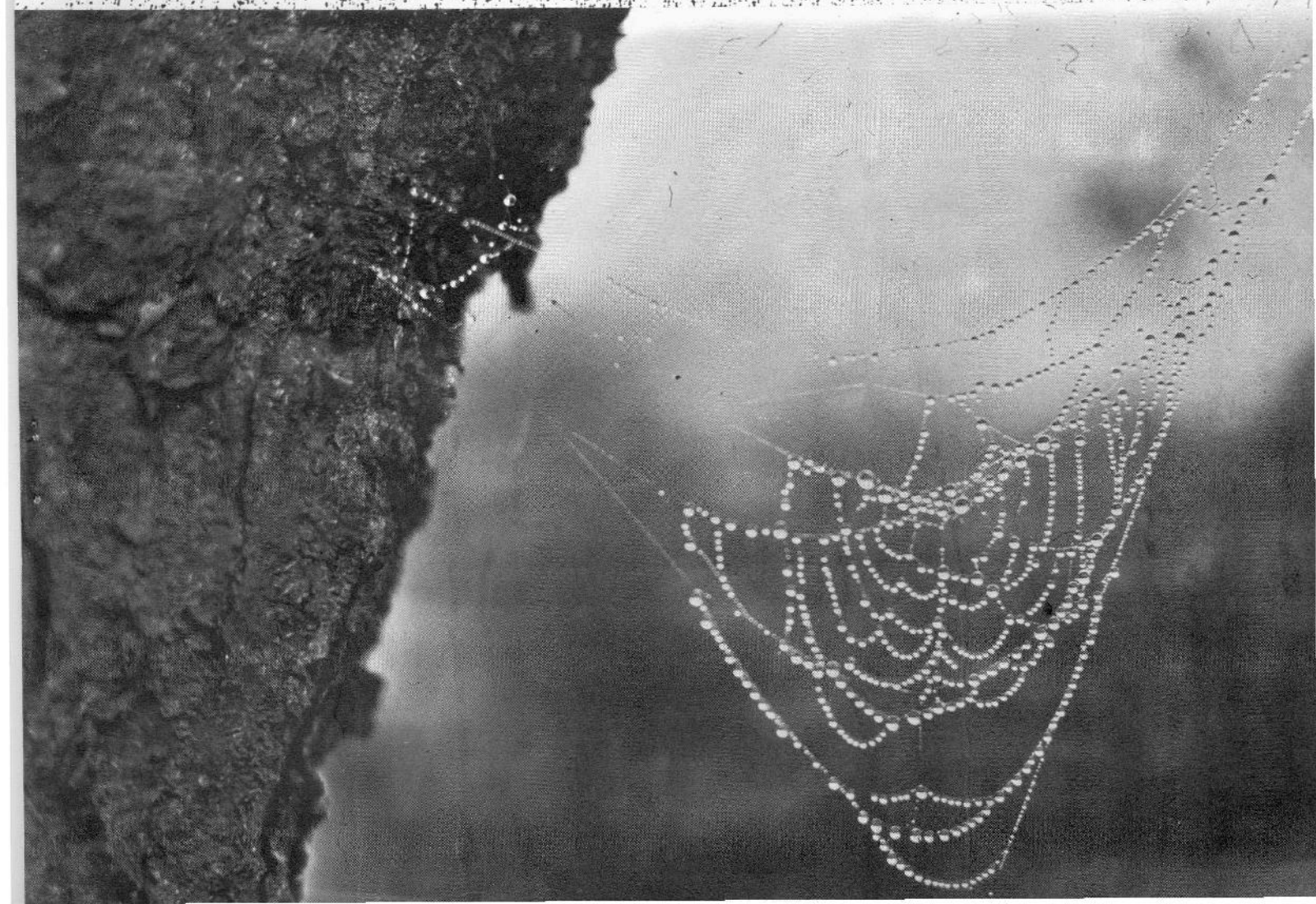


**BUSH**      feb 1978  
**TELEGRAPH**



# BUSH

vol. 20 no. 3

# TELEGRAPH

the magazine of

# R&EL

wood lane



## Cover

Photo by  
Denis Groombridge

## Editorial Board

David Green  
Denis Groombridge  
Mike Hagger  
Richard Hammond  
Geoff Holder  
Ted Morrison  
Peter Revell



# Editorial

One of the functions of the Bush Telegraph is to provide an information service between management and staff, but at present its potential is not being fully utilised, with contributions being supplied by the faithful few. In particular we feel that management are not fully using the service provided by the magazine to promote events occurring at REL. We have received several comments regarding the poor publicity given to the Technical Society Meetings, and also the Prize Giving, which by previous standards was very poorly attended. Given the apparent reluctance by the management to communicate effectively on site, it is interesting to note the formation of the Hot Air Balloon section which, apart from its obvious social function, will at least promote BREL at external locations.

Hopefully, this editorial will stimulate you to submit an article for publication. To our regular contributors we extend our thanks.

# Pensioners Corner

We've had another clutch of letters from pensioners since last month, and may we say again how delighted we are to hear from our former colleagues. Some of them have asked if they may contribute articles, and the answer to that is a resounding "yes please". We will be pleased to hear from you at any time. If you have articles, news, comments or criticisms please write to us, if you wish to take part in the competitions feel free; if you would like to set puzzles for the rest of us to solve that'll be fine; if you wish to use the magazine to advertise something (seaside bungalow or caravan to let for instance) let us know.

We look forward to hearing from you.

## Diary of Events

DATE	EVENT	FOR INFORMATION
Feb. 28th	Technical Society Lecture IV S. Verne 'Polymer Programmes and Influences throughout BICC.'	John Heggie
March 6th	Last day for contributions to Bush Telegraph	Editorial Board
March 7th	Film Section AGM-Small Conference Room 1 pm	Annette Mattock
March 15th	Film Show - 'Themroc'	Annette Mattock
March 20th	Publication Day for Bush Telegraph	Editorial Board
March 22nd	Executive Council Meeting	John Heggie
April 12th	Bridge Pairs Competition	Roy Fraser
April 29th	Sea Angling Trip	Peter Walton
<u>Regular Events</u>		
Tuesdays	Badminton	Vic Banks
Thursdays	Badminton	Vic Banks
"	Air Pistol Shooting	Denis Groombridge

# Personnel News

## Welcome to:

Mr. John Stephens-Ofner who joined BREL as Deputy Commercial and Patents Manager on 23.1.78. Mr. Stephens-Ofner, who is a Patents Barrister and is in his late 30's, has a Chemistry Degree and was until the end of 1977 Industrial Property Agreements Manager of Unilever Ltd and Unilever N.V. (Holland).

Mr. John Dorling who joins us as a member of the Transmission & Energy Department.

