some of the user port for external devices which may be required at the same time as a joystick.

DELTA 14B HANDSET

Retail Price £12.95 + VAT
Discount Price **£10.40 + VAT**

Adaptor Box

Retail Price £13.95 + VAT
Discount Price **£10.33 + VAT**

DELTA DRIVER CASSETTE

Retail Price £5.17 + VAT
Discount Price **£4.14 + VAT**

Please note prices are different from previous offer due to price increase as from 1st April 1984. To make full use of handset an adaptor box is required.

Please send order, with cheque, made payable to MAV/BP COMPUTER USERS CLUB to Ray Curnow, ATE Division. Goods will be distributed via divisional reps. Offer closes 29th June 1984.

COMMITTEE MEMBERS

Chairman	Mr. G. SANDERS	GYRO
Secretary	Ms. L. DOE	FARL
Treasurer	Mr. P.D. WATERS	GYRO
Publicity	Mr. A. McMANUS	GYRO
Membership	Mr. G. PRITCHARD	GYRO
Facilities	Mr. A. CHALMERS	GYRO
USER GROUP Liaison	Mr. R. NICHOLLS	ATE
	Mr. R.W.T. CURNOW	ATE
	Mr. T.I. HALL	FARL

The post of Events Organiser remains open.

DIVISIONAL REPS

Division	Dept	Name
FARL		ROB JAMES
FCO		TREVOR COLLINS
ISD1		IAN NEGUS
ISD II		STEWART ASHDOWN
IND		MIKE TOMKINS
CACD I		STEVE ESTERBROOK
CACD II		GERRY SHARP
Personnel Training	Hopewell Drive	JOHN NEATE
MASD I	Eng	BARRY WALLINGTON
MASD II	QA	MARK CATT
BP		GARY PILBROW
AS & R		STEVE JEMISON
EDP		MR. A. HAYESMORE
FISHERS		JERRY BARRETT
MAV	Admin	KEVIN WELLS
ADD		RICHARD NASH
CMS		P. B. RAYNER
MAV	Standards	ALAN WARD
EMC	Gads Hill	JOHN SAMPSON
		R.A. HAIGH
		BOB STERRY

MAV/BP COMPUTER USERS CLUB - LOGO COMPETITION

Name

Division

MABCUB membership No.

Number of entries enclosed

(More than one design may be submitted)

Date

MAV/BP COMPUTER USERS CLUB - MASCOT COMPETITION

Parents name

Division

MABCUB Membership No.

Child's name

Age

Date of birth

Number of entries

(More than one design may be submitted)

Date

MAV/BP KENT COMPUTER USERS CLUB MEMBERSHIP APPLICATION FORM

Name Div. Tel.

MAV/BP Club Membership No.

Please enter make and model computer presently owned or proposed.

Do you own any peripherals? Please specify:-

.....

.....

.....

Computing interests:- (or comments)

.....

.....

.....

Fee: £1.00 For membership from present to 31st September.

Please send completed forms to: Mr. G. Pritchard, Gyro Eng.

Remember you don't have to own a computer to join, your immediate family may wish to have access to the users club facilities, associate members will be free but subject to club constitution and rules.

CLUB NEWS

Permanent meeting facilities are currently being sought; one successful club night was held in temporary facilities on 30th April and another was planned for 21st May. For future meeting locations please watch notice boards and keep in touch with Divisional Representatives. (See above)

Meanwhile, please help your committee by completing and handing in or posting this little questionnaire.

Please answer the following questions and return this either to your Divisional Representative or to E Doe, FARL.

1. Would you like the club to arrange a visit to a software or computer establishment?
 - Yes No
 - What type of establishment would you like to visit?
2. How frequent would you like club evenings to be?
 - (a) Weekly Fortnightly
 - Monthly Other
 - If "other", please specify
 - (b) Which weekday would you prefer?
3. What would you like to happen at club evenings?
 - Demonstrations Lectures
 - Bring your own machine Other
 - If "other", please specify
4. Would you like the club to set up a software library or similar facility?
 - Yes No
 - Please specify type of facility
5. What interests would you like the club to cater for?
 - Computers for education Projects - software
 - Projects - hardware Games
 - Other
 - If "other", please specify
6. Would you be interested in receiving tuition or attending courses? Do you own a video?
 - Tuition Video (VHS)
 - Courses Video (Beta)
 - If yes to tuition or courses, please specify subject and/or type of computer
7. Would you like the club to purchase equipment for use at club nights and loan to members?
 - Yes No
 - If yes, please specify type of equipment.
8. Would you like the club to arrange a brewery visit?
 - Yes No

If you have any other comments please write them on a separate sheet.



