



MOTTO FOR THE MONTH

'History is philosophy derived from examples.'



CHRISTMAS REFLECTIONS

Even as I write this I hear people talking in the streets, in the shops, in their homes, about getting ready for Christmas. I expect you're doing the same; arranging parties, dinners, dances, theatre outings, presents etc., all the things that lead up to that climax, the morning of Christmas.

The real climax isn't of course the result of all these preparations. The real climax is in what God is saying to us about this event. If we don't see beyond parties and spree and gifts; if we miss what God is saying to us then we have missed the REAL Christmas.

Let me remind you, as I remind myself, of two quite simple things that the Gospel tries to tell us about Christmas. The first is that this Jesus was a human person. We're so apt to often put haloes around him. Consider just how human he was . . . a baby, subject to cold and hazard, disease and disaster and death. As someone has remarked, here was one who came into life with a cry and, as we know, left it with a cry. Hilare Belloc reminds us of this in his poem:

*When Jesus Christ, was four years old,
The angels brought him toys of gold,
Which no man ever had bought or sold,
And yet with these he would not play,
He made him small fowl out of clay,
And blessed them till they flew away:
Tu creasti Domine.*

Because he is so human no one need feel that they are dealing with a stranger. No one need say 'I can't understand him.' A very tiny child can look at this Jesus and happily sing 'Away in a manger'. A growing boy or girl looking steadily at him can recognize a heroic youth. A grown man or woman can look at him and know that here is one who comes to meet them in all the problems of life. An old person near the end of life can look at the way he died and find strength therein. God came as a human person so that, as humans, we should look at Him and recognize Him — in a baby, in a youth, in a young man who loved life so much that he never wanted to leave it.

The second thing is a question of the mind. Why did He come? Perhaps if we look at why we give things at Christmas we may find a clue here. Why do we give? We give gifts because we like those to whom we give very much, we love them and when they receive our gifts we are glad. So God gave us Jesus. Why? Because He loves us and wanted to say this to us. Another poem by a man called Hilton Young puts it this way:

*A boy was born at Bethlehem
That knew the haunts of Galilee,
He wandered on Mount Lebanon
And learned to love each forest tree.
But I was born at Marlborough,
And love the homely faces there;
And for all other men besides
'Tis little love I have to spare.
I should not mind to die for them,
My own dear downs, my comrades true;
But that great heart of Bethlehem,
He died for men he never knew.*

Christmas is above all a remembering of this, that God comes to us as a human being and does so to show us His love. This is the way He speaks to us about Himself. Shall I be able to hear Him in Christmas 1981? Or will the clink of glasses and bottles and the noise of crackers and laughter, or perhaps even the distant roll of war-drums, drown Him out?

Christian Commentary

Our contributor this year is Reverend H.G. Ross, the Minister of St. Margaret's Church, Church of Scotland, Paget Street, Gillingham.

This is a thriving Christian community, the members of which are either exiles from north of the border, or have connections with Scots and Scotland, yet they are not exclusive; they offer a sincere, warm and friendly welcome to any who would care to join with them.



A very happy and satisfying Christmastide to all employees

Birdstrike - Presentation



Arthur Colwell, Divisional Manager ADD, is seen here receiving the 'Plaque' presented by Major Eric Kiener of United States Air Force together with Staff Ellis and Brian Riggall on 28 September 1981.

Birdstrike is not a union dispute by birds, neither is it a

young wives withdrawal from their marriage responsibilities or deposits from low flying birds, it is in fact one of the many dangerous hazards facing pilots in modern aircraft.

Readers who, in their more energetic days, rode bicycles from time to time experienced a bee or fly hitting them on the



face — well imagine a 4 lb bird projected at you at 350 knots! Earlier tests proved that the impact was 60 tons and goes a long way to completely wreck the cockpit canopy and it was during such tests that a United States Air Force General was overheard to say that he didn't know birds could fly that fast!

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AS & R (Flying School), RAS.

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



Contemplation

When the going gets 'tough' and the way seems 'rough', pause awhile, and consider:

HE LEADETH ME!

J.W. Wright

In pastures green? Not always;
sometimes He
Who knoweth best, in kindness
leadeth me
In weary ways where heavy shadows
be.

Out of the sunshine, warm and soft
and bright,
Out of the sunshine, into darkest
night;
I oft would faint with sorrow and
afright.

Only for this: I know He holds my
hand;
So, whether in a green or desert land,
I trust, although I may not
understand.

And by still waters? No, not always
so:
Oft times the heavy tempests round
me blow,
And o're my soul the waves and
billows go.

But when the storm beats loudest,
and I cry
Aloud for help, the Master standeth
by.

And whispers to my soul, "No it is I,"
Above the tempest wild I hear him
say,
"Beyond this darkness lies the perfect
day.

In every path of thine, I lead the
way."
So whether on the hill tops high and
fair
I dwell, or in the sun less valleys
where

The shadows lie, what matter? He is
there.
And more than this; where'er the
pathways head,
He gives to me, no helpless broken
reed.

But this own hand, sufficient for my
need.
So where He leads me, I may safely
go:
And in the blest hereafter, I shall
know,
Why in His wisdom He had led me so.

(By courtesy of Browns Lane News, Portsmouth)

Junior News

Calling all our younger readers! Here is something for you to do over the Christmas weeks — after you've finished playing with all your new toys of course.

Our artist has drawn for us a picture — and we would like you to colour it in, using as many different colours as you can find.

We will award prizes to the ones we think are the best in each of the three age groups as follows: up to 7, ages 8 to 12 and over 12.

Here is another competition you may like to enter: We would like you to write us a letter about how you spent your Christmas holidays. You can tell us about the presents you received, places you have visited or something your little brother or sister did which amused you. Again we will award a prize to the best in each age group and the winners' letters will appear in the February edition of MAV News.

Send your entries to:
MAV News (Competition), Editorial Office, Marconi Avionics Limited, Airport Works, Rochester, Kent. Entries should reach us before 29 January 1982 and please give your name, age and address and the division where a member of your family works.



For our victim this month we feature Dr. Paul Vangasse who is a Project Manager at MAV Nailsea and is responsible for all power supply projects placed with the division.

He graduated from Oxford University in 1970 with an honours degree in physics, and subsequently took up research into magnetic solid-state physics at University College Swansea. From 1973 to 1978 he worked at Marconi Space and Defence Systems on satellites and ground terminals. In 1978 he joined BAE at Bristol where he became Project Team Leader while working on communication networks and avionics telemetry systems. He joined MAV Nailsea in January 1980 as a Project Leader and was involved with high-speed digital processing techniques. Later in 1980 he was promoted to the position of Project Manager of the Power Supplies Group.

