

BUSH

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TELEGRAPH



# BUSH

vol. 21 no. 9

# TELEGRAPH

the magazine of **R&EL** wood lane



Cover

"Bush Baby"

Editorial Board

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



## Editorial

There are going to be some changes in the landscape soon, though exactly what, when and even where still lacks definition. Since last month there has been drilling in the car park next to Kelvin as a preliminary to drawing up plans for a possible new building, and, off site, men with theodolites have been spotted in the access road.

All changes, it is hoped, are for the better but the end-product is usually absorbed into the general scene so quickly that what has gone before is soon forgotten and comparisons become a matter of prejudice rather than fact.

The camera however is a faithful recorder of days gone by and we have already featured a few photographs of earlier times in "Memory Lane" articles. In the coming months we hope to do more, and if our longer-serving readers and our pensioners have pictures of interest we hope they will bring them to our attention. Those of you who are neither long-serving nor pensioners might consider recording for posterity the site as it is today before any alterations begin in earnest, thus ensuring a good selection of material for the BT in the year 2001.

# Obituary

EDWARD HENRY REYNOLDS 1915-1979

M.A., B.Sc.(Oxon), C.Eng., F.I.E.E.  
C.Chem., M.R.I.C., A.F.Inst.Pet., M.I.E.E.E.



As you will all know 'Josh' Reynolds died at noon on 30th July. He was with friends and his death was sudden and unexpected. He was only in his 64th year.

Edward Henry Reynolds was born in the village of Fownhope near Hereford on 19th October, 1915. After the First World War, the family moved to South London where his father held a teaching post. Josh attended Alleyn's School in Dulwich, and in due course, wishing to enter the same profession as his father, went up to Oxford where he read Science at Oriel College graduating in the Honours School of Natural Science in 1937. Specializing in Chemistry, he under-

took a period of post-graduate research in physical chemistry under D.Ll.Hammick. This involved the study and resolution of optically active complexes formed between polynitro-compounds and aromatic hydrocarbons and bases. A joint paper on the resolution of 4:6:4' trinitrodiphenic acid was published in the Journal of the Chemical Society in 1939.

In the same year, 1939, Josh was appointed Science Master at Stowe School, Buckinghamshire, an appointment which was to be interrupted by the Second World War, when in 1941 he joined the Chemical Inspectorate of the Ministry of Supply as an experimental officer. His experience with nitro compounds was, no doubt, invaluable, as he was to become very much involved with explosives and detonators and with the problems of their quality control by scientific rather than by 'ad hoc' principles.

After the cessation of hostilities, Josh returned to Stowe, but somehow the academic world was no longer to be his orbit despite his undoubted flair for clarifying and imparting knowledge to young and old alike. He ventured into the world of industrial chemistry, at first with a company producing glues and adhesives and then with a firm of industrial consultants Murray, Bull and Company. Here he was to remain from 1947 until the firm closed down in 1952.

It was on Monday, 19th January, 1953 that Josh joined the Research Organisation of the then British Insulated Callender's Cables Limited as Section Leader in the Chemistry Department, then under the guidance of Mr. V.H. Wentworth following the departure of the Chief Chemist, Mr. G.M. Hamilton, for the University of Durban, South Africa.

He very soon settled in and contributed his own personal impact upon the work being carried out on the analytical side of the Chemistry Department. Closer liaison was established with the oil suppliers and fresh emphasis given to an understanding of the chemical nature of the principal dielectric materials then in use, hydrocarbon oils and papers of various types and of the changes which occurred after the prolonged effects of heat and stress in the presence of cable metals such as iron and copper.

