

NEXT ISSUE

There are plans for a colour supplement as a souvenir of the Open Days in ADD and ISD, also ADD's participation in the Queen's Award presentation to Electro-Optical Surveillance Division at Basildon.

IT'S ALL HAPPENING IN ADD!

The Queen's Award Presentation

Friday 16 October

In the early hours of this Friday, at the height of the storm, many felt that the day's presentation of the Queen's Award might not be able to happen. Fortunately, (then) Divisional Manager Robin Sleight, masterminding the day's programme, was able to reach the factory, and very shortly afterwards the senior management decision to go ahead was confirmed. Emergency services were functioning and the factory was operating fairly normally, including the all-important canteen staff so that the luncheon for ADD's guests was available, as well as the usual facilities.

It happened that the only real damage was to ADD territory in Tower 3 (see pictures on page 2), and the people unable to work in the area for safety reasons were asked to help finish preparations for the ceremony in the Conference Suite and Dining

Room. Works Engineering who would normally do this were more than amply occupied elsewhere.

Contingency plans were started to cover the non-arrival of the Lord Lieutenant, and of the Bishop of Rochester who might have been asked to officiate as the Queen's representative. However, after cancellation of the early parts of the programme including factory tours, the Lord Lieutenant arrived safe and sound, although nearly 90 minutes late, and the day's main event was able to start. Understandably many guests were absent, and your Editor, trapped at home by a great amount of fallen timber, is unable to give a first hand account - this is now being prepared by a member of ADD and will appear in the next issue, with full picture coverage of the Open Day which followed.

Witnessed by local Mayors, MPs, representatives of the local community, customers, sub-contractors and many ADD and GAV people, Her Majesty's Lord Lieutenant for the County of Kent, Robin Leigh-Pemberton, presented the Emblem of the Queen's Award for Export which was accepted by Martin Redfern, Principal Systems Engineer, and the Grant of Appointment by Donald 'Mac' McNalty, Assistant Chief of Test, on behalf of the company and their colleagues in the Division.

This Award represents three "firsts" for Airborne Display Division. It is the first time a division rather than the company as a whole has received the Export award,



AIRBORNE DISPLAY DIVISION

it is the first Division to have been cited three times, and the first Division to be cited for both Export and Technological Achievement in the same year (this last one being in conjunction with Electro-Optical Surveillance Division, Basildon, and the Royal Aircraft Establishment, Farnborough).



After the presentation - (l-r) Martin Redfern, 'Mac' McNalty, the Lord Lieutenant, and the Chairman, Sir Michael Beetham.

...And a new Divisional Manager too



Keith Snelling

On 2 November, **Keith Snelling** took over as ADD's DM from Robin Sleight.

In Keith's previous division, CACD, **Simon Frost** is appointed Divisional Manager.



Simon Frost

Also, in Flight Controls Division, **Ray Dennis** is promoted to succeed Brian Tucker as Divisional Manager, with **Andy Hills** as Technical Manager.

The Opening of Falcon Building

Wednesday 4 November was the occasion for the formal opening of ADD's facility for Holographic Optics, purpose built to manufacture the combiners for HUDs in the \$72m production order for the General Dynamics F-16 Fighting Falcon aircraft, and elements for other programmes.

Peter Levene, Chief of Defence Procurement, was invited by Ron Howard at the ceremony to switch on a specially designed hologram now permanently displayed

on a wall in Falcon. In his speech, Mr. Levene congratulated GAV on their technological success in the development of holographics, turning a scientific curiosity into a commercial success - they can be justly proud of the technical skills which have achieved this.

Before the opening, Mr. Levene, having arrived by helicopter, received a briefing on the company's activities and made a short tour of ISD, ADD, GSD, and passed through MASD to



As they passed through GSD, Mr. Levene and his Military Advisor Capt. Scourse RN (right) saw preparatory work in the generation of data for airborne Digital Maps, explained by John Spinks and Robin Sleight.

reach Falcon Building. There, he saw a private display of ADD's capabilities in holographics with a glimpse into the super-clean production area, later seeing an

exhibition with the other guests in the Conference Room. Afterwards he spoke with news and TV correspondents, before lunching as guest of honour of the Chair-

man and management, also the Mayors of Rochester and Gillingham and other local dignitaries, with company and divisional managers as hosts.

More on the 1000th SCADC

The formal handover to the USAF and US Navy on 9 October included a spectacular 'presentation' by ISD 'actors' and a professional narrator, Philip Talbot. In the

nearly hour-long performance which was based round a multi-screen 'video wall' of TV monitors, a programme prepared by Don Short's Audio-Visual unit in

"no time at all" showed all aspects of the SCADC concept and the people involved in it. "The Team Producing the Goods" as Ron Howard put it. In his speech afterwards leading up to the handover to Col Shulstad, he introduced many names of people who had been so closely involved in the seven-year programme. Past the

setbacks and frustrations, in a manner which puts us among the front runners for aerospace activity into the 21st century. And he departed from his script to call someone before the audience of local dignitaries and sub-contractors to the SCADC programme, with their company hosts, "A great regular guy - Fred Mackley".

Fred responded, "it's easy to be a leader for the magnificent team I have".

See Page 8 for the Full Cast List

\$10 million US order for ATED

See Page 8

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

After the hurricane ...

The ruins of our beloved Kent countryside and the property damage and loss of services endured by so many employees, were of more immediate concern than the comparatively minor damage to the factory. Once again the community spirit came to the fore among those affected at their homes. But for the record, here are the Tower 3 offices blown in, and the low-flying bike racks at their final resting place on the security barrier.



Nailsea's Dunchurch Run

A team of three runners from Nailsea competed in the second GEC half marathon held at Dunchurch on 5 September. The event attracted over 600 runners representing in excess of 170 teams.

The day turned out to be wet and windy, and running was hampered by surface water on the roads. Nevertheless, the team acquitted

themselves well.

The team finished in 12th position and individual positions were 27th Len Horlock (RSD) – this also placed him 9th in the Veteran (Over 40) category, 41st Chris Bastow (PCSD), 194th Mick Bibby (RSD). The overall winner was Dave Fudge who also led his team Marconi Defence Systems, Portsmouth, to victory.

Three days later the same runners plus three others competed in the Sun Life Business House race in Bristol over 5 miles, and in a field of over 2000 runners, Len Horlock finished 69th (and 13th veteran) and Chris Bastow 165th, backed up by Mick Bibby and Neil Court (RSD) in 565th and 528th. The team finished in 62nd position.

Suggestion of the Year

The newly inaugurated Award for the Suggestion Scheme's 'Best of the Year' carries Prize Money of £500. The contest was strong and this year's award has been divided – Ron Howard presented the winners with their shares at a ceremony attended by the winners, their supervisors, and company QA staff. He was host afterwards at an informal buffet in the Lounge Bar.

The first prize went to **Periathambi Veerappan**, QA Technician in AS&RD. Veera's suggestion was very

simple, very cheap, and thus the essence of a good proposal.

It solved a long-standing problem on a BAC1-11 system. An unstable mag-amp unit was cured by physically reversing a transformer. This now saves large amounts of servicing time, and Veera was presented with £300 and a Shield, which is now on display in Towers Reception.

