

BUSH

July 1979

TELEGRAPH



BUSH

vol. 21 no. 8

TELEGRAPH

the magazine of

R&EL

wood lane



Cover

Aspects of
April's cover.
by Harry Charman

Editorial Board

David Green
Denis Groombridge
Mike Hagger
Richard Hammond
Geoff Holder
Ann Kirby
Ted Morrison



Editorial

If your colleagues have been arriving at work looking fractionally less harassed recently it is possibly because of the welcome exodus of businesses from the private road. No longer do pedestrians have to hurdle over cardboard boxes outside the cigarette company or walk in the road to avoid the anti-social parking. No longer are drivers obliged to negotiate the double (or even triple) parking which occurred so frequently. The coach firm and the HGV training school have gone, along with the car delivery park and the alsatian dogs. We are left, and by a strange psychological quirk it seems a muted force by itself, with the lorry park, and the rumours are that its days too are numbered.

As Fran Lam recently stressed (April BT) things may get worse before they finally get better, but in the meantime we must be thankful for small mercies and enjoy the comparative calm of this intermission. In the longer term we must be grateful that things are on the move at last.

Personnel News

STARTERS

Welcome to:-

Mr. A.G. Goodsir who joins us as a Storekeeper/General Assistant in the Product Engineering Department (Alperton).

Mr. P. Aujla who joins us as a Craft Apprentice in Works Engineering

LEAVERS

Farewell to:-

Suhas Kulkarni of Product Engineering who leaves after 14 years service to take up alternative employment.

Eleanor Tarbox who leaves the Communications Department after 22 months to do research work at Southampton University.

TRANSFERS

Eric Chawner transfers from Corrosion to Chemistry.

Adrian Cole transfers from Corrosion to Metallurgy.

Alex Charalambous transfers from Transmission and Energy to Product Engineering.

Diary of Events

Date	Event	For Information
Mon 23rd July	Film Poll closes	Mike Dennis
Wed 1st Aug	Pitch 'n' Putt, 6 pm Gunnersbury Park	Stuart Castle
Mon 6th Aug	Last Day for contributions to BT	Editorial Board
Mon 20th Aug	Publication Day for BT	Editorial Board
Fri 21st Sept	Disco (provisional)	Yvonne Ferrier
<u>Regular Events</u>		
Tuesdays and Thursdays	Badminton Tennis	Vic Banks Terry Alleyne
Thursdays	Air Pistol Shooting	Denis Groombridge or Peter Walters
Weekends	Hot-Air Ballooning	Roger Millward or Denis Groombridge

Biccarella

NUCLEAR WASTE
'GOES THRO'


HERE,
STOP IT!

ENGINEERING WORKS
WEEKEND

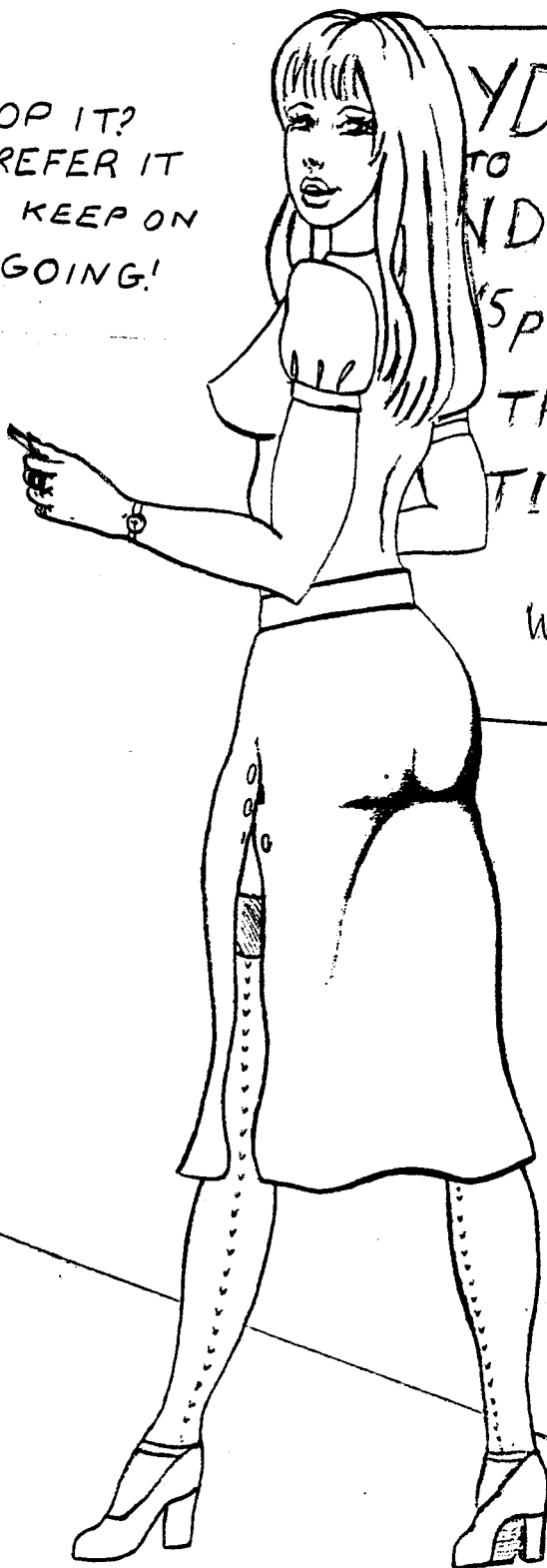
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BR

STOP IT?  
I'D PREFER IT  
TO KEEP ON  
GOING!

YDAY  
TO  
NDON  
5P  
THIS  
ATION

WWW  
WWW  
BR SR



4/11/77

# Health and Safety

The following is a summary of the business of the meeting of the BREL Health and Safety Committee, held on 4th July.

