

Over £35m of contracts won for the RAF Tornado Mid Life **Update Programme**

GEC Avionics has received contracts valued at over £35m for four systems for the RAF Tornado Mid Life Update (MLU) Programme. The contracts cover the supply of recording and replay systems, an updated weapons control system, and the worlds' first contract to supply a terrain referenced navigation/terrain following system.



An Updated Weapon Control System

Recording The Company is to update its existing Weapon Control The company is to control existing Weapon Control System which already equips the Royal Air Force and Royal Saudi Arabian Air Force Tornado IDS aircraft. **Systems**

The Tornado IDS Weapon Control System consists of eleven separate pieces of equipment of which two are to be changed – the Weapon Programming Unit and the Weapon Control Panel.

This contract will involve the incorporation of updated elec-tronics and a customised control panel which will reduce the pilot's workload and lead to more efficient weapon delivery.

SPARTAN TRN/TF System – A first for GEC Avionics

Equipped with SPARTAN, the Tornado IDS pilot will be able, for the first time, to fly at low for the first time, to fly at low level with great accuracy, without using external naviga-tion sources or activating his radar. These capabilities will considerably enhance the ability of the Tornado to remain undetected when operating in the modern, hosfile electronic wardare environment.

the modern, hostile electronic warfare environment. Developed jointly by Combat Aircraft Controls, and Guidance Systems Division, SPARTAN has been flight tested on a wide variety of military aircraft in the United States of America. Early developmental flight tests at RAE Farnborough and Bedford have been followed

SELECT GEC AVIONICS **'CATS EYES'** NIGHT VISION GOGGLES

Advanced Fighter Technol-ogy Integration (AFTI) F-16 in the USA.

GEC Avionics revolutionary Cats Eyes' Night Vision Goggles (INGs) have been selected as the standard NVG for al United States Navy and Marine Corps tactical fixed wing aircraft. Airborne Display Division

have received an order for 83 have received an order for 83 sets of goggles worth in excess of \$6m. This contract awarded by the US Navy also incorporates follow on options for a further 245 sets of goggles. (This order up-dates the story on Page 4).

The award results from extensive flight trials on a number of aircraft and helicopters in the United States, including all the US armed services, and follows two years operational service with an A-6 'Intruder' Squadror

flight controller for the US Navy's A-12 arcraft. Both awards were made to Combat Aircraft Controls Div-sion, and reflect the company's commitment to developing safety critical pilot's controllers for the world's most advanced aircraft.

The Lockheed/Boeing/General Dynamics YF-22A

CHINESE ORDER

£30M WORTH

The Editor regrets the late arrival of this issue

In the final stages of production he was compelled to take sick leave but hopes to return to work as soon as possible. This front page has been prepared for him busilesseleaves.

GEC Avionics to supply pilot's

control sticks

for next generation **US Navy and Air Force**

fighter aircraft

GEC Avionics was awarded a contract late last year for the Pilot's Side Stick Transducer Assembly for the Lockheed/ Boeing/General Dynamics OFF-22A – a contender for the USAF Advanced Tactical Fighter (ATF). A second contract has now been received for the "primary

Two contracts, placed with the Company's Recording Systems Division, cover the development and manufac-ture of new systems: an advanced Video Recording System (VRS) and Ground Replay Facility which records and replays data displayed on the pliot's head up and head down displays, and a Compu-ter Loading System (CLS) which simplifies the task of entering mission specific data into the aircraft's computing systems.

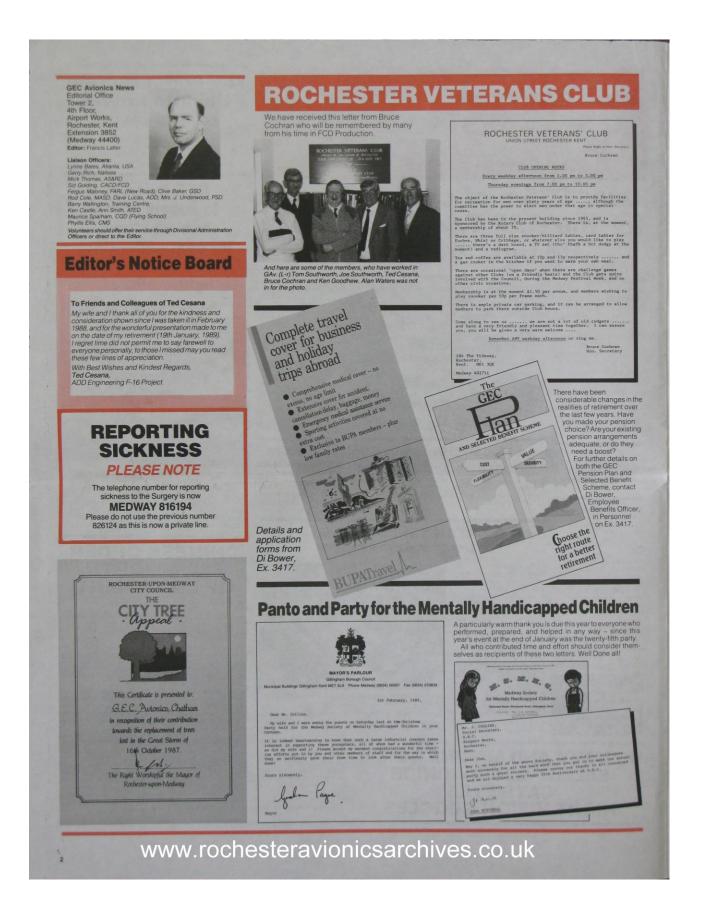
The ancraits computing systems. These products represent the latest developments in a range of military and rugged industrial recording products developed by Recording Systems Division at Nailsea.