In 1956, Josh was promoted to the position of Deputy Research Manager and Acting Head of the Chemistry Department. In the following year he acted as Research Manager of British Dielectrics Research following the departure of Dr. J.B. Birks to Manchester University. It was at this time that work was started on the gassing of oils under electric stress and Josh was actively associated with the work which resulted in the publication in 1963 of the classic paper on 'The Influence of the Constitution of Oils upon their Gassing under Electric Stress'. It was in 1963 also that he was appointed Research Manager of the Research Organisation. This brought with it increased responsibilities for the wide range of investigations then in progress in the laboratories, but despite this Josh retained his active interest in the fields of dielectric phenomena and power cables in general. In May 1967, he embarked upon a lecture tour of New Zealand on the subject of insulating systems for mains cables in order to give "prospective purchasers of power cables a detailed technical description of the various cable types which Associated British Cables Limited of New Zealand would be manufacturing".

In the years that followed, Josh was joint author of a number of papers resulting from investigations in the fields of ionization and radiation effects in dielectric materials, gassing of oils and pure hydrocarbons and the important subject of 'treeing' in polymeric insulation.

He was made General Manager of the Central Research and Engineering Division on 1st June 1972 being at that time already a member of the Chief Executive's Committee of BICC. He retired due to ill health on the 31st January, 1975. During his career with the Company, Josh represented it on several outside technical

committees, in particular the CIGRE Study Committee No. 15 Sub-Working Group "Askarels" and the corresponding ERA Committee of which he was Chairman for a time.

No one could be indifferent in his feelings for Josh Reynolds, he was a very real person with many talents, artistic as becoming one with his nickname and possessing a real gift for the use of words, both in writing and above all in lecturing and talking. He could tell a good story and hold his audience enthralled when recounting his war-time experiences in the Ministry of Supply. He was active in the Athletic and Social Club at Wood Lane and a keen member of the BICC Golfing Society. He was well known to the staff in the laboratories at all levels and many there be that are grateful for his efforts on their behalf and for his encouragement in many different ways. He leaves a wife, two sons and a daughter to whom we express our condolences on their sad and sudden bereavement.

R.M. Black

\* \* \* \* \*

The funeral service was held at Christ's Chapel of God's Gift, Dulwich College on Tuesday 7th August at 2.45 p.m. in the presence of his family and friends. These included members of the Company from: Prescot, Helsby, Wrexham, Erith, Bloomsbury Street and, of course, Wood Lane. Several ex-members also came.

The intimacy and calm serenity of the college chapel with the sunlight breaking through the overcast afternoon towards the end of the service was, I am sure, how Josh would have liked it to have been; a gracious leave-taking of old friends.

RMB

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Many staff have made contributions in memory of Josh, and these will go to the Abbeyfield Society. This society provides and maintains homes for elderly people.

Anyone who still wishes to make a contribution can do so either via Dennis Lott or direct to the following address.

Abbeyfield Society  
C/O Barclays Bank  
Dulwich Village  
London S.E.22.

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# Personnel News

## STARTERS

Welcome to:-

Miss. S. Sinclair who joins us as a Technical Assistant in the Physics Department.

Mrs. S. Silsby who joins us as secretary to Mr. J.D. Endacott.

Mr. I.W. Keene who joins us as an Assistant Technical Officer in the Communications Department.

Mr. T.C. Grimer who joins us as a Technician Trainee in Product Engineering.

Mr. J.H. McGillivray who joins us as a Technician Trainee in Product Engineering.

Mr. G.Z. Makowski who joins us as an Assistant Technical Officer in Product Engineering (Alperton).

Mr. P.V. Thomas who joins us as an Assistant Technical Officer in Product Engineering.

Mr. V. Allard who joins us as an Assistant Technical Officer in Product Engineering.

Mr. P.C. Ball who joins us as a Patents Formalities Clerk in the Patents Department.

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

Mr. S.D. Thomas who joins us as a Technician Trainee in Product Engineering.

Dr. P.K. Dhar who joins us as an Assistant Technical Officer in Physics Department.

Miss. M. McLaughlin who joins us as a Technical Assistant in the Physics Department.

## LEAVERS

Farewell to:-

Geoff Millard of the Corrosion Department who leaves after 17 years service.