## Labelling of Chemical Containers

The draft "Recommendations" document had been revised and would now be submitted for Management's approval.

## Chemical Store

Various quotations were now under review.

The question of planning permission also needed clarification.

## Fire Regulations

A number of points raised by members of the H&SC following the first re-draft would be incorporated.

## Cleaning and Sanitation

The improvement previously noted had regrettably not been maintained. There had been many complaints, particularly with regard to some of the toilets. Floors, walls, ledges were not being cleaned often enough or thoroughly enough.

A copy of the cleaners' schedule obtained by GFH and RM would be circulated to all members of the H&SC so that it could be compared in detail with what was being done.

## Publicity

JH and RWH promised items for the August issue of the B.T.

## Prescription Safety Glasses

A pair was to be issued to one member of Staff. JH would take up with Management all cases submitted to him by Heads of Department.

## Laboratory Coats

JH promised to investigate the various complaints.

## Review of Accident Reports

As a result of an accident while manually handling an 8 ft x 4 ft sheet of LOG steel, the necessity for such handling was discussed. As a first step, it had already been decided that such large, heavy sheets would no longer be stocked, but it was also re-emphasised that this sort of operation should only be carried out when sufficient hands were available.

The use of "magnetic handles" for such operations would be investigated.

Two minor accidents involving drilling of metal sheet were noted. The necessity for wearing eye-protection, and for ensuring that the sheet was securely clamped, needed re-emphasis.

### Ladders

W.E.D. would be asked to devise a suitable system for maintenance and inspection, on the lines laid down in the Group manual on the subject.

### Solvents etc.

Recent developments in the USA were discussed. An OSHA report dealing with potential carcinogenic effects included trichloroethylene. A laboratory notice would be issued, but in the meantime, data re handling, storage and use for cleaning, degreasing etc. were available from R.W. Hall.

### Speeding on Site

A number of cases of the 10 mph speed limit being exceeded were noted. Where the offenders were members of staff, they were warned that permission to bring their vehicle on site could be withdrawn. In the case of visitors, in particular delivery vehicles, the gatekeeper would be asked to take the necessary steps to bring the speed limit to their notice.

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# Poets Corner

## FAMILY TREE

Whose father knew the great Lloyd George?  
It seems that mine did not.  
Nor do I have a coat of arms,  
A drab, schistaceous lot.

No VC in my lineage  
To light the family tree,  
Just grandpa Bill, 4th foot of foot,  
With roots in NAAFI tea.

Not e'en a notoriety  
To take a pride of place.  
Once thought I had a pirate kin;  
He sank without a trace.

Of course, I've found a noble link  
To make the tree complete;  
Ninth cousin Jack, ten times removed  
From well-known country seat.

Why did I start this endless search?  
The question's often raised;  
When someone says you lucky B,  
It needs to be appraised.

Alan Bangay  
25th June 1979

# Dysphagian Diary

(the occasional column written by Hacks)

The economic forecasts are gradually getting gloomier and, depending upon your politics, it is either the fault of the present government or the previous one. The latest outpouring came from ITEM (the Independent Treasury Economic Model Club) which is sponsored by Scicon Computer Services. A recent advertisement for the Club asked that people wishing to learn more of its activities should contact, very appropriately, Mr. Guess.

\* \* \* \* \*

If the British economy ran as well as Marks and Spencer the word "gloom" would probably disappear from the English language. One of their key objectives has always been to support British industry and they still claim that over 90% of their goods are home-produced. Even so our Culinary Correspondent recently found a small packet in the vegetable section marked "Made in Sweden". It was "Instant Mashed Swede". Obviously just the thing for your next smorgasbord.

\* \* \* \* \*

Sweden, in the person of Bjorn Borg, retained its grip on the Mens Singles at Wimbledon this year. Despite the early scare of a groin strain (or gröjn strajn as Clive James called it) the mighty Swede won through to defeat Roscoe Tanner III in a pulsating final. As well as his £18,000 "peanuts" prize money Borg has reputedly been offered £2½ million by a sportswear manufacturer to change his racket!

If anyone knows a decent racket we can change to.....

\* \* \* \* \*

There are obviously some good jobs in the computer field if the Daily Telegraph is anything to go by. In a recent report on an Appeal Court case the apellant was described as "a computer spectator".

Maurice Rothman will be interviewing prospective spectators next week. Applicants will be required to stand for 2½ hours behind a wire barrier and surrounded by police. Ability to throw perforated rolls of paper will be an advantage, and candidates must learn a variety of obscene chants including:

"10-100-110-1000  
Who do we appreciate?"  
I-B-M.

\* \* \* \* \*

Our last line this month is again courtesy of Mike Fox who received a letter from USA with a new stamp publicising "Endangered Flora". The pictured plant was "Persistent Trillium"!

# The History of Electric Wires and Cables

## PART 18. THREE PHASE BELTED CABLES (Continued)

By R.M. Black

### County of Durham Electric Power Distribution Company

In 1905 the County of Durham E.P.D. Company placed orders with the B.I. Wire Company and with Allgemeine Electricitats Gesellschaft (AEG) of Berlin for a total of fifty miles of 0.025 square inch, 20 kV paper insulated three-core cable for the large scale electricity distribution scheme then in progress on the North-East coast. The cable, of belted construction and 'clover leaf' pattern, was the first cable for this voltage to be supplied in this country. It was intended to be used for AC power transmission (delta working).

In the design of cable the thickness of impregnated paper insulation between the conductors and between the conductors and the lead sheath was 0.50 inch. The thickness of lead used for the sheath was 0.14 inch. The electric stress in the dielectric was calculated to be 26 kV/cm maximum, which was higher than any hitherto employed in paper insulated cables. This was, however, necessary with the higher operating voltage in order to reduce the dimensions of the cable to within practical limits for the techniques then employed for handling and laying. It was this factor more than any other which was responsible for the attention which was at this time being increasingly paid to the improvement of the electrical properties of the insulation.