These awards reflect the company's commitment, past, present and future to the Tornado aircraft.

SPARTAN will enable the pilot to fly undetected and with great accuracy at low level more recently by operational proving tests on Tornado aircraft in the UK and the **US NAVY AND MARINE CORPS**

OF EQUIPMENT

The requipment being by the company solution of the company solution and the systems and brings the total value of orders pitched with the company to £110m. The equipment being by the company to £110m. The equipment being by the company base solutions to the company solution to the total sol



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The Charles Berry Shield

The fifth Award for Quality Assurance Apprentice of the Year was presented by its sponsor Charles Berry to the first young lady to receive the distinction.

Karen Lamb, now Techni-cal Assistant in ADD QA, heard the selection panel's decision on her 21st birth-day. Karen completed her Technician Apprenticeship last September, during her raining she spent periods in ADD Model Shco., ATED, ADD QA Laborai y, Prod-uction Engineering and finally the QA Department where she now is.

Part of her spare time is spent as Secretary to the Medway Leos (Young Lions). At the presentation cer-mory headed by Assistant Managing Director Ray Reese in his capacity as Quality Director, Karen was congratulated by Charles Berry (previously on-site terpresentative of the US Department of Defense) Looking on were this year's runners-up Paul Bainbridge from MASD OA, with a number of Karen and Paul's colleagues and OA Mana-gers. "A worthy candidate" said Charles Berry, seen here handing over the Shield.



CENTRAL CHARITY FUND

Donations approved by the Committee in the last few weeks have gone to a very wide range of local causes. Existing contributors and potential new members (who should contact Julie Stottin Personnel for information about payroll deductions, Ex 3776) should be interested in this list.

THE CHATHAM MARINES CADET UNIT were awarded £25 towards their Christmas Draw.

MEDWAY TOWNS & DISTRICT SPASTICS SOCIETY was awarded £125 towards money being raised by a sponsored snooker competition.

THE CHATHAM CARERS' RELIEF SERVICE which offers help and support to those who care for mentally handicapped adults living at home in the Medway area, was awarded £100.

THE MEDWAY FAITH AND LIGHT GROUP,

which provides a service for local mentally handicapped people, was awarded £100 towards the purchase of a minibus

THE KENT ASSOCIATION FOR SPINA BIFIDA was awarded £150. AWARDED £150. ALL SAINTS HOSPITAL SPECIAL CARE BABY UNIT was awarded £100. This was to supplement over £300 raised by four members of FCD on a

sponsored walk KENT CONSTABULARY were awarded £50 to were awarded £5 16 supplement mon y raised by a spon i red drive to purchas specially adapte computers for Th Spastics Society

2200 was award. I to the LIVINGSTONE HOSPITAL at Dartford for the purchase of a special mattress used in the care of the terminally ill.

BIRTH

emonatulations

On 17th February, to Joan and Hughie McArthur, a son Mark, Hugh is of course well known to many intakes of apprentices and also as a member of the GAv/BP Club Management Committee. Best wishes from a host of friends and colleagues.

GILLINGHAM BAPTIST CHURCH received a donation of £100 towards the refurbishmentof their church kitchen where lunches are provided on a daily basis for local old age pensioners.

The GILLINGHAM SOCIAL EDUCATION CENTRE were awarded £100 towards a planned summer holiday for a group of mentally handicapped people.

BUT NOT THIS ONE!!

ATHLETIC UNION University of * * Students Union From: * * * University Boat Club Our ref: Ergomaniacs in Space

Dear SiryMadams, Mind ratasing events of the U.B.C. are organising a major fund ratasing events on the 6th 70x and 80x of March The sevent is to be in the form of a 48 hour sponcered row on an ergometer/rowing machin with our profess being character as a trip to the satisfies reaching an alitude of approximately 700 KM (LAND&AT 6) breaking major alitude records on the way with a slide show giving views from alcreaft and abilities at the corresponding heights. We hope to raise money mainly from Company sponcer with our 60% of the proceed going to a Chuldrens Cancer Ward in Chub towards the purchase of uppenty needed equipment. We as a king Companies who are associated with the University through acadamic genoreship employees. research ele cand Companies who benits from the ustom of the University and the students. We are at ming at high media oversegs and are conflored to oversege by TV and all the local and regional newspapers. Any supports from your summers

coverage, and are contained to coveragely regional newspapers. Any support from your company financial or in the form of your products would be off sets help and larger contributers are invited to send an advertising logo, which will be displayed at the two day event, although all contributers will be acknowledged and thanked in a local newspaper Please make cheques payable to the U.B.C

We eagerly await a favourable reply, Yours faithfully, 2222 on behalf of the Committee

uere or Thank you for your leter rekwesting sponcership for your Ergomaniacs in Space fund-razing efort. Space nind-razing efort. We recieve menny rekwests for such sponcership and are oblidged to confine our responces to local activaties, so I regret that I am unable to help you. Wishing you Wishing you every succes in your fund-rearing and your entry for the speing competishun.