## Farewell to:

Miss Sue Hurst of the Polymers Department who leaves at the end of February to get married.

Mr. Glynn Stainthorpe of the Polymers Department who leaves at the end of February for employment away from the London Area.

## Congratulations to:

Tim Cozens (Physics) who was married to Gillian Smith on Saturday 21st January.

Tony Jordan (Physics) who was married to Susan Field on Saturday 4th February.

Walter Mascarenhas (Corrosion) who was married to Catherine Evans on Saturday 11th February.

## Long Service Awards

Dennis Cooper, 20 years on 17.2.78

Frank Walker, 20 years on 24.2.78

## TYPEWRITER DRAW

The result of the draw for the surplus typewriters held on Wednesday, 8th February, in the order in which the names were drawn, was as follows:

- |    |                    |              |
|----|--------------------|--------------|
| 1. | Mrs. P. Marshall   | Patents      |
| 2. | Mr. D. Groombridge | Diffraction  |
| 3. | Mr. G.W. Millard   | Corrosion    |
| 4. | Dr. R.J. Llewellyn | Metallurgy   |
| 5. | Mr. R.G. Hammond   | Chemistry    |
| 6. | Dr. E.C. Rogers    | Transmission |
| 7. | Mr. W.A. Walker    | Polymers     |

D.D. LOTT

# The BT Asks.....

From time to time we hope to talk to senior personnel on topics of general interest to staff. This month Mr. Fran Lam (R&EL's Secretary and Accountant) answers questions about operating and financing the staff canteen.

Bush Telegraph (BT): Mr. Lam, many staff do not understand how the canteen is organised and financed. Can you give a brief explanation?

Mr. Lam (FDL): We use outside caterers, namely Bateman's and they are responsible for the efficient provision of all canteen services and facilities to all staff at Wood Lane. It is Management's responsibility to ensure that Bateman's fulfil the terms of their contract.

The charges we receive from Bateman's cover the cost of their staff salaries, their management fee and the cost of food materials purchased. From this total they deduct the cash takings from sale of food, vending etc. The balance, which is the direct Canteen Subsidy, is paid by R&EL. In addition there are other costs incurred by the Company e.g. heating, lighting, cleaning, purchase of canteen equipment etc. In other words the total Canteen Subsidy is made up of two components, (1) direct charge from Bateman's and (2) overhead expenditure.

To give you some idea of the amount involved in 1977 the direct subsidy alone arising from (1) was £35,000.

BT: Do these arrangements mean that the Company can set prices at any level it chooses?

FDL: In theory yes. But in practice as the canteen is operated on a subsidised basis for the benefit of the staff the prices charge are quite low.

BT: What governs this level, and why does it result in different prices at other locations where Bateman's are the contractors?

FDL: It is difficult to maintain identical food prices at different locations because the levels of subsidy vary due to the different usages and extent of facilities in each establishment. The level of our subsidy has to be contained within our total Company expenditure, and takes into account the general level of inflation and other economic regulators within the food industry.

BT: In fact the price of meals at Wood Lane has changed very little in the last 2 years. Has this been achieved solely by increased Company financing?

FDL: Yes.

BT: Some staff believe that it has been achieved by a lowering of the quality of meals. Can you comment on this?

FDL: This is not true. Bateman's have always been instructed not to lower the standard of the food or service.

BT: Can staff expect the current price levels and quality to be maintained much longer?

FDL: The quality should be maintained at all times. Regarding prices, we review the situation regularly and, as mentioned earlier, they depend a lot on the general economic environment.

BT: It is sometimes suggested that the money spent on entertaining visitors reduces the finance available to the canteen. Is this correct?

FDL: This is a misconception. Expenditure for entertaining visitors is a separate cost within our total operating costs, and therefore never influences the canteen subsidy.

BT: Finally Mr. Lam, complaints and grumbles. They are inevitable with a canteen, so what advice would you give staff who have complaints?

FDL: Firstly to complain immediately to the Manageress. She wants to know of any dissatisfaction so that she can take steps to resolve the situation. However, if it is felt that such action has had no impact, then certainly let me know. I do however expect staff to be fair about the whole thing. Not everybody will feel content everyday. People have strong likes and dislikes especially where food is concerned. Having said that I will nevertheless support any individual in resolving a genuine complaint.

BT: Thank you Mr. Lam. We are sure that staff will appreciate the insight you have given into this subject.

---

## That Brown Fox—Again!

Molly Nalon suggests an improvement (!) on the 32-letter sentence of last month.

"Pack my box with five dozen full liquor jugs".

(The Editorial Board endorses your suggestion 100% Molly, and wishes to volunteer to carry your box to any quiet corner of their choice!).

# Poets Corner

## A Sea-Wife's Lament

or

### The Poetic Injustice of It All

To fish may be fine  
Though it's no love of mine  
And mainly a masculine sport,  
But where would they be  
As they go off to sea  
Without their good missus' support?

\*\*\*

It isn't much fun  
At a quarter to one  
To climb wearily into bed,  
And reflect on the tasks,  
Like the filling of flasks,  
When to a Sea-Angler you're wed.

\*\*\*

It hurts even more  
At a quarter to four  
When it's time to start moving again,  
But you rise like the lark,  
Though it's still jolly dark,  
And you think that you must be insane.

\*\*\*

You pack up his food  
In as cheerful a mood  
As you can, while you earnestly pray,  
With your hand on your heart,  
That the car's going to start  
And not cause an unwanted delay.

\*\*\*

At last all is done  
The day's really begun  
With the food and the drinks and the fags  
And the reels and the weights  
And the lures and baits  
All safely packed into his bags.

\*\*\*

As you close the front door  
And off seawards they roar  
You whisper your own heart-felt wish -  
"Go out and enjoy  
Your sea-trip, my boy,  
But, please God, don't bring home any fish".



# The History of Electric Wires and Cables

## PART 3: SCHILLING'S ELECTROMAGNETIC TELEGRAPH

By R.M. Black

During the years 1815 to 1825 Baron Pawel Lwowitch Schilling (von Canstadt) devoted the spare moments of his busy diplomatic and military career to experiments in electricity and lithography (then recently developed in Munich). The former were to lead to the construction of the first electromagnetic telegraph.

The system adopted by Schilling utilised the principle of Schweigger's galvanometer, a magnetised needle suspended within a coil of copper wire which could be deflected by the passage of a current of electricity. By mounting a piece of paper, painted black on one side and white on the other or the silk suspension it was possible by choice of the polarity of the voltaic cell to display either the black or white side of the paper disc. To prevent violent swinging of the needle a small platinum plate immersed in mercury was attached to the lower extremity of the galvanometer suspension.