Details are still available of the type of tests to which these cables were subjected after manufacture. In addition to a flash test of 90 kV, the cables were subjected to the following:-

1. After bending the cable round a mandrel twelve times its own diameter, the cable was subjected to a flash test of 80 kV and then to the application of 50 kV for a period of one hour.
2. The cable was run unloaded at 20 kV for seven hours at a frequency of 70 Hz until it reached a constant temperature.
3. A current of 2 000 amps/sq.in. was passed through all the three cores connected in series until the temperature of the conductor reached 129°F. The cable was then subjected to 50 kV at 100 Hz for 15 minutes.
4. The cable was then immersed in water at 150°F for four days followed by the application of 30 kV at 75 Hz. After 9.5 hours, the insulation and copper resistance had become constant and the temperature of the cable rose by 16°F.



5. Test No. 4 was repeated but the immersion only continued for 24 hours.
6. A ten foot length of the cable was held at a temperature of 150°F for 7 days when it withstood an applied voltage of 90 kV.

The cable (Fig. 1) was laid from Backworth to Chirton Grange, and it is recorded that after being in service for only one year it finally broke down and had to be wholly replaced. The replacement, it is said, proved entirely satisfactory.

#### Underground Electric Railways Company: London District Line

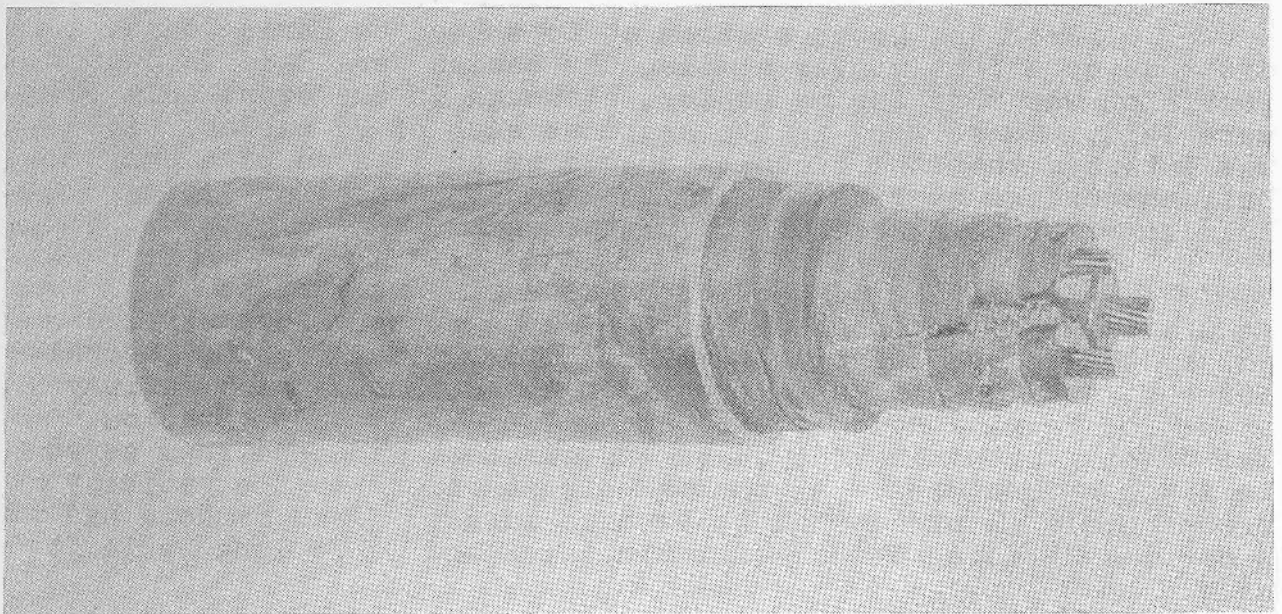
During the period 1904 to 1906, a great system of over 285 miles of 11 kV high tension cables was laid from the power station at Lots Road to the various sub-stations on the London District Railway. About 78 miles of this cable was laid between Lots Road and Earls Court and from Earls Court to Charing Cross was designed as supply cables to the Great Northern and Brompton, the Baker Street and Waterloo and the Charing Cross and Hampstead Railways. The greater part of the cable, some 202 miles, was supplied by British Insulated and Helsby Cables Limited, but other cable companies were also concerned in the contract: Callender's Cable and Construction Company supplied about 40 miles of the cable, W.T. Henley's Telegraph Works Company supplied 8 miles and The Electrical Company the remaining 32 miles.

The cable (Fig. 2) was described as "Class A, 3-core paper insulated lead sheathed cable with 0.25 square inch segmental shaped (clover leaf) copper conductors". All the cables were made to the specification provided by the Underground Electric Railways Company, the lead sheathing being specified of exceptional thickness.