He is a family man with four children who keep him fairly active with football, chess, swimming, Rubik's cube etc.

MUSIC

The New World Symphony - Dvořak — this seems an appropriate piece of music. It should encourage me to make something of the castaway island.

Symphony No. 2 in D - Sibelius — this work contains very powerful, majestic music and might reflect aspects of local terrain — mountains, craggy cliffs, rolling seas.

Romeo and Juliet - Prokofiev — no other reason than it is a particularly fine piece of music. Reserved for moments of relaxation.

Sergeant Pepper - Beatles — this would remind me of years gone by — back to college days.

Tabular Rasa - Mike Ockfield — some of the music in this conjures up the image of flight and at least might allow my imagination to escape the island.

BOOKS

Cosmos - Carl Sagan — I expect there will be plenty of time to observe the stars at night and this book would provide a useful companion in considering their nature and ours too, for that matter.

Tinker, Tailor, Soldier, Spy - John Le Carre — I confess to having never completely followed the TV plot of this yarn and a chance to study the book might solve the mystery for me.

Mysterious World - Arthur C. Clarke — strange animals or monuments may be on this forgotten island and Arthur Clarke's work may be of use in understanding them (or keeping well away from them!).

An Atlas - why not? I may build a boat and escape!

Marriage

Brian Hutton, ATED Engineering, married Beryl Gordon on 26 September at Cliffe Road Methodist Church, Strood.

Births

Congratulations to Barbara Moore, formerly a DO Librarian/Clerk in PSD, on the birth of her daughter Lisa. Lisa was born at All Saints Hospital, Chatham, on 6 November and weighed 8lb 9/16oz.



Kitchen Kapers

For the festive season

SHERRY SAUCE

(A tasty sauce for the Christmas pudding).

Ingredients: 1oz butter
1/2 pint water
1/2 oz flour
sugar
3 tablespoons sherry

Method: Melt the butter in a pan, add the flour and cook for a few minutes stirring all the time. Remove pan from heat and stir in water. Return pan to heat and bring mixture to the boil, then simmer for 3 minutes. Add sherry and sugar to taste. Serve hot.

POTTED CHICKEN LIVERS

(Useful as an hors-d'oeuvre or a light supper dish and it will keep for about two days in the refrigerator).

Ingredients: 4oz chicken livers
3oz softened butter
2-4 tablespoons brandy or sherry
pinch cayenne pepper
pinch of powdered thyme
sea salt and freshly ground black pepper to taste

Method: Remove any skin or tissue from the livers and any yellow parts, where the bile has rested. Wash and dry the livers. Heat 1oz butter and gently cook the livers for about 5 minutes until tender — avoid browning. Remove the livers and put them in a liquidizer, or pound them in a mortar. Put the pounded liver, 1oz butter, brandy (or sherry), seasoning, cayenne pepper and thyme into a bowl. Mash or pound together, until well mixed. Pack the mixture into small china glass or earthenware pots. Melt the remaining butter and pour a little over the top of each pot to seal it. Cover with foil or cling film and refrigerate until required. Serve with fingers of wholemeal toast.

BOILED FRUIT CAKE

(This was a popular cake during war-time, as it was economical and kept well, without drying out.)

Ingredients: 1/2 pint water, or preferably cold tea
3oz fat, margarine or lard
3oz sugar
3oz dried fruit
10oz plain flour
3 level teaspoons baking powder
pinch of salt
1 teaspoon mixed spice
1 teaspoon bicarbonate of soda

Method: Put the water or tea, fat, sugar and fruit into a pan and boil together for 2-3 minutes. Allow to cool slightly. Meanwhile, sieve together the dried ingredients and beat well. Pour into a greased and floured 8 inch cake tin. Bake in the centre of the oven at 200°C (400°F, gas mark 6) for about 45 minutes then lower the heat to 190°C (375°F, gas mark 5) for a further 45 minutes.

Marconi Avionics completes delivery of Australia's anti-submarine defence system



Now that all ten Lockheed P-3C Orion maritime patrol aircraft of the Royal Australian Air Force have been equipped with the Marconi Avionics AQS 901 acoustic processing and display system, and the last spare avionics unit has been handed over, an important phase in the anti-submarine defence collaboration between Australia and the United Kingdom has been successfully concluded.

Pictured receiving the last unit from David Clews, Divisional Manager, MASD, is Sqn. Ldr. Lindsey Bennett, the RAAF Site Engineer at the Company's plant. Behind them is a complete AQS 901 installation, for the RAAF Nimrod MR Mk 2 aircraft, containing equipment in common with that of the RAAF P-3C.

During the past five years, engineers and other staff of the

RAAF, RAF, Australian government, UK Ministry of Defence and Marconi Avionics have worked together to develop and prove the AQS 901 system which is the most advanced of its kind in the world. The equipment has been installed on the Orions by the Commonwealth Aircraft Corporation at the RAAF base at Edinburgh Field. The Marconi Avionics AQS 901, the performance of which has been highly praised by the RAAF, enables even the quietest types of deep-diving submarine to be detected, located and identified, making use of any type of sonobuoy, including the very advanced Australian BARRA buoy.

The hand-over of the last AQS 901 unit for the ten P-3C Orions has coincided with the announcement that Australia is now to purchase another ten P-3C types, to replace its P-3Bs.

Another success story

The following is an extract from a telex received by Alan Cochran, Project Leader PSD, sent by Macdonnell Douglas Corporation, Vice-President E. A. Harper, dated 5 November 1981.

1. TODAY WE FLEW THE USMC AV-8B HARRIER 11 FOR THE FIRST TIME. THIS MAIDEN FLIGHT MARKS ANOTHER MAJOR MILESTONE IN MILITARY AVIATION HISTORY.
2. YOUR HARD WORK AND DEDICATED EFFORT IN PRODUCING THE FUEL FLOW TRANSMITTER HAS CONTRIBUTED SUBSTANTIALLY TO THE SUCCESS OF THIS VITAL PROGRAM.
3. MY PERSONAL THANKS TO MARCONI AVIONICS LTD., AND ALL THOSE RESPONSIBLE FOR A JOB WELL DONE.

In June 1981 an order was received for first production option of 12 + 4 (16 off), with possible options for a total of 135 units.



The transmitter, held by a charming engineer.

Marconi Avionics wins key US order for aircraft computers

Standard central air-data computers for US Air Force and Navy

A key contract, to create a new range of standard central air-data computers (SCADC), with which the United States Air Force and Navy will re-equip 27 variants of aircraft they operate, has been won by Marconi Avionics Limited. The \$5 million contract, covering design, development, prototypes, factory test equipment, documentation and flight test support, has been placed by the USAF Aeronautical Systems Division Wright-Patterson Air Base, Ohio.