Yours faithfully

L Hampson Secretary, Company Donations Committee



The first aerospace exhibi-tion and conference held in the Middle East on a large scale including military aircraft and a flying display-first in charge of our exhibi-tion arrangements, Tony Sim First in charge of our exhibi-tion arrangements, Tony Sim bio arrangements, Tony Sim also from Exhibitions Bert, Hunter recently appointed Area Manager, Bran Ashley Area Manager, Bran Ashley a Area Manager, Bran Ashley trade visitors, quoted by a fract Manager, and Jim Gardner, Director of Market as the fourth major venue as the fourth major venue ar shows worldwide. GAv was well represented



One VIP visitor to our stand was the UAE Defence Minister, Sheikh Mohammed Bin Rashid. In the picture he is talking with Peter Rowell (GSD Marketing Manager) and Dr. Gardner from DSC (right).





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Obituary

Mr. A.E.I. Newman, known to bis many friends and acquaintances at the Rochester site as Percy', died suddenly at bis bome in Gillingham on November 29th He was aged 67

and bad worked for the Company for 30 years before retirement in 1984.

To all those who knew him during his many years at Rochester be was a veritable fount of knowledge, always ready and willing to offer his friendly advice and assistance to anyone with a problem.

He will be remembered with affection and REW most sadly missed.

A much-loved Tea Lady' in the Towers, Elsie Bunting died on February 1 st at the Molly Wisdom Hospice. After retiring in April 1985 and working on the Temporary Pool until the next year, Elsie bad been keeping in close touch with the many friends she made during ber twenty years with the company.

Prior to spending around ten years looking after company managers, Elsie was in the Canteen.

A look into the past **Better Late Than Never!**

ome 24 years after the TSR2 programme was cancelled, GEC Avionics has made a delivery of TSR2 equipment to the RAF.

delivery of ISR2 equipment10 the RAF. During a visit by the Royal Aeronautical Society, Medway Branch to the RAF Costord Aerospace Museum, the curator Len Woodgate asked Branch Members for help He has a TSR2 airtrame, which quite literally fell off a lorry and ended up in the Museum (See other story) Unfortunately all the avionics, engines and internal fittings had been removed prior to lits engines and internal fittings had beer removed prior to its arrival at Costord, Could the Branch and GEC Avionics help fill some of the yawning gaps in the airfame? All the darkest corners of Marketing Department. Sales Model Stores and Exhibitions Department "black-holes"

TSR2

THESE Contract was warded in 1961 it was conditional warded warded



Technology and packaging of the 1960's.

were searched with some steprising results. Stores have uncovered The final tally included a flight control computer, pilots control panel, roll and yaw gyros, and a ground test switch. Similar efforts by other ex Stores have uncovered engine exhaust ducts, ejector seats and even complete engines. Yet again GEC Avionics provided the goods and satisfied a "customer". Now, does anyone know of

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a good home for the prototype C-5A EMAC unit? C-5A EMAC UNIT? The Company has received a letter (to Alan Briggs) thanking us for finding and providing the equipment for the Aerospace Museum from the Curator, Len Woodgate.

leadership being given to one lim with the obvious problems the with the obvious problems the outgreat from the one of the outgreat from too many contracti-tory requirements and with so much equipment being Gaded onto the programme at its concept. The flight programme was delayed and a three month gap between the aircraft sirstand second flights raised public doubt The RAF ended up with a long period obselescent aircraft in its front line and this would have been avoided had the TSR2 been allowed to continue.

Information provided by the Curator of the Aerospace Museum, Costord.

Museum, Casterd. The Museum, at RAF Costord, Moiverhampton, provides a provides and the second second (1955) holida butter, and the Fairey Delta 2 that and



This year's colour poster right vision goggles, wornby atest piloi the eerei gives upgraded McDonnell Doug-las AV-8B, under evaluation for the US Marine Corps Night Attack' programme successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May successfully tested in own 300 sorties completed in May stay ter, at various US base including China Lake and or he-spot support has been given on this pro-gramme, by engineers from the system which may stay ter, at very at work of ward-looking infra-red pod), and a head-down multi-function display. The system has the following confirmed advantages. <text><text><text><text>

lighter and much cleaner than the day it arrived. Now all the Preservation Group need is a Messerschmitt 262 or Arado 234 fuselage and a bit of time and who knows. Alan Briggs

compressor blades. At 13ft 6 inches in length and weigh-ing nearly 1700lb, the Jumo was not the easiest thing to work on. At the end of its stay at Rochester it was several pounds of accumulated dirt



JUMO 004B JET ENGINE One of the more unusual items to leave the Rochester site in 1989 was this 1944 vintage Junkers Motoren (Jumo) 004B jet engine. The engine was refurbished for the Science Museum by members of the Preservation Group of the Medway Branch of the RAeS.