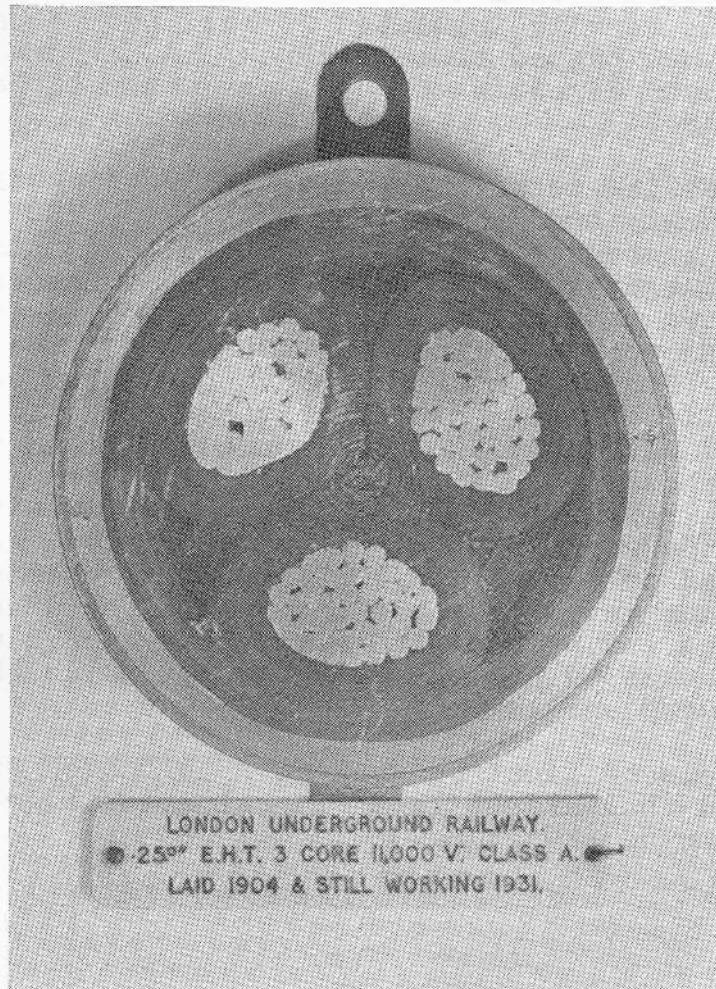
The cables supplied by the B.I. Company were of three sizes:-

|                                                                  |        |        |        |
|------------------------------------------------------------------|--------|--------|--------|
| Conductor No/IWG                                                 | 37/15  | 37/14  | 37/13  |
| Sectional area (sq.in.)                                          | 0.15   | 0.19   | 0.25   |
| Max. resistance at 60°F<br>(ohms/1000 ft)                        | 0.054  | 0.044  | 0.034  |
| Insulation thickness between<br>conductors (in.)                 | 0.4375 | 0.4375 | 0.4375 |
| Insulation thickness<br>conductors to earth (in.)                | 0.4375 | 0.4375 | 0.4375 |
| Thickness of each insulating<br>paper (in.)                      | 0.005  | 0.005  | 0.005  |
| Thickness of lead sheath (in.)                                   | 0.1875 | 0.1875 | 0.1875 |
| Approx. overall diameter (in.)                                   | 2.65   | 2.78   | 2.94   |
| Approx. diameter of<br>finished joints (in.)                     | 4.0    | 4.2    | 4.4    |
| Approx. max. insulation<br>resistance per mile at 60°F<br>(Mohm) | 500    | 500    | 500    |

After manufacture these cables were subjected at the factory to a flash test of 33 kV at 33.33 Hz. After laying and jointing a further test was carried out which involved the application of a voltage of 22 kV for one hour.



Section of the  
cable supplied by  
two wires - 0.12  
soft copper wires  
of the standard  
and suitable for  
insulation  
The cores  
with  
copper braid  
compound  
insulation



LONDON UNDERGROUND RAILWAY.  
25<sup>000</sup> E.H.T. 3 CORE 11,000 V. CLASS A. ←  
LAID 1904 & STILL WORKING 1931.

From the power station at Lots Road to Earls Court, a distance of slightly over a mile, the cables were laid in ducts. Provision was made for 64 cables, although in the event only 56 were laid. These were in two sections each of 28 cables. It was intended that the circuits should be duplicated with only half the cables operated at any one time the remainder being held in reserve in case of accident.

The laying of the octagonal earthenware ducts, manufactured by Doultons at their Lambeth pottery, was carried out by Callenders starting in 1903. After passing along several streets, the line of ducts finally reached the District Railway by way of Warwick Road at the west end of Earls Court Station. The trench containing the ducts was six feet wide and from seven to sixteen feet deep. At the manhole positions in the vicinity of the cable joints it had to be made larger. Each manhole had a central dividing brick wall, 9in thick and 18 ft long by 11 ft wide.

Further information as to the construction of the cables has been reported in connection with those supplied by the Callender Company. The cables were of two sizes:- 0.15 sq.in. and 0.25 sq.in., the conductors being soft copper wires the conductivity of which was not less than 99% of the standard conductivity (Matthiesons) for pure copper. The dielectric for each core consisted of manilla paper thoroughly impregnated with "fine bitumen and oil prepared for the purpose". The cores were cabled together with a long lay, made up circular with paper fillers and finally insulated overall with a paper belt. The cores were then passed through a wax and bitumen compound and the lead sheath directly extruded on to the cable under hydraulic pressure.

Interesting details are also included in the publication "Tramway and Railway World" (9 Feb. 1905, p 131) of the jointing procedure adopted. The lead and insulation of each cable was cut back at the ends, and the three copper cores of each cable were then cut so as to butt solid against each other. The cores were cut in such a manner that the joints were 'stepped'. Over the ends of the copper cores copper ferrules were slipped and these were sweated on. The ferrules were then lapped with special high insulation linen tape and painted with composition. After each of the three joints had been made, three rings of high insulation tape were wrapped around to keep the cores in their proper position. A lead sleeve, which had previously been slipped over the end of one of the cables, was moved into position and wiped down into a lead ring at each end. This sleeve was then filled up solid with a special compound and the hole through which the compound had been introduced sealed.

This electrification work for the London District Line constituted the largest 11 kV installation ever undertaken in the country up to that time.

(to be continued)

# Section Reports

## CRICKET SECTION

Match Report v UNIGATE (21st June 1979)

The 2nd round of the Hammersmith K.O. Competition brought the Wood Lane occasionals into conflict with our old adversaries from Unigate, and if you would prefer not to read the depressing details stop here - we lost.