Marconi Avionics won the contract, against strong competition from the major United States suppliers of air-data systems. The Company's Instrument Systems Division, Rochester, is responsible for the new design, with Marconi Avionics Inc., Atlanta Ga., providing United States local support for compatibility testing and flight evaluation.

The SCADC programme is for up-dating to a common, advanced standard, the great variety of air-data systems of different generations, currently installed on variants of ten types of aircraft. These systems provide the data related to airspeed and altitude which are required for the correct operation of the many kinds of system which are carried on board.

The use of a definitive range of SCADC units, having on average more than 80% of sub-assemblies in common, is to reduce substantially the life-cycle costs of air-data equipment and to achieve demonstrated reliability. The Marconi Avionics SCADC design has cut the range of five SCADC configurations originally planned, to four, thus conferring extra cost-saving benefits. The design also incorporates the latest standards of computer software and data transmission now being specified for United States military aircraft.

The high standard of commonality, never before achieved in equipment of this kind, applies across all 27 variants of the ten

aircraft types, despite the inevitable variety of interfaces with other on-board systems. The ten basic types of aircraft are the Boeing KC 135, General Dynamics F-111, Grumman C-2, E-2 and A-6, Lockheed C-141 and C-5A, McDonnell Douglas A-4 and F-4 and the Vought A-7, representing a total of 6000 in service with US Forces.

The commonality is achieved cost-effectively by means of a modular design, in which pressure transducers, core (standard) electronic modules and power supplies appear unchanged, in different combinations, in each of the four SCADC configurations.

Each SCADC also contains a small number of non-core (unique) electronic modules, which program the computer to meet specialized interface requirements.

The 18 month development programme is for the design and proving of the four configurations, including various mounting trays for fitting them to the 27 aircraft variants. In all, 56 prototypes will be produced, for qualification testing and flight proving.

The flight test programme is to be supported at 12 different USAF and USN bases in the United States, over a period of four months, with a similar period devoted to extended trials with the C-5A Galaxy.

Technical and historical note

Central air-data computers sense pitot and static pressure and total air temperature and compute functions of airspeed, Mach number and altitude. Outputs, in analogue and digital form, are used, typically, for flight instruments, speed and height control, stall-warning, navigation and weapon aiming systems and for parametric gain adjustment in auto-pilots.

ACKNOWLEDGEMENT



BLOOD DONOR SCHEME

On their last visit in October, the Blood Transfusion Service were able to collect a total of 583 units of blood, for which they are deeply grateful. We have been requested to say a 'large thank you', to all who so readily gave their blood. The result was good but more donors are required.

The next visit will be for one week, commencing 22 March 1982, and the appointment card system - used in October - will be in force again. Please make sure you obtain your card and use it as instructed.

IT CAN BE DONE!

Somebody said that it couldn't be done
But, he with a chuckle replied
That maybe it couldn't but he would be one
Who wouldn't say 'No!' 'til he tried -
So he buckled right in, with the trace of a grin
On his face, if he worried - he hid it;
He started to sing as he tackled the thing
That couldn't be done and he did it.

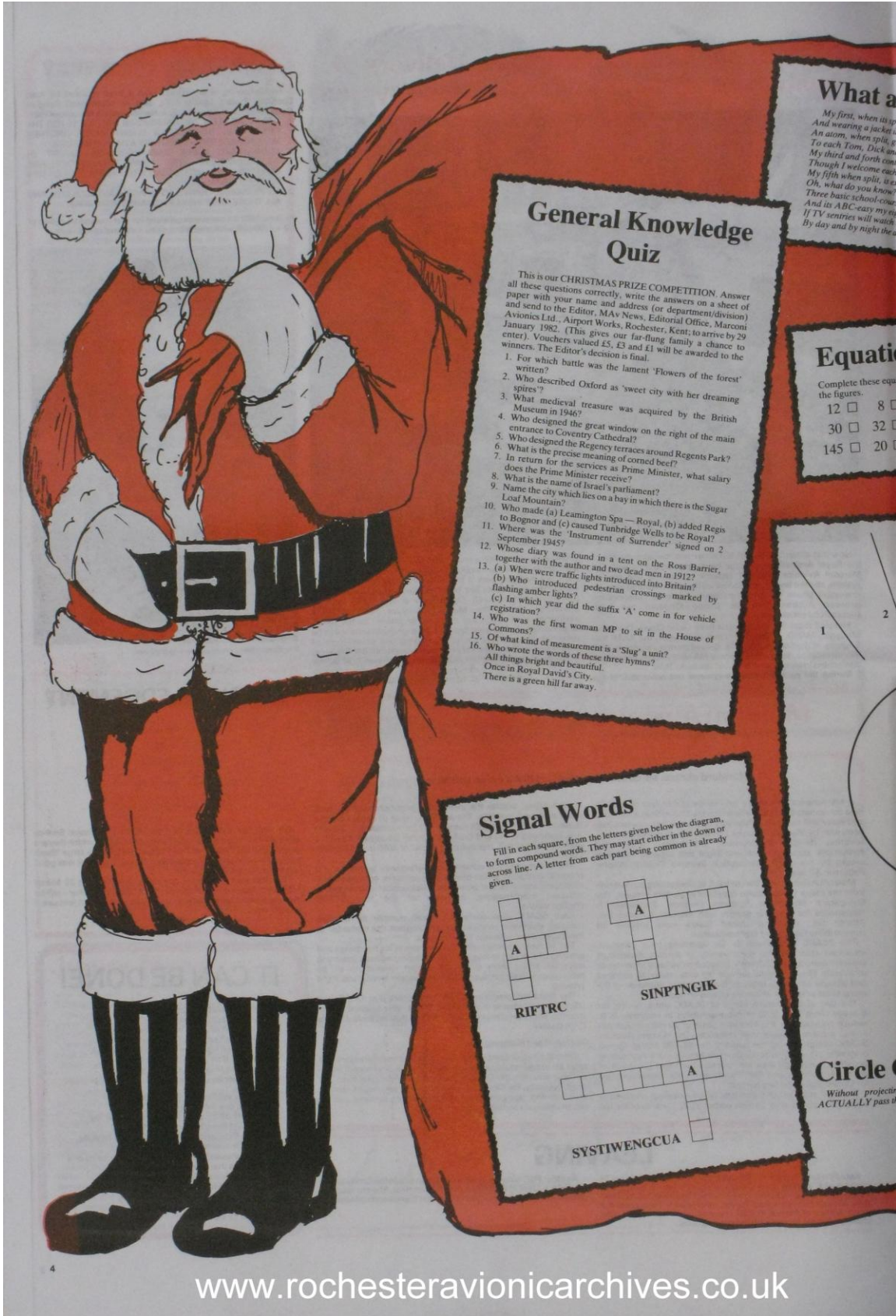
Somebody scoffed 'Oh you'll never do that
At least no one ever has done it;
But he took off his coat, and he took off his hat
And the first thing he knew he'd begun it.
There are thousands to tell you it cannot be done;
There are thousands to prophecy failure;
There are thousands to point out to you, one by one
The dangers that wait to assail you.
But just buckle right in with a bit of a grin,
Throw off your coat and go to it;
Just start to sing as you tackle the thing
That cannot be done -
AND YOU'LL DO IT!