Pictured with the engine shortly before its return to London are some of the team who carried out the preser-vation work, Simon Brunt, George Elsegood and Alan Briggs.

Briggs. While stripping and clean-ing the engine the team were voten surprised by the atten-tion to detail in the original the sharp edges of the

engineering of the Jumo. Buried in the nose cone was a two cylinder two-stroke engine with a puil start ring for starting the engine in the field. A supply of two-stroke tuel was built into tanks in the nose cowling, some of which was still in place when the tank was removed. This fact was discovered in the time honoured way, when it started to drip onto our feel! The overall condition of the Jumo was excellent and once the starter engine was removed the engine turned over with ease. This led to a notice being fixed to the top



HRISTMAS Happy faces once more for the festivities at the Children's

Parties and Pantomime. And thanks once more to all the Canteen staff, Management and numerous helpers who gave the Christmas season such a fine start.







WRITTEN AND PRODUCED BY



Back row (1-r): Black Jack, Ben Gunn, Princess, Jim h Captain Scarlet, Dr. Harry, Mr. Hands. Prontrow: Goo Soldier Joanne

and Father Christmas JIM GOUDIE www.rochesteravionicsarchives.co.uk

LONG JOHN SILVER

KING OF OVERLAND BEN GUNN CAPTAIN SCARLET

PRINCESS

DR. HARRY MR. HANDS

KING BERTRO BLACK JACK

JIM HAWKINS

OLD WOMAN GOOSE

SOLDIERS

RODCOLE

JACQUI COLE

NIGEL TURNER TIM EDWARDS

DAVE HUDSON

RAYNEWMAN MAUREEN STEVENS

JENNY SMITH

EILEEN WADE JOANNE CROSS KERRY HOBBS KIM WADE

At The Piano BERT ROBBINS Front Men JIM COLLINS and PETER BIRD Lights and Effects PAUL BARRATT, MARK SNOWDEN, CYRIL MOFFETT



GAv 1989 Calendar

Most of us bave admired the beautiful birds (No! Not that kind, Herbert!) on the GEC Avionics Calendar for 1989. Now, many others will have this same opportunity, as the Calendar bas been nominated for enry to the Kodak International Colour Calendar Competition and Exhibition in Stuttgart. Asimilar exhibition has already taken place in London, for the National Business Calendar Avards.

The calendar is the latest in a long line of calendars, designed by AS&R Division's Graphics Dept and much prized by customers throughout the world to whom most of them are sent.

Previous collectable themes bave included watercolours of Kent Scenes, the Tall Ships Race and aircraft drawings by the Guild of Aviation Artists. Ideas for themes for 1991 and beyond would be welcomed by Laurie Hampson. The 1989 Calendar's bird pictures were chosen from the works of Basil Ede, widely regarded as one of the foremost painters of birds in the world today. His inspiration began with bis exposure to Oriental art when be was regularly visiting the Far Eastern countries as a ship's purser.

His metbod of using a toned paper as an integral part of the background to his subjects has been widely adopted by bird artists througbout the world.

Over the last 20 years and more, Basil Ede's work has been exhibited in the company of other distinguished painters, in Europe and the United States.

Illustrated here is The Kingfisher, as a foretaste of summer to come. Occasionally still seen in Kent, its beautiful plumage is seen at its best when you catch a glimpse of it diving into a stream or pond for food.



Home Thoughts from Abroad



This charming picture, from Atlanta, shows Alison Cooper in ber new home, with Claire (born Chatham December '85) and Alexander (born Atlanta June '88).

Alison will be remembered by many as Alison Richardson, ubo joined IND as a Trainee Programmer in March 1979, then married Grabam in May 1981, and left in September 1985 (by then a Software Group Leader in GSD) to bave Claire.

Wby Atlanta? Grabam left GSD in March last year to take up the post of Manager of Operations and Financial Planning at GEC Avionics Inc., -the next day! He had been Contracts Manager in GSD since June 1986, baving risen to that position since joining in February 1979 as Commercial Assistant (be met Alison on the graduate induction course). On the way up Grabam was successively Contracts Officer, Senior Contracts Officer and Deputy Contracts Manager.

The family have been in their new bome since September, after spending a brief period in a botel and six months in an apartment. Graham says the transition was much belped by the friendly natives.

Any more stories from emigrants to the USA or elsewbere?