Sports and Social Club round up



Elliott AC Summer Fixture List

June 1/2	SCAAA Senior Championships	Crystal Palace
3	Dunlop Young Athletes League	Brighton
9	Kent Schools Championships	Hoo
10	Colts & Boys League of Kent	Bromley
15/16	TSB WAAA Championships	Crystal Palace
16	Southern League Division 2	Hoo
	Southern League Division 6	Basildon
17	Kimberley-Clark Maidstone Marathon	Hoo
	Colts & Boys League of Kent	Hendon
20	Kent AAA 10000m Championships	Bromley
23/24	U-Bix Copiers AAA Championships	Crystal Palace
24	Dunlop Young Athletes League	Hoo
27	City Charity	Motspur Park
	Medway AC Open	Hoo
	Shaftesbury Harriers Graded Open	Hendon
30	Southern League Division 2	Enfield
	Southern League Division 6	Bracknell
30/ July 1	CAU Championships	Birmingham
July 1	Colts & Boys League of Kent	Ashford
7	Southern League Division 2	Weylyn Garden City
	Southern League Division 6	Banbury
11	LBH Main Championships	West London
13/14	English Schools Championships	Thurrock
14	Marconi Avionics Sports Day	Hoo
15	Colts & Boys League of Kent	Erith
20/21	SCAAA Under 20 Championships	Crystal Palace
25	Medway AC Open	Hoo
	Shaftesbury Harriers Graded Open	Hendon
29	GRE Cup semi final	Hendon
	Dunlop Young Athletes League	Enfield
August 4	Southern League Division 2	Exeter
	Southern League Division 6	Hoo
11/12	Nike AAA Under 20 Championships	Birmingham
26	Young Athletes Trophy Meeting	Crawley
29	Shaftesbury Harriers Graded Open	Hendon
Sept. 1	GRE Plate Final	Birmingham
	September Shield Heat	To be arranged
2	GRE Cup Final	Birmingham
8/9	Kent AAA Multi-Events Championships	Bromley
12	LBH Medley Relay Championships	Crystal Palace
16	Kent AAA Relay and Junior/Youth 3000m Championships	Bromley
22	September Shield Final	To be arranged
26	Shaftesbury Harriers Graded Open	Hendon

Marconi Avionics Brass Band Engagements Summer 1984

Saturday 16th June, at 2.30 pm
Summer Fete, Danecourt School
Wating Street, Chatham

Monday 25th June, at 7.30 pm
Concert, St Joseph Williamson Mathematical School
Rochester

Proposed - Late June/July
Concert,
Cancer Relief
Gt. Ormond Street, Help the Children, MAv Canteen

Saturday 7th July, at 2.30 pm
Summer Fete
Chatham Grammar School

Sunday 30th September, at 7.30 pm
Wings Appeal Concert,
Hazlitt Theatre, Maidstone

Sunday 7th October, at 6.30 pm
Songs of Praise
St Francis Church, Strood

Tuesday 16th October, at 7.30 pm
'65 Club
MAv Canteen

MAv/BP v BP Kent 14 April 1984

Champions MAv kept their unbeaten league record when they disposed of arch rivals BP Kent with their best football of the season. They led 4-0 at half time and eventually won 5-2. Mark Brown (2), Simon Jago, Terry Stroud and Julian Watts were the Avionics scorers with Steve Ashdown replying for the Brits.

MAv completed their league fixtures on 28 April with a 1-0 win over Bridgewood. Mark Brown, MAv's top scorer with 23 goals, completed a fine season for the division 2 champions



Back row (L-R): Barry Mason (Manager), Stewart Harry, Graham Chambers, Keith Short, Mark Adams, Clive Ward, Julian Watts, Paul Russell. Front row (L-R): Mark Brown, Simon Jago, Neil Dean, Mick Smith, Bob Chambers (Captain), Terry Stroud.