LEAVING

Kate Forrest has left PSD-QA Department where for the past 18 months she worked as a Clerk/Typist, in order to add to her family. Her husband, Kevin, is a Senior QA Engineer in CAD and they already have one son, Trevor, now aged 5. To express the good wishes of friends in PSD she was presented with a gold chain and items for use with the coming baby.

Another PSD employee, who has left to add to the family is Ann Rayfield, a Clerk in the Scheduling Department. She too received gifts of various baby equipment from her friends and colleagues.

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What a
 My first, when its light
 And wearing a jacket it
 An atom, when split, it
 To each Tom, Dick and
 My third and forth come
 Though I welcome each
 My fifth when split, it ex
 Oh, what do you know?
 Three basic school-conn
 And its ABC-easy my
 If TV entries will watch
 By day and by night the a

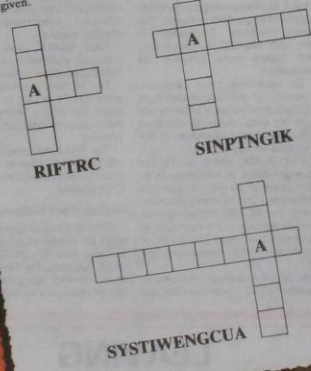
General Knowledge Quiz

- This is our CHRISTMAS PRIZE COMPETITION. Answer all these questions correctly, write the answers on a sheet of paper with your name and address (or department/division) and send to the Editor, MAA News, Editorial Office, Marconi Avionics Ltd., Airport Works, Rochester, Kent, to arrive by 29 January 1982. (This gives our far-flung family a chance to enter). Vouchers valued £5, £3 and £1 will be awarded to winners. The Editor's decision is final.
- For which battle was the lament 'Flowers of the forest' written?
 - Who described Oxford as 'sweet city with her dreaming spires'?
 - What medieval treasure was acquired by the British Museum in 1946?
 - Who designed the great window on the right of the main entrance to Coventry Cathedral?
 - Who designed the Regency terraces around Regents Park?
 - What is the precise meaning of corned beef?
 - In return for the services as Prime Minister, what salary does the Prime Minister receive?
 - What is the name of Israel's parliament?
 - Name the city which lies on a bay in which there is the Sugar Leaf Mountain?
 - Who made (a) Leamington Spa — Royal, (b) added Regis to Bognor and (c) caused Tunbridge Wells to be Royal?
 - Where was the 'Instrument of Surrender' signed on 2 September 1945?
 - Whose diary was found in a tent on the Ross Barrier, together with the author and two dead men in 1912?
 - (a) When were traffic lights introduced into Britain?
 (b) Who introduced pedestrian crossings marked by flashing amber lights?
 (c) In which year did the suffix 'A' come in for vehicle registration?
 - Who was the first woman MP to sit in the House of Commons?
 - Of what kind of measurement is a 'Slug' a unit?
 - Who wrote the words of these three hymns?
 All things bright and beautiful.
 Once in Royal David's City.
 There is a green hill far away.

Equation
 Complete these equa
 the figures.
 12 8
 30 32
 145 20

Signal Words

Fill in each square, from the letters given below the diagram, to form compound words. They may start either in the down or across line. A letter from each part being common is already given.



Circle C
 Without project
 ACTUALLY pass th

...m I?

... often lands in the soup
... sails in a sloop
... es my second away,
... in sounds and sighs.
... challenges, I never cause fights,
... vely like you.
... My sixth is split, too!
... n my seventh will teach,
... th one to teach,
... th great care,
... wver goes there.

Quiz 'My Word'

Just tick the definition against every keyword, which you think is the correct one.

- MIZZLE**
(a) a mist (b) make off (c) fire a gun (d) fly
- INTERPELLATE**
(a) go between (b) to go to the moon (c) dig up remains (d) interrupt to demand explanation
- CLANDESTINE**
(a) a goal (b) scheme (c) secretive (d) cymbals
- PHILTRE**
(a) brilliant (b) a love potion (c) bone disease (d) boiled
- SHANTUNG**
(a) a Chinese dish (b) going places (c) undressed Chinese silk (d) nasty event
- CONCOMITANT**
(a) clever (b) attractive (c) going together (d) signing deed
- PUERILE**
(a) trivial (b) valuable (c) cooked (d) eaten raw
- ENCOMIUM**
(a) all together (b) public use (c) praise (d) community

...ns

ions by placing the correct signs between

104 40 4 = 1
12 2 10 = 200
2 25 5 = 15

Puzzle and Quiz Corner

Cast your mind around the world and name the CAPITAL CITY of the following countries:-

Burma, Canada, Iraq, Greece, Norway, Chile, Iran, Fiji, Cuba, Australia.

A series of 4 letter words, can be made from each of the "jumbled words" in column 1. To assist you to decipher them, column 2 acts as a series of windows and shutters, blocking out unwanted letters, and revealing the answer in the open window. See how many you can find. Not necessarily on the same line.

Column 1	Column 2
1 F O M U R T Y	k
2 A P I R C O H	l
3 B R U N A L G	m
4 Z I R L I O T	n
5 E T H O G R A	o
6 D R I E N T O	p
7 I C H R I U M	r
8 S T A N O R G	s
9 E S A N O V Y	t
10 D I G N A Z W	u

An example is shown below:

F	A	N	O	P	O	D
F			O		O	D

Centre Lines

... the lines, can you tell which ones touch the centre of the circle?



Tales from Old Baghdad

The Caliph owned many fields of corn, all of them exactly square and no two of them the same size. Oddly enough the length of the side of his largest field was an exact number of cubits and was just one cubit longer than his second largest field, which in turn was exactly one cubit longer than his third largest, and so on, each field being one cubit less in size than the one immediately larger. The Caliph and the Grand Vizier used to visit the fields as the harvest drew near, starting with the largest and working their way down in order of size till they reached the smallest.