Those with good memories, or a hot line to the Met Office, will remember that Thursday 21st June was overcast all day and broke into a steady drizzle about 5 pm. By the time we reached the Hounslow Cricket Club the ground was well saturated, but the rain stopped, Terry Alleyne won the toss and elected to field and the gods smiled benignly on Unigate and brought forth more rain. There is nothing more depressing for a fielding side than a slippery surface and a ball that can't be gripped, and Unigate took full advantage of the situation. Peter Raw, Bob Dean, and Terry Alleyne all tried hard to stem the flow but without success. Only Bob Lewis, with the rain still battering down, had any luck taking a couple of late wickets, but a total of 118-4 was a formidable target.

With a perfect sense of timing the rain stopped between the innings. Wood Lane went in to bat and by the second over had lost Vic Banks, Terry and Bob Dean for 6 runs. Bob Lewis and Peter Raw made a determined effort to repair the damage taking the score to 47 before Bob was caught for a fine 26. Peter was out soon after for 27 and the tail then collapsed leaving Unigate the victors by 56 runs.

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### 6-a-side Cricket

Metallurgy Department retained their 6-a-side cricket title beating Project Engineering in the final. Full report next month.

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## HORTICULTURAL SECTION

We have some National Growmore Fertiliser available at 50p per 5 kg (11 lbs). We have ordered supplies of Elvaron and Milfaron, which are active against Black Spot and Mildew on roses and soft fruit, this will be in units which are soluble in water to spray onto infected areas. The anticipated price will be about 30p per unit which should be less than half the manufacturers recommended price.

F.S. Walker (279)

# Gabrielle

After her successful baptism (in the River Trent) last year, Gabrielle paid a second visit to Nottingham University on Tuesday June 20th, this time to a certain amount of pre-publicity in the form of a raffle at 5p a ticket for a ride in the basket (weather permitting), the money raised to go to one of the Students' Union pet charities (I forget which one). After the usual wait for the treacherous thermal activity to die down, a few people had a ride with the balloon on a tether, while the raffle was drawn. Eventually, Ray Bailey was able to decide that a free flight was 'on', and with a gentle wind from almost exactly due South, to carry us away from the E. Midlands Airport control zone, the prospects looked good.....

The rest of this account was penned by the raffle winner, who works full-time in the Students' Union office.

## Tremendous, Amazing, Breathtaking, Exhilarating

These are just a few adjectives that help describe my journey in the B.I.C.C. hot air balloon.

I arrived at work on Tuesday 20th June thinking this was just a normal working day, little realising the excitement in store for me. At about 3.30 pm we were sitting in the Students' Union at Nottingham University when we were informed we could buy raffle tickets for a ride in the Hot Air Balloon which was due to go up at 4.30 pm. Less than two hours later I found myself 1,000 feet up above the City of Nottingham alongside an employee of B.I.C.C. Geoff Holder and the Pilot, Ray Bailey.

It was a very clear sky and after the initial apprehension I was able to relax and enjoy the tremendous view.

The first thing that struck me was the tranquillity and sense of weightlessness up high above the rooftops of Nottingham.

As we plotted our route and identified the various landmarks which included Wollaton Hall and Sherwood Forest, the pilot explained the procedure for landing the craft, and the reasons for the fluctuating height over the terrain.

One of the most interesting features of the landscape was that most of the housing estates and shopping precincts are carefully planned to create a circular pattern and from the air this was especially attractive. The first attempt to land the craft was very exciting. We brushed the tops of trees to slow us down and then at one point we were so low we brushed the top of a crop of barley and I could hear the basket on the ears as we passed over them.

We landed in a clearing with one or two young tree stumps to contend with. After considering our position the pilot decided to move to a place that would be more convenient for the rescue vehicle to load the craft.

Geoff Holder alighted at this stage to reduce the load. We next landed in a potato field where because of shortage of fuel it was decided the pilot should fly on alone. A few anxious

moments for me as I stepped out of the Basket and the pilot who had been attempting to land the craft clambered back.

We eventually met up again some 20 minutes later and after loading the craft we drove away only to encounter another Hot Air Balloon enthusiast who came down within yards of us.

As I reflect upon the experience I am filled with the same feelings of wonder before I literally come down to earth again.

Mary Hart

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Rod Birkenhead of Helsby submitted the following article (how difficult to write with one arm up your back). His main interests were flying gliders and teaching sailing.

#### A SEDUCTION (OF SORTS)

A date and time has been set, a venue decided upon, and a royal command issued - come and meet Gabrielle.

Around the appointed hour, she arrives, surrounded by escorts of varying ages, in transport that has seen better days, but she doesn't seem to mind, for at this stage she is very placid, sitting there in her warm overcoat.

After a lot of stimulating chat, the escorts help our lady from her carriage, and her favourites strip off the coarse overcoat and gently lay her upon the green sward.

The lady's personal champion then commences to caress here with warm breaths, gradually increasing to fierce passionate heat, as her escorts become almost exhausted with restraining the lady, overcome with the heat of the moment Gabrielle, rising slowly, gains her feet, standing there magnificently curvaceous, warm and beautiful to behold, a sight to stir the most disinterested viewer. This then is the Gabrielle I have travelled far to meet.

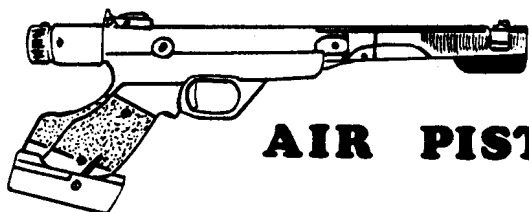
A few moments later carried with care in her basket, I ascend to the clouds, (my second home) once again, but with what changes! This is the moment I have waited for - how can one describe the feeling - so smooth - silent - calm - beautiful, so akin to gliding but yet so - so different, countryside flowing below - animals suddenly moving (must be too low), looking around, other friends of Gabrielle's following, others ahead - the sight so magnificent, everywhere one looks - beautiful shapes and colours, fantastic, close to eighty gorgeous ladies (and perhaps gents) drifting on the wind, all with some far destination in mind.