Second equal award was to **Graham Hollands**, Senior Applications Engineer, AT&ED, for a suggestion of a computer programme for auto-analysis

of a failed channel, with a £100 prize. The other second equal award was shared by **Kevin Everest**, Tester, and **Stephen Easterbrook**, Inspector, of CACD. This was for eliminating potential damage when testing switch lamps, on a CSAS/AFDS computer box.

While making the awards, Ron Howard commented that he is keen to give good rewards for worthwhile suggestions – we are best in the business but we must stay there!

Marc's Gold Award

At a recent ceremony in Rochester Corn Exchange, the Deputy Chief Constable of Kent presented the Duke of Edinburgh's Award to a large number of local young people. Among them was **Marc Roberts**, who received the only Gold Award on that occasion.

Marc is a Senior Development Engineer in ADD, having joined the company 4 years ago straight from Reading University where he completed his Degree in Electrical and Electronic Engineering. Sponsored by the Fiveways Leisure Centre near Luton Arches, Marc completed the five sections earning him his 'Gold' over a period of some months; the Bronze and Silver Awards were achieved at his Andover home town.

Among the tasks undertaken were, in the Physical category, squash at the Hoo Clubhouse; Service with the Conservation Volunteers in Maidstone where he now lives, and his Expedition was in the Yorkshire Dales. The picture shows him during this 50 mile 4 day-3 night trek. His hobby, which he continues together with his conservation interest, was Wargaming. Marc's wife is also doing the 'Gold', hoping to finish next year.

And Marc? "It's the sense of achievement, both what I gained and what I gave, which is exciting," he said.



More trainees receive congratulations on qualifying

Apprentices who recently completed training and joined divisions are

Stephen Cat'chpole	CACD Drawing Office
Glen Hillsley	ISD Production Engineering
Catherine Bloore	ISD Logistics
Sally Murphy	ISD Drawing Office
Graham Packham	ADD Engineering
Brian Perry	ISD Engineering
Beverley Waddell	MASD Drawing Office
Leighton Tether	ADD Test
Iain Wilkinson	ADD Inspection
David Banks	ISD Wiring
Carl Musson	GSD Test
Kevin Picot	GSD Test

Also, Commercial Trainee Jon Roots has finished his course and is now Commercial Assistant in GSD.



Ron Howard's congratulations to Veera.

Charity for Medway

Medway athletes Paul Nihill and Lynn Hughes have formed a non-profit-making charity organisation which is to be known as **Charity for Medway**. The purpose of the organisation will be to promote and raise funds solely for local charities.

Paul and Lynn have in the past been associated with several local charitable events including last year's successful Medway Sport Aid Run which raised over £30,000 for the Ethiopian famine.

Charity for Medway's first event is a 2½ mile fun run on Sunday 22 November, starting at 11.00 a.m. This run which is open to anyone, will be held in conjunction with the established Rochester Half-Marathon which takes place the same day.

Both runs start off in Medway Street, Chatham, almost opposite the Pentagon entrance in Military Road. The fun run is being sponsored by the Black Horse Life Assurance who have their offices in Mountbatten House which overlooks the start.

Medals will be presented to all finishers in the fun run and those wishing to take part can obtain entry forms by sending a stamped addressed envelope to Paul Nihill, 28 Larkfield Avenue, Gillingham, or get them

direct from Lynn Hughes Sports, 293 High Street, Chatham. The entry fees are £2.00 for adults and £1.00 for under 16 year olds.

Next summer Charity for Medway are planning a mammoth three mile/six mile charity run which it is hoped will be the biggest fun run ever held in the Medway Towns. All competitors will be timed though the organisers stress that the main purpose of the run is not to find out who is the fastest but to raise money. Medals will be presented to all finishers and there will be various other prizes awarded to certain categories within the event such as youngest, oldest and best fancy dress, etc.

Charity for Medway hope that all local charities will use their events for fund raising activities, the advantage being that they will be able to save their own time and money by leaving the organisation to Charity for Medway. "Charity begins at home" so the saying goes and that is why Charity for Medway was formed and with this in mind, Paul and Lynn are hopeful of being in a position to help deserving local charities.

Anyone wishing to help out on the day are welcome to contact Lynn Hughes, Medway 47055 (daytime) or Paul Nihill, Medway 50293 (evenings), or in-ATED Ext. 3639.

CHESS PROBLEM

Problem No. 13
White to play and mate in two moves.



Solution to Problem No. 12

THOROUGHLY MODERN MÊLÉE

Key 1 Bg1! (threat 2 Qx4 mate)

1... Sb5 2 Sb4 (A), 2 Sd4 (B) and 2 Qg2 (C) mate

1... Sd3 2 Sb4 (A) and 2 Sd4 (B) mate

1... Se6 2 Sb4 (A) and 2 Qg2 (C) mate

1... Sc6 2 Sd4 (B) and 2 Qg2 (C) mate

1... Se6 2 Sb4 (A) mate

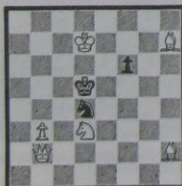
1... Sc2 2 Sd4 (B) mate

1... Sd5 2 Qg2 (C) mate

1... Sxb3 2 Qx3 mate

This and our previous problem both show a Black Knight wheel yet they make a startling contrast. Here, the composer shows every possible combination of three mates A, B and C.

Near miraculously, the seven moves of the Black Knight force combinations ABC, AB, AC, BC, A, B and C—the eighth move forcing a distinct mate 2 Qx5. This is combinative separation.



Dr. O'Kane retires

Dr. B. J. O'Kane CBE, PhD, B.Eng., C.Eng., M.IEE was Chairman of GEC Avionics Limited (then Marconi Avionics Limited – a GEC-Marconi Electronics company) from 1971 to 1982. Since 1982 Dr O'Kane has been Consultant to the Board.

Bernard John O'Kane joined Research Laboratories of the General Electric Company in 1935, was transferred on loan to the Telecommunications (now the Royal Signals and Radar) Research Establishment, Malvern from 1941 to 1945, and became Chief Engineer of International Airadio Ltd before joining the Marconi Company in 1952 as Chief Air Radio Engineer. He managed the Aeronautical Division (1959-1965) and was General Manager (Electronics) of the Marconi Company until 1969, when he was appointed Managing Director of Marconi-Elliott Avionic Systems Limited, becoming Chairman in 1971.

He was one of the founder members of the European Organisation for Civil Aviation and Electronics (EUROCAE), its first Chairman (1963-1966), President (1966-1968) and



At a gathering of friends and colleagues in the Lounge Bar, Dr O'Kane received gifts from Jack Pateman on their behalf.

Honorary President in 1968. He was President of the Electronics Engineering Association (EEA) from 1971 to 1973. A member of the Aeronautical Research Council (ARC) from 1968 to 1971, he is currently a Council member

of the EEA, and is one of the UK members of the Electromagnetic Compatibility Sectoral Group. Dr O'Kane, who lives in Harrow, Middlesex was awarded the CBE in the 1974 New Year's Honours List. When awarded the British

Gold Medal of the Royal Aeronautical Society in 1977, he was the first ever recipient from the avionics industry.

We wish Dr O'Kane well in his retirement.

The Art of Science and the Science of Art

Colin Everiss, sponsored by GEC Avionics, has completed a two year joint course with the Department of Mechanical Engineering of Imperial College of Science and Technology and the Department of Industrial Design, Royal College of Art, London, and has been awarded both a Masters Degree in Industrial Design Engineering and a Diploma of Membership of Imperial College (DIC).