The original telegraph comprised a twin-wire system, later extended to eight, similar to that developed for exploding mines underwater. In order to attract attention at the distant station, Schilling developed a contrivance based on the electromagnetic receiver but with the suspension for the needle made of rigid metal (a wire) and carrying a balanced horizontal arm which when the needle was deflected struck a finely balanced lever which caused a leaden ball resting upon it to fall upon another lever and so release the detent of an ordinary clockwork alarm.

At first the telegraph was operated by connecting the wires directly to the poles of the voltaic cell according to the direction the current was required to flow through the coil at the receiving station, but this was soon superseded by a simple four hole commutator device with shorting plugs and connections to the alarm or receiver. The development was complete by about 1832 and during the next few years Schilling had to travel to China and on his return fairly widely on the Continent. As he appears to have been accompanied by a model of his telegraph this achieved fairly wide publicity and was adopted by some professors as suitable for demonstration in their lectures. In 1836, however, Schilling was honoured by a visit from the Emperor Nicholas who, apparently, was one of the first to appreciate the practical potential of the telegraph and requested that one should be set up between St. Petersburg and Peterhoff. Accordingly,



a Commission of Enquiry was set up under the presidency of Prince Alexander Menshikoff and an experimental telegraph was set up at the Russian admiralty in which following the proposals of Schilling part of the installation was by wires suspended from posts overground and part as a submarine cable along the bottom of a nearby canal. The submarine cable was constructed as follows: the conductor wires were separately insulated with silk and varnished, then the cores bound together with hemp and tarred overall.

The experimental line proved so successful that a favourable report was submitted to the Emperor who in May 1837 issued an Imperial Decree which ordained the establishment of a telegraph to connect Cronstadt with St. Petersburg by means of a submarine cable along the Gulf of Finland. Unfortunately this was not to be for Schilling died on the 6th August, 1837 so "he and his country missed the glory of establishing not only the first really practical telegraph but also the first submarine line".

(To be continued)

---

## The Princess and the dragon

Once upon a time there was a pretty princess. She always liked to have a walk in the woods although the king had ~~said~~ said it was a very dangerous place. She still went there. One day when she was walking in the woods she saw something in the trees. It was a dragon. It tied the princess to a tree then he said he would eat her the next day. The next day came and the dragon ate her.

The above was written by Joanna Becker, aged 6 who is the Grand Daughter of Richard Davies. If any other member of staff has a similar article, please send it to any Editorial Board Member.

(Well, the dragon lived happily ever after!)

# Cover Appeal And Competition

If all the past and present Editors and Editorial Boards were asked to name their biggest headache, a good percentage would say "finding a suitable cover each month". We would like to eliminate this problem - here's how.

1. Where possible we will have a photographic cover. Such photos must be good quality (preferably black and white) and either depict a Wood Lane event or activity or be of good general or artistic interest. Any member of staff can submit such photos (we also require the negative) and we will pay up to £2 for anything we use.
2. On occasions no suitable photograph will be available. We therefore need a "fallback" cover design (probably, though not necessarily, non-photographic). We feel that such a design should be relatively simple and should reflect the activities of R&EL in some loose way. So, start designing now. You have until April 6th to submit your ideas, and we emphasise that it's the ideas we are seeking not the final polished cover. After all not everyone is an artist, so we will undertake to do the final artwork on the winning entry (if there is one).

£5 to the winner. Entries to Denis Groombridge.

---

## For Sale

Pre-release Buddy Holly and the Crickets  
20 Golden Greats. £3 (retail price £4.10p). Contact  
Yvonne Ferrier (Physics) for details. (Tel. 272).

Two Paddy Hopkirk reclining seats, dark  
blue upholstery, complete with sub-frames. Virtually  
new. Cost £73 will accept £45 ONO. Suit 2CV6,  
Dyane 6, Mini etc. Contact P. Dey, (Tel. 216).

Stereo Transcription Turntable : Goldring-Lenco GL.75  
with plinth. SHURE M75EJ II (1-2 grams tracking weight).  
Mint : £45.

Please Contact: John Stephens-Ofner (Tel. 314).

---

## Letters to the Editor

Dear Sir,

### JOE KERR'S ALMANAC

Well, January is out and it's one down to  
Joe Kerrs- the one thing that CERTAIN MACHINE  
can't do is COPY BOOKS!

Molly Nalon

# Prize Giving

On the 1st February the long awaited prize-giving to students who were successful in their various courses during the last academic year took place in the presence of a disappointingly small number of their colleagues. It was probably the smallest participation in this event that can be remembered and must have been embarrassing to all concerned. Last month, the editorial board justifiably (in our opinion) criticised the management for the delay in organising the presentation but we also observed that this was the "one occasion in the year when the efforts of successful students are openly recognised and rewarded, and when their colleagues can congratulate them" Where were you? There was a total of only 35 persons present including the recipients - about 10% of the total strength at Wood Lane. What encouragement is that to the Students?

Apart from not congratulating the successful students, most of the Staff also missed the very relevant remarks of Mr. Banks (who made the presentations) outlining the Company's attitudes and positive steps taken with respect to education in our present day society.

In his opening remarks, Mr. Banks surveyed the current thinking towards education in the UK as a whole, especially (i) the standard of education in schools (ii) other qualities of teaching and (iii) the levels of education that were needed in industry. At present there were not enough physicists or electrical engineers - perhaps a few more chemists but generally people were worried about requirements in industry. The government had recently set up a major enquiry which would embrace a wide ranging survey, but its findings would not be available until the end of the year.

Teaching companies, like teaching hospitals for example, were one answer. BICC had considered this approach unsuitable for its own needs. Another approach was the encouragement of industrial degrees by the Scientific Research Council.

The needs of BREL were then highlighted. There was earnest recruitment planned for polymer technologists, mathematicians and design engineers. But was this enough? There had been a selection of one or two students for higher industry degrees at Imperial College. There were also the existing Alexander Robertand McFadzean scholarships. More recently, BICC scholarship bursaries for the children of employees from the age of 11 years had been introduced.

Thus today, BICC was providing a variety of opportunities for employees and the children of employees.

Mr. Banks then turned his attention to the Students present to receive their prizes from the more traditional courses. After congratulating them, he stated that BICC appreciated the efforts of these people. Students at BREL were lucky in that they had many colleagues around them to help. Their studies were a basis for job satisfaction, contribution to society and, despite current economic limitations, a basis for a good and prosperous life. BICC needed people who were willing to follow their example.