Alas some ninety minutes later Gabrielle tires and feels gently for the ground and on touching, loses all the warmth that had sustained her, collapsing into a pale shadow of herself - a saddening sight to be helped back into her overcoat, escorts arriving with the carriage for the journey home.

Altogether a shattering experience, our Katy (K8) and MEISE (Olympia) will become neglected and sailing my GP 14 will seem insignificant - Oh Gabrielle, when can I warm you again!!

Obviously another successful seduction by the notorious Gabrielle. One can almost hear her saying - Who's next?

It truly is tremendous - BUT - for those who having read this article are now seriously considering trying ballooning THEN TAKE MY ADVICE AND DON'T - YOU WOULDN'T LIKE IT AT ALL, why not take up walking, climbing or air pistol shooting, PLEASE...



## AIR PISTOL SHOOTING



Shooting Averages as on 9th July 1979.

| Name             | Highest Score | Average | Position | Name       | Highest Score | Average | Position |
|------------------|---------------|---------|----------|------------|---------------|---------|----------|
| D.R. Groombridge | 50            | 43.00   | 1        | J. Walters | 44            | 28.25   | 4        |
| S. Verne         | 48            | 42.60   | 2        | P. Walters | 46            | 21.00   | 5        |
| R.G. Maidlow     | 48            | 39.50   | 3        |            |               |         |          |

Denis Groombridge returned to displace Stefan Verne from leading place in the averages during June. Whilst Denis maintained a steady score of 43 (give or take the occasional 40 and 46), Stefan was slightly more "erratic" with scores from 36 to 48 (mostly over 40, though). Bob Maidlow appears to have beaten-off Janet Walters' challenge for third place, for the time being, while Peter Walters continues his steady decline. On present form, Peter should be able to equal his lowest score (0) in the near future.

My last appeal (in May) for a return to the fold of some of our former regular members (and any newcomers who wish to try their hand) produced an improvement in the weekly attendance, as I acknowledged last month. Unfortunately this proved to be only a temporary phenomenon, possibly due to summer holidays and the like, so we still have plenty of room, time and equipment for new shooters. Shooting is held in the 4th floor canteen on Thursday evening from 6 pm onwards.



# The Film Column

THE FILM POLL Have you voted yet? If not, please fill in the poll form NOW and send it to Michael Dennis without delay - closing date is Monday 23rd July. This will help to ensure that the films that you, rather than the Film Committee, want to see are shown.

IS THIS A RECORD? Malcolm Lester tells us that during his recent visit to Electrak in Washington he paid a visit to the cinema of the Smithsonian Institution's Air and Space Museum. The cinema's screen is claimed to be as tall as a five-storey building, which could well constitute a world record. Does any reader have any more information on this screen, on what is the world's largest screen?

## RINGS AND THINGS

The Lord of the Rings  
Is one of those things.  
If you like it you do.  
If you don't, then you boo.

Professor Tolkien's pointed verse could also apply to the reviews following the recent opening of the 'film of the book' in the West End. Nevertheless, the film has been a hit at the box office in the USA despite similar critical reactions there. Not having seen it at the time of writing, we would only comment that it should be worth seeing, if only to study the unusual animation techniques employed.

Unlike the traditional 'Tom and Jerry' type cartoons, it is claimed that THE LORD OF THE RINGS is as close in form to life as it is possible to get with animation. A technique called ROTOSCOPE, based on the Xerox copying principle with a few sophisticated additions, has been used particularly for the battle scenes. Each scene was first shot with live actors, and then each individual celluloid frame was painted over to create 'Phantoms of the imagination'. These animated sequences were subsequently inter-mixed with the more traditional graphic style of drawn images.

NATIONAL FILM THEATRE Lots of good things at the NFT in August, but the highlight must be the special season to celebrate Alfred Hitchcock's 80th birthday. This concentrates on his English films (a season of his Hollywood films may follow later) from THE PLEASURE GARDEN in 1925 to his last British film JAMAICA INN in 1939, and taking in along the way such landmarks as the first British talkie, BLACKMAIL, his first version of THE MAN WHO KNEW TOO MUCH and SABOTAGE. There are seasons devoted to the films of the British documentarist Paul Rotha and the French director Marcel L'Herbier. And, last but not least, a season of British Science Fiction. The 29 programmes include THINGS TO COME, SEVEN DAYS TO NOON, THE MAN IN THE WHITE SUIT, ZARDOZ, THE MAN WHO FELL TO EARTH, and, especially for the kids, DR WHO AND THE DALEKS and THUNDERBIRDS ARE GO.



FILM RECOMMENDATION      The new James Bond, MOONRAKER,  
reckoned by our informant to be the best Bond film yet.  
At the Odeon, Leicester Square, and soon to go on release.

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GENEALOGY SECTION

Mike Hagger and Albert Pinching recently attended a joint meeting with representatives of other London area societies to discuss the possibility of combining forces for the production of a directory of members' interests. It was agreed to pursue the matter and report back at the end of September.

Lord Teviot's "Public Records (Amendment) Bill", which was lost at the dissolution, was due to have been re-introduced recently. The bill seeks to make records of Births, Deaths and Marriages over 100 years old freely available as public records. Unfortunately, according to "Hansard", the bill was withdrawn. No details are known of the reason behind this move.

News has been received that the Middlesex section of the Greater London Record Office has closed, and the London section at County Hall will close on 31st August. The two sections are to be combined into a United Greater London Record Office, due to open in Room B21 at County Hall on 2nd January 1980.

After a wait of 18 months we have now received the second map of registration districts for England and Wales, which covers the period 1852-1946. Anybody wishing to consult this map, or the earlier one, please contact the secretary.