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"INDIAN SEA KING" HELICOPTER PROGRAMM - MASD AND ATED

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The smiling faces reflect the successful hand-over to representatives of the Indian Navy of the first RF ATE with Automatic Test Equipment Division's Electronic Support Measures test facility incorporated. ATE Division's Program Manager, Dave Bennett (6th from right), was there as the ceremony was performed in the Yeovil factory by Wr. John Vardi, Managing Director, Westland Helicopters Ltd.

Throughout the pro-gramme MASD, including its satellite team at Yeovil, demonstrated its ability to design, develop, produce and manage an extensive and complex airborne avionic system and above all to react quickly and effec-tively to changing customer requirements.

THE AIRCREW

The ISK Tactical Mission System

The Aircrew Association, with over 12,000 members, is open to serving and retired members of HM Armed Services who have been awarded a recognised living badge. ACA aims include the forging of Allied and gatherings and the forging of Allied and Commonwealth links. Membership is £5,00 a year and there are several local branches. Navy, Army and Air Force aircrew are all welcome. If you wish to know more, call Laurie Hampson on Ex 3346.

ASSOCIATION

On 18 November teachers from more than 20 Kent Schools, together with Brenda Tench of the KCC and other representatives of the County and Area Educa-tion Offices, spent the morn-ing at GEC Avionics at our Rochesters ite. After a brief presentation on the Company and the training schemes it offers, the visitors were divided into Educational Visits – Schools Meet the Company

small parties and given tours each in a different division, where hosts outlined the work going on, and provided an opportunity for the visitors to chait to ex-trainees. Further discussions took place during lunch in the Lounge Bar. Bar. The visit was the first stage

The visit was the first stage of a recruitment campaign intended to attract Upper Sixth Formers to the post A-

level training schemes in software engineering, hardware engineering and commerce. This campaignts being organised by Marguer-ite Blackwell of MASD on behalf of the Training Depart-ment, and is part of a new programme aimed at im-proving liaison with schools in Kent and ensuring that schools and pupils are aware

of the career opportunities available at GEC Avionics. Engineers, drawn from all the Divisions at Rochester and Chatham, together with Training Officers, are now visiting approximately 30 Secondary Schools in the area to talk to the second year sixth and encourage them to apply to GEC Avionics.

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The Indian Navy Sea King Mk 42B Char

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make life easier and simpler. A current account is essentially a working account by means of which the provided the p daily finances are conducted. Cash and/or

position on your account by simply contacting your branch. A bank account also gives the customer access to a comprehensive range of financial services at competitive rates. Many people like to save some of their money, perhaps with a holiday in mind, and funds can easily be transferred to a deposit account where useful interest can be earned.

deposit account where useful interest can be earned. Have youn officed how bills often seem to arrive all together? NatWest offers a Budget Account service which enables bills to be met pormptly when they arrive and the payment spread evenly over a 12 month cycle. Many customers find this an enormous help in coping with the household expenses. Personal Loan schemes at competive rates of interest are available from all banks to finance major purchases like cars and furniture. Before committing yourself to financial schemes for any such purchase, you should check the true rate of interest and compare it with what less is available. A Personal Loan can be agreed for any customer over the age of 18. With the development of computer technology has done the automatic cash dispenser. At NatWest, this has taken the form of the

Servicetill which allows SetVicenti Which allows customers to obtain cash 24 hours a day, seven days a week, and, during normal business hours, use the machines to check their balances or order cheque books and statements. With their Servicetill card, customers are able to use a network of over 1,500 NatWest Servicetills and, under reciprocal arrangements with the Midland Bank, withdraw cash at any of the Midland's 1100 Autobanks. NatWest also have some 750 Rapid Cash Tills situated in its branches, which enable the Servicetill card to be used to withdraw up to £100 in just 15 seconds. Banks are continually their range of services and a bank account can help you make better use of your money. So why not call in at your local NatWest and ask about opening an account. As well as using the facilities available at the facilities av



LEAVER 1989

TRAINING **OPPORTUNITIES** WITH **GEC AVIONICS**

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appreciation of engineer-ing in its business context. Candidates will require good 'A' Levels in good 'A' Levels in Mathematics and Physics and may already hold university offers.

Software Engineering Sponsorship on the Company's three year Sandwich HND course in Software Engineering at Mid-Kent College on Bromley College. The middle year is spent college The middle year is spent providing a real contribu-tion to the work of a divi-sional software team. The college courses are fully integrated with a variety of short courses and projects. Candidates

projects. Candidates should hold good G.C.S.E. or 'O' Level passes in Mathematics and three other subjects, with at least one at 'A' Level.

