

GEC AVIONICS Rochester

NEWS

House Journal of GEC Avionics Limited No. 94 December 1988

Royal Air Force honours CACD

On Thursday 27 October, two Tornado IDS aircraft from 617 Squadron at RAF Marham overflew GEC Avionics in close formation in honour of the formal delivery of the 1000th Tornado CSAS Pitch Computer by CACD. The pilot of the lead aircraft was Squadron Leader Tim Southan, who was an apprentice with GEC Avionics between 1965 and 1970, leaving to start his career with the Royal Air Force.

The formal delivery ceremony marked a milestone in the design, development and production of the fly-by-wire system for the Tornado, development of which started in 1970. The ceremony, with an invited audience of guests from Panavia, NAMMA, MBB and MoD, as well as past and present members of the Division, took place in the Phase III building. Managing Director Ron Howard welcomed the guests to the company and the 1000th CSAS Pitch Computer was then handed over to the customer by Simon Frost, Divisional Manager of CACD. The unit was accepted on behalf of Panavia by Herr Horst Mueckley, Deputy Director of

Procurement. General Major Gulzow, Managing Director of NAMMA, then thanked GEC Avionics on behalf of the Ministries of Defence of the three nations.

Following the presentation ceremony, the guests were invited to tour the division and were shown the Tornado production and engineering areas. They were then escorted outside to watch the Tornado fly-past. Such

was the precision of the fly-past, that the two Tornados flew over the site within 1 second of the agreed time.

The fly-by-wire Command and Stability Augmentation System (CSAS) provides automatic stabilisation of the aircraft using rate gyros mounted in the aircraft, and responds to pilot inputs using electrical position transmitters attached to the pilot's stick and rudder

pedals. In this way, the performance of the aircraft can be optimised for all heights, speeds and wing sweep angles.

The celebrations were followed up with an Open Day for divisional employees and their friends and relatives on the Saturday.

A souvenir of the occasion is in the colour pages inside.



Herr Mueckley receives the Pitch Computer from Simon Frost.

Total Quality Management

"In order to prosper in today's highly competitive market place it is necessary to produce the right product at the right price at the right time."

More and more business enterprises are becoming aware of the implications of such a philosophy and in order to expand its business, GEC Avionics is introducing a concept aimed at each one of us to ensure that we provide such a service to our customers who should, rightly, be treated as No. 1. This concept is termed **Total Quality Management**. Flight Controls Division has been nominated as the lead division to introduce such a Total Quality Management prog-

ramme appropriate to the market and technology with which the division is associated.

There is nothing new about the elements of Total Quality Management, which is based on putting the customer first through operational excellence, management by fact and teamwork. The novelty occurs when these elements are integrated into a cohesive programme, demonstrating to customers and shareholders alike our true capabilities

when we all work together as a team.

The most important principle of Total Quality Management is probably the realisation that each one of us, whatever our position in the Company structure, has a customer and that it is the customer's satisfaction that must be of paramount importance in our minds. A customer can be defined as anyone who is affected by our work and not just the traditional interpretation of being someone that buys goods or services.

Just think how much more effective an organisation we could be if every time we needed to solve a problem we had the right people available, the right tools to do it and a sound approach to producing the right solution.

A high product quality awareness already exists within GEC Avionics as it must, to ensure the technical excellence achieved by many of our products. To improve further on such

excellence it is necessary to look closer at the current approach, and if necessary to introduce the appropriate changes.

With the introduction of the concept of Total Quality Management a fundamental change of attitude will be necessary at all levels, yes even at top level. This awareness will be introduced via a training programme for all staff.

The awareness training will be supplemented by specialised skill training provided by the Training Department, either as formal training courses or as open learning material. Initially the syllabus is being tailored to meet FCD requirements based on experience gained from GEC Sensors at Basilidon and other UK firms.

We can all complain at the frustrations caused by our own or other people's mistakes, but by prudent analysis the majority of mistakes are preventable - they do not just happen. This



A Christmas Message

from
Ron Howard

At the end of another successful year, I am pleased to have the opportunity of thanking everyone in GEC Avionics, Lear Astronics, Developmental Sciences and GEC Avionics Inc for their fine performance in 1988 and of sharing with them my hope for an even more rewarding 1989.

Together, we have reached an excellent and enviable position in those markets in which we specialise and our increasing attention to the quality and reliability of our products will contribute to the consolidation of our good reputation.

Competition is fierce and our market has become less predictable as the world-wide defence picture changes. However, we must continue to apply our innovative skills and our industrial muscle to maintain our position and to respond positively to these challenges.

I would like to wish all the members of our widespread family a very Happy Christmas and a successful New Year.



Air Canada INDUSTRY SAILING CHALLENGE

1989

The Company is to sponsor a team in next year's event and support a team in the 1990 and 1991 Challenges.

The Air Canada Industry Sailing Challenge is a series of 24 hr races open only to entrants from business and industry, and is run in conjunction with the Westerly Sea School on the Hamble, using Westerly Fulmars (32' sloops). The course, weather permitting, is planned to circumnavigate the Isle of Wight twice in 24 hrs.

In 1989 the Challenge will comprise five rounds (heats)

each with ten yachts. These rounds will be in June, with the first two boats to finish in each round qualifying for a final to be held at the end of July.

The 1989 team under the mentorship of Eric Fosberry (CSD) has been pencilled in and plans are already in hand to ensure that the GEC Avionics sailors are given every chance of doing well.

More information on the event and progress of the team will be reported in future editions of GAV News.

is what **Total Quality Management** sets out to achieve and knowing what to look for is more than half the problem. Elimination and prevention are the easy parts of the problem, as generally speaking they are a function of our well tried and tested technical expertise. The training programme will

enable us to identify the problems more easily and effectively.

In furtherance of this concept, Ron Howard has announced the appointment of Gerry Arger as TOM Programme Manager, to assist managers and supervisors in the implementation of their TQM programmes.

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

Editor's Notice Board

HANDICAPPED CHILDREN'S PARTY

Most readers will know that each year the company hosts a Party and Performance for the Medway Society for Mentally Handicapped Children, in the Main Canteen.

This year's will be the 25th Party. To mark the occasion, there is an invitation for additional people, who need not be members of MSMHC, to come along.

If any employee has – or knows of in the family – any mentally handicapped teenager or adult who would like to attend, would they give his/her name and address to Jim Collins in the Social Club office. The Party is on Saturday 28 January.

BLOOD TRANSFUSION SERVICE

The October visit was attended by 616 people, with a collection of 517 units of blood. Sadly, numbers were fewer than the April visit, with 770 people and 694 units.

Were people who decided not to come this time deterred by the extra documentation? This, apparently, was called for because the system is now fully computerized. What do you think?

The unit would like to convey their thanks to all who participated. The next visit is planned for March or April.

BRIDGEWOOD ROUNDABOUT

In the light of widespread concern throughout the company about traffic conditions at the roundabout on Maidstone Road, Management have asked the County Surveyor for assurance that some remedial action is being planned. The response from the Highways and Transportation Dept., KLC, dated 18 November, follows.

"I share your concern regarding the urgent need for improvements to cope with the continued growth of traffic at the Bridgewood Roundabout and confirm that the studies currently being undertaken are being given priority.

A number of possible solutions have been identified, but these need to be costed, and evaluated alongside other

schemes elsewhere in the County.

Any scheme to bring about a worthwhile improvement to the existing situation is likely to be expensive and it is necessary to ensure that it is effective and gives good value for money.

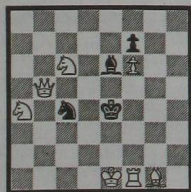
I am sorry that I cannot be more definite on the timescale for improvements, but this is a matter for decision by the Highways & Transportation Sub-Committee. I aim to place a report before the Committee early in 1989 and will send you a copy of the report as soon as it has been published."

Let us hope that early action follows the KCC deliberations. GAV News hopes to keep you informed.