Mike Hagger

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TENNIS SECTION

Stirred by Wimbledon the tennis section has sprung back to life. Anyone wanting a game, Tuesdays or Thursdays should contact Terry Alleyne (341).

# Balfour Beatty Annual Sports Day

(an appreciation by a Lady Footballer)

Having never been to a BICC Sports Day, due to the fact that it's the first one they've had since I joined, I felt I should go along and see what everyone was raving about, plus the fact that somehow I had ended up in the ladies football team!?!

I managed to emerge in time to catch the 11.00 a.m. coach which was leaving Wood Lane on Saturday, 30th June for the journey to the Balfour Beatty Sports Ground. After having been driven sleepily through London (ignoring various comments along the way with regard to my capability of participating in a football match) we eventually arrived at the said ground. I was impressed, the grounds were very well kept and the facilities much appreciated!!! (Especially after a long journey).

By some extra sense I seemed to be drawn towards the Marquee, not knowing what lay within; I soon made myself familiar with its contents, and I found Les Marriage, Frank Poulton and Lesley Marti who clearly knew "what their right arm's for". "The beer tent", as it was commonly known, was very well organised with its various optics, ice buckets and beer pumps.

At 1.30 p.m. the bionic men from Wood Lane ventured on to the field for a game with Blundell Street. As they walked on the words of a song came to mind, the one that goes "Nice Face, Shame About the Legs". Funny that, Terry? After a fine run and a splendid goal from Blundell Street making the score 1-0 Tony, with his powerful right leg, scored the equalising goal. Despite a fine display of goal-keeping by Denis and some expert tackling by Steve, Blundell Street somehow managed to slip another one passed us, making the final score 2-1. If Keith had, shall we say, "soldiered on" a little longer, then perhaps we might have won. Never mind, good game! good game!

Then it happened - my cool, calm, collected self panicked as Roger bellowed from afar "Get on that field Wood Lane ladies". How could we argue with those soft dulcet tones! (cough). We walked on to the field and could just about hear the encouraging cheers of the spectators under the noise of knocking knees, chattering teeth and the creaking of bones. We managed a few minutes silence for the kick-off then the game began with Yvonne dribbling (too much liquid from 'that tent' probably) down towards our opponents' goal with Sandra on her right and Lesley on her left. To our amazement they were stopped in action by one of the Balfour Kilpatrick ladies. The game went backwards and forwards for a while until Sandra, the birthday girl of the day, got bored and thought that it was about time the score became 1-0, so as she took the ball off the Balfour Kilpatrick girl. Lesley came flying up going straight through Sandra's legs and got a splend goal. Well done girls. The game had now become very serious. Within minutes Balfour Kilpatrick scored a goal making it 1-1. Amidst all the excitement Marian, who had lost all sense of delicacy, gave the ball an almighty kick, only for it to come to a sudden halt nearly injuring the referee for ever. However, his recovery was quick as she approached him to see if he was alright!

The final outcome of the game had to be decided upon penalties, and the least said about them the better. Congratulations to Balfour Kilpatrick for winning the game, and especially to their very experienced football player, who got us very worried, whom we nicknamed "speedy". We would also like to thank Barbara, our goal-keeper, for being so brave.

Chris Finney, our expert on nutrition, and who seemed to have a sample of all the various foods that were available, concluded that the buffet was delicious, her plate consisted of:- chicken in breadcrumbs, pork pie, egg pie, sausage rolls, french bread and cheese. Chris then sampled the tea and cakes, and just in case she was still hungry, a bowl of strawberries and cream were standing by.

Wanting to forget the result of our match, I made my way over to the BICC balloon where the pilot of the day, Kathie Applebee, and various other members of the balloon section were trying very hard to get airborne. With help from the spectators they nearly did, but unfortunately the wind was just that little bit too strong and they didn't quite make it. A very good try though, it was as good as up.

In the evening there was a Disco, the lights were low, the music was sweet, and the Oliyias and Johns of Wood Lane, and a few others, alias The Christines, Yvonne, Carol, Mary, Sandra, Lesley, Marian, Vic, Martin, Keith, Terry, Bob, Ian, Andy, Charlie, Dave, The Coach Driver and Lesley's dad, invaded the floor and lost the last bit of energy they had left. Shattered and slightly under the influence of the "Marquee" they eventually found the coach, climbed its mountainous stairs, tiptoed on to it, where the children (and a few stray adults) were in dreamland, fell into their seats and were driven safely back to Wood Lane.

I would like to thank Balfour Beatty very much on behalf of Wood Lane for a very nice day, and also everybody who participated and spectated. I now know what everyone was raving about. See you all next year.

\* \* \* \* \*

The photos opposite show some of the candid scenes from the day, and, were taken by Ian Fennemore and Roger Roberts. The coach trip was also organised by Roger to whom much thanks.

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## Sit. Vac.

A once in a lifetime opportunity could be coming your way.

Instead of just talking about it, this could be your big chance to prove that YOU can run bigger and better Discos. A tentative booking has been made for September 21st and as I will be on holiday just prior to this date it would provide an opportune moment for you to prove your entrepreneurial skills. This temporary vacancy could turn into a permanent one as my holiday consists of going Hot-air ballooning at the British Championships. If you would like to be considered for this vacancy please contact Yvonne Ferrier Physics Dept (x 281).