Commercial Training

Equally vitato the success of our business is the formation of professional Commercial staff to specialise in the Contracts, Cost and Budget,

Do you know school or college leavers taking G.C.S.E.s or 'A' Levels this summer?
 G.C.S.E.s or 'A' Levels this scheme Cavionics is now recruiting for all of its training schemes, which ertail further education combined with schemes which are recop-nised as the launching pag-nised as the launching pag-for careers in most functions of the business.
 D. S.E.s. or 'A' Level's this scheme offers placements in Business Studies, on a day schemes which are recop-nised as the launching pag-nised as the launching pag-nised

need as the launching pad for carcers in most functions for carcers in most functions **Professional Engineering** Training beyond 'A' Levels which progession of relevant on-job training in divisional Engineering department and offers a training salary subjects, we offer training over three years to open upa carcer in Electronic or Allede subjects, we offer training over three years to open upa carcer in Electronic or Mechanical Engineering of degree courses on a includes working on preparation for a role as and wch basis and includes working on engineering projects in preparation for a role as and experience of the monts to provide an appreciation of engineer monts to provide an appreciation of engineer injointistuaries context.

likely to be studying English and Mathematics to GC SE level and will be keen to make the transition to the business environment. On-and off-job training is coupled with study towards appropriate clerical qualif-cations and lasts for two veare

How YOU can help

If you have children or friends who may be eligible for any of ensure they are made aware of the opportunities with GEC Avionics. Around 10 per cent of the Rochester establish-ment are Initial Trainees being trained to secure the continued success of our business through the development of technical and commercial expertise.

development of technical and commercial expertise. To apply they can write or telephone for more information and an application form, or you might wish to collect if for them, from

for them, from Richard Hale, Senior Training Officer, Training Department, at our Airport Works address (0634) 44400 Ex. 3835.

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Bob Marshall, before joining



rested in classical music and is 25 Ray Irons completed his 25 year service in November of last year. For the last three years he has been Project Engineer in the Reliability group of ISD but prior to that had been with the same divi-sion, now CACD, for 19 years. He has worked on a wide range of projects such as Blue Steel, TSR2, C-5A, Tornado etc. normally in a development and commis-sioning capacity, and is

development and commis-sioning capacity, and is currently involved in SCADC and its derivatives. In his spare time Ray is a member of the Medway Magical Society and relaxes by walking in the coun-tryside.

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Chief Accountant Brian Hand-ley's 25 years in capitivity. he says, started work within what is now GEC as Assistant Accoun-tant with Baldwin Instruments. In 1966 he moved to Boreham-wood to become Deputy Accountant and was promoted to Chief Accountant in 1970. Atter 12 years at Borehamwood, Brian came to Rochester ten years ago.

Roger Sawtell, ATED's Chief Engineer, Advanced Development, has progressed from his first job in the division when he joined as Development Engineer, by 1969 he was Chief Development Engineer, Much of Roger's work has been on the F-111 and A-7 ATE projects. Many other activities keep him busy- not only golf and his parish council work, but also he is membership secretary for the RAeS Medway Branch and he co-ordinates the company tlying scheme for ATED pilots. At home he is becoming a collector of paintings. (A)



John Taylor, after serving his Student Apprenticeship at RAE Famborough - on of their first - and then some time at British Aerospace Weybridge as an aerodynami-cist, joined Transport Aircraft Controls Divi-sion in 1963, to design the Automatic Throt-tie Control System for the BAC 1-11. By 1969 he was Project Manager with respon-sibility for the BAC 1-11 and VC-10 Automa-tic Landing Systems, a role he has retained to this day. Subsequently John has worked on Tornado and Sea Harrier Autopilot Systems (before CACD was separately formed), also the A310Slat and Flap Control System, and lately the Advanced Ground Station for unmanned aircraft such as Jindivik. He was promoted to Engineering Manager a couple of years ago. "EO's Divisional Manager Ray Dennis made the presentation. (A)

has been concerned with the mechanical engineering aspects of the work of TACD,

Frank Eastwick's care

mechanical engineering aspects of the work of TACD, FCD (Mk 1) and CACD, where he is now Consultant Design Engineer. Early work was on the design of the Elliot/Bendix Flight Control Systems for VC-10, and BAC1-11 for which he under-took the original design of the



BAC 1-11 for which he under-took the original design of the auto-throtite actuator. Label the actuator has a the actuator that actuator has a construction of the aricraft, one of our earliest major America actuator has the projects. By 1971 his first division TACD had merged with MACD to form FCD, and Frank was working on Tomado units as well as Belorg 747 Autotrottie. When FCD divided again in 1979, Frank was promoted to Chief Designer of CACD, and worked on Jaguau (FBW), EAP, and AM-X systems, becoming respon-sible for the EAP Control Stick design. He became Consultant Design Engineer in 1985, involved in several projects, particularly our current range of Stick designs. Before he was married, Frank took up gliding – not always on an even keel – but more recently Yachting, Classical Music and DIY have come to the fore.