One day as they were on a pathway between two fields the Grand Vizier remarked, correctly, that they had now seen exactly half the Caliph's ripening crop—the fields I should add were all equally fertile.

It was well known that the Caliph owned a total of 28,935,340 square cubits of corn field. How big was his smallest field? (With acknowledgement to David James of the Project Control Office, MSDS, Portsmouth, and courtesy of Browns Lane News).

£10 awarded to the first correct solution, received by 5 February and drawn out of the hat. Entries please, to the Editor, address as for previous competition.

RETIREMENTS

After 23 years and 7 months with the Company, a very well-known personality, in the person of Sis Pope of the Reprographic Department has retired. She originally started in the Stove Enamelling Department, where she stayed for 5 years, before joining the Print Room. She was one of the small band of enthusiasts who supported Sid Clayton, in the formation of the Photographic Department. As the Section Leader, in charge of Reprographic Services reception she was in contact with many of the employees, either for prints copying or photography and her quiet charm and willingness to help endeared her to all contacts.

She was the daughter of a Policeman, born at Frindsbury - which was still a village outside Strood - she eventually became WAPC 11 herself, one of the original group of Women Police Officers in Rochester and served for 3 years during the war.

In presenting her with a variety of gifts, subscribed for by her many friends and colleagues, Mr. Clayton recalled the early days and of the memories evoked by the occasion and wished Sis (full name Rossina) a long and happy time in retirement.

She has been a widow for some years, her late husband being connected with City Way Service Station. Her family to which she is devoted consists of a son and daughter and one granddaughter, from whom she received a golden guinea pendant and inscribed glasses respectively.

Her gifts included, a lace table cloth, silver-plated coffee service, silver salver tray, flowers and numerous cards. Sis has relatives in South Africa, whom she hopes to visit in the near future. Meanwhile, she plans to occupy her time receiving guests at home, gardening and dancing.

An explanation of the 'Sis' part - there were four boys older than herself, and after her birth she was referred to as 'little sister' and the abbreviated 'Sis' stuck!



Sid Clayton with Sis Pope. (A)

A dual retirement of two well-known personalities took place recently when Tom Park and his wife Betty took their leave of friends and colleagues.

Tom had been a member of the security staff for 6 years, but had had an interesting career before coming to Marconi. He was a Steel Erector by trade and had been employed by many well-known firms in the steel industry, as well as being a self-employed person. Among the interesting work in which he took part was the erection of the lift shaft in Kingsnorth Power Station chimney which was 638ft high! He regularly serviced the structure of Big Ben for some 17 years and was employed on the Erith Bridge Cable. He was the first steel erector at the BP (Kent) Oil Refinery. From the age of 14 to 16½, Tom worked down the mines. He was also a keen footballer, having been a semi-professional with Margate, which was considered a nursery for Arsenal FC.

Tom had six brothers and one sister who were all talented musicians; he is himself a well-known local entertainer and, with his wife Betty, has produced and compered many local shows, including Medway Variety Club.

Betty shares her husband's love of music and is a talented pianist in her own right. She was the receptionist in Corsair Building.

They have five-sons and one daughter, the youngest of which was 18 years old on the day they retired.



Tom and Betty with a selection of the cards and gifts they received on their retirement.

Alan Water, who retired from CMS on 21 October had given 35 years' service to the Company, having begun with Swift and Swallow in 1946.

A man of tireless energy, he not only worked hard but played hard too, and he took part in many activities within and outside the works. He was an original member of the Sports and Social Club, retaining his interest all through the years and a committee member of the Long Service Association, where he will be greatly missed.

Alan, who was in AEI at one time, had prior to joining the Company, worked for Pobjoy's as a Fitter and went to Bedford with them, where they were dispersed during the war. It was in Bedford that he met and married his wife, who unfortunately died some years ago. During the war years he became a Chief Spotter in the Royal Observer Corps and was a 2nd Lt. (Training Officer) for the Bedfordshire and Hertfordshire Regiment.

His love of sport began early in life and he became a player of no mean ability in cricket, football, swimming and

dancing. These two latter pursuits he still indulges in and hopes to keep fit through his indulgence, for a very long time. He has, in recent years, won the veterans race at the Company sports day.

His special gifts for retirement included a sherry decanter and glasses (and a bottle of his favourite brand to initially fill the decanter).

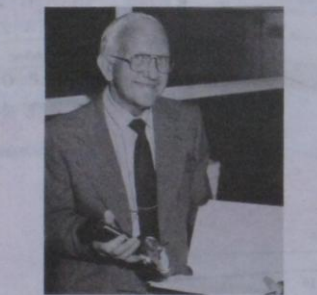


Alan Water. (C)

A native of Maidstone, Ron Springett, who has performed many varied functions in life, has after 14 years with the Company retired to enjoy his favourite pursuits of gardening - greenhouse horticulture (pot plants and tomatoes being specialities) and bowling, in which sport he has represented his county, in friendly and Middleton cup matches.

Ron has worked in the Cost and Budget Department of CMS for 10 years, after a spell in FCD and TAC as a Technical Clerk. His career prior to joining Elliott Automation, covers 9 years with CAV in the Transport Office, running his own grocery business and as a Club Steward for Bowaters. He saw service in the war with the Royal Artillery and was at El Alamein, with the Eighth Army.

Ron was presented with a barometer and an electric shaver on his retirement.



Ron Springett. (C)

George Hilburn, an Electrical Inspector within CACD retired on 22 October 1961.

Having been educated at Rochester Technical School, he served an apprenticeship with Kent Electric Power, before joining Short Bros. in 1931. He continued to work for Shorts as an Inspector, working on many of the well-known aircraft such as Stirling, Sunderland, Empire Flying boats and the Mercury Composite. On the closure of Shorts, George came to Elliotts in IND as an Electrical Inspector, later transferring to TACD. He remained with them in the amalgamated FCD and latterly in CACD.

George was widowed and met Alice (also a widow) who was a clerk for 17 years with the Company, working in Planning of TAC. They married in 1963 and have enjoyed a very happy married life together. They plan to share their new leisure time together, doing the things they both like and have never had the time previously.

As a memento of the years at the Airport, friends contributed to the gift of a Teasmade, which Mr. J.F. Smith, Production Manager CAC, presented.



George Hilburn. (A)

Frank Gould, of CMS Services retired after 18 years' service spent mainly across the airfield in the former Printed Circuit Department and Metal Finishing Department.