Sandra McCormick of the Administration Department who leaves after 5 years service to take up alternative employment.

Leslie Greenwood of Works Engineering who leaves after completion of his Craft Apprenticeship.

## RETIREMENTS

Michael Hobart of the Patents Department retires after 41 years service with the company. Best wishes for a long and happy retirement.

## LONG SERVICE AWARDS

Congratulations to:-

John Taylor, Communications Department  
Guy Secrett, Physics Department  
Alan Arnold, Product Engineering

on achieving 20 years service this month.

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# Thank you

My sincere thanks and good wishes to all at Wood Lane for the very kind farewell you gave me. The card and the collection, which I shall put towards a camera, were very much appreciated and will long remind me of so many happy times over the years.

Kindest regards,

Geoff Millard

I would like to thank you for your good wishes and for the generous leaving present of the Olympus camera. This is not a complete goodbye as I hope to see some of you on Tuesdays at badminton.

Thank you once again

Sandra McCormick

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# For Sale

Ford Escort, 1.3 l, Yellow 4-door saloon (MKR 741P).  
MOT to April 1980, 56 000 miles. Available 1st September .  
£1500 o.n.o. Contact W.A. Walker (Tel. 294)

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1976, 'P' reg., TR7, Blue. Excellent condition, 23 000 miles, £2300. Apply Elizabeth Ness (Tel. 337).

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## SEASON TICKET LOANS

The Company scheme for interest-free loans for annual season tickets starts on 1st September. Full details plus application forms from the Administration Office.



# Dysphagian Diary

(the occasional column of which it was once said ....)

Following our comments last month about Mr. Guess, the economic forecaster, we have received details of two more examples of apt conjunctions. In New York, Viacom Communications' Vice-President of Science and Technology is obviously the right man to promote his company - Frank J. Bias is his name. On this side of the "pond" University College, London has a conference lined up for next January entitled "Fishfarming and Wastes", with a keynote address by Mr. H. Fish - who else! Even so, with papers like "Farm effluents and sewage in fishculture" and "Species and suitable wastes" it is clearly not a conference for those inclined to be squeamish about their food.

\* \* \* \* \*

In the wake of Mrs. Thatcher's call for a new cost-of-living index to represent the country's available spending power, rather than the RPI which merely reflects prices, comes news of a proposed monthly assessment which could go some way to meeting the requirements. Called "Monthly Average Government Gross Index of Earnings" it could be described as acronymically acceptable in some quarters.

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With the continuing absence of The Times one is forced to cast the net wide in search of alternative reading matter. A recent delight which came to hand was a back number of The Wall Street Journal, New York's nearest equivalent to the FT, which had been used as packaging for a sample. On the front page was an article about robots, which are apparently becoming popular as pets and household companions. Among the multitude of variants described was Elsie Toosee, a robot maid capable of certain rudimentary fetching and carrying. She was designed by Tullio Proni and Rene Sieber from Kalamazoo, Michigan. "We built her" explained Miss Sieber, "because we were already making cosmic-ray guns and a robot seemed like the natural next step".

Ideas for future projects via NMTP please; or the CIA!

\* \* \* \* \*

Last word this month comes from Molly Nalon who spotted the following sale ticket in the window of a local outfitter's shop.

"WORM GLOVES - 45p"

OK, if you can wriggle into them!

# The History of Electric Wires and Cables

## PART 19. THE THURY CONTINUOUS CURRENT SYSTEM

By R.M. Black

### The Thury System

Despite the fact that by the year 1900 high voltage alternating current transmission and distribution was firmly established and three phase distribution was being adopted in the United States, in Europe and in the United Kingdom on an ever-increasing scale, there was still interest in the high voltage direct or continuous current system. This had been pioneered by Professor Thury on the continent since his first installation in Italy in 1889 (Society Acquedotto de Ferrari-Gallieri). This first installation comprised a 75 mile circuit capable of transmitting some 630 kW at a 'pressure' of 14 000 volts. The introduction of high voltage d.c. as opposed to the low voltage d.c. proposed by Edison and others slightly earlier in the era, was to culminate in the Moutiers - Lyon system erected in 1906.