Paul Cooper, Marketing Executive in PCSD at Nailsea, as well as completing his 25 years with the company is also one of the longer serving members of PCSD, having 'moved west in Jan '80 as one of the founder members of the Nailsea facility. Paul joined the company, then Elliott Automation, at Borehamwood in early 1963 and within two years moved with the Division (PTE) to Rochester where PTE became ATED. During the heady days of ILAAS and early A-7 HUD days he transferred to ADD where he undertook a number of roles including Chief of Test. With the coming of MRCA he moved with his family to become ADD is "Main Hamburg" where he stayed for nearly three years. Within two years of his return from Germany he moved back to ATED to become Chief Engineer, a position he held until moving to Nailse.

to Nailsea. Paul's interest in photography made the choice of a camera an easy one

Paul Cooper receiving his award from Howard Jones, Divisional Manager

Mick Hammond, Model Shop Foreman in ADD, has only been there since October last year. Before that he was Foreman in IND/GSD: fourteen years in that division were preceded by service mainly in Airborne Computing Division (later MASD). Mick had first pined ACD when they were at Boreham-wood, when ACD moved here to Rochester he was appointed Charge Hand, on the Nimrod Mark I project. He has also contributed over the years to Jaguar, A-6, and Sting Ray, with one highlight being a visit to the USA as member of a working party preparing for training GAV people on the MLRS contract. Mick's wife Brenda works in ADD Production. He received his presentation camera from his new DM Keith Snelling. (B) Mick Hammond, Model Shop Foreman in



GAV/BP KENT CLUB SWIMMING SECTION **Christmas Gala, 7th January '89**

The Annual Christmas gala, Tea Party with Father Christ-mas, and Disco was run by the Swimming Section for all children of parents who are members of the Club. The Cale is conserved by the

members of the Cub. The Gala is sponsored by the Management Committee. As the Club pool was closed because of a pump breakdown the older child-ren held their gala at the Arethusa Pool in Upnor. The perunder childrens, faala was

Father Christmas gave each child a selection pack and a swim hat. The Disco was enjoyed by the children – and a lot of the adults!. younger childrens' gala was cancelled and they had a film show in the Ballroom. The

feature film was Walt Disney's cartoon of "Robin Hood", which was enjoyed by all. My thanks to all who helped during the afternoon and evening.

Food for the tea party was provided by the childrens' parents—thank you to all who provided food and assisted with feeding the 70 children who attended.

An evening. A special thank you to Maurice Finch, Club Sec-retary, and the Management Committee for their assis-tance and financial support. Results and photos should be in the next edition of GAv News.

C. MOFFETT CHAIRMAN SWIMMING SECTION (Now on Ex. 3855)

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years ago. Here he receives a presenta-tion clock from Finance Director Tim Venables, left. (A)

Roger Sawtell, ATED's Chief Engineer, Advanced

GAV/BP KENT CLUB

The following information is given in the hope that members will retain it for future reference.

CLUBHOUSE

daily at 10 am POOL

Monday Wednesday 4pm-8pm

Friday Saturday Sunday 11 am - 1 pm 4 pm - 8 pm LOUNGE BAR

Monday-Saturday 11 am - 2 pm 6 pm - 11 pm Sunday 12 am - 2 pm 7 pm - 11 pm Snack tood available most evenings.

ALEXANDERS RESTAURANT

Tuesday-Saturday incl. 7 pm – 11 pm Sunday lunch 12 noon – 2 pm (Regret no supper licence – normal bar hours apply) Bookings: Monday to Friday 9 am – 5 pm Medway 251492 (Short Code 6009)

Diners should wear jackets and ties to form part of male attire

Jeans, sweat shirts, shorts, etc., will not be admitted

SQUASH

Available 10 am – 11 pm daily, except when Squash Section playing League Matches (advertised). Bookings to be made in person, game to be completed *before* second booking is made.

VISITORS

A full member (Company employee) may sign in *three* guests to the Club/ Restaurant, only one to the pool. A 50p door levy is required in respect of

JUNIOR MEMBERS

Full member's dependents, 16 – 18 years of age, may only attend the clubhouse if –

 (a) Appropriate subscription is paid. This is 15p per week from date of becoming 16 years, i.e. £7.80 per annum

(b) Attending an organised function, i.e. social, Parlour Derby Evening, swimming or participating in a section event.

Photographs taken by the Staff Photographers are acknowledged in the following way: (A) Alan Keats: (B) Ian Douglas.

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(c) Accompanied by either member

Junior Members may sign in one guest to any of the above on payment of the 50p door levy.

SNOOKER

It is regretted that this facility is not available to persons under 16 years of age. Members are requested to help the Management Committee maintain this rule in order to ensure that, so far as is practical, the table is kept in a satisfactory condition.

Last year we published as a supplement to GAv News a "Guide to the GAv/BP Club Sections". Plenty of reprint copies are available – apply to the Editor, Ex 3852.

Management Committee

At the Annual General Meeting on 9th February, the existing Management Committee was re-elected unopposed.

Chairman	John Bradley	Director of
Grianman	ounindradicy	Personnel G
Vice-Chairman	Peter Bird	MASD
		Production D
Members:	Rod Cole	MASD
		Quality Assu
	Jim Collins	Social Secre
		office in Snac Bar Tel, Ex 3
	Keith Jones	c/oWES
	Hugh McArthur	Training Dep (Hopewell D
	Cyril Moffett	ISD
		Production D
	Ray Newman	AS&RD
	Terence Oxenham	BP
	Jim Troy	CACD
	Roy Wade	Fisher

Appointed Members:

Treasurer	Mark Perry	GAV Account
Assistant		
Treasurer	Valerie Squires	GAV Account
Secretary	Maurice Finch	Clubhouse T Medway 251 Short code: 6

Crossword No. 95 For amusement only

Dept.