Formerly with Metro-Vickers at Old Trafford and at Aldermaston on research. He was in the Royal Navy for 4½ years during the war, serving mainly on the Far East station and he was present at the Japanese Surrender. Returning home, he started work with A.V. Roe of Frilingsworth, Lancashire. He never lost his north-west accent.

A man with rare skills, he applied himself diligently to the science of general electro-plating, being responsible for the success of our anodising processes. He has a flair for chemical mixing and is skilful in the purification of water; besides being a pleasant cheerful and helpful worker and leader.

His parting gifts consisted of a carriage clock and cuff links. A well read individual, he can relax with his library and for complete relaxation he enjoys walking. His family of two sons, two daughters and six grandchildren will keep him fit. One daughter remains in the Company, working in Reprographic. They will not let him feel lonely in his retirement.



Frank Gould. (A)

MASD has seen the departure of several of their numbers during the past weeks, among them being:

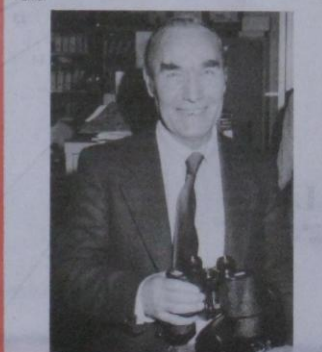
C. Bundy, who retired on 6 November. He was a Production Inspector - Foreman, having previously been a Leading Hand Inspector after joining MASD in 1974. He started with the Company in July 1968 as an Inspector at Borehamwood, he came to Rochester in 1969 as an Inspector and continued in inspection activities in PSD and other divisions.

Doris Russell, who began service in October 1973 as a Coil Winder, after working latterly in MASD as a member of the stores staff, has also retired. Her career in the Company reflects the changes which have taken place as the works grew and expanded. In 1960 in Servo Division as an Assembler, then as a Wirewoman, 1966 she went to FID as an Assembler and in September 1968 joined Air Space Control. She also served for a time in IND before joining MASD.

25 YEARS' SERVICE

After serving in the Royal Navy, with the rank of Chief Petty Officer (Wireless Instructor), Ben Hogben joined Elliott Bros. on 19 March 1966. He began in Aviation Development, working on strain gauges and torque motors. A time was spent in Radio and Radar, testing Bendix Radio equipment, followed by testing of Gyros, accelerometers and tachogenerators in IN Division. He was later appointed to Project Engineer responsible for the Instrument Laboratory facility, Engineering Stores, Gyro Room and Engineering Laboratory Services and finally he became Project Controller on the Jaguar project. May 1974, saw Ben moving to MASD as Project Manager (co-ordinator) on the AQS501 contract.

He chose binoculars as his company gift, a choice well-suited to his private activities of camping, countryside visits and nature. The family are all members of the National Trust and, with his wife Anne and their children, he can be found most weekends on a visit to places of historic interest, stately homes or National Parks.



Ben Hogben. (D)



Keith Redding (sitting at desk) with (left to right): Mr. R. Ruggles, Mr. B. Camp... Chief Engineer ATE and Mr. M. Doran.

One of the new generation of long service employees has been added to the roll of 25 years' continuous service employees.

Keith Redding, Chief Designer of ATE, began his career with the Company as an Apprentice in September 1956. He became a Draughtsman in 1964 and proceeded up the ladder, through

25 YEARS' SERVICE

Design Draughtsman and Engineering, to his present position in 1976. He personifies the successful and industrious technician which demonstrates how far one can go, if prepared to 'put a shoulder to the wheel'. During his apprenticeship, he studied at the Medway College of Technology and gained his HNC.

For the permanent moment of the completion of 25 years he chose a canteen of cutlery, which Mr. R. Ruggles, Divisional Manager, presented to him before a good number of friends and colleagues.

Ron Hedgecock, is another ISD employee to join the select band of the Long Service Association.

He began his service in the Aviation Department at Borehamwood in 1956, as a TA and Development Engineer with interests in Target Aircraft. Ron has travelled extensively on company business, mainly to Australia, where he spent some time at Woomera on the Jindivik. He was a member of MAC, when Ray Reece was Chief Engineer, he also was connected with the Lightning contract - from Borehamwood. Back in Rochester, he was involved in the TSR2 development and for a while was posted to Watton; and was still interested in the unmanned aircraft. He joined AEI and was appointed Project Leader on Concorde, he was also involved with CSA Crosswind

system and BAC 1-11. Ron was for a time part of the team working on Y14 system in FCD, before finally joining ISD, where he is now Project Manager.

Living at Braughurst, Ron has three daughters and one son and enjoys swimming, DIY and bowls.

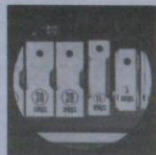


Ron, with his selected gift of a clock, surrounded by a group of colleagues and friends. [C]

Provide plenty of ashtrays, put out cigarettes etc. safely



Plugs and circuits should be correctly fused



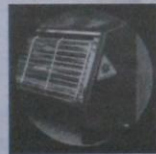
Open or radiant fires should be securely guarded where there are children or old people



A sparkguard should be put round the fire before the room is left unoccupied



When buying a new electric fire see that it conforms to British Standard 3456



HAZARD BY FIRE

At this time of year, it is more than ever necessary to draw attention to the potential danger of fire. Be careful to ensure that candles on Christmas trees, if alight, cannot possibly touch foliage or trimmings. Make sure waste paper packing is carefully disposed of - not thrown on to an open fire. Please ensure you have a SAFE Christmas.

Here are a few sobering thoughts:

FIRE LOSSES

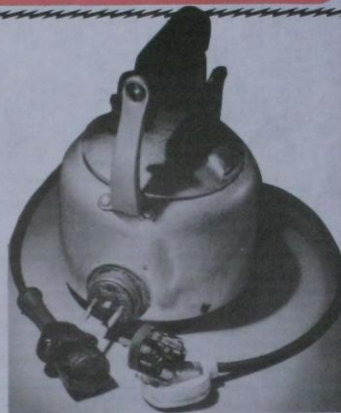
The cost of fire damage in Great Britain, (excluding Northern Ireland) during July 1981 was £25 million. Seventeen of these fires were estimated to have cost £250,000 or more. One, a converted warehouse, suffered a loss estimated at £1.5 million, with another at over £1 million. During the same month there were 70 fires costing more than £50,000 each, of which 38 were in places used by the public, such as theatres, cinemas, shops and schools.

In the area covered by the Medway Fire Brigade, 315 calls were made on the service, during the month of August 1981 and approximately 60% of these involved domestic premises. They ranged from everyday chip pan fires, to the more serious involving complete households.