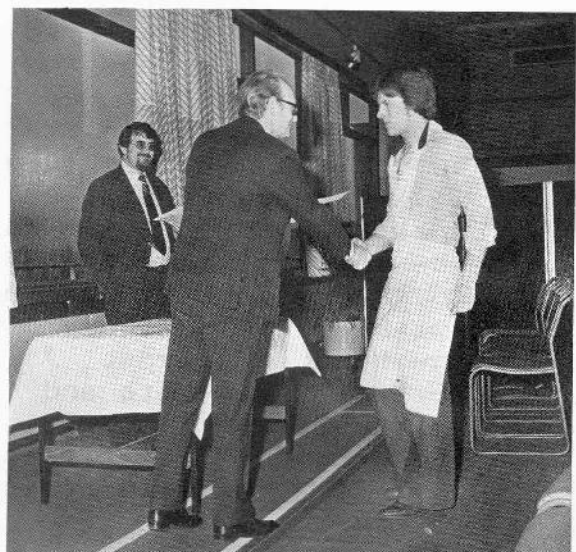
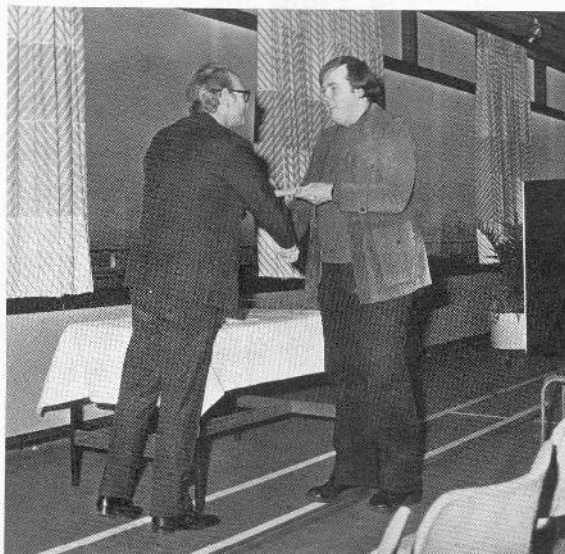
Mr. Heggie then announced the prize winners but first, he endorsed Mr. Banks' remarks and added some facts to the list of current successes.

Numbers had decreased in the last two years to eighteen, due to (i) lower recruitment and (ii) successful completion of courses. In 1978 the establishment will be increased by 8% - a fair proportion will be junior staff. Thus student trainees will be at a higher level in the future. In the last academic year fourteen students were successful - an 82% success.

The following students were then presented with their awards by Mr. Banks.

<u>NAME</u>	<u>COURSE</u>	<u>YEAR</u>
L. Greenwood	C&G Mech. Craft Studies	II
D. Glockner	C&G Advanced Craft Studies Carpentry & Joinery	III
W.E. McGill	C&G Elec. Tech. PT. II	IV
O.L. Morrison	C&G Elec. Tech. PT. II	IV
D.K. Chapman	C&G Met. Tech.	VI
D.J. Green	C&G Full Tech. Cert. Chem.	VI
T.A.C. Alleyne	HNC Chemistry	I
R. McHale	HNC Physics	I
J.A. Pine	HNC Physics	I
T. Cozens	HNC Applied Physics	II
R.P. Dave	HNC Elec. Eng.	II
P. McKenna	B.Sc. Mech. Eng.	II
P. Poncelet	B. Tech. Elec. Eng.	III
A.S.M. Sutherland	B. Tech. Elec. Eng.	IV

Any students who would like to receive a free copy of the photograph of themselves should contact Bob Maidlow (Studio) within the next month.



# A Sad Delivery Note

Delivery as we all know is a very sensitive word within British industry; however, conscientious attempts are made from time to time for its improvement. Alas, the best laid plans do 'gang a-gley' as this instance shows only too well.

In recent years BTCL and REL have developed an in-line aluminium wire annealer. A successful venture, since such companies as Maillefer and General Engineering are only too pleased to offer to the cable manufacturing world plant that includes the aforesaid annealer, for the production of telephone cable core. Such plant is capable of producing core at the unprecedented rate of 2000 metres per min. ad infinitum and ad nauseam notwithstanding wire breaks and tea breaks.

Our case concerns the plant of a contract won by General Engineering who as a consequence requested REL to manufacture the annealer. As manufacturing facilities are limited at Wood Lane, such a request means much feverish sub-contracting activity. This entails the various parts that go to make the whole being made, acquired, etc., in far-flung places in the UK. It is as well perhaps that we have lost the empire.

The part that proved to be the fly in the ointment was the one that needed a special corrosion-resistant finish. The finishing process was entrusted to a small company operating in the wild wastes of North Wales. This company was expressly asked that, upon completion of the task, the part be returned to Wood Lane by "Securicor". However, the Welsh being Welsh and being of independent mind and also believing "express" to be the operative word, the part for its return journey was placed in the hands of Red Star and travelled by inter-city express from Chester to Euston.

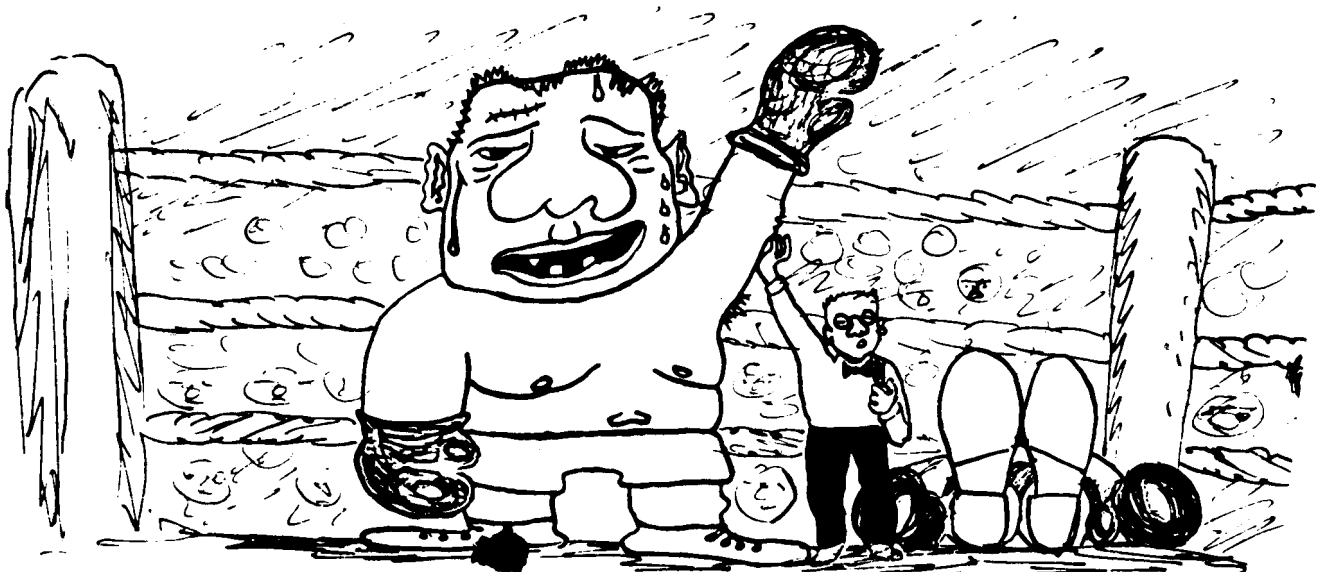
Consternation reigned at Wood Lane as no "Securicor" van entered our pearly gates except for the one that brings the lolly. A hurried telephone call revealed that Red Star had been the carrier. Subsequently Euston Station was searched from top to bottom and platform to platform but no part reared its ugly head. In well-cultured Caribbean tones, a spokesman for British Rail intimated that Red Star does not fail and that BICC had collected. Further investigations showed indeed that BICC had collected, but by the Bloomsbury Street variety of BICC - not the Wood Lane type. As both the Lane and Street are most delivery-date and export conscious a young lady of the Street in most indecent haste had dispatched the part to North Africa, believing it to be a vital part of a most important export order to Libya.