# Have a shot at this

You've done it again - found between you about 40-odd words which I didn't know I had included! But I had to rule most of them out on various grounds, mainly that any possible connection with weapons was just too tenuous to be acceptable, (e.g. CAR, HELM, SPAR etc.) or that they were living beings and, though part of a "system" perhaps, could not really be thought of as weapons (e.g. G.I., HUN, MOKE, MARINE). Some others, though involving the use of weapons, were too general to be construed as weapons or systems in themselves (e.g. RAID, HUNT, BATTLE, WAR). So after much deliberation and burning of the midnight oil, the list was reduced to my original 165 (which already included about 8 rather dubious ones) plus another 16 deemed "allowable" among those claimed by various people. (But NOT the one who suggested AUNT, on the grounds that his was "an old battleaxe", nor the metaphorical PEN which is "mightier than the sword!" Nor 139 of those written down by one hopeful who shall be nameless (unless he does it next time!) which had not the faintest connection with the subject).

The full list of 181 is as follows, with a word or two of explanation where necessary.

A.A. (anti-aircraft), AIRCRAFT, AIRCRAFT-CARRIER, AIRGUN, AMMUNITION, ARM, ARMOUR, ARQUEBUS, ARROW, ASDIC, ASSEGAI, ATOM, AX, AXE (both spellings are in O.E.D.), BALL (to go with musket or cannon), BALLISTA, BALLOON, BATTLEAXE, BAYONET, BAZOOKA, BLACKJACK, BLITZ, BLOWPIPE, BLUDGEON, BOAT, BOFORS, BOLAS, BOLT (with crossbow), BOMB, BOMBARD, BOOM (harbour defence), BOOMERANG, BOW, BREN-GUN, BUCKSHOT, BUG (mini-transmitter), BULLET, CANNON, CARBINE, CARTRIDGE, CASTLE, CAT (variety of whip), CATAPULT, CHARGE, CLAYMORE, CLUB, COLT (within flintlock), CORDITE, COSH, CROSSBOW, CRUISER, C.S. (riot gas), CUDGEL, CUIRASS (breastplate), CURARE (used with blowpipe and dart), CUTLASS, DAGGER, DART (with blowpipe), DEPTHCHARGE, DERRINGER, DIRK, DOODLEBUG, DYNAMITE, E-BOAT, EPEE, FIELD-GUN, FLAIL, FLAK, FLAMETHROWER, FLARE, FLINTLOCK, F.N. (now the standard Army rifle), FOIL, FORT, FUSE, FUSIL, GAS, GAT (as used by Edward G. Robinson), GATLING-GUN, GELIGNITE, GRENADE, GUN, GUNBOAT, GUNPOWDER, HALBERD, HARPOON, HATCHET, HELMET, HYDROGEN-BOMB, INCENDIARY, JAVELIN, JEEP, KNIFE, KNOBKERRIE, KNUCKLEDUSTER, KRIS, KUKRI, LANCE, LANDMINE, LARIAT, LEAD, LIMBER (with field-gun), LONGBOW, LUGER, MACE, MACHETE, MACHINE-GUN, MAGNETIC-MINE, MAIL, MAP, MAUSER, MINE, MINESWEEPER, MISSILE, MOAT, MOLOTOV COCKTAIL, MORTAR, MUSKET, MUSTARD-GAS, NAPALM, NERVE-GAS, NET (anti-submarine or torpedo), OERLIKON, OIL (boiling, poured from battlements), PANZER, PARANG, PHOSGENE, PIKE, PISTOL, PIT (as a trap), P.L.U.T.O. (D-day pipe line under the ocean), PLUTONIUM, RADAR, RADIO, RAM (for battering), RAPIER, RAZOR, REDOUT, REVOLVER, RIFLE, ROCK (used with catapult or ballista), ROCKET, ROD (slang for hand-gun), SABRE, SALVO, SCIMITAR, SHELL, SHIELD, SHILLELAGH, SHOT, SHOTGUN, SHRAPNEL, SKEAN DHU (Highland dagger), SLING, SLUG, SMOKE, SMOKESCREEN, SONAR, SPEAR, STAVE, STEN-GUN, STILETTO, STUKA, SUBMARINE, SWORD, TANK, TARGE (small shield), TEAR-GAS, T.N.T., TOMAHAWK, TORPEDO, TRACER, TRIDENT, TRUNCHEON, U-BOAT, URANIUM, VIZOR, WARHEAD, WARPAINT, WHIP, WINCHESTER.

Top scorer with 173 was Ron Hall, Chemistry Dept., who wins our £3 first prize. Second prize (£2) goes to Pete Higgins of Alperton (169), who just pipped Keith Sichel, Polymers, with 168 (£1) (pity about the A-BMOB, Keith!). There were 3 other entries over 160, and 8 in all. Another puzzle will appear in a few months' time.

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## FIRST AID TEAM

As Dr. Eleanor Tarbox is leaving Wood Lane, as noted elsewhere, a vacancy exists for a lady member. Any volunteers who would like to undertake training in this very worthwhile and socially useful activity are invited to get in touch with Geoff Holder on 347.

# Executive Council

A meeting of the Executive Council was held on the 5th July and brief notes on matters arising are given below:-

- 1) The Club is still in a sound financial position and all sections are using their budgets.
- 2) Insurance cover has been increased to reflect inflation, new T.V. and the Casseiver.
- 3) Due to increased VAT, beer and spirit prices must be raised.
- 4) An Extraordinary General Meeting is to be held to elect a new member to the Bar Committee
- 5) Yvonne Ferrier has asked if anyone can run the disco to be held on the 21st September. (See also note elsewhere in this issue).
- 6) The secretary has been approached by a discount club. The Social Club is interested in the offer made to them and details will be on Social Club notice boards in the future.

David Green

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## PITCH 'N' PUTT

The umpteenth Annual Pitch 'n' Putt tournament will take place on Wednesday 1st August starting at 6.00 pm at Gunnersbury Park Golf Links.

Prizes for best pair, best individual and best lady. Also a booby prize.

Entries on form below to Stuart Castle (283).

10th hole - Bull's Head, Strand-on-the-Green.

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### Pitch 'n' Putt Entry 1979

To Stuart Castle:-

Name .....

Department .....Tel. Ext.....





"Next!"