CHESS PROBLEM

White to play and mate in two moves

Solution on Page 8



CENTRAL CHARITIES FUND



A cheque for £200 was presented on behalf of the GEC Avionics Central Charities Fund to Councillor Cox, Chairman of the Social Centre for Retired Citizens at Riverside, Chatham.

Each year the Centre holds a Grand Lottery to raise money for its Christmas Festivities, and the Ladies have all been hard at work

knitting, weaving and sewing to make the items on display.

Chatham Old Peoples Welfare Committee (Age Concern) is just one of many local charities the Central Charities Fund has been able to help.

Please help us to continue this support. Subscription forms are available from Personnel Records.

MEET SUE - BARCLAYS NEW PERSONAL BANKER

Sue Everett is replacing Ronnie Lee at Barclays Bank Sub-branch on the GAV site, following Ronnie's promotion within the Barclays Group.

Sue, who has been with Barclays for 15 years, has recently returned from Maternity Leave after the birth of her daughter, Katy. Some of you may remember her before as the Personal Banker at our Strood Branch.

Ronnie is sorry to be leaving but Sue will be equally able to assist you with any of your financial matters, not least new accounts, home mortgages and personal loans.



Just call in to see her at the Sub-branch on the site which is open between 12.00 – 2.00p.m. on Monday to Friday.

ALL YOURS, ALL HOURS,

If getting cash from our branch on site during the week is difficult for you, why not take advantage of our cash dispenser situated near the main surgery.

If you are a Barclays customer you can use your Barclaybank, BarclayPlus or Barclays Connect Card to obtain cash of up to £200 a day (£50 for BarclayPlus Account holders), check the balance of your account and order a statement.

You can also use your Barclaycard for cash advances.

Customers of Lloyds Bank, Bank of Scotland and the Royal Bank of Scotland can also use their cash dispenser cards.

To apply for a Barclays cash dispenser card, simply call in at any Barclays branch or telephone for an application form now.

Barclays Bank Plc, GEC Avionics Branch.



BARCLAYS

OBITUARY

We have heard with regret that Mrs. Olive Ellen passed away suddenly on November 16th. Mrs. Ellen retired only 4 years ago after 23 years with the company; much of that time had been in the Telephone Exchange where she had been Supervisor for 6 years. Our Sincere Sympathy is extended to her husband, daughter and son.

Telephone Exchange

THE FOUR MINUTE MILE TO COME? SPEED 15mph AVERAGE

The television coverage of the recent Olympic Games, avidly followed day and night by millions, serves only to make the more mortal amongst us watch in awe and all the more aware of our own physical limitations.

AS&RD's Graeme Saker, an Estimator in the Contracts department, followed the events with more enthusiasm than most, as he is currently GEC's fastest man over the one mile and 1500 metre events.

As well as being the fastest, Graeme is also well on the way to becoming GEC's first four minute miler. Earlier this season he just failed to achieve this by seven tenths of one second. Graeme is a very quick man.

Graeme's athletic prowess is now being recognised nationally. Already this year he has twice run in Norway, once in Jersey, and has been seen on television competing six times. Locally Graeme is



outstanding; he is the UK bronze medalist, Southern Counties champion and Kent Champion.

In the Olympic Trials, Graeme ran a very creditable eighth in his heat, so it was not just wishful thinking for him, he was not so far off being one of the British team.

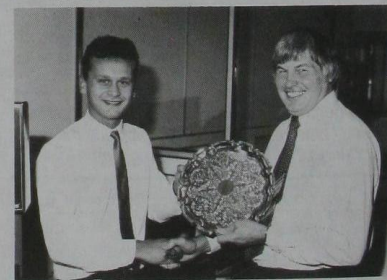
We wish Graeme every success. Maybe not so long before the four-minute mile is broken!

Mick Thomas

Congratulations WEDDING

Philip Kisorbo of PSD Progress was married recently in Chatham Register Office, and is here being presented with a salver by Chief Production Engineer Bert Kennet.

Philip's father Jack has left recently after around 15 years in FCD, where he was Project Controller, and is now living in Mauritius. (A)



RUBY WEDDING

Daniel and Ivy Fouché were married in 1948 at the height of food rationing, when Dan, who was in the US Navy, brought food over from the States for the wedding breakfast.

Ivy started in Wages Dept. in 1974, and Dan has been in IND/GSD since 1973 – he is a Tester.

PRIZE FLIGHT

As part of the CACD Open Day celebrations, a draw from among the applicants for tickets was won by Dave Young, Technical Assistant Tornado Engineering. His prize was to take friends and relations on a flight in the company Beechcraft KingAir aircraft on a trip from Rochester airfield around the South coast. Dave has written an account of his day.

"Coming from a family that has never won anything in a prize draw I was more than a little surprised to be informed by Simon Frost, the Divisional Manager, that I had won the CACD Open Day prize draw. Having never flown before it was a further shock to discover that the prize was a trip for me and my family in the company aircraft.

The flight was organised for Saturday 19th November, weather permitting. On the morning of the 19th visibility was down to about 4-5km but it was very calm so the decision was made to go. We were met at Rochester airport by Keith Lemm the company pilot who showed us around the aircraft. We were all very surprised to find how well equipped and luxurious the aircraft was.

The take-off was surprisingly quick, and we were soon at 1500 feet and on our way to Rainham where we were able to spot our house - at that height it even made Rainham look clean and tidy. We then flew down to Margate and over the sea



following the coastline to Dover, where we could see the hover and ferry ports, then we flew on to Beachy Head where we dropped to 500 feet below the cliffs at 600 feet.

Following the coastline around to Portsmouth the Isle of Wight was clearly visible. We then turned back towards Rochester via East Grinstead and Tonbridge.

The landing was the part I was least looking forward to,

but we were soon safely back on solid ground. Having taxied back to the hangars we left the aircraft glad to be back safely. After thanking the pilot we headed to the Crest for a stiff drink.

Finally, on behalf of my family and myself, I would like to thank all those involved in organising this prize, in particular Keith Lemm who gave up his Saturday to take us on this trip of a lifetime."

1988 "Second Year Award Scheme"



The Award Winners. In the centre, with John Colston and holding his certificate, is Lawrence De'Ath.

Other winners present are John Bates from Brighton Polytechnic who worked in ISD; David Williams, Liverpool University (ATED); Chris Lafferty, Strathclyde University (CACD); Kieran MacManus, Belfast University (GSD); Richard Middleton, Sheffield Polytechnic (FCD); Iain Wallace, Durham University (ADD); Philip Carr, Warwick University (FOD); Myles Harvey, Lancaster University (PSD); Robert Howard, Nottingham University (FARL); Jeremy Boakes, Essex University (MASD); Matthew Noble, UWIST (ATED); Andrew Martin, Keele University (PSD); Ian Chalinder, Hull University (ISD); Sukhdev Rathore, Portsmouth Polytechnic (AS&RD); Jonathan Gad, Hatfield Polytechnic (APD); David Francis, Exeter University (OPG).

This year's prizewinners received their awards at the beginning of October, on a day just before their return to Universities and Polytechnics when they came to Rochester with their tutors from colleges as far apart as Belfast and Exeter.

John Colston, General Manager, presented the cheques, following a brief introduction by Tony Williams on behalf of Person-

nel Dept. and the Divisions in which the students had worked during the summer vacation. After a buffet lunch, our guests were able to visit the divisions with the supervisors who had looked after the students and their work.

The annual competition involves selection of suitable students by 'adoption' of a particular University or Polytechnic by divisions, to take up the opportunity of vaca-

tion work and a cash prize. Once selected, students may enter the second stage and submit an essay, for which the best is awarded a four week spell working at GEC Avionics Inc., Atlanta.

This year's winner was Lawrence De'Ath who is reading Electronic Engineering at York University, and who spent his vacation in FARL, before going to Atlanta.

HOLIDAY TIME TRAVEL SHOP

Pickfords Travel
RHINELAND WEEKEND
 Friday 21st April 1989
 4 Days
£79 per person



On Tuesdays
 commencing 10 January,
Norman Trower,
 Manager of Pickfords Travel,
 Chatham Branch,
 will be on site for bookings etc.
Personnel Dept. Conference Room
Tuesdays 12.00 - 14.00.