Many of these fires could have been avoided by householders carrying out a few simple checks. Information obtained from the local Fire Authority shows that the prime causes of many fires involve faulty thermostats, trailing leads across heating and cooking appliances, overloaded power points and incorrect fusing of plugs.

Following a report of smoke and burning in the Towers, a kettle was found (see photographs) which had boiled dry but was still switched on - in a cupboard! This is a cause regularly found by investigating Fire Officers following a fire.

It should be noted that the earth wire had either been broken after months of use, or maybe had never been connected at all! This appliance could have been a serious risk to the user, especially if the hands had been wet.



Here's where the dangers are!

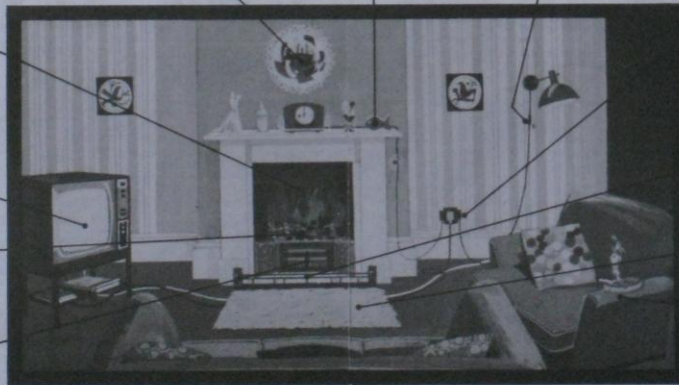
LIVING ROOM

If your chimney catches fire send for the fire brigade - it's free! Remove the hearth rug and any flammable materials. Dampen the fire in the grate.

Switch off the television and other electrical equipment when not in use and pull out the plugs (but not by the flex!).

Never use petrol or paraffin to help light a fire. Never use a newspaper to make it draw - use a draught tin or a metal tray. Don't dry sticks or paper in the oven before lighting the fire.

In rooms used by children or old people always have a guard fixed in front of a fire.



Don't hang a mirror over the fireplace - it invites people to get too near to the fire.

Don't put anything on a mantelshelf which a child might try to grab.

If a flex or cable is not long enough the safest plan is to get a new one. But if you do have to make a join, use only proper connectors. Be sure none of your flex is worn.

If you have to use multi-way adaptors, remember a lot of appliances wired to one socket can overload the house-wiring. Result: overheating and a grave risk of fire. The safest method to adopt is 'one appliance, one socket'. So see you have enough plug points.

If you use smokeless fuel your chimney should be swept at least once a year - more often if non-smokeless fuel is used. Keep the hearth and surround clean.

Don't run flexes under carpets or linoleum; they can be chafed or damaged without being noticed.

Never leave a lighted cigarette on an ashtray where it can fall off and so start a fire. Never empty ashtrays or throw matches into a waste-paper basket.

Sports and social club round up

INDOOR GAMES

WEDNESDAY LEAGUE

Final table for 1980-81

MONDAY LEAGUE

DARTS					EUCROE					DARTS					EUCROE												
P	W	L	F	Pts	P	W	L	F	Pts	P	W	L	F	Pts	P	W	L	F	Pts								
MASD D/O	4	2	1	29	17	Model Shop 'B'	4	4	0	13	7	CMS 'A'	4	3	1	0	28	12	IN/D/O	4	4	0	13	7			
AS & R 'B'	3	3	0	20	10	ADD Coniar	3	3	0	10	5	AS & R 'A'	4	2	2	0	26	12	ATE 'A'	4	3	1	1	7			
Model Shop 'B'	4	2	2	0	25	15	CAC	3	3	0	3	6	Model Shop 'A'	3	2	1	0	24	6	CMS 'A'	4	3	1	1	7		
CCD	3	2	1	0	19	11	MASD D/O	4	3	1	1	9	IN/D/O	4	2	1	1	23	17	AS & R 'A'	4	3	1	1	7		
FCD 'A'	3	1	0	1	13	4	AS & R 'B'	3	2	1	1	1	4	Gyro N/R	3	2	0	1	14	6	AS & R 'A'	4	2	2	1	11	9
ADD Coniar	3	1	0	1	17	13	FCD 'A'	3	2	1	0	7	EDP	4	2	0	2	16	24	Fisher	4	2	2	1	1	5	
ATE Eng	3	1	1	1	13	3	ATE Eng	3	1	2	8	7	PSD	4	1	1	2	23	17	Model Shop 'A'	3	2	1	0	7		
ADD D/O	3	1	0	2	14	12	M&V Services	4	1	1	0	10	10	FCD D/O	4	1	1	2	19	21	Model Shop 'A'	3	2	1	0	7	
CMS 'B'	3	1	0	2	14	16	CCD	3	1	2	7	9	Fisher	4	1	1	2	17	23	PSD	4	1	2	10	10		
M&V Services	4	1	0	3	16	24	IN	3	1	2	7	8	Training Centre	2	1	0	1	10	10	Gyro N/R	3	1	2	7	8		
CAC	3	1	0	2	10	20	CMS 'B'	3	1	2	4	9	MASD	3	1	0	2	12	18	EDP	4	1	3	4	16	2	
IN	3	1	0	2	9	2	ADD D/O	3	0	3	3	10	ATE 'A'	4	0	2	2	16	24	FCD Prod.	3	0	3	0	3	0	
Accounts	4	0	1	3	14	26	Accounts	3	0	3	4	11	FCD Prod.	3	0	3	0	3	0	FCD Prod.	3	0	3	0	3	0	
Gyro	3	0	3	3	9	21	Gyro	4	0	4	4	14															

All results up to and including 16 November

All matches to be played on 14 December have been cancelled due to double booking of clubhouse. Please note new dates.

Jan 11 Board 4 AS & R 'A' v IN/D/O April 19 Board 2 Training 'C' v PSD Prod
 Mar 15 Board 4 MASD v CMS 'A' April 19 Board 4 FCD D/O v Gyro N/R

'65 CLUB

The November meeting was well attended and an additional 13 new members were welcomed into the club. The entertainment, provided by Elliott Concert Brass Band, was well received and greatly appreciated. The programme of music not only showed the versatility of the band but highlighted the age range and the phases of musical tastes. Ian Walton and the musicians were congratulated on a fine performance.

Bingo games were played and arrangements finalized for the annual Christmas party.