Where was the part? Was it in transit, on the sunny shores of Tripoli, or stuck up some wadi in Cyrenaica? Nobody knew - and even if they had, no retrieval process was known.

No wonder that members of the Control Eng. Dept. had long glum faces and that wailing incantations such as "Back to Square One" and "The sliced bread and what-have-you is well and truly in the fan this time, lads", were to be heard coming from the ground floor of McFadzean. The incantations were well-founded because, although, gentle reader, you may believe this tale of woe, it was known that Gen. Eng. and its customer did not and the sharpening of their rapacious and predatory penalty claws could already be heard!

However all was not lost. In the event there was time for a solution (in fact time enough to cast doubt and have designs upon the virtue of the previously mentioned young lady!) and it proved to be simple. Fortunately the annealers are most popular and many are being manufactured, and hence the simple expedient of "robbing Peter to pay Paul" was carried out. What happens to the last one is anybody's guess.

Are there any morals to be drawn from this story? Maybe not. It is suggested that Oliver Cromwell's advice of putting one's faith in God but keeping one's options open be followed, and, that the nursery rhyme questioning Taffy's integrity be remembered.



I'm still beautiful!

# Section Reports

## HOT AIR BALLOON SECTION

Folks, it looks as though we may have a new social venture a Hot Air Balloon Section! Now, I can hear you saying ..... How on earth could the Athletic and Social Club afford to buy such an expensive hobbyhorse let alone fly it!

Answer ..... It could not, until a sponsor was found.

Finding a sponsor was a question of being in the right place at the right time. Tom Bonikowski found our mark in the coincidences of BICC's change in advertising strategy plus R&EL's preoccupation with the statistics of graduate employment and last, but by no means least, Mr. Banks' desire to foster R&EL social enterprise. We approached him with a scheme for an educational public relations exercise, including a Hot Air Balloon, designed to promote R&EL at university graduate level. The scheme met with his approval and promise of financial support, provided the balloon was offered to our Social Club rather than operated as a private enterprise. This was done and the agreement of the executive council was given. Also, the publicity idea needed the approval of the Publicity Department. Mr. Banks not only obtained this but some of the annual revenue as well.

Gratefully we have found our sponsor and can look forward to a year of campaign and pleasure flying. More about the sport of Hot Air Ballooning in the next issue.

You know something ..... This is my fourth founder membership of an R&EL Athletic and Social Club Section. (Five if you include participating in building our first Bar). Is this a record?

DERRY MOORE

P.S. At the inaugural meeting on 2nd Feb. the following section officers were elected.

Chairman	- Tom Bonikowski	(261)
Treasurer	- Alex Taylor	(Alperton)
Pilot	- Derry Moore	(Alperton)
Secretary	- Darrell Moore	(269)
Maintenance	- Jerry Turner	(209)

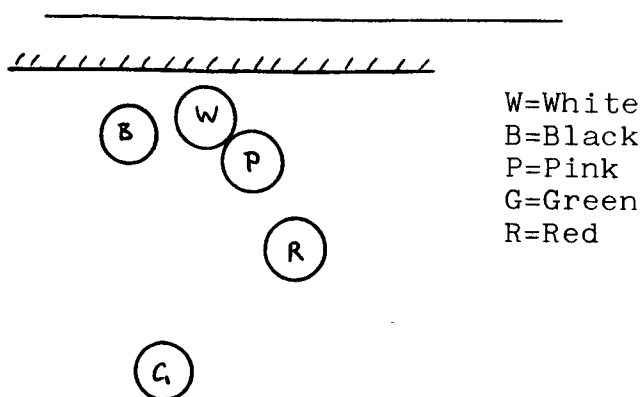


## SNOOKER TOURNAMENT 1978

OR

### POT WHITE '78

The draw for the above tournament has now been made and it is posted on the notice board in the canteen. So far two matches have been played in which "Johnnie" Walker narrowly defeated Glynn Stainthorpe in Group 4 and Keith Elder beat Rob Corne in Group 1. In the latter game Rob achieved a superb snooker with the pink touching the white on one side, the side cushion about a quarter of an inch away on the other side with no space for the white to be played up the table and the black positioned about an inch to an inch and a half away. The red (it was the last one) was directly behind the pink. Keith hit the black in his attempt to escape, losing 7 pts. The diagram below shows the position.

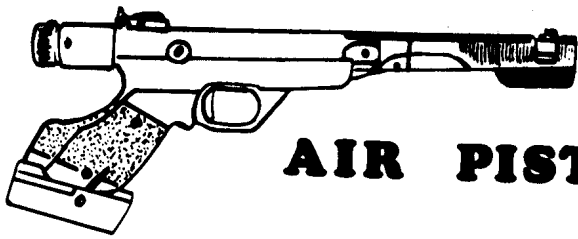


### BADMINTON SECTION

Two matches have been played this month.

On the 25th January, our friends from Marks & Sparks (sorry Spencers) were again our visitors. Another enjoyable evening of mixed doubles badminton ended in a 6-3 win to Wood Lane. All three pairs - Dave Goff & Annette Mattock, Dennis Cooper & Glenys Derrick, Vick Banks & Sandra McCormick - acquitted themselves well, although somewhat nervously at times, to win 2 rubbers each.

On the 1st February, new (at least for 5 or 6 years anyway) frontiers were crossed when a mens match was played against Plessey (Addlestone). Our visitors had two very strong pairs having substantial league experience - the games against these two pairs prompting comments like 'I've never played so hard without winning any points' - and, thankfully, a comparatively weak pair. Needless to say, the match ended in a 6-3 win to Plessey with our gallant pairs - Dave Goff & Denis Groombridge, Bruce Keen & Vic Banks, Tom Bonikowski & Graham Taylor - winning one rubber apiece.