Friday:
 By coach to Dover for the short sea crossing to Calais. We continue by coach through northern France, across Belgium and into West Germany for late evening arrival in the Rhineland.

Saturday and Sunday:
At leisure in Kamp-Bornhofen.
 The twin villages of Kamp-Bornhofen stand on the east bank of the Middle Rhine at one of the finest points of the river's course, close to the romantic Rhine Gorge. The

towns of Koblenz and Rudesheim are within easy reach by both land and water. Towering above the villages are the two castles Schloss Liebenstein and Schloss Strenberg, the so called 'Hostile Brothers' from whose panoramic restaurants and bars you can obtain a spectacular view over the valley and surrounding countryside. The streets of Kamp-Bornhofen are lined with half timbered houses typical of the Rhineland and are an ideal spot for a leisurely pre-dinner stroll.

Monday:
 After an early breakfast we drive through Belgium into France for the return crossing to Dover and home.

Included in the holiday:
 * 3 nights hotel accommodation in twin rooms with private facilities. (Please note: No single rooms available)
 * 3 breakfasts (Dinner can be bought at a supplement of £18)
 * Coach travel throughout

- * Services of an experienced driver/courier
- * Channel crossing by ferry
- * Road tolls
- * Half day excursion to Rudesheim
- * Full day excursion to Cologne and Bonn
- * Nightly entertainment including bingo, fancy dress, games, competitions, music and dancing

Coach Departures from either Chatham or Maidstone

Pickfords Travel

Great Holiday Savings

You can now save up to £200 when you book your next travel arrangements at Pickfords Travel.

And it doesn't matter whether your holiday is two weeks for the family in a hotel in Spain, a luxury Caribbean cruise, a week's touring in the UK, or just a flight to stay with friends or relatives abroad. There are savings for everyone!

The amount you save depends on the original total booking value. This includes not only your basic holiday price, but also insurance, car hire, any special excursions and flight/room supplements. It does however exclude theatre tickets, continental rail, travellers cheques and surcharges. Flight discounts are valid on non scheduled and charter flights only.

The following chart details the savings to be made—

ORIGINAL TOTAL BOOKING VALUE	SAVE
£200 - £399	£75
£400 - £599	£85
£600 - £799	£95
£800 - £999	£65
£1000 - £1199	£55
£1200 - £1799	£75
£1800 - £2499	£150
£2500 or more	£200

For example, if your original total booking value comes to £1420, you will save £75 when you book with Pickfords Travel.

DON'T DELAY, BOOK TODAY!

How to make great savings!
 Simply complete this form and present it at your local Pickfords Travel shop when making your travel or holiday arrangements. Pickfords Travel's friendly staff will be pleased to help you with your holiday choice, calculate the correct saving and make your booking. It couldn't be simpler.

CONDITIONS APPLYING TO ALL SAVINGS

1. The savings apply to the Employee, as named plus spouse and children of school age, or in the case of single status, one friend.
2. The savings are only valid at Pickfords Travel Shops.
3. The holiday/travel arrangement on which the saving is offered, must be taken in conjunction with Pickfords Travel insurance arrangements, which must be paid for with the deposit at the time of booking. The saving will be deducted from the balance payment.
4. The savings may not be made in conjunction with any other Pickfords Travel offer.
5. This form must be produced at the time of booking.
6. These savings apply to purchases made by cash, cheque, Access and Mastercard only.

NAME _____

ADDRESS _____

GEC AVIONICS

EMPLOYEE NO. _____

SIGNATURE _____

DATE _____

The pick of the travel people

ADD SUPERJERKS 1988

After cancelling last year's event due to lack of entries it was very pleasing to have such a large entry for this year's competition. We were unfortunately unable to use the Royal Engineers' sports facilities and so the most fearsome event, the obstacle course, was cancelled and the running events were transferred to Deangate. As in previous years, this takes the form of a 100 metres event and the one mile.

The running events took place under the floodlights at the Deangate track where the lights coupled with the Autumn haze made for a rather eerie atmosphere. Six heats of the 100 metres were run and the winner of each heat went straight to the final. Kevin Duhig surprised himself to run away from the field and win comfortably from Tim Baker with Phil Breakwell, 3rd.

28 competitors made up the field for the Superjerks mile. The favourite for this particular event unfortunately had other commitments on the night and arrived at the sports ground just after the event finished; despite protests, the committee would not re-run the event in which Mike Bloore made the early

running until Steve Bolton surged on the 2nd lap to open up a gap. He pushed on, not letting up the pressure to win from Mike with Alan Goodger 3rd. The winning time was 4.41 minutes.

Once again the Rifle Club accommodated our shooting event at their rifle range (many thanks to them for their help and assistance). Firing from the hip was banned this year as a result of the little accident in 1986 where the membership of the rifle club was halved in a matter of seconds (accidents do happen).

The scoring on this event without mincing words, beating about the bush or prevaricating was pathetic with several competitors scoring zero and one competitor not hitting his card at all. Next year's event will be with telescopic sighted pea-shooters, where I'm sure we'll do better.

In the event shooting was won by Wilf Quinton who apparently achieved his score of 51 with his eyes shut.

Gym tests were held at Walderslade Boys school, which was unfamiliar to the competitors, most of them even had trouble finding the

Gym entrance. Eventually the course was set out, the competitors lined up and the event began.

Only a few minor mishaps occurred, mainly at the final obstacle where the competitors had to clamber through a gap two feet high but about 5½ feet from the ground. One member of the Software Dept. landed on his head, but fortunately the floor was quite robust so no damage was done there. Brian Harris though decided to be different, repositioning the equipment whilst completing the course.

This was followed by the basketball, which was where Alan Ward won an event for the first time and just beat Brian Harris. An occurrence that he made very sure nobody forgot, or will ever forget.

Nicola Gutteridge picked up good points by finishing 4th in the basketball following her 10th position in the gym test.

The weightlifting tends to favour the lighter competitors who generally have a higher power/weight ratio. On the other hand the equipment belonged to Brian Harris who insisted on being allowed to win if we wished to borrow it again

next year. The discipline is benchpress and a maximum of three attempts at 3 weights would be allowed. However, if a competitor failed to lift any weight after three attempts he was out of the competition. The competition is conducted on a rising bar and the weight is never decreased. Brian Pearce made the 2nd heaviest lift of 199lb, but this was still 5lbs under bodyweight and only good enough for 6th place.

Phil Breakwell lifted 195lb which gave him a plus of 8lb and 4th place. Two flyweights filled 2nd and 3rd positions. Andy Bamford's lift of 155lb was 13lbs over his body weight for 3rd and Wimpy Ward's lift of 165lb was a plus of 21lb for 2nd place. Brian Harris knew that if he could lift 205lb it would give him a plus of 25lbs and maximum points. Brian knew his ability and won the event with a single lift.

This brought us round to Friday evening and the swimming, with Alan Goodger

having to finish in the first ten to win the competition. Everybody had to swim in two heats, the first was to grade the swimmers and the second was for scoring purposes with swimmers of similar ability competing against each other. Alan Ward was observed struggling manfully back down the pool trying to die of exhaustion whilst the results were being confirmed. Congratulations to Pat Roberts for her brave attempt after pulling a muscle. The swimming was won by Dave Reast, but Alan Goodger had won the overall competition by finishing fifth.

The evening ended with the prize giving where the presentations were made by Joyce Marvell. Once again thanks are due to Dave and Joyce Marvell for the recording of results and help to the committee, and thanks to all the competitors who helped the committee to have many laughs over the course of the competition.