The course gave students from engineering or science backgrounds the opportunity to develop latent skills in design creativity and performance and to integrate these with inventive aspects of engineering design.

During the final year Colin concentrated his efforts on a remotely controlled 'Gimballed Stereo Camera' project for use in a nuclear reactor. The project was carried out in liaison with FARL, and used an interactive arrangement of stepping motors and gearing, to minimise the size and weight of the unit. The prototype model built and tested during the year was finally developed into a further design which was again built to a high standard.

Both models were displayed and demonstrated to many people, including HRH The Prince of Wales, during the Royal College of Art Degree Show during July 1987.

"I have found the freedom

of thought encouraged and carried out at the Royal College of Art a true asset. Whilst the prototype model first solved many engineering problems, the aesthetics applied in the final concept not only made it pleasing to look at but served a purpose in fulfilling the final engineering solution," says Colin.

"Whilst Imperial College's reputation goes before itself, students at the Royal College of Art can and do produce products that would be the envy of many a manufacturer. To share two years with some of the potentially best young designers this country is producing!

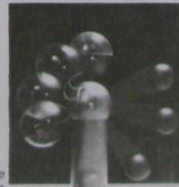
"The encouragement and support I have been given by GAV during my two years has resulted in a design capable of development for use in Nuclear Reactor Inspection and in many other areas.

"Many people have contributed their time and effort to which I am particularly grateful and wish to acknowledge, especially at FARL."

Colin joined ATE Division in 1975 and transferred to Combat Aircraft Controls Division in 1984, which he rejoined on completion of his course. He is now working as a Principal Engineer within the rapidly developing CACD Pilot's Control Sticks and Throttles Team, where he is able to take full advantage of his two year course.



Colin with his completed Stereo Camera.



This shows the wide range of articulation of the device in its housing.

GEC Avionics 1987 Second Year Award Scheme Presentations

On Friday 4 September, 20 Final Year Engineering Undergraduates from Universities and Polytechnics as far apart as Lancaster and Portsmouth assembled to receive their GEC Avionics prizes which were presented by John Colston, then Assistant General Manager.

This annual event, organised by John Neate of the Personnel Department and designed to strengthen links with Engineering Depart-

ments in Universities, was attended by academic staff from the winning colleges and representatives from GEC Avionics Engineering teams.

Our picture shows the successful students assembled with John Colston and John Ainley, Personnel Manager.

We wish these students good luck in their final year and look forward to seeing them join us as graduates in 1988.



The Second Year Award Scheme, which involves selection of suitable students by 'adoption' of a particular University or Polytechnic by divisions, brings the opportunity of vacation work in the division and a cash prize of £150 to the successful candidates.

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 **Shaun Cairns** of Essex University. In the picture he is seen receiving his award cheque from John Colston.

On his return from Atlanta, Shaun wrote an account of his visit and his impressions of the USA, for GAv News. Here it is:

My Visit 'Stateside'

To write about your travels in another country is not very easy, particularly where the country is the USA. Surely though after such a sharp shock as arriving late on Saturday night and finding your own way to the hotel ready to start work at 08.30 on Monday, you become aware (even through the jet lag), if not gaining an empathy for yourself, of the situation, environment and the people into which you have found yourself thrust.

The first comment I can make is on the people. The image of the 'Yank', as over sexed, over paid and over here" (here being England), I felt was immediately shattered. For the statement presents an image of a 'libertine' society where the buck rules and nothing else. Although it is very much the case that the buck does rule (just count the number of fast food places per square mile), the statement of a 'libertine' society requires expansion. For I thought that on every street I would see gun fights and people being mugged.

(Even though I nearly got mugged myself in a large multi-storey car park at about 1.30 a.m. on a Saturday, after being to one of, indeed the wildest, discos I have ever been to.) Yet I did not see anything which could not have taken place on any large city street. In fact I found the people and thus the society (in Atlanta anyway) very warm, open and friendly, even the poorest of people. I say that because I went to one of the poorest areas of Atlanta by chance and the area happened to be mainly black in its populace. Yet on walking into a Jazz and Blues bar and finding myself the only white man in the place, I wondered if 'everybody' was friendly!! On replying to their question "What the ... are you doing here, white man?", by telling them (them being a man of about 6'6" and 200lbs+), that I like Jazz and Blues (you do find yourself liking lots of things at times like that - life is one of them!!). Upon hearing this with my English accent, they must have

realized I meant nobody harm, after all I am only 5'7". They became very friendly and the night turned out to be one of the best. I know I was very lucky. In New York I may not have been so lucky, but in Atlanta everyone seems friendly (don't worry, they have their prats, I met some of them).

The one thing that really came through from everybody was the strong moral code. Subjectively different from ours and between high and low social/economic levels within their society granted, but still very strong and largely driven by the home and religion. I don't mean commercial or the TV-type religion. This I feel has resulted in the people being

aware of the personal value and goals, but not everyone being able and/or willing to achieve them. As in all societies. Yet they are not restricted to their own goals (people visiting New York may have different views) but the goals and image of their city and ultimately their country. For everytime I met someone new, the same questions: "How do you like Atlanta?", "How do you like the US?", "Are you enjoying yourself?" These questions were enhanced when they found out I was English.

I would say Americans seem to like most visitors to their land. After all they are used to a wide melting pot of different people but the English (from my

experience) are held with a special fondness. Maybe they see England as their mother-land. Whatever the reason, they like anything English, to the point where Reebok shoes were sold on the grounds as being English made and they have Renaissance Festivals. This being where they recreate a period of English history. The one I went to was Henry VIII period. To see how someone else views your history, particularly when it's made commercial, was not only interesting, it was hilarious. There were all these people dressed in period costume, speaking in a pseudo English accent and me with a strong northern accent. Upon speaking to one of these people, they replied "How long did it take you to learn that accent and where did you learn it?", but there was worse to come. A competition was run to see who could read a piece of work with the best English accent. I lost!! I did not even come in the top ten!! I view the event as putting a race horse up against a load of donkeys in the Derby. The person who won sounded something akin to a Cockney

with a bad throat. Whatever the result, it was fun to see and hear the Americans' view of England. Described at this event as Ye Good Olde England! They do like us, but do we like them? On coming back to England, I wonder.

Since I basically went to Atlanta to work, I obviously made comparisons between Rochester and the Atlanta site. To say the two sites are part of the same Company, there are just differences, given that each provides a different function within the Company structure. The Atlanta site is hi-tech with modular offices and it is very clean, due to the site being newer and not geared to production. The number of people working there is about 300, 25 of whom are British. As a result of this low number, everybody knows everyone. This has advantages and disadvantages. It also means that Security know most people on the site and on the first day they would not let me in until someone from Personnel came to get me. To be honest they would not let me in twice while I was there because I forgot my ID badge.



Downtown Atlanta - not always as traffic free as this, but it was Sunday morning!