# AIR PISTOL SHOOTING



Member of

Shooting Averages at 2.2.78

Pos.		Ave.	Pos.		Ave.
1	Ian Fennemore	44.6	6	Glynn Stainthorpe	33.3
2	Joe Lou	43.4	7	Tom Dore	30.0
3	Stefan Verne	41.0	8	Roger Roberts	29.0
4	Denis Groombridge	40.1	9	Pat Donovan	26.6
5	Bob Maidlow	39.7	10	Pete Walters	24.6

Seven of the Section's members have become individual members of the National Air Rifle & Pistol Association and have entered the NARPA postal competition. This involves shooting 20 targets at approximately one card per week which have to be officially witnessed. In conjunction with this it is hoped to run an internal tournament open to all members. For further details contact Denis Groombridge, Bob Maidlow or Ian Fennemore.

## MOTORING SECTION

As my requests for the return of the battery "jump leads" have fallen on deaf ears I have purchased a good quality new pair; these are therefore available to any "unfortunates" caught with a flat battery.

"Autobook" workshop manuals can now be obtained with a 35% discount. If you wish to purchase one for your car, or anyone else's, let me know and I will order it for you.

The following books have "gone missing" :

Hillman Minx : Workshop Manual  
 Triumph Herald : "  
 Early Fords : "

Anyone who can help with their whereabouts please 'phone me on 322.

Graham Taylor  
 (Section Secretary)

## FILM SOCIETY

The last show in the current season is on Wednesday, 15th March, and features the French film 'Themroc'. Made in 1972 by Claude Faraldo, the film centres on Themroc, a middle-aged factory worker who lives with his mother and sister in a dreary little flat. He works a humdrum day painting the outside of the factory perimeter fence. An incident at work shakes Themroc out of his rut - he becomes a new but extraordinary creature, communicating in an invented language. He walls off the part of his room accessible from the inside, but knocks out the part facing the street, where he lives with his sister. His action is followed by the family opposite and later the 'cult' begins to spread .....

For those new to Wood Lane, film shows are held every month during the winter. They always take place on a Wednesday, starting at 6.30 pm, in the Main Hall on the fifth floor of McFadzean, finishing usually around 9.30 pm. The bar is open before and after the show, and during the intervals.

Admission is by programme, which should be purchased in advance from one of the Film Section representatives, who normally visit everyone on site (Wood Lane and Alperton) before each show. If for any reason a rep does not reach you, it would be appreciated if you could let me know.

Very soon the society will be holding its AGM, which is the time when the new committee is appointed to run the following season of films. Anyone who is interested in joining this committee will be most welcome, no experience is necessary and we are always glad of extra help and new ideas. Don't hesitate to contact Richard Grigsby or myself.

Lastly, the NFT programme for the remainder of February is given below. Full details of the films are in the NFT booklet which is kept in the Library.

Annette Mattock  
Secretary

### Stop Press

The Film Section AGM has been arranged for March 7th and will take place at 1 pm in the Small Conference Room.

All members are welcome.

20 Mon	NFT1	6.30		<b>Dead of Night</b>	
20 Mon	NFT1		8.45	<b>The Birthday Party</b>	
20 Mon	NFT2	6.15	8.30	<b>Gervaise</b>	EC/EST
21 Tue	NFT1	6.30		<b>Accident</b>	
21 Tue	NFT1		8.45	<b>Laura</b>	
21 Tue	NFT2	6.15	8.30	<b>While the City Sleeps</b>	
22 Wed	NFT1	7.00		<b>Les Misérables (all seats bookable at £1.00)</b>	EC/EST
22 Wed	NFT2	6.15	8.30	<b>Beyond a Reasonable Doubt</b>	
23 Thu	NFT1	6.30	8.45	<b>The Go-Between</b>	
23 Thu	NFT2	6.15		<b>The Tiger of Eschnapur</b>	EST
23 Thu	NFT2		8.30	<b>The Indian Tomb</b>	EST
24 Fri	NFT1	6.30	8.45	<b>M (1951)</b>	
24 Fri	NFT1	11.00 p.m.		<b>Beyond the Valley of the Dolls</b>	
24 Fri	NFT2	6.15	8.30	<b>Therese Raquin</b>	EC
25 Sat	NFT1	4.15	8.45	<b>The Homecoming</b>	
25 Sat	NFT1	6.30		<b>Les Yeux sans Visage</b>	EC/EST
25 Sat	NFT2	3.00		<b>Captains Courageous (J.)</b>	
25 Sat	NFT2	5.10	8.15	<b>La Chartreuse de Parme</b>	EC
26 Sun	NFT1	3.30	8.15	<b>Butley</b>	
26 Sun	NFT1	6.15		<b>The Monk</b>	
26 Sun	NFT2	4.00		<b>Captains Courageous (J.)</b>	
26 Sun	NFT2	6.15	8.30	<b>Une Partie de Compagne/Le Rideau Cramoisi</b>	EC/EST
27 Mon-					
28 Tue	NFT1	2.30 daily		<b>GUN CRAZY (unconfirmed)</b>	
27 Mon	NFT1	6.20	8.45	<b>The Last Tycoon</b>	
27 Mon	NFT2	6.15		<b>The Tiger of Eschnapur</b>	EST
27 Mon	NFT2		8.30	<b>The Indian Tomb</b>	EST
28 Tue	NFT1	6.30		<b>The Thousand Eyes of Dr. Mabuse</b>	EC/EST
28 Tue	NFT1		8.45	<b>Le Plaisir</b>	EC
28 Tue	NFT2	6.15	8.30	<b>Kind Hearts and Coronets</b>	

# Executive Council

An Executive Council meeting was held on Tuesday 17th January 1978. The main part of the meeting was devoted to the proposal for the formation of a Hot Air Ballooning Section. In order that the full information could be given to the Council Mr. A.J. (Derry) Moore attended the meeting to state the case. After some discussion on the planned operation of the Section was agreed that the proposal should be accepted. Further information concerning the new Section can be found elsewhere in this issue.

Application forms from six members and one family member were tabled and all were accepted. The new club membership cards were also approved and have now been issued. Anyone who is a member but has not received a new card should contact Denis Groombridge (tel. 212). Anyone who is not a member but would like to join should contact either Denis or John Heggie (tel. 328).

The proposed date for the next meeting is Wednesday 22nd March.

# Technical Society

The third lecture in this series entitled, "Some aspects of work in the Chemistry Department", was held on the 19th January and introduced by Richard Davies. After a broad introduction covering the type of work carried out by each of the three sections in the Chemistry Department Richard handed over to Olive Drage.

Olive stated that a large proportion of the work in the analytical section came in the form of trouble shooting and covered both inorganic and organic chemistry. She then proceeded to explain how the various types of chromatography play an important part in helping to solve these problems especially in the isolation of trace impurities and how small quantities could be separated by thin layer and somewhat larger amounts by column chromatography. Olive then handed over to Ian Wilson (Applied Chemistry) to talk on Electrofining of Copper.