In a paper presented before the Institution of Electrical Engineers in March, 1907, J.S. Highfield, then a member of Council and later to become President, gave a comprehensive account of the Thury System and compared it with the corresponding 3-phase a.c. system. (JIEE, 1906-7, vol. 38, pp. 471-545). From the results of many tests he concluded that a direct current pressure of at least twice as great as an alternating current pressure may be used on the same overhead line insulators and on the same underground cable. The direct current system worked on the equivalent of a three-wire system, the middle point of the system being connected to earth so that one line was operated at a pressure above earth and the other at a pressure below. In this way, and using the same insulation, the effective direct current pressure could be doubled.

As there was at that time no special difficulty in making a single-core cable for operation at 60 kV d.c., equivalent to a 30 kV a.c. cable, two such cables could provide an effective voltage of 120 kV.

### The Moutiers - Lyon Continuous Current Installation

The continuous current installation between the hydro-electric station at Moutiers and the town of Lyon is of particular interest in that the system involved a section of underground cable, samples of which have survived.

The system, which was constructed under the direction of the Societe Generale de Force et Lumiere, was energised by four units each consisting of a water turbine coupled to two generators. Each generator had two commutators of 5 000 volts

to give a continuous current of 150 amps at 20 kv. The total output of the station was reported to have been 4 300 kW with a total line pressure of 57 600 volts. Subsequent information, however, indicated that in practice the voltage was somewhat higher than this.

The total route length of the Moutiers - Lyon installation was 124 miles and while over the greater part of this distance power was transmitted by overhead line, in the difficult built-up area in the vicinity of Lyon, six miles of underground cable was used.

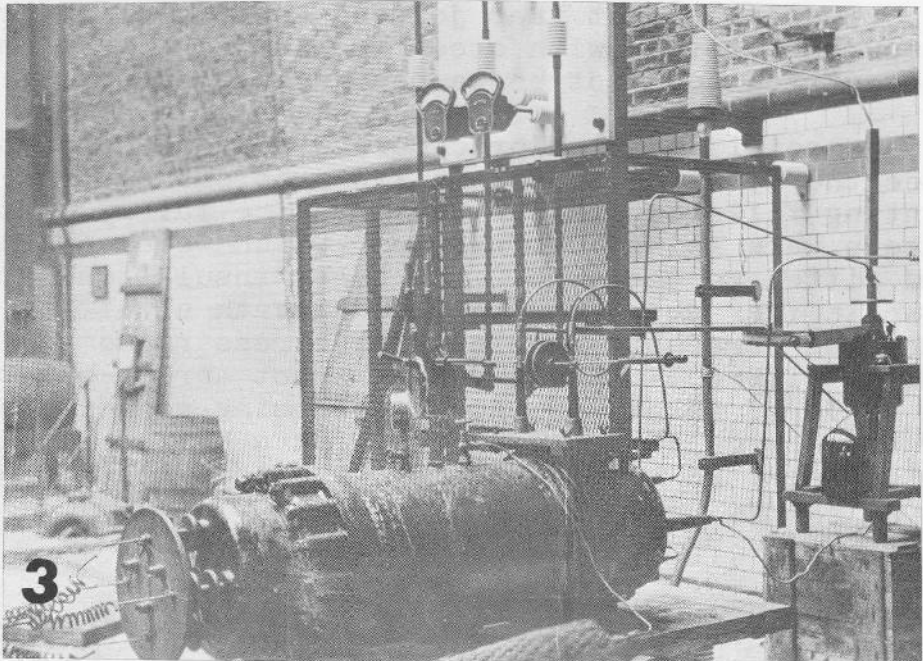