ACROSS

26 A famous world-wide traveller. (5-4)

27. Oh for a song. -, oh -, my love. (4) 1 and 16. Sailors for 366 days in a beautiful 28. (3,3,3,3,5-3) 28. See 1 and 16 across

- Use the "Big-Stick" (verbally) or physically (8)
 Beethoven's operatic girl. (7) DOWN
- 2. For a petty offence (3-2)
- 3. Indulge much too wisely. (7)
- All consuming fruit pod. (6) 5. More than a great many.
- divisiting of the second secon (6)
 6 Indicators of greater years. (7)
 7 Taken out of this world, charmed. (9)
- 8. Officer's promotion may present them (5-8) 23. A cowboy's loop. (5) 24. He got away, on the loose. (9)
 - 9 A famed leader of Russia (5-3-5)



DOWN 1 Chrome, 2 Raspberry, 3 Sack, 4 Margin, 5 Snowlia 6 April 7 Day Norday, 10

	hand.			17, 18	
Pa	hty, 21		hon 5	2 144	10.70
- 24	Anna	N. 26	Dive		

The views and opinions expressed by contributors are not necessarily those of the Editor or Company. Any such opinions or comments are those of the contributor alone and are printed solely as a matter of interest.

Chicers elected for risks are: Chairman – C. R. Boorman, Vice-Chairman – C. Rhodes. Secretary – C.S. Skinner, Treasurer – Mrs. Stevens. During the evening there was an air of mystery and surprise. It finally transpired

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that our Chairman and his wife (under his stage name of 'KEN') had recently appeared as guests on Cilla Black's "Sur-prise, Surprise!" programme. They had been spotted by many members.

They had been spotted by many members. As unofficial Medway Pearly king and Queen, they met 26 other London Borough Pear-lies, and their work for Charity over the years was high-lighted in the programme. By the end of our meeting they had both come back to earth, with their test firmly planted on the creaned. the ground

CHESS PROBLEM SOLUTION

ETERNAL TRIANGLE

Key 1 GaBI Waiting as any 2 Sc2 mate Rxa3 2 GhB mate Rxa3 2 GhB mate Rb2 2 Bxb2 mate Rc2 2 Sxc2 mate dS random 2 Rxa2 Sxb1? 2 Rxb1 mate

curring is the effect of 1 QaB1 after Black has played his a-Kni would not see the mate 2 Sc2 because the Rook is pinned her well hidden mate is after 1

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There is a Ladies' section so the "other half" can join you in the game. You will be assured of a warm welcome. For further details phone R. Austen Ex. 4254 C. Goodman Ex. 3308 M. Crucefix Ex. 4181. PER CL UB Company' After dinner, during which gifts were present all enjoyed the Danc-ing. Cabaret, Raffle and Bingo. For the second time the Scottish took over the Cabaret, and an ar of Caledonia invaded the canteen, as our friends Dr. Duncan and Dr. Norman got going. They enjoyed themselves as much as we being entertained. A great Dinner (thanks to Bill Gostling and Staft) and a great inter.

Subsimily and Starly and a great inte: January saw us kick off 1989 with the Annual General Meet-ing. Everything went to pian, until the re-lection of differs. The Treasurer had expressed his desire to retire. The news was greeted with dismay, but the reasons for it were under-stood – ill health. After a while the President received a valid nomination and the election proceeded.

Officers elected for 1989

chup House Jons

MAY

Saturday 6th

BP

SPRING

DANCE

"SPIRAL"

A NOTE FOR YOUR DIARY

SPORTS DAY '89 SUNDAY 30th JULY

GAV/BP CLUB, HOO

INTER-DIVISIONAL COMPETITION FIELD AND TRACK EVENTS

A DAY FOR THE FAMILY. NEW THIS YEAR — CHILDREN'S FUN PARK, INTER-DIVISIONAL SWIMMING, 5-A-SIDE FOOTBALL, NETBALL CHILDRENS' RACES (EGG & SPOON, etc.)

VOLUNTEERS TO HELP RUN THE EVENTS ARE SOUGHT. CONTACT JIM COLLINS

Saturday 13th

Soccer

Dinner/Dance

"Ada's 60s

Revue"

Saturday 29th

Swimming

Gala

PARLOUR

DERBY

8.00pm

BINGO

1.00

APRIL

DARTS

8.00pm

BALLROOM

DANCING

Bowls

Section

With the start of the outdoor Bow's season only a month away, the section are urgently requiring new members, both experienced and learners, young and "mature". Bow's is no longer an "old man's" game as witnessed on Television.

There are excellent playing facilities at the Hoo club house, the green being one of the best in the district.

Tuition is available from an official County appointed coach. Amongst the fixtures are four coach outings to other clubs in London and Kent.