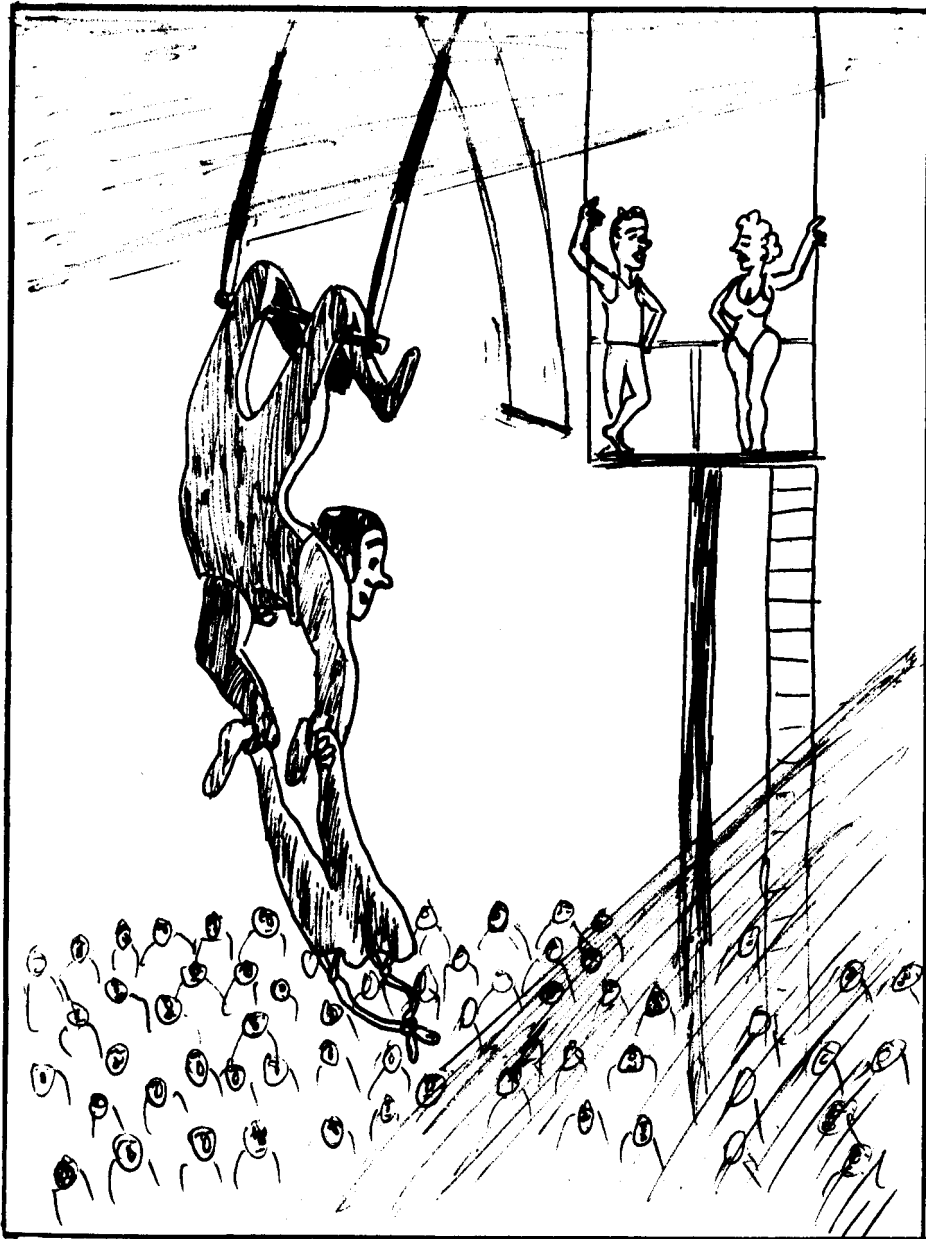
Ian explained how the large scale factory process was ideally suited to simulation in the form of a laboratory model and illustrated his talk with examples of how the copper deposit was affected by small (milligram) additions of additives.

In conclusion Graham Wills took as his theme radiation covering both control and utilisation. Graham mentioned that the use of radiation sources was strictly governed and cautioned the audience that high voltage electrodes in an evacuated vessel can act as a simple X-ray set. The range of radiographic sources available at Wood Lane was then discussed with special emphasis on the fact that they are portable. Examples of the sources and radiographs were on view. The use of radioisotopes in the field of trouble shooting was briefly illustrated by reference to the large number of water permeability measurements that had been made over a period of years and the high degree of sensitivity that could be obtained. Graham then finally outlined the recent developments in radiation crosslinkable insulations. After a short series of questions Richard Davies concluded the lecture.

The next Technical Society meeting will take place on Tuesday 28th February.

# Caption Competition

Exercise your wit by writing a suitable caption for Arthur Boardman's cartoon. The best (publishable) suggestion will receive a £2 prize. Entries to reach Ted Morrison by noon on Monday 6th March.



## For Hire

6-berth Pemberton Caravan, situated at Milford on Sea, Hampshire. Available May-September.

For full details contact: Stuart Castle (Tel. 283).

# Poets Corner II

## "WHO'S FOR BADMINTON?"

If it's Tuesday night and you feel up tight  
And would like to try something new,  
Come and let off steam on the court of green  
With the sociable badminton crew.

Meet our Captain, Vic, who's not very quick  
And runs once or twice, perhaps,  
Or stands at the bar with his pewter jar  
Fiddling tournament handicaps.

Then there's David Goff, his form right off,  
Playing decidedly 'chronic',  
While Graham Taylor nurses his arm  
Wishing he was supersonic.

Also Christabel and Keith Sichel  
With action quite dramatic,  
And Dennis C and Denis G  
Comparatively static.

That a name like Glenys should rhyme with menace  
Is purely coincidental,  
With a firm straight bat and "What d'yer call that?"  
But never temperamental.

Friend Zebedee bon keeps puffing along  
On Phyllosan and tonic,  
While veteran Keen, like a wind machine,  
Flails arms and legs bionic.

And when Eleanor, leaps about the floor,  
It's hockey sticks quite jolly,  
From me to you and "Doctor who?"  
This verse is patent folly.

Finally, Sandra 'Mac', hitting shuttles back  
With delicate imprecision,  
While Eileen King doth malt loaves bring,  
Enough for a whole Division.

These are just a few, of the badminton crew,  
More verses might cost me dearly,  
So suffice to say, that I also play  
And they're all good players, really.