The one big difference between the Rochester site and Atlanta seems to be the attitude and relationship between everyone. There were no visible signs (but I'm sure there were somewhere) of the 'them and us' syndrome. By this I mean when the Engineers were asked to work three shifts a day, split between them, there was none of the up-roar which I would have expected, but it was on the lines of "why?, when?," and "what do we get out of it?". Due to the small size of the plant, there was no need for people to clock in and out. Thus people were coming at all times of the day as long as they were in for core time. It also meant that people took

lunch hours (depending on the department) which may have been over the stated time and they just made it up. The system seemed very much like flexitime. The system worked well for everyone until the work was running behind and then like anywhere there was trouble. I would not say the Engineers worked any harder than here but because of the open plan office they tended to work quieter. Yet, every hour or so, little groups of people would have an 'out of work chat'. It took about 10 days to get used to how quiet the place was. Here in England there is always noise due to more people. In fact Atlanta office is so quiet in its location (beautiful grounds with two

lakes) and the open plan office scheme, that within the roof there are noise generators providing a low background hiss. If it was not there, I was assured, people would go mad after a few weeks because of the quietness. Like any Company, more time is spent with bureaucracy than with real Engineering but in Atlanta there seems to be less. In fact there seems to be a lot more here than Atlanta (due to size?). Possibly due to this, I feel that the Atlanta site is more dynamic, more willing and able to change than here. Some may say that's the American way, whatever the reason there did seem to be a lot of things going on. After only one month of

work in the USA, I can well understand why some Engineers from Britain leave to work there. The pay (in real terms) is better, the environment and working practices too. Yet perhaps the overriding factor is there are far more opportunities for one to progress out there, even if you don't have high flying qualifications. My Project Manager had only a pass Degree and was in charge of about 15 Engineers. All he had done was leave England and work hard. I am not saying everyone gets to the top, but from my limited time there it seemed easier. Some may not agree? I suppose I can't say that the Atlanta office is 'typical' of all American offices, but there were

many attributes which were very appealing to a young Engineer. Even by saying that, I don't know if I could live and work out there, after all I was a guest and as such my circumstances were different to 'normal' Engineers. Yet whatever my circumstances, I enjoyed myself a great deal and if I meet anyone else who

is thinking of going to the US, to work and/or visit, I would say there is nowhere else quite like it and I would hope you leave it as I did—with fond memories, friends, opinions changed and enhanced, but a strong desire to go back and see and understand more of the American Dream and its people.

Shaun Cairns, now 23, lives in Cleckheaton, Yorks. and has now started the third year of his Electronic Engineering course at Essex. He qualified for this course through City and Guilds Electronic Servicing and BTec National Diploma in Electrical and Electronic Engineering at colleges near his home, and

has also found time for keeping up his rugby football with the university team. He has achieved success at national award level for drumming in the Marching Band activity, also achieving second best among the national field commander contestants, in 1985. And karate, running, and his guitar.

'SMOKING AT WORK'

A number of our employees have suggested that the Company should consider the introduction of a Smoking Policy with the objective of establishing a healthy environment for all employees.

The effect of passive smoking on non-smokers at work has emerged in recent years as an important issue, raising questions of how to reconcile the interests of smokers and non-smokers in the workplace.

To ensure that the views of company employees are known prior to the formulation of such a policy, a questionnaire has been prepared regarding smoking at work. If you wish to express your opinions please complete the questionnaire and return it to Miss Stott, Welfare Officer, Personnel Department by 7th December 1987.

1 Which of these phrases best describes your own view about smoking at your place of work?

Tick one

Smoking should not be allowed	
There should be separate areas where smoking is permitted	
Smoking should be allowed in all areas	
Don't know	

2 What do you prefer in the areas where people work together?

Tick 1st and 2nd preference

	1st	2nd
No restrictions on smoking		
Smoking and non-smoking working areas		
No smoking except at break times		
Total ban on smoking in working areas		
Other (please specify)		

3 What do you prefer in the following areas?

Tick one in each line

	No restrictions	Separate areas	Total ban
Reception areas			
Corridors/concourse			
Meeting rooms			
Restaurant/canteen			
Tea bars			
Snack bar			
Lounge bar			
Lifts			
Toilets			
Libraries			
Official vehicles			

4 At meetings, which do you prefer?

Tick one

No restrictions on smoking	
Smoking breaks	
Majority decision	
No smoking unless all agree	
Total ban on smoking	

5 Which of the following best describes your working area?

Tick one

Private office	
Shared office	
Open-plan office	
Workshop	
Shop floor	
Laboratory	
Clean area	
Super clean area	
Other (please specify)	

6 Which of the following describes you best?

Tick one

I am a smoker who wants to give up	
I am a smoker who doesn't want to give up	
I am an ex-smoker	
I am a non-smoker	

7 Is smoking permitted in your work area?

Yes	
No	

8 Are you bothered by tobacco smoke at work?

Yes	
No	

9 If you are bothered by smoke at work, how does it affect you?

Tick any that apply

Worries about effect on long-term health	
Eye irritation	
Headache	
Coughing	
Stuffy or runny nose	
Breathing difficulty	
Loss of concentration	
Clothes and hair smell	
Other (please specify)	

10 Have you ever had to move away from where you were working because of other people's smoke?

Frequently	
Occasionally	
Never	

Thank you for completing this questionnaire. Please add any comments here.

Please return it to: Julie Stott, Personnel Dept. by 7th December.

For smokers only

Non-smokers please go to the end of the questionnaire

11 Do you smoke in your working area?

Yes	
No	

12 Would you smoke less, or stop, if you could not smoke in your working area?

Yes	
No	

13 What would it be like for you if you could not smoke at all during working hours?

Very easy	
Easy	
Difficult	
Very difficult	

14 Would you use help to give up smoking if it were offered at work?

Yes	
No	

**Ron Howard
Managing Director**



**A newly-
team
newly-o
comp**

**Assistant
Managing Directors**

Displays and Guidance Systems



John Spinks, BSc(Hons) Mathematics, CEng, MRAeS, qualified at Queen Mary College, and has now built up 25 years' experience in avionics development and management. Initially engaged in Air Data System design, he became responsible for the Engineering Department of Instrument Systems Division in 1968 and was responsible for diversification of the business into high integrity Stores Management Systems. As Deputy Divisional Manager of ISD he was assigned special responsibilities for the development of subsea wellhead control systems and was appointed to the same position in Flight Controls Division in 1978. He was appointed Divisional Manager of CACD upon its formation in 1979, and throughout his career has been actively involved in a wide range of programmes in the

US including the Lockheed C-5A, Cobra ADS and the Boeing 747 Autothrottle. John was appointed Divisional Manager of ADD in January 1983 at the same time as the announcement that ADD had been awarded the F-16 C/D HUD and LANTIRN contracts. In 1985, following the successful completion of these projects, John was appointed Assistant General Manager and later General Manager within the Navigation Group.

He has a special interest in Design and Production Automation which is currently embracing the broader aspects of Information Technology.

A keen but sporadic golfer, John lives with his wife, Sylvia, and daughters, Katherine and Rachel, in Loose Village, south of Maidstone.

Controls and



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General Managers



Robin Sleight, BSc Aeronautical Engineering, initially worked as an Aerodynamicist at Weybridge, prior to joining the Company at Borehamwood in 1961 as a Systems Engineer in Military Aircraft Control Division.