Superjerks 1988 Results

Position	Name	Points
1	A. Goodger	100
2	B. Harris	92
3	A. Walter	86
4	P. Breakwell	83
5	W. Quinton	72
6	K. Duhig	71
7	R. Andrews	69
8	L. Tomlinson	65½
9	M. Bloore	62
10=	M. Hadley	57
10=	G. Lees	57
12	A. Ward	55½
13	L. Feehan	54½
14	N. Gutteridge 1st Lady	54
15	M. Butcher	53½
16=	A. Rethie	51½
16=	N. Seamer	51½
16=	D. Reast	51½
19	P. Roberts 2nd Lady	51
20	S. Lloyd	49½
21	A. Bamford	48
22	M. Phillips	46½
23	P. Holliman	46
24	M. Cheeseman	45
25	S. Bolton	44
26=	B. Pearce	41½
26=	M. Roberts	41½
28	T. Baker	39
29	S. Bracken	38
30	S. Pralton	35½
31	R. Patterson	26
32	S. Rous	24
33	P. Woolmer	23
34	P. Easter	3
35	P. Homann	1

Alan Ward

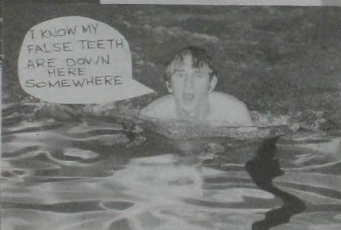


Brian (Chopper) Harris goes 'over the top' in the gym test.



The effort of winning the 100 metres semi-final can be seen on Andy Walters face while a desperate struggle for 2nd takes place behind.

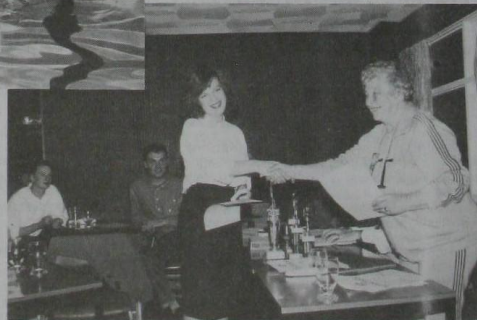
Alan Ward in the swimming pool looking like man's ancestor crawling from the primeval soup.



Gordon (Albatross) Lees gets a flyer.



Alan Goodger has received his prize for first place from Joyce Marvell. Alan Ward looks on in admiration while Nicola holds a Papal gesture of approval.



Nicola receives her prize as ADD's 1st lady.

TWO PROUD OCCASIONS

ISD receive their Queen's Award and CACD hand over the 1000th CSAS pitch computer.



INSTRUMENT
SYSTEMS DIVISION

Above: After presenting the Grant of Appointment and Emblem to Fred Wickham and Dave Silsby, the Lord Lieutenant of Kent is shown with Ron Howard, John Lapp (USAF), Sir Michael Beetham, and the Deputy Mayor of Rochester-upon-Medway, Cllr. Sheppard.

Below: Herr Horst Mueckley, Deputy Director of Procurement for Panavia, accepts the 1000th 'CSAS' Pitch Computer from Simon Frost, Divisional Manager. Looking on are General Major Gulzow and Herr Klenner of NAMMA, with Ron Howard.

Below: Fred Mackley Divisional Manager, and Peter Hewlett Deputy DM, show a SCADC unit to the Lord Lieutenant.



www.rochesteravionicarchives.co.uk

CAC Open



The Tornado – with support crew? Pilot is James (2), son of Tony Lyons, Maintenance Fitter.

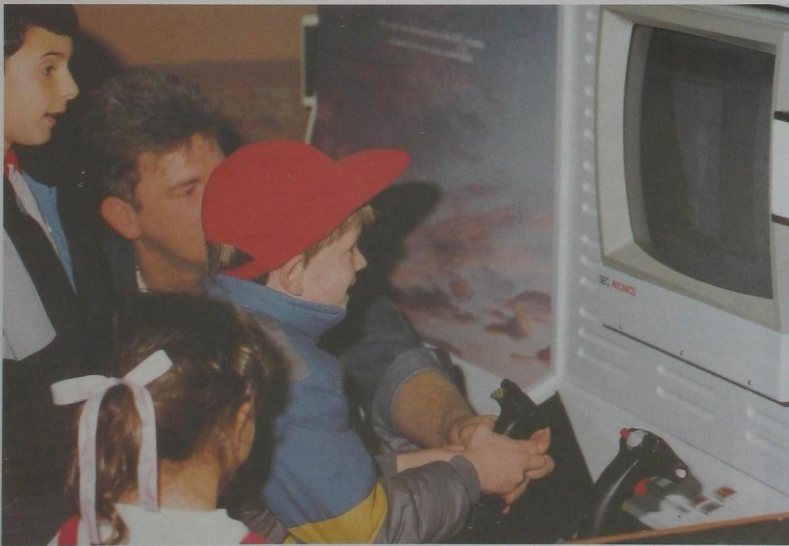
On Saturday 29th October 1988, Combat Aircraft Controls Division opened their doors to the friends and relations of Divisional employees and invited them to tour the Division. The theme for the day was to show CACD at work. Over 700 people came in during the day.

On arrival all visitors were given a commemorative badge, and the children were presented with a balsa wood model glider in the shape of a Tornado.

A large number of exhibits were arranged around the Division, in Production, Engineering and Quality Assurance areas. Visitors were invited to examine the latest production facilities, try their hand at Computer-Aided-Design and fly a simulation of EAP using the pilot's control stick. Other areas that were open to visitors included the Model Shop, RST, the Tornado hardware and software engineering areas, Future Technology group who showed the latest



"Roly" Hooper shows Terry (9) and his Dad Fred Slucock, Production Foreman, how he tests the Pilot's Control Unit of CSAS.



If you pull this you go up – VERY FAST.



Bob Sutton, Section Leader in Tool Drawing Office, shows Dawn, James (5) and Rebecca (4) the work of QA Department.

www.rochesteravionicarchives.co.uk

ED'S n Day

developments in fly-by-wire fibre-optic technology, and computing services. There were also displays by members of the Sports and Social Club and the Training Department.

A particularly popular attraction was the Royal Air Force mock-up of the Tornado aircraft, which was positioned in front of the Phase III building. This mock-up, which weighed over a ton and was valued at nearly £1 million, was full-size and had steps leading up to a representative cockpit.

The mock-up arrived on the back of a trailer and took nearly 4 hours to build.

CACD would like to express its thanks to all those that supported both the Presentation Day and the Open Day, especially the numerous departments from outside the Division who assisted both on, before and after the events.



Peter Fellows, Asst. Production Manager, explains to Neil and Lee (both 15) how Wireperson Pam Peters uses her skill.



"Looking Into" the Dynascope assembly viewing aid.



Like knitting? Kelly Brown (Wireperson) demonstrates her work on Wiring Section.



Now what do I do to make it GO?

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LSA DINNER DANCE

Some of the members and guests who enjoyed the dinner and dance in the main canteen in October. Nearly 700 people sat down to a 5-course meal prepared by Chef and his brigade of helpers. Dancing went on till nearly midnight.



Below: Pat Johnson, moving off to the left, has just presented a bouquet to Brenda, wife of LSA President, Dick Collinson, seated at left. Pat this year made such a presentation for the last time, as she is soon to retire – she is now the longest serving LSA lady member still at work, in GSD Progress.

Below: Bert Robbins was at the piano during dinner. He has played at dinners, pantomimes and other events for some 25 years now, carrying on after retiring as chef about 12 years ago.



SPONSORED SWIM FOR MEDWAY HOSPITAL

See main section of the News.

Below: Denise Dutton hands the cheque to Mr. J. Beavis. Behind are Nurse Fossey, Mrs. K. Beavis, Jean Strathdecock, Cyril Moffett, and Sister Clark.



3-LEGGED RACE

The Sponsored Race from the factory to the Hoo Clubhouse, reported in September, was handed over to the All Saints Hospital Labour Ward which is closely associated with the Special Care Baby Unit. Here, the cheque for £1200 is being given to Val Cooper, Community Midwife, by Sue Marshall, one of the organizers.



Left: Flowers for Avril Nuttall, Chairperson of H.I.P.S., presented by Graham Dutton. Graham has himself been treated by the scheme. Sister Clark and Nurse Fossey behind.

Above right: Mr. Pickles does his magic with Nicholas Lloyd, and some of his young audience give encouragement.

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ADD TOUR DE MEDWAY 1988

On a hot and humid day last July, the Tour de France was winding its way into Bordeaux on a three week journey to Paris. That same evening, preparations for the world's most prestigious bike race, the Tour de Medway, were reaching advanced stages. Under a sky that was threatening rain, the competitors gathered at the start and waited to come under the timekeeper's orders. The first rider to be called to the line was the very colourful looking Aussie Malcolm (Mungo) Park. The count down began and Mungo zoomed away on what in the Tour de France is known as the "race of truth". This is because in a time trial no advantage can be gained from the efforts of others.

This year the organisers had decided to broaden the horizons within which prizes would be given. The fastest newcomers and the most improved performances would also be rewarded but should any of those finish in the first three, then that would take precedence.

Mungo, now well on his way, was soon to find that the easy start was not to last. He was the first to turn the corner towards Burham to be tested not only by a hard part of the course but also by a difficult head wind. Mungo was however making good progress and it came to light that the Software entrants had been training together for 9 months (the duration of a pregnancy) and expected to make a serious challenge for the main prize.

The next two riders to start were also from Software. Geoff (big, ding dong) Bell was at the line while a menacing looking Ian Turner warmed up (posing!) in front of the waiting riders. By turning his big gear he was making it clear that he was not going to be a pushover. Toughie Turner chased off after Geoff Bell and was followed by Linda Mose, the first of two ladies in the race. Layne Feehan of the Model Shop then went on an ill fated journey that saw him somehow manage to miss the turn off at the top of Bluebell Hill (twit). He had to go on to the roundabout and come back with unwanted minutes added to his time.

The next starter was thought to be a medal prospect, this came in the form of Phil (Iron man) Breakwell. The last of the new entrants Michael Eason started twelfth. He arrived on a 'flash' borrowed bike which was thought to include new stealth technology and be undetected by radar traps. The second lady, a superstitious Pat Roberts, started in 13th position and

was not destined to have a lucky ride.

The next group to go were the improvers to be followed by the seeded riders, Marc Cheeseman who a couple of weeks before had been in the London to Brighton randonee was going for the best improver prize. As it turned out the head wind was going to make improved times difficult particularly as the standards were set last year when the conditions were perfect.



Jim Beane on his way to the title

By now Mungo had finished his torment with a good time of 28 mins, 43 secs. He was followed a little later by Toughie Turner who climbed up to the head of the leader board with 28 mins, 3 seconds. These were both very creditable rides from two newcomers to the event and Toughie would have a nail biting time to see if the seeded riders could leapfrog him. Rider after rider finished in various states of exhaustion but all were falling short of the mark.

The first seeded rider was John Crennell from Calibration. He was followed by a previous winner, Chris Dardy. Chris this year was not putting in a challenge for the title.

The next man to go was one everyone was looking forward to seeing. This was stylish Derek Avey. Derek turned out on his 1988 model machine. This was a sleek white low profile which had only recently passed its pre-race trials and was ready to be used in anger. Derek also

looked the business as he had turned out in his cerise skin suit. Next to go was Andy Walter followed by the last man off, the old fox Jim Beane.

Last year Jim was beaten in the race for the first time. This year he had been doing some training but could he once again wrestle the title away from the younger riders? Along the bottom of the hill he did not feel he was going well and had not been able to see any of the riders

Software, who filled 2nd to 5th places inclusive, would have won easily.

Ian Turner and Malcolm Park were also newcomers to the race but took the silver and bronze medals. The newcomers' medals were awarded to Michael Eason (7th) and Phil Breakwell (9th). Marc Cheeseman who improved his previous best time by an enormous 4 mins 18 secs was the best improver, followed by software man Peter Homann (1 min, 15 secs).

The organisers wish to thank Dave Marvell, for once again coming along to present the prizes. Dave Marvell was the former Superintendent of the ADD Model Shop and in recognition of his contribution to sport and cycle sport in particular, the trophy is named after him.

Thanks are given to the Timekeepers and Marshals for giving up their own free time to the event, without them the race could not take place. Finally, thanks also to the competitors and spectators who make the race the success that it is.

Finally, as a result of the Jim Beane success a 'Jim Beane' Fan Club has been started. On offer are autographed photographs, Jim Beane tee-shirts (I LUV JIM BEANE motif) and his latest book 'Cycling for the Aged'. Anyone wishing to join the Fan Club please contact Alan Ward ADD Eng, First 50 entrants receive their own special Jim Beane badges.

Results

Pos	Name	Time
ition		ms
1	Jim Beane	D/O 27:46
2	Ian Turner	S/Ware 28:30
3	Malcolm Park	S/Ware 28:43
4	Andy Walter	S/Ware 28:55
5	Peter Homann	S/Ware 29:01
6	John Crennell	Calib 29:42
7	Michael Eason	Prod/Plan 29:43
8	Derek Avey	Mod/Shop 30:07
9	Phil Breakwell	Mech/Des 30:32
10	Geoff Bell	S/Ware 30:49
11	Marc Cheeseman	D/O 31:30
12	Mick Bloore	Eng 31:42
13	John Seabrook	Eng 33:21
14	Geoff Dias	Eng 33:27
15	Chris Dardy	Eng 34:05
16	Tim Baker	Eng 34:55
17	Andrew Bamford	Mod/Shop 35:22
18	Steve Coates	Mod/Shop 35:26
19	Mark Cotton	Planning 36:40
20	Phil Turner	Eng 37:13
21	Mike Massey	Eng 39:59
22	Rod Paterson	Eng 42:17
23	Layne Feehan	Mod/Shop 43:39
24	Linda Mose	Eng 43:45
25	Pat Roberts	D/O 52:41

A WALK UP MOUNT WHITNEY



Just a couple of years ago, Gordon Belcher, Group Technical Manager, wrote of his climb up the Matterhorn in the Swiss Alps.

Keeping up the tradition and climbing just a few hundred feet less, Gordon has now given us his account of this year's expedition in another continent.

Mount Whitney is 14,495 ft high and is the highest mountain in the United States outside of Alaska. It is part of the Sierra Nevada Ridge in Southern California. The normal way to get to the summit of Mount Whitney is to go to the small desert town of Lone Pine along highway 395, then turn west and drive 13 miles to the end of the road at Whitney Portal (9,361'). From here the trail rises 6000' in 11 miles to the summit.

One of the advantages of working for GAV is the international nature of our business which necessitates business meetings all over the World. Last September I was lucky enough to go to San Francisco for an Agard Working Group on the Validation of Safety Critical Systems and was equally lucky to be able to combine two weeks holiday in California with that business. The centre piece of that holiday was a walk up Mount Whitney.

In mid September, my wife and I flew out to Los Angeles. We spent two days there and two days in San Diego visiting the normal tourist attractions such as Universal Studios and Sea World. Then we left the cities and went inland, east of the Sierra Nevada Mountains, up highway 395 into the high desert.

We passed near Edwards Air Force Base and the Naval Weapons Centre at China Lake and saw the environment of the GAV engineers who work there. They have the benefits of Californian sunshine and the American standard of living but the bases are well away from the coast, in near barren desert. During a very scenic drive we had lunch at a rundown Casino in the middle of the desert, passed a huge area of solar reflectors capturing

the sun's energy, then past Owens Lake, now drained dry by the demand for water from Los Angeles, and on into Lone Pine (3,700').

If one is riding a mule across the desert from Death Valley, then Lone Pine must be paradise. However, if one is coming from San Diego and expecting an American equivalent of Chamonix or Zermatt then Lone Pine is disappointing. The town is oriented towards the desert traveller and the local farmers. At weekends accommodation is in short supply and the motels and restaurants are not very sophisticated.