Alan Bangay



# More Bright Ideas

Consequential to the 'Bright Ideas' article in our January issue, quite a few proposals and intentions to propose ideas have been communicated directly to the Secretary of the New Markets Technology Panel. As yet, nothing has reached him via the organizational chain route, probably due to the longer travel time. The Secretary informs us that, although encouraged by the response, he is far from over-whelmed, leave alone poleaxed, by the volume of suggestions.

It has been suggested that the direct route, from Proposer to Secretary, may be a little too far for the more diffident members of our community. In addition, that some members would appreciate more precise guidance than given hitherto. To help overcome these two obstacles, Dr. 'Bob' Black has volunteered to take on the additional function of 'Ideas Counsellor'. He will advise, assist, discuss and, if requested, promote proposals on a person to person basis.

A third suggestion is to hold a Brainstorming Session on New Products and Services for BICC. We are informed that the success of such a session depends substantially on having the right 'rules of the game' and keeping to them. Also that total success depends upon enthusiastic and uninhibited participation by the majority of those present. 'Kibitzers and Devil's Advocates' can attend but N M T P rules would leave them speechless.

So:

More Bright Ideas to John Endacott	393
or resolve doubts with Bob Black	282
and, if you want to attend a Brainstorming Session contact Jean Duffy	375

A session will be held if the response is adequate.

Finally. any suggestions on how to raise idea generation to high output would be welcome in this initial evolutionary phase of the New Markets Technology Panel. Contact John Endacott or Bob Black.

---

"THIS IS MERELY A SPACE-FILLER" .....

(he groaned vacuously)

"My name's Venus" she said disarmingly

"You broke it - you mend it" was the rejoinder

"I keep bees" he droned

"I've had an accident with a circular saw"  
he said off-handedly.

# Cross Number

Not one answer to this competition was received. We can only assume that it was either too difficult, or you couldn't be bothered to send it to us.

For the benefit of you all, here is the complete answer.

	<sup>1</sup> 3			<sup>2</sup> 0		<sup>3</sup> 1			
<sup>4</sup> 1	6		<sup>5</sup> 2	1	0		6	<sup>6</sup> 1	
	0		<sup>7</sup> 0	0	7	<sup>8</sup> 1	9	6	9
<sup>9</sup> 1	0	0	0			0		<sup>10</sup> 1	8
9			<sup>11</sup> 1	6	6	6			4
<sup>12</sup> 3	7		9			<sup>13</sup> 6	3	<sup>14</sup> 1	
9			<sup>15</sup> 1	<sup>16</sup> 4	4			<sup>17</sup> 6	1
	<sup>18</sup> 2	2	4	0		<sup>19</sup> 5		4	
	1				<sup>20</sup> 1	7	8	9	

---

## ALSO SEEN

Queensbury rules KO ?

Roget's Thesaurus rules (dominates, regulates) OK  
(alright, adequately)?

Town criers rule Okez, Okez, Okez?

French diplomacy rules - au Quai

---

# Late News

# "The Angels" Christmas Party

We'd like to thank everyone for coming to our Party on the 16th December, it was nice to see everyone enjoying themselves so much as the photos show. Everyone was very friendly towards each other, some a bit too friendly by the looks of it, but they are just good friends at least that's what we were told.

We had a 'Twisting' competition which was won by Maureen Ayres and Rob Corne (he seemed to be twisting the night away with all the girls at Wood Lane). Well I can't think of anything more 'Corney' to say about this event (OUCH). But we are glad you enjoyed yourself Rob.

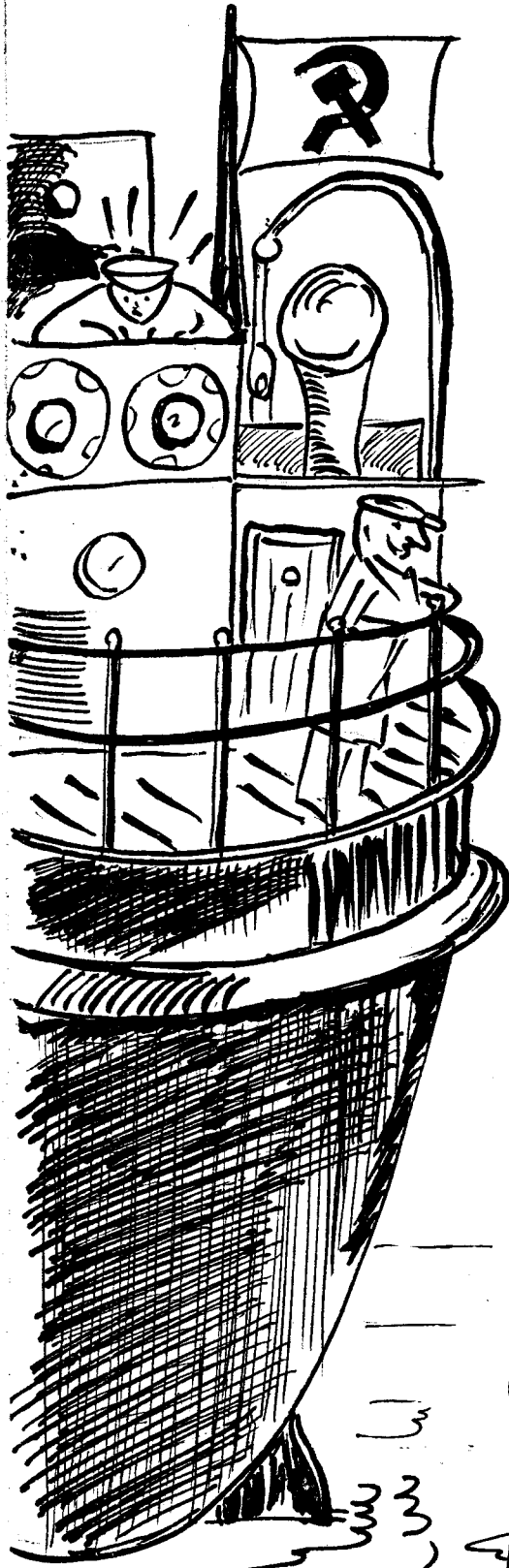
We would like to say a big THANKYOU to all those who helped prepare the food, serve the drinks and provide the music; particularly Jerry Turner and Ken Edney who lent the music equipment and Jerry again for doing the taping.

Anyway we all hope you will come again when we have another party.

LOVE FROM THE ANGELS

\*\*\*\*





# Fishermen selling catches to Russian factory ships

By GODFREY BROWN, Agricultural Correspondent

LARGE sums of money are being earned by some British fishermen who are selling their catches of mackerel to giant Russian factory ships off the Cornish coast.

"A deckhand on an 80 to 90 foot <sup>Scout</sup>

ACKNOWLEDGEMENT. DAILY TELEGRAPH 3.2.78.



HOW MUCH FOR TWO SPURDOGS AND A POUTING ?

GFB