He came to ADD in 1964 shortly prior to the acquisition of the Head Up Display interests of Rank Cintel. ADD in 1964 consisted of a dozen people and the division initially led a nomadic life, being based at Lower Sydenham (SE London) for two years, before the acquisition of major US programmes in the late 1960s settled it

at Rochester and triggered the growth process to make it what it is today. Robin also spent two years in charge of the Company's office in Dallas/Fort Worth overseeing the introduction of our Head Up Displays into the A7 aircraft followed by three years in IND as Project Manager, prior to becoming Technical Manager of ADD in 1975.

In 1984 he was appointed Divisional Manager and has been responsible for the great build up of ADD's production programmes. He lives in Maidstone and has two children.



John Cole graduated from Bristol in Industries followed by telecomm John's Leader in his group's generative technique During the ATE before as Project and later

This period saw ISD greatly expand addition of the Offshore Oil Production Stores Management and Air Data act In 1983 John became Divisional Ma

**Reporting to
Managing Director**



Jerry Fisher, AFC MRAeS, joined the RAF from his London home in 1961, training as a pilot at RAF Cranwell and serving 20 years, flying Canberras in Cyprus and Singapore, Phantoms in UK and Germany including a two year exchange tour with the German Air Force. After a one year course at the US Navy Test Pilot School Jerry served as a test pilot at RAE Farnborough for three years on a wide range of aircraft and helicopters. He was also

responsible for the Hunter experimental night attack trials, using much GAV display equipment, and starting the use of night vision goggles on fixed wing fighter aircraft. In 1981 he left the RAF and joined ADD as Assistant Sales Manager, later becoming Sales Manager and Marketing Executive. During his four years in ADD he initiated the

development of Cats' Eyes NVG, and set up the Cheap Night, Quick Night, and Real Night NVG trials with the US Marine Corps and US Navy; these trials led to the AV-8B, A-6F, and F-18 production programmes.

In 1985 Jerry became Marketing Executive for the Navigation Group, retaining his interest in NV systems.

He is married with three children and lives in Hawkhurst. Jerry reports direct to Ron Howard and is responsible for ensuring that the company's overall marketing activities are optimised and co-ordinated to the fullest extent world wide within the GEC-Marconi Group.



John Clover joined Company in 1958 as an apprentice and later then Flight Instrument Assistant. This was development of the Modular Air Data M the BAC-111, C-5A aircraft.

John moved to P 1966 as a Product and began what he as a 17-year appre becoming Product of ISD in 1984. He left GAV for a few months return this year as Group Production Executive, and I post reports directly to Ron Howard and is responsible for co-ordinating and ensuring that the company production activities meet the needs of our busi

Reformed management for a reorganised company

New Finance Director for GEC Avionics

Timothy Venables is joining the board of GEC Avionics Limited at Rochester as Finance Director, having previously been Financial Director, Group Board, of Oceanics Group plc. He now reports to Ron Howard.
Mr. Venables takes up the position vacated by David Rickard, one of four Directors from GEC Avionics who have been appointed to the Board of the recently-formed GEC-Marconi Group.
From 1979 to 1984 Mr. Venables was Financial Director and Deputy to the Managing Director of MEL, a Division of Philips Electronic and Associated Industries Ltd.
Tim Venables FCIS, FInstD, MBIM, is married and lives in East Grinstead.

Instrument Systems

Ray Reese, MA, graduated in natural sciences from St. John's College, Cambridge in 1952, and following a post-graduate training course with IIT, joined the Company in 1955 as a Senior Engineer in Military Automatic Flight Controls, subsequently becoming Chief Engineer responsible for all combat aircraft, RPV and V-STOL flight controls systems.
Promoted to Divisional Manager in 1967, he has successfully managed four divisions with experience of Engine Instruments, Air Data, Stores Management, Inertial Navigation, Automatic Test

Equipment and Flight Controls Systems business.
In 1984 he was made Assistant General Manager, responsible for four Divisions producing Flight Controls, Engine Controls, Air Data and Stores Management Systems.
Promoted to General Manager in March 1987, he is now Assistant Managing Director with responsibility for the Controls and Instruments group of Divisions.
Ray is married with two sons and a daughter and his main interests are in flying, gliding and veterans' Rugby Football.

Surveillance and Civil Systems



David Clews, CEng, MRaES, came to Rochester in 1964 from RRE (now RSRE). His first responsibility was to lead the design of the Pitch axis autopilot for Concorde. In all he spent eight years on the Concorde programme including leading a team of Elliott/SFENA consortium on Flight Tests in Toulouse and was programme manager from 1969 to 1972 when he was appointed Engineering Manager in TACD. In December 1972 he was appointed Technical Manager in MASD as Programme Manager for AQS 901. 1978 saw his promotion to Divisional Manager of IND. He returned to MASD as Divisional Manager in 1980 and moved to FCD in 1982. In 1984 he was appointed Group Manager New Projects, a role which brought him in contact with many divisions. Earlier this year he spent a short tour at Borehamwood site and is currently temporarily located in Los Angeles following the acquisition of Astronics and Developmental Sciences. David lives with his wife Rita at Penenden Heath, Maidstone.

John Spinks, BSc(Hons), MIEE, CEng, after graduating in Electrical Engineering at University of London in 1960, joined Associated Electrical Industries as a graduate apprentice and spent the next six years in electronic communications research and development. He joined the Company in 1968 as a Project Engineer where, over the next four years, he pioneered many of the digital symbol processing, display and data transmission systems now part of our current products. He spent time with ADD and joined the newly formed PSD in 1972 as Manager, becoming Chief Engineer of Technical Manager.
He has led the development of digital technology and brought the Instrument Control Systems to the established divisions. He is currently Manager of ISD and over the next four years

led the expansion of its export business, dominated by the Standard Central Air Data Computer contract and the doubling of the Division's size to its current 600 staff.
John's new appointment follows serving as an Assistant General Manager since last April. He believes that success in the Company is based on the selection of strong and dedicated teams and he is currently watching enthusiastically the development of the Micro-System group within ISD which he recently transferred from Radlett.
John is a keen DIY man, frustrated builder, car mechanic, rugby watcher, private pilot, fell walker, once-a-year golfer, and much more, but admits that "work" has a habit of always getting the priority. John lives in Gravesend, is married to Joan, a teacher and has a daughter, Carolyn and a son, Christopher.



Bob Wilkinson joined Airborne Computing Division at Borehamwood in 1967 to work on Head Up Displays, moved to Rochester with the Division in 1969 and became involved with the Central Tactical System for Nimrod Mk I.
Bob was a founder member of Maritime Aircraft Systems Division in 1973 when it was formed to undertake the acoustic processor AQS 901 for Nimrod Mk II, subsequently being appointed Divisional Manager.

Assistant General Managers



Bob Eves, since joining the Company in 1968 from AEI Woolwich where he was a Telecommunications Engineer, has enjoyed a most interesting and successful career with the Company performing various roles primarily aimed towards our American Markets. His roles include - Program Manager, Engineering Manager, Production Manager, leading to Program Management Executive where he was responsible for the launch of the F-16 C/D HUD program immediately prior to becoming Technical Manager of ADD. There followed an assignment at Borehamwood and he returned to Rochester early this year. In his new post Bob reports to John Spinks and is responsible for providing programme management assistance to all GAV product divisions.



Brian Tucker joined the company in 1970 after graduating, from Queens University Belfast, in Physics.
Throughout his career he has been involved in the company's civil aircraft flight controls activities on programmes such as the BAC 1-11, Concorde, Boeing 747, Airbus and the next generation of Boeing aircraft. In addition he has been heavily involved in the Phoenix programme as both Technical Manager and Divisional Manager of FCD.
Brian is married with two children and lives locally in Walderslade. Among many outside interests he plays golf when time permits.

\$10 million US Order placed for Automatic Test Equipment

GEC Avionics has received a \$10 million order for automatic test equipment (ATE), for use by the United States Air Force and Navy. The advanced equipment will be used in repair depots throughout the United States to service a new range of aircraft computers, also made by GAV.

The equipment to be designed and manufactured by ATED will meet the latest officially-published USAF guidelines for automatic testing. The USAF concept, known as MATE (Modular Automatic Test Equipment) will achieve cost savings through standardisation.

ATED is to fulfil the contract with a modular design, the operation of which is based on its commercially-successful ORION ATE. Versions of ORION are used in ISD's production facility to test the same range of SCADC which will re-equip 39 different types of USAF and USN aircraft.

This background, a long-term study of US services' maintenance requirements and the fact that over 40 ORION ATE systems have been built for widespread applications, enabled the MATE-compatible design to offer advantages in delivery, performance and total-life cost.

ATED will start delivering the initial batch of three ATE early in 1989. The ATE will test 5 types of computer as line-replaceable units (LRUs) and their 22 different types of sub-assembly, SRUs (Shop-replaceable units).

ATED first supplied computer-controlled ATE to the United States in the 1970s, for use on ships and in land-based depots. The company continues to support these products in their current use.

The new ATE hardware comprises a digital controller based on the latest MIL-STD-1750 instruction

set architecture, computer peripherals and facilities for manometric testing (including a unique atmosphere generator) and analogue

and high speed serial digital signals, including MIL-STD-1553 data highway and simulated synchro-generated signals.

Test software, known as MATE ATLAS, is a subset of IEEE 716 C/ATLAS. System software is to MIL-STD-1589 Jovial (J73).



ATED SCADC progress meeting for first MATE test system. (Left to Right) Roy Saunders, Project Leader Application Software; Karen Gunning, Application Software Engineer; Jim Walker, Project Leader Manometrics; (Standing) Mick Mills, Program Manager, SCADC MATE Test System; Tracy Jackson, Software Engineer; and Bob Mates, Project Leader.

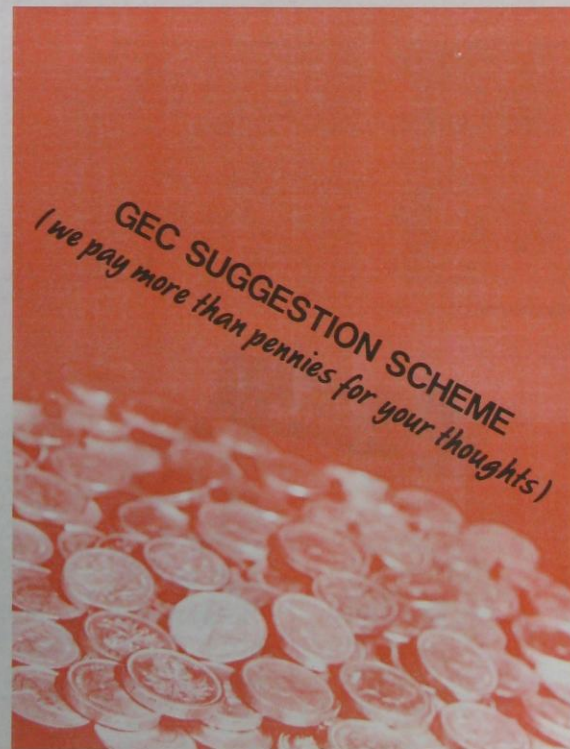


The ATED Standard Central Air Data Computer Engineering Team led by 'Mick' Mills is to design and develop the first MATE Test sub system to be produced outside the USA.

Continued from Page 1

"SCADC 1000" – the credits

Video Presentation:	Don Short GEC Avionics Audio Visual Unit ISD SCADC Team																
The 'actors' from Instrument Systems Division:	<table border="0"> <tr> <td>Peter Beetlestone</td> <td>Design Engineer</td> </tr> <tr> <td>Dave Silsbey</td> <td>Technical Manager</td> </tr> <tr> <td>Lee Tribe</td> <td>Senior Buyer</td> </tr> <tr> <td>Pip Huckstepp</td> <td>Methods/Tooling Engineer</td> </tr> <tr> <td>Alan Reid</td> <td>Foreman</td> </tr> <tr> <td>Neil Wolford</td> <td>Senior Q. A. Engineer</td> </tr> <tr> <td>Helen Cooksey</td> <td>Contracts Officer</td> </tr> <tr> <td>and John Stallwood</td> <td>Production Director</td> </tr> </table>	Peter Beetlestone	Design Engineer	Dave Silsbey	Technical Manager	Lee Tribe	Senior Buyer	Pip Huckstepp	Methods/Tooling Engineer	Alan Reid	Foreman	Neil Wolford	Senior Q. A. Engineer	Helen Cooksey	Contracts Officer	and John Stallwood	Production Director
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Helen Cooksey	Contracts Officer																
and John Stallwood	Production Director																
Narrator:	Phillp Talbot Philip Talbot Associates																
Static Display:	Keith Greenfield ISD Technical Publications and Pat Szalay Wireperson, pushed the trolley																



www.rochesteravionicarchives.co.uk

25 years' service

Brian Patrickson of ADD started work in 1955 with Londex (now a GEC company), with day release for ONC/HNC. By 1962 he was with Rank Cintel in Lewisham – another. After working on the ill-fated TSR2 he went on to many one-off and trials installations, from atomic submarines to the space shuttle.

Most recently, for over 8 years, he has been commuting to China (over 30 visits) on the F-7M HUD supply and license contracts, as Project Leader. Some of the highlights he recalls are being put under armed guard in China, catching malaria in India, being stranded (at about -40°C) in Alaska, meeting moon-walking astronaut John Young falling in an attempt to walk on the Sea of Galilee, as well as managing the successful technology transfer setting up a HUD production line in China. Not to mention the one occasion every 300 years when he has his office blown to bits in a hurricane – probably his weight training came in useful here. In summary, he says, a pretty uneventful 25 years!

Here, Robin Sleight hands over a presentation camera. (A)



Brian Cobbold, an ex-company apprentice from the days when one served 5 years, is now Project Leader in CACD. He has gained promotion from TA in the 'control' divisions, and worked on many major projects right through from Harrier PDS and the original Tornado proposals. Outside interests for Brian are photography, cricket – and computers – but he doesn't play hockey any more.

Brian, seen here with his wife Ann, received a camera for his long service presentation, from Keith Snelling. (B)



Dick Marshall joined the Company from Marconi's, Chelmsford, where he had previously been working on microwave telecommunication links. Initially he was employed by IND, but in less than a year had transferred to ATED. His stay in ATE was rather longer, during which time he became Project Leader for the A7 (SSE) ATE and in 1974 became Project Manager for the AI Radar ATE. In 1982 he moved on to the Tornado programme and has worked on that until early this year when he transferred to MASD as Project Manager responsible for training aids in the Product Support Department. His interests include golf, natural history, photography and Italy. The one regret he has concerning the move to MASD is that the standard of golf in his new division is so high that he will never play in the inter-divisional matches again!

Dick's 25 year presentation was a Wedgwood tea service presented by Laurie Hampson. (A)

Fred Arney of GSD was once a Steward in the Merchant Navy but had to come ashore in 1960 and started with this company in IND Machine Shop. He has passed through MACD, and 20 years in CMS, but has been Estimator in GSD since last year. Fred's leisure time is spent on model engineering, photography and winemaking among others. Bob Ruggles presented him with a carriage clock. (A)



Jim Birkenshaw, Engineering Manager in ISD, was the first Student Apprentice to join the company after the big move to Rochester, and has worked in several divisions in his 25 years. Many years were in IND on the Polaris and Jaguar projects, also NCS1. This led to a move to Gyro division, where he later became Project Manager on Spearfish. There was a short period in MASD and in 1984 Jim took up his present position, responsible for a range of air data products including ejection seat sequencers.

His home with his wife and 2 children is in Wigmore. Fred Mackley, Divisional Manager, handed over the silver tea set here displayed. (A)



CACD Principal Engineer **Mike Rogerson** was a Royal Ordnance apprentice and gained first his HNC, then an Honours degree in Mechanical Engineering at Durham University, before joining TACD. By 1967 he was Project Leader, and in 1970 he moved to MACD. To CACD in 1980, and Mike was promoted to his present post in 1984. Over the years he has been on the BAC1-11, C-5A, YC-14 and Sea Harrier teams.

Keith Snelling handed over a set of crystal glassware, as well as relating some anecdotes about the early days on BAC1-11 trials. (B)



Ian Whitehouse, Technical Manager ADD, is regarded as one of the world class key figures in HUD technology. This has become so over the years since he joined the company straight from Birmingham University as a Mathematician, quickly transferring to the embryonic Displays group. Ian's career included the semi-compulsory spell at Sydenham, and he finally arrived back at Rochester in 1967. Ian's role in the development of HUD/weapon aiming systems is especially significant, as is his contribution to the development of advanced configuration HUD systems, especially LANTIRN.

Here Ian is seen with his wife Ruth after his presentation which was by John Spinks. (A)



Dave Hussey, Group Systems Executive GAV, is another of the senior engineers who have made a major contribution to the activities of ADD, although recently he has been 'elsewhere' and now is in company management.

Dave came to the company at Borehamwood in ACD having served apprenticeship with Vickers Armstrong and gained a Master's degree at Cambridge. By 1966 he was Project Leader here, and played a major part in obtaining the contract for A-7 HUD, which project he managed when ADD was formed. By 1974 he was Engineering Manager, 1975 Marketing Executive, and in 1982 he moved to MASD as Technical Manager. In 1984 to Gyro Division as Deputy DM and Marketing Manager, and on the formation of GSD he was Deputy DM until taking up his present post in 1987. (A)



Mike Harris joined MAC Division in 1962 as a Technical Assistant after having served an apprenticeship in a GPO radio station. He first worked on test equipment and later became involved with flight trials at RAE Bedford. After the transition from MACD to FCD to CACD, Mike is currently a Senior Development Engineer in the PDS section with responsibilities for the Harrier, Buccaneer, Phantom, VC10 and Lightning flight control systems, some of which he has known since the early days. Outside interests include DIY projects, sport and gardening.

Seen here with his wife Judith, Mike was presented with a Canteen of Cutlery by his Divisional Manager, Keith Snelling. (B)



Continued overleaf

Stan Payne Senior QA Engineer in ADD, lived in South Wales before he was called up for 4 years in the RAF, where he was a Radar Filter on Coastal Command Sutherland. Demob was followed by 7 years with STC and 8 with Plessey, then in 1962 he became one of the Rank Cintel people at Sydenham who later came to Rochester as part of ADD. Stan has been one of the QA stalwarts over the years, with involvement in most of the major projects from Buccaneer onwards. His interests include Hi-fi, astronomy and – electronics.

Stan's presentation of a camera was by Robin Sleight. (A)



Chief Instructor **Derek Nicholls**, having started on the production floor in ISD, has in fact been in Training for almost all of his service. His moves have been more to do with the many changes of location of Electronics Training activities – Flying School, Hut 11, The Brook where now the Pentagon stands, and finally Hopewell Drive. Training for electronics has vastly expanded and now includes apprentices as well as adults, as well as people about to be sent 'into the field'. Derek also teaches two evenings a week. A football follower, gardener, and collector, he has recently become a very proud grandfather. He receives here his presentation clock from Training Services Manager David Perry. (B)



Dennis Chantler's 25 years includes his apprenticeship here, which he started as Technician and was promoted to Student. Then he was Production Engineer in TACD/FCD and in 1976 was promoted to Chief Production Engineer in Gyro division. And since 1984 Dennis has been Chief Production Engineer in GSD. He still finds time for flying on the company scheme, DIY, gardening, for relaxation there is reading, and for holidays – camping.

His wife Jose with whom he is seen here used to work in Fishers. Dennis was presented with a canteen of cutlery by Bob Ruggles. (B)



Retirements

We wish a long and happy retirement to the employees pictured here who have recently retired.

Peter Keay, congratulated by Ron Howard on 40 years' service, much of it in IND and for the last eight years as Consultant. Peter has now gone to live in Tasmania.



Ralph Bates with his wife Raymonde. Ralph has been Cost Controller, GAv, since 1972 and in his earlier years with the company was in MACD.



John Walliker of the GAv Purchasing Co-ordination team, with his wife Pat and Tony Bremner. Well over 30 years in Buying!



Andy Hand, IND's Head of Technical Publications, was thanked by Technical Manager Dave Powell for his 20 years of service in that department.



Eric Holland, Fitter on Assembly in ATED, receives a presentation clock from Les Prettyjohn.



Norma Crick received gifts from Arthur Colwell to whom she was Confidential Secretary in ATED.



Ron Farrer's farewell presentation by Production Manager Stan Wells. Ron has worked most recently in CACD's Embodiment Lower Stores, to round off 13 years, much of which was as Project Admin. Officer.



Leo Posnes, Wireperson in PSD, with gifts from his friends and colleagues.



Retirement presentation photographs taken recently of Eileen Green, Laurie Crowhurst and Dons Marshall will be included in next month's issue.



GAv/BP Kent Club Swimming Section

Presentation Evening

Held at the Club House on 16 September 1987

Sponsored Swim

In aid of the Oliver Fisher Special Care Baby Unit, All Saints Hospital, Chatham. Cyril Moffett writes:

Our guest was Mrs. Maureen Stanney who is a member of the fund raising committee of the Baby Unit.

50 children and adults took part in the swim. They each swam for 30 minutes according to their ability.

Babies did jumping into the pool, young children (ages 2 to 5) swam widths (10 yards) with armbands; children (ages 5 to 7 approx.) swam widths, older children and adults swam lengths (25 yards).

Our lifesaving teachers towed each other up and down the pool! Total sum raised was:

£750.00

The Swimming Section awarded a prize of £5 to the child who raised the most money. The winner was Graham Dutton, age 2, who raised £40.00. As Graham himself was in the Special Care Unit, he gave his prize to Mrs. Stanney as a donation to the Special Care Unit.

Mrs. Stanney said the efforts of the children were fantastic and she asked me to thank the participants, organisers and all who donated money. On behalf of the Swimming Section committee, teachers, coaches and helpers I would like to say how proud and grateful we all are for the splendid effort to raise so much money for such a worthwhile local charity.

Everyone who took part received a certificate donated by The Leeds Building Society. My personal thanks to Mrs. Denise Dutton for her splendid calligraphy work on the certificates. Mrs. Dutton is also one of the club's lifeguards.



Mrs. Maureen Stanney with the winner of the largest sponsor award, 2 year old Graham Dutton.



Graham Dutton, aided by Cyril Moffett, presents Mrs. Maureen Stanney with the cheque.

Photographs courtesy of Alan Keats.

R.L.S.S. Bronze Medallion (General)

This is the basic qualification of a lifeguard.

Mandy Atkinson age 14 and Lisa Strike age 15 were presented with their medallions by Denise Dutton.



R.L.S.S. Bronze Medallion Presentation. Left to right: Mrs. Connie Gilbey, Miss Mandy Atkinson, Mrs. Denise Dutton, Miss Lisa Strike and Mr. Colin Newman.

R.L.S.S. AquaGold Award

This is a series of 15 separate tests involving personal survival and life saving. Our latest recipient was Martin Holt age 13.

Sterling work by our teachers Denise Dutton, Colin Newman and Connie Gilbey.



Mr. Tony Mills of The Leeds Building Society, sponsors of the R.L.S.S. AquaGold Award, congratulates 13 year old Martin Holt on his success.

Leeds Building Society

The Leeds sponsors the R.L.S.S. AquaGold award and each winner receives a certificate, badge, a free sports bag and an account for £5. Our guest was Mr. Tony Mills, manager of The Leeds Strood branch. Any member who opened an account with The Leeds with as little as £1.00 received a free sports bag; on the evening some 50 accounts were opened. Tony also brought a video on life saving and the Swimming Section

brought the 'Water Babies' video - both of which were well received.

I would like to thank the club for the use of the ballroom and the company for the use of the video equipment.

The Sponsored Swim was such a success that it was decided to make it an annual event.

Contact

All teaching classes, Cyril Moffett ext. 4241
Improvers and Squad Training, Dave Jibb ext. 3907

GAv/BP Golf Society

The 1987 season has again been very successful but changes must be made for 1988. It is hoped that all members will attend the AGM at the Clubhouse on November 20 starting at 7.15 pm. The two key issues are subscriptions, which must rise by a significant amount if the Society is to remain solvent, and the format of the outings which a number of members wish to change.

Competitions for 1987 are virtually complete. The Alf Harrison Cup was won by the Chairman, John France, after a very tight match against

Keith Barton which went to the 20th. John has been trying since 1971 to win this event which he regards as the premier competition in the Society. He reached the final in 1974 but this is the first time he has won so he is obviously delighted.

The doubles competition has proved to be even more competitive. In the final Brian Walker and John Key were level after 27 holes against Dave Humphrey and Colin Pack when bad light stopped play. They are waiting for the course to recover from storm damage before trying again to reach a result.



REAPER CLUB

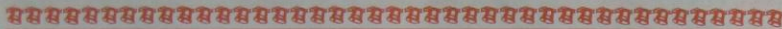
Your correspondent has been unable to contribute on recent meetings, due to sickness and holidays preventing his attendance.

The September meeting, I hear, was a very good effort, members taking part freely in the Cake Competition. The skills displayed caused some close finishes.

In October, besides the business meeting, taking names

for the Christmas Dinner, Bingo, and general chit-chat, we were entertained in a most delightful and professional manner, by the Newington Concert Party. The singing was superb, as was the choice of items, and the sketch was acted well, with a dedication that delighted the audience.

We are now looking forward to the November meeting, when the Works Band will once more entertain.

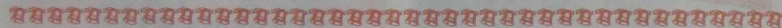


Christmas Dance

in the
Main Canteen, Airport Works
Saturday 19th December
8.00 p.m. – 1.00 a.m.

Tickets £5 Incl. Buffet from Social Club Office

Johnny Howard Band
'Misty'
David Copperfield
Comedian



NOVEMBER

Friday 20th
Music in the Bar
"Cockney
Pride"
8 p.m.

Saturday 21st
Angling Section
Disco
"Planet 9
Roadshow"
7.45 – 11.45 p.m.

Friday 27th
Sub Aqua Section
Christmas Dance
"State Line"
7.45 – 12.15 a.m.
Bar till midnight

DECEMBER

Friday 4th
Music in the Bar
"French
Kisses"
8 p.m.

Saturday 5th
Dance with
"SAHARA"
8 p.m.

Wednesday 9th
BP Kent
Christmas Dinner

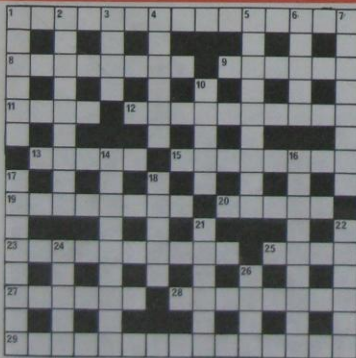
Friday 11th
GEC Avionics
Athletic Club
"DINNER DANCE"
Tickets from
Len Murphy, Ext. 3893
£8

Saturday 12th
OLD TIME
MUSIC HALL
8 p.m.

and for
your diaries

Christmas Eve
Dance
New Year's
Eve Dance

Friday 18th
FCD Annual
Dinner Dance
"Happy Daze"
Saturday 19th
SOCCER SECTION
ANNUAL DANCE



Crossword No. 87

For amusement only

Across

- Punishment for seafarers. (7-3-5)
- Pointing the way to save getting lost. (8)
- West Bromwich, perhaps. (6)
- A remainder. (4)
- The bond of deep paternal feelings. (6-4)
- The Ides of ... (5)
- An infamous female spy. (4-4)
- Respectable tradesman with license. (8)
- The original of a Hymn. (5)

- Vermin destroyer. (3-7)
- Shock or result of blow. (4)
- A natural act to infant, causes pain. (6)
- The virtue which men are supposed to lack. (8)
- Minute addition to a mass. (1-4-2-3-5)

Down

- How one of wisdom should act. (6)
- A succulent joint of meat. (3-2-4)
- Many little rascals. (4)

- Excessive talker (slang). (3-3)
- Time of idyllic leisure. (5-4)
- Being somewhere else. (5)
- What a Coronation confers on male. (8)
- A form of bed. (5)
- Where bulls should not go. (5-4)
- Suddenly, instantly. (3-2-4)
- D'Oyly Carte creation? (8)
- The angler's reward. (5)
- Shortened pal of cherubim. (6)
- Sea bird has it. (6)
- Belonging to others. (5)
- A local "new" village. (4)

Solution to Crossword No. 86

Across
1. Gone to the bad; 10. Hosea; 11. Over to you; 12. Cassandra; 13. Turin; 14. Acumen; 16. Scabbard; 18. Sidewalk; 20. Crusoe; 23. Roles; 24. Chalfreht; 26. Entrances; 27. Aorta; 28. Dilatoriness.

Down
2. Oasis; 3. Emanate; 4. Ovoids; 5. Hierarchy; 6. Bath tub; 7. Day dreams; 8. Shock-absorber; 9. Turned her head; 15. Un diluted; 17. Black cat; 19. Wassail; 21. Refrain; 22. Hawser; 25. Narks.

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