Annual Staff Dance
 Royal Star Hotel, Maidstone
 22 December 1981
 7.00pm



Notice

Annual Christmas Carol Toy and Gift Service

Green Street Baptist Church, Gillingham

Monday, 14 December 1981

at 7.30pm

Conducted by Rev. T. Rogers
 Singing led by Elliott Concert Brass Band
 (Musical Director Ian Walton)

Carol sheets provided. Come and bring your family and friends

INDOOR BOWLS

League A					League B					League C					League D								
P	W	L	F	Pts	P	W	L	F	Pts	P	W	L	F	Pts	P	W	L	F	Pts				
IN 'B'	2	2	0	67	36	IN 'B'	2	2	0	37	20	M&V 'S'	1	1	0	36	18	FCD 'D'	2	2	0	106	25
ATE 'B'	1	1	0	37	20	Gyro	2	2	0	48	74	ISD	1	1	0	40	30	CMS	1	1	0	37	18
MASD Plan 2	1	1	0	48	62	IN 'B'	3	3	0	36	18	ADD D/O	1	0	1	30	48	CAC	2	1	1	47	25
Works Eng	1	0	1	20	36	ATE 'B'	3	3	0	36	18	Model Shop	1	0	1	30	48	FCD 'D'	2	0	2	31	78
Gyro	2	0	2	43	19	MASD Plan 20						65 Club	1	0	1	15	30	AS & R 'B'	1	0	1	15	30

All results up to and including 23 November

Forthcoming:
 November 25 CMS v Fisher
 30 Model Shop v ADD D/O
 December 2 Works Eng v ATE 'B'
 7 98 Club v M&V 'S'
 9 ATE 'A' v IN 'A'
 14 ADD Coniar v CCD
 16 AS & R v CMS

IN LIGHTER VEIN

Car servicing

This is the time of year when essential maintenance should be carried out on the family car, thus avoiding those embarrassing moments when you have to ask those who you have been trying to impress with a cosy little dinner to 'Give me a push would you, she won't start again'. Very little specialist equipment is needed to save £££ on those garage bills and to give you the satisfaction of having done it yourself.

It is most important that the roof, bonnet and boot lid are kept shining clean during winter months. This can be achieved quite cheaply by mixing in a plastic bucket two capfuls of a proprietary cleaning agent such as lemon palmolive and clean water. Apply to exposed parts of car using a yellow sponge and a clockwise motion (if right-handed). Rinse and leather well.

Under bonnet inspection should be carried out with the car standing on a level surface facing south-east if possible. Consult workshop manual to locate bonnet release and activate as instructed. Firstly carry out thorough search for small pests, such as hibernating hamsters, tortoises and hedgehogs. Remove and store in vented boxes until required in the spring. Find the fan belt (often near radiator) inspect and prod twice with finger. Dip oil, replace all emission tubing which has come loose and firmly close bonnet.

The underside of the car requires special attention. All under-panels should be firm and covered with a slight spray of oil from somewhere up front. To counter the effects of salt and spray, all boxed sections should be pressure-filled with rubber compound hydrocarbonated sludge or bituminous inhibitors. Whilst under car, check gear box oil level. The gear box is often located near to the engine and can be identified as having a shaft or pole protruding into the seating area of the vehicle. When the filler nut is removed (using stillsons) a thin dribble of oil should fall onto your hand and run under your cuff. If required 'top up' until this happens.

Tires should be 'kicked' using appropriate footwear and tread depth measured. The police will often advise if quantity or depth of tread is insufficient.

Gain access to vehicle interior through the drivers door (porte avant; Renault 5s) and remove old maps of Cornwall, sweets, sun-damaged cassettes and snoring moggies. Clean cloth upholstery using 1001 (2/6d size) and polish radio/cassette player front with windowlene or 'Brunger's Sparkle'.

If you still have doubts about your car's ability to 'see the winter through', trade in whilst clean for low mileage, one lady owner model with long guarantee.

John B

LADIES OF A DIFFERENT KIND



For Sale

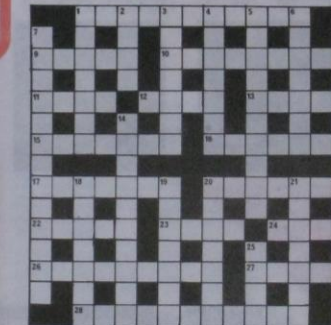
Fostington Wood, Walderslade, Chatham

Two bedroomed terrace house. Full gas central heating. Kitchen/diner, garage

Situated in tree-lined cul-de-sac. Must be viewed £22,500 including new carpets

Phone: Medway 681486 after 6.00pm and weekends or works internal 2331—Mr. C. Matthews

CROSSWORD No.39



- | ACROSS | Down |
|--|---|
| 1. Sometimes a foolish prank (1,3,2,1,4) | 1. To the point (7) |
| 9. Concerning the countryside (5) | 2. Not working (4) |
| 10. Talking as if yesterday (4,5) | 3. What a funny idea (7) |
| 11. Mischievous youngsters (4) | 4. You need these for solving this (7) |
| 12. Death (4) | 5. The feeling when the bubble bursts (4,6) |
| 13. Carved in relief (5) | 6. Relations of blood (7) |
| 15. Informal sorting of persons (7) | 7. A wifes burden (6,7) |
| 16. Pursuit of formulated knowledge (7) | 8. Opened from afar (6,7) |
| 17. To disperse (7) | 14. The centre of the concourse (4,6) |
| 20. Wash hair or carpet (7) | 18. What comes out of (7) |
| 22. Flat bottom river boat (5) | 19. Apprenticing to GDS (7) |
| 23. River of Sheffield (4) | 20. Being embarrassed (5,2) |
| 24. Final one (4) | 21. Concert solos (7) |
| 26. Of a sailor's connections (5,4) | 25. The dress to make men gape (4) |
| 27. Among the landladies (5) | |
| 28. For the last stand (5,5) | |

SOLUTION TO CROSSWORD No. 38

ACROSS
 1 Forging ahead, 10 Excess, 11 Clasp, 12 Toppery, 13 Troop, 14 Emma, 15 Mandolin, 18 An dale, 20 Barrow, 23 Coloss, 24 Archangel, 26 Edwidge, 27 Photo, 28 Twenty ring

DOWN
 2 On top, 3 Gallon, 4 Nectar, 5 Alley way, 6 Erected, 7 Dog collar, 8 Leather jacket, 9 Weaving wiles, 13 Melancholy, 17 mission, 19 Lovers, 21 A harper, 22 Coast, 25 Gait.

Photographs taken by the Staff Photographers will be acknowledged in the following way: (A) Alan Kean, (B) Linda Jones, (C) Laurie Coates and (D) Albert Marshall.

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

Produced by the Publicity Dept. GEC Machines Limited, Bradford for Marcon Avionics Limited, Kent and printed by John H. Hirst & Company Limited, Cuckfield, Yorkshire.