The following day we drove to Whitney Portal to explore how to get to the top of the mountain. Whitney Portal has several campsites where the Americans park their campers and go off to fish and be in the wilderness. It is also the starting off point for the 75 back packers who have the wilderness permits allocated for that day; they carry their 40lb loads up 3,600' to camp at the designated site (Trail Camp). Surprisingly in the 'land of the free', access to the mountains is far more strictly controlled than in Europe.

We spent a couple of hours walking up 2000' to Outpost Camp, lazing the day away in some very beautiful alpine scenery. It became clear that there was no way in which I could spread the walk over two days as the books recommend; there is no hut on Mount Whitney and no camping equipment for hire. To get to the top of the mountain it would have to be a one day climb of 6,000' and 21 miles. This is fairly demanding but the trail is described as easy and it is only 50% more height gain than Ben Nevis. *Continued overleaf*

Continuation of Page 5

So the following day I got up at 5.00 am to start the journey. By 6.00 am I was parking at Whitney Portal. As I parked I woke a guy sleeping in the back of his pick-up truck. He also was going to the top of the mountain and had slept out in the open in near freezing temperatures, at 8,000'. (They certainly make them tough in the States).

As I started up the trail it was dark, cool and still; ideal conditions to make a lot of height quickly. There is nothing quite like starting a walk in the dark; there is atmosphere, expectation, one has lots of energy, the air is fresh, all is quiet, the world is great, a marvellous time.

Gradually the trail steepened, dawn broke, the trees became thinner and the path rockier. By 9.00 am I had reached Trail Camp (12,000') and began to meet other walkers. Several were

coming down after having walked to the top in the dark to see the dawn break. Others had spent a very cold night at Trail Camp.

Just above the campsite the trail goes up a steep north facing slope. The trail rises 1,000' in a series of 100 zig-zags. One-third of the way up the path became covered in snow and care had to be taken to avoid slipping down the slope. Around 12,600' I started to tire, perhaps as a result of going too fast too early, perhaps because of the height and the lack of acclimatisation, perhaps old age. I tagged onto the back of a party of 4, typically, for the States, they were led by a middle aged first generation immigrant of Eastern European origin. Gradually we made our way to Trail Crest [13,000'] where the path meets the John Muir Trail.

John Muir was a Californian conservationist who persuaded one of the Presidents to set up some of the National

Parks, including Yosemite; the trail named after him is a glorious long distance walk along the High Sierras.

The view from Trail Crest to the west is stunning; a panorama of desert scenery, barren rock fields, brightly coloured lakes and rugged rock strewn mountains.

At this point the trail goes over to the west side of the ridge and turns north past a series of 'windows' - gaps in the rock which give views eastward towards Lone Pine through the dramatic eastern face of Whitney. The trail then goes through a barren rock field and upward to the summit.

The last 500' were difficult for me; I was tired and the effort of going uphill was exhausting. The effect was similar to the 'wall' which the marathon runner hits, the same lack of energy and weakness in the muscles. At long last the summit was reached some 6½ hours after leaving Whitney Portal.

The summit is too broad to be spectacular and there were several other walkers there so there was no feeling of solitude. There is a small observatory which was used by scientists studying solar and meteorological phenomena. This also reduces the impression of wilderness. Nevertheless, it is a grand place which retains its dignity by its bleakness.

After resting for 30 minutes and having a reviving drink I started down the trail. It was much easier going down but, above 12,000', every small upward incline proved difficult.

On the zig-zags there is a stream from which water flows onto the trail and produces a patch of ice. Alongside this patch there is a fixed rope (actually a steel cable). As I grasped the cable I slipped on the ice and almost fell down the slope. Luckily I hung on to the cable but the incident demonstrated how easy it is to have

an accident even on such an easy route.

As the height decreased so strength returned and the scenery became more verdant. By 6.00 pm I was back at Whitney Portal. It had been a hard day, harder physically than the Matterhorn, because of the extra height covered, the lack of acclimatisation and the snow on the zig-zags. However it was worthwhile, not because of the ruggedness of the mountain and the views.

Next day we drove to Yosemite, one of America's great National Parks, a Mecca for all rock climbers, where there are 3,000' high rock faces and scenery which inspired one of their most famous photographers, Ansel Adams. Here we watched the expert rock climbers as they worked their way up Cathedral and El Capitan. Many of them were on climbs which would take two days, with the night spent

perched half way up on some narrow ledge.

We walked one of the trails around the valley bottom close to Cathedral and El Capitan, then to Glacier Point to look 3,000' vertically down at Yosemite village and to photograph Half Dome, a 400' high hemispherical rock with one side removed by glaciers, giving a very dramatic shape.

The holiday finished with a drive across to the Pacific Coast via Lake Tahoe (site of the 1960 Winter Olympics) and then down the coast to the fog, San Francisco and work.

It had been a great time in a vast and beautiful State. Out of the cities people are friendly and interesting; the City streets were less pleasant. If you get the chance to go to USA, get out into the sticks and really enjoy it.

Gordon Belcher

25 years' service

Project Leader **Allan Cochran** of PSD joined the former AEI Division (later ISD) following a Government apprenticeship, and after 3 years carrying out fault finding and calibration of fuel flowmeter equipment, was then appointed Service Engineer responsible for in-service problems and custom liaison. He became Project Engineer, Product Support in Instrument Systems Division in 1970, and on the formation of Powerplant Systems Division in 1977, he joined them as Project Leader (Product Support) and Post Design Services Officer.

Allan's outside interests are photography, fishing, gardening and DIY.



Allan Cochran with his Divisional Manager Chris Humphris and his presentation clock (B)

Alex Dunbar's 25 years have been counted at Rochester, but before then he was with GEC at Stamford for 10 years. With Elliotts, he joined TACD as Instrument Maker and before long became Leading Hand. In 1968 Alex went to CMS as Charge Hand and a year later was offered a Foreman's post in ADD Model Shop, where he spent 10 happy years. In 1979 he moved to his present department, Production Engineering.

Outside work, Alex's interests revolve round his church, where he is a part time librarian and supports and plays Badminton. His interest in photography formed his choice of gift - a camera handed over by Keith Snelling, Divisional Manager.



Alex with his wife, June. (A)

Mick Mills, Chief Engineer in ATED, has been in that division since his early days, when he spent the last year of his apprenticeship there. He joined the division as Junior Computer Programmer, and by 1973 had risen to Systems Engineer, then in 1974 he became Project Leader, with responsibilities for defining the ATAL test language specification with BAC (now BAE). During 1975, Mick was appointed Chief Programmer, given overall responsibility for System Software definition on the big multi-national Tornado ATE contract. 1978 onwards, he commuted a lot to Germany, as Principal Engineer on software.

1980 brought a move into Programme Management, and in 1981 he became Project Manager responsible for the Nimrod MkII ATS, then from 1984 for aspects of the Tornado project, assuming overall control in 1985 as Engineering Manager for all Tornado ATS activities.

In 1987 he took on the definition and management of the SCADC 'MATE' system, involving much travel the length and breadth of the USA.

Mick was promoted to Chief Engineer in February this year, now managing all technical disciplines within ATE Engineering.

At the time of his presentation in September, **Roy George** had spent all but one month of his 25 years in FCD and its predecessors. In Engineering he was involved in many major flight control system projects ranging from VC10 to Tornado, Jaguar FBW and Airbus, but the Concorde programme remains his most rewarding. In his new post as Technical Manager in AS&RD, Roy is looking forward to helping to keep all the company's products in operational service.

At his presentation, both his new DM Mike Barton and previous Ray Dennis congratulated Roy, and handed over a gold watch.



Roy's guests were his wife Sylvia, and daughter Elaine who works in CACD Logistics. (A)



Mick with his wife Judi, after receiving his award from Arthur Colwell. (A)

John Keeling came to Rochester following twelve years in the Royal Navy, which he left as Petty Officer, and a short spell as TV service engineer. His first job, in TACD, was Tester, then TA, and next he went into the 'writing' business.

Through Technical Writer, Author, and a move to AS&RD in 1977, John was appointed Chief Technical Author in the division in 1982.

He is also very well known for his enthusiasm for Rifle Shooting and his leading role in getting the open air range built.



John Keeling received his gift from Henry Stedman, Publications Manager. (B)

Keith Harlow, Chief Draughtsperson in PSD, was an Army Apprentice before his 8 years service in the Royal Engineers - of which four were spent in the Middle and Far East and four teaching at the SME in Chatham. Two years in guided weapon and nuclear design followed, then he joined FID as Detail Draughtsman. After periods in TACD and AEID design offices, Keith was by 1968 Section Leader in IND, and in 1978 he was appointed Chief Draughtsman in PSD.

In addition to his committee membership of the Rifle and Pistol Club, Keith is interested in woodworking and metalwork.



Here Keith Harlow is seen with his presentation canteen of cutlery and Long Service Certificate. (A)

'Pip' Huckstepp, one of the first Electronic Instrument Maker apprentices when he started, has spent almost all his 25 years in ISD, or its predecessor AEI. At first he was in the Model Shop, where he became Leading Hand in the late 70s. Then in 1985, after spending six months in Engineering as TA, Pip became involved in Methods Tooling and has made a major contribution to the build-up of the SCADC production programme, with responsibility for many aspects of the equipment in the Process Room and associated automatic assembly. Pip's wife Anita is on the Temporary Pool, and has spent much time in ATED over the last 2 years.



The presentation clock was handed over by Fred Mackley. (A)

Peter Knight, after graduating at Bristol University, joined the company as a Graduate Apprentice, spending this two-year period in FID and FARL, where he stayed and first gained the expertise in analogue technology which he finds valuable in his present Consultant status. Peter then went to Cambridge for a post-graduate degree, sponsored by the company, obtaining a Certificate of Advanced Studies in Engineering (CASE). After a further spell in FARL, in about 1970 he moved to FID, becoming involved in Air Data Computer work, notably the first Digital ADC. This led to ISD's big project on the Tornado Stores Management System, for which Peter became the expert on system integrity. His present Consultant Engineer post covers integrity matters for all ISD's work - he has been at the 'roots' of many large projects. At home he keeps up an interest in horse riding.



Here is Peter with friends and colleagues Fred Mackley, (who made the presentation), Dave Sisbey, Clive Sherrod, and Ken Hyde. (A)

Brian Williams, Project Controller in FCD Production, started his career as Dockyard apprentice and with BP. When he came to this company he worked as a mechanical engineer, with particular knowledge in hydraulics. In MACD/FCD he was in the early Hydraulics Lab, becoming Project Engineer, and when the DN181 project started up he transferred to Production at the request of the then Production Manager, who needed Brian's expertise. Currently, Brian is responsible for the smooth running of several of FCD's programmes.



Brian with his wife Mavis at his presentation (A)

He is interested in photography, and has travelled widely mainly in Europe, but this year he got as far as the West Coast of the USA.

Retirements

Peter Smith, Marketing Liaison Engineer, has finally retired from GAV after 4 years here - but this was preceded by a distinguished career which started with war service in the RAF, including 18 missions on Lancasters as a Flying Officer pilot. There followed four years with Transport Command, then 34 years with the Scientific Civil Service. During this time, Peter had many links with this company in its successive names, in about as many different Ministries! Particularly of note were his service in charge at RAF/RAE Llanbedr - where he organised the first Lindvik flight - and six years at the Blind Landing Experimental Unit at RAE Bedford, where the VC10 Autoland trials took place. For nine years from 1970 Peter was with MoD Headquarters research, with involvement in work now important to GAV including '1553' and Night Vision systems. Then for the last five years before coming to Rochester, he was with the British Embassy in Washington on the Defence Equipment staff. This wide experience was a factor in Peter's appointment to the Assessors panel for the Haskett Trophy. (A)



Jock Insh, Senior Production Engineer in GSD, has taken early retirement. Always in IND/GSD, Jock has been involved in most of the division's important projects since 1960, when he joined as Trainee Planner. Most recently on the Warrior APES team, Jock has decided to move back to his Scottish homeland with his family. (A)



Grace Ashdown, Senior Wages Clerk, has retired after over 8 years in Accounts. Chief Accountant Brian Handley gave her the best wishes of her many friends and colleagues. (B)



Betty Read has retired from GSD where she has been since 1971 (IND) as Assembler. Previously Betty was with TACD/FCD. She got a rousing send-off and a big bouquet from her friends. (A)



Ted Herbert has retired after 30 years with the company, most of which have been spent in Planning. In his early days he was in Aviation Division and AEI, but when that Division amalgamated with FID Ted moved to IND, where he has stayed right through to the present GSD. Chief Production Engineer Kevin Forrest handed over an electric mower to help with one of Ted's main hobbies, gardening.



Sports and Social Club round up

GAV/BP Kent Club Swimming Section Sponsored Swim

In aid of H.I.P.S. (Help in Plasters & Splints), Medway Hospital, Gillingham.

H.I.P.S. are trying to raise £15,000 to purchase a scanner to use mainly for detecting congenital hip disease in babies. The use of a scanner will save young babies being in plaster from the hip to the toes, the plaster being in place for 6 months.

At the end of September the children and adults from Adult Lessons, Mother & Baby Classes, Childrens Lessons,

Squad Training & Lifesaving were sponsored in support of H.I.P.S.

Mother & Baby (ages 1 to 5 years) swam lengths or widths, some with armbands. Childrens Width lessons (ages 5 to 7 years) swam widths. Childrens Lengths lessons (ages 7 to 11 years) swam lengths. Squad Training (ages 8 to 16 years) swam lengths. Adults lessons swam lengths and the

Lifesaving Group swam either lengths or a lifesaving tow.

A total of 76 swimmers took part - 58 children and 18 adults. The youngest child was Faye Smith who is not yet a year old, the oldest being Henry Redgewell, a young 76 years old. Four club staff took part - both lifeguards and 2 Groundspersons. One Management Committee

member took part and tried very hard to swim a mile in 30 minutes. The time limit was 30 minutes.

A donation was received from Hoo Young Wives in payment for a lecture on Resuscitation from our principal lifesaving teacher - Mrs. Denise Dutton. A donation was also received from the GAV/BP Club.

Continued overleaf

Continuation of Page 7

Our guests for the evening of Wednesday 2nd November from H.I.P.S. were: Mr. J. Beavis Consultant Surgeon, Mrs. K. Beavis, Mrs. Avril Nuttall Chairperson of H.I.P.S., Sister N. Clark, Nurse A. Fossey and Mr. & Mrs. B. Strathdecock.
A cheque for £2,300 was presented to Mr. Beavis by Denise Dutton. With the proceeds of a toy raffle and interest the final figure was £2,410.

The Section's other guest was Mr. Tony Mills, Manager of the Strood Branch of The Leeds Building Society, who presented Nicola Holt with her R.L.S.S. Aquagold Award.
Mr. Mills was also giving away sports bags to anyone who opened an account with the Leeds with as little as £1 00.
Mr. J. Beavis also presented "Matey Bubble Bath" awards

to children who had completed their Award. The age for the Award is from 3 years to 6 years.
Bouquets of flowers were presented to Mrs. Beavis, Mrs. Nuttall and Sister Clark.
Cyril Moffett, Swimming Section Chairman, thanked all the children and adults who took part. Cyril also thanked Mr. Colin Newman who helped organise the sponsored swim,

organised the sponsor forms and ran the Toy Raffle which raised £62. A very special thankyou was given to Denise Dutton who made all the arrangements with H.I.P.S. and Tony Mills. Denise also organised the Mother & Baby and Lifesaving sponsored swims. Colin and Denise also did Lifesaving Tow for the sponsored swim.
On display was "Resus Junior" the Swimming

Section's latest piece of lifesaving equipment, for which Denise thanked the Club Management Committee for their assistance and support.
The children's entertainer for the evening was "Mr. Pickles" who did a very good magic act that was very popular with the children - and also the adults!
Last year the Swimming Section's annual sponsored swim was for the Special Care

Baby Unit at All Saints Hospital and raised £750. This year's event for H.I.P.S. raised £2,410, a remarkable achievement. It should be interesting to see what the children and adults achieve next year.
Cyril Moffett
Chairman, Swimming Section.
Photos by Alan Keats.
(see colour pages)

Club-House attractions

DECEMBER

Friday 23rd
MUSIC IN THE BAR
with
JOANNE ASHLEY
8 pm

Saturday 24th
CHRISTMAS EVE DANCE
with
"TANGENT"
7.45 - 11.45pm
Guest tickets sold out

SWIMMING POOL
Open 11 - 1 pm
ONLY

BAR OPEN
11-2pm & 6-11.30pm

CLUB CLOSED
2 - 6 pm

ALL OTHER FACILITIES
OPEN 10 - 2 pm
ONLY

Sunday 25th
CHRISTMAS DAY
Bar Open from Noon - 2pm ONLY
All other facilities closed

JANUARY

Monday 26th
BOXING DAY
Bar open from Noon - 2pm ONLY
All other facilities closed

Tuesday 27th - Friday 30th inclusive
ALL FACILITIES OPEN AS USUAL

Saturday 31st
NEW YEAR'S EVE DANCE
with
"SPIRAL"
8.15 - 1am

SWIMMING POOL
Open 11 - 3 pm ONLY

BAR OPEN
11-2pm & 6-12.45pm

ALL OTHER FACILITIES
OPEN 10 - 2 pm ONLY

Saturday 7th
CHILDRENS' GALA AND SPLASH SWIMMING SECTION

Friday 13th
MUSIC IN THE BAR "DEJA VU"

Friday 20th
MUSIC IN THE BAR "COCKNEY PRIDE"

Friday 27th
MUSIC IN THE BAR "VENDETTA"

FEBRUARY

Friday 3rd
CHILDRENS' DISCO
with
PHIL ASHLEY

Saturday 4th
DANCE
with
"SPIRAL"
8 - 11 pm

Friday 10th
MUSIC IN THE BAR "THE BUILDERS"

Saturday 11th
ST. VALENTINE'S DANCE
with
"MESCALERO"

Friday 17th
MUSIC IN THE BAR "JOANNE ASHLEY"

Friday 24th
MUSIC IN THE BAR "FRENCH KISSES"

GAV/BP Kent Club SWIMMING SECTION ANNUAL GALA/ SPLASH AND DISCO

The Swimming Section invites children of ALL Club Members to a Swimming Gala, Splash and Disco to be held at the GAV/BP CLUB POOL on Saturday 7 January 1989

A party tea will be provided and Father Christmas is expected to present a small gift to all Gala and Splash Entrants. The Gala will start at 2.30 pm (All entrants report at 2 pm). The Splash will start at 2.30 pm. The Splash is for young or inexperienced swimmers who can swim two widths (very young with armbands if required) or one length. The tea, Prizegiving and Disco will be held in the Club Ballroom. Tea from about 5.30 pm, Prizegiving from about 6 pm and Disco from 7 pm until 10 pm.

(Age at 7 January 1989)

SPLASH - Boys and Girls of any age 2 widths or 1 length

Group 1 - Boys and Girls under 10 1 length (25 yards)

Group 2 - Boys and Girls 11 & 12 2 lengths (50 yards)

Group 3 - Boys and Girls 13 & 14 2 lengths (50 yards)

Group 4 - Boys and Girls 15 & 16 2 lengths (50 yards)

ENTRY FORM

Please enter my child in the following events:

Breaststroke Backstroke Freestyle

Splash (two widths) Splash (one length)

Child's Surname
with
Christian Name Club No.

Date of Birth
Signed (Parent/Guardian)

Date
Address
Tel. No. (Home)

(Work)

Please send entry forms to Dave Jubb, ADD Engineering or Cyril Moffett, PSD Production.

Further Information Contact:
Dave Jubb, ADD, 3907
Cyril Moffett, PSD, 4241

GEC AVIONICS/BP KENT SOCIAL CLUB, HOO

7th Annual General Meeting

Thursday 9 February 1989

NOTE
CHANGE OF DATE TO
THURS 9 FEB
at 8pm

GAV/BP KENT CLUB ELECTION 1989

Nomination for Ordinary Member of the MANAGEMENT COMMITTEE (four vacant seats for GAV employees)

Candidate's Name (please print) _____

 Club No. _____
 Date _____
 Proposer's Signature _____
 Club No. _____
 Second's Signature _____
 Club No. _____

This Nomination paper is issued subject to Clause 5(a)(iv) of the Constitution and Rule 3. Nomination Papers must reach the Club Secretary by 31 December 1988.

1	2	3	4	5	6	7
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	13	14	15		16	
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Crossword No. 94 For amusement only

ACROSS

- It was found on Christmas Day. (9-6)
- Treatment that sounds quiet. (4-4)
- A mere ---- ghostlike. (6)
- Crowds in disorderly array. (4)
- Hall and half spill. (5-5)
- As one gets older our bones do. (5)
- A U.S. State known as a musical. (8)
- The 24th has just been held. (6)
- A blasted place for witches. (5)
- Race of a deer country. (10)
- In the distance. (4)
- A province of much distress. (6)
- Banter in later years. (8)
- Result of sudden temper. (3-3-3-6)

DOWN

- Bright, hard and glossy, a motor car's trim. (6)
- Front blown in direction. (9)
- Sometimes called redundant. (4)
- The difference between, sides of page. (6)
- When the white stuff falls, it appears as. (9)
- Haughty, high and mighty. (5)
- Twenty four hours squared. (3-2-3)
- What the purlier places. (5)
- A kind of poplar with tremulous leaves. (5-4)
- Gone too far. (3-2-4)
- Exaggerated pathos. (3-5)
- Get together for fun and pleasure. (5)
- Feeble minded senility. (6)
- A gentle wind up. (6)
- Trial of bullion for fineness. (5)
- Eager, greedy (Rev). (4)

Solution to Crossword No. 93

Across

- Play up and look big. 8.
- Pudence. 9.
- Insect. 11.
- High. 12.
- Steam radio. 13.
- Atlas. 15.
- Cash down. 16.
- Uprising. 20.
- Spice. 23.
- Square root. 25.
- Beit. 27.
- Insect. 28.
- Beltime. 29.
- Norby a long chafk.

Down

- 1 and 17. Put the question. 2.
- Youngster. 3.
- Peel. 4.
- Nicely. 5.
- Ownership. 6.
- Bread. 7.
- Get going. 10.
- Fatal. 14.
- Assuredly. 16.
- Orchestra. 17.
- (see 1 down).
- City. 21.
- Modern. 22.
- Streak. 24.
- Upset. 26.
- Zinc.

REAPER CLUB

The November meeting was not so well attended as others have been of late, but the spirit of happiness and pleasure was still in evidence. The business meeting brought forth the announcement that for 1989, the membership subscription would be increased to £2 per member.

Several new members were welcomed, and accepted the acclamation.

The Entertainment by the GEC Avionics Brass Band, was again of a very high order. The Soloists excelled, and small groups who moved down among the members were an added attraction to a well balanced, wonderfully performed and appreciated programme.

CHESS PROBLEM SOLUTION

There seems to be no sense in playing 1 Bc5! To shut out the Queen - especially when it is seen that the Black King has been given a second flight-square at d5. All that was called for was a simple waiting move to preserve the mates for all the Black moves in the diagrammed position. Try 1 Bb7 and 1... Sbd1 (to give the Black King a flight-square at d3) fails White. The combattel 1 Bc5! has delighted solvers since 1886.

KEYED UP

Key 1 Bc5! Waiting
1... Kd5 2 Sc3 mate
1... Kc3 2 Qd1 mate
1... B random 2 Qxc4 mate
1... Bd5! 2 Qd1 mate
1... S any 2 Sc3 mate

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

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