Cloth Badges

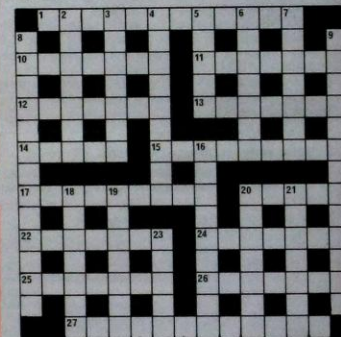


Cloth badges now on sale at the Club Bar @ £2 each.

Squash Additional facilities

Medway Squash Club is offering MAv/BP Club members the special facility of joining at a Corporate Subscription rate of £5.00 p.a. + VAT, specifically to enable use of their playing and other amenities during "off-peak" hours, up to 5.20 p.m. This makes it possible to arrange games (or use the club) at lunch time or after 3.30 finishing time; the charge for a 40-minute game in these hours is £1.80. Enquiries - Medway 403860 - Mr Pyke.

CROSSWORD NO. 61



ACROSS

- Petty behaviour, not suitable for adults (12)
- Beyond the present moment (7)
- Position, status or starting point (7)
- Showing off, not natural (7)
- The art of complying, for good (7)
- Soil prepared to receive small seeds (5)
- An American State (9)
- The age of all sweetness (9)
- Get going, quickly (3-2)
- Going to a new abode (7)
- Universal or general proposition (7)
- East African country, much troubled (7)
- Dutiful settlement (7)
- Expert ones delight the golfer (5-7)

DOWN

- Provided to keep essentials warm (3-4)
- An animal noted for spots (7)
- Since ball points, not much used (3-6)
- Speed, not always right (5)
- The signs of having been removed (7)
- A spring is a combination of (7)
- Thoroughfare of money, of european origin (7-6)
- The cause of a loss on the job (13)
- A number under the century (6-3)
- The art of exploding men (7)
- Once part of Henry's Kingdom (7)
- The dancer needs one to make noise (4-3)
- Private room within an Inn (7)
- Result of being taught (5)

Solution to Crossword No. 60

ACROSS

- Smell; 4. Cannibal; 10. Inform; 11. Boat Shed; 13. Likeness; 14. Range; 16. Gang; 17. Eleven; 21. Basalt; 22. Silo; 26. Eland; 27. Crockery; 29. Radiator; 30. Stroke; 31. Hammered; 32. Tenby.

DOWN

- Mafeking; 3. Larynx; 5. Aloe; 6. Notaries; 7. Behind; 8. Ladder; 9. Tiltage; 12. Assegar; 15. Lectern; 18. Mandrake; 19. Time Bomb; 20. Holy See; 23. Hearth; 24. Tandem; 25. Scythe; 28. Mode.

Photographs taken by the Staff Photographers will be acknowledged in the following way: (A) Alan Keats; (B) Ian Douglas

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CLUB-HOUSE ATTRACTIONS

CHILDREN'S FRIDAY DISCOS

June 1st
"PHANTOM" DISCOTHEQUE

July 6th
"SOUND AND VISION" ROADSHOW
7 - 10 pm

SOCCER PRESENTATION DANCE

MAv-BP CLUB
Saturday 2nd June
7.45 - 11.45 pm

Admission: £1.15
Tickets from Soccer Section Committee and Bar

PUB NIGHT

with
MICHAEL HAYES
(Guitarist)
Friday 8th June
8 - 11 pm

FCD DISCO BARBECUE

Saturday 16th June

Tickets from Ray Dennis (2025)

SUMMER DANCE

with
"KING'S RANSOM"
MAv-BP Club
Saturday 23rd June
7.45 - 11.45 pm
Admission Free

PUB NIGHT

with
MARY WHITTON
at
Electronic Piano
Saturday 29th June
8 - 11 pm
In Bar Lounge

AN EVENING AT THE RACES

Saturday 30th June
8 pm
EIGHT FILMED RACES
Tote Tickets: 20p
ADMISSION FREE

COUNTRY AND WESTERN EVENING

Saturday 7th July
"PASS THE BUCK"
8.00 - 11.45

ADMISSION FREE

CHILDREN'S WEDNESDAY DISCOS

MAv-BP CLUB
7 - 10 pm
13th June, 25th July
15th August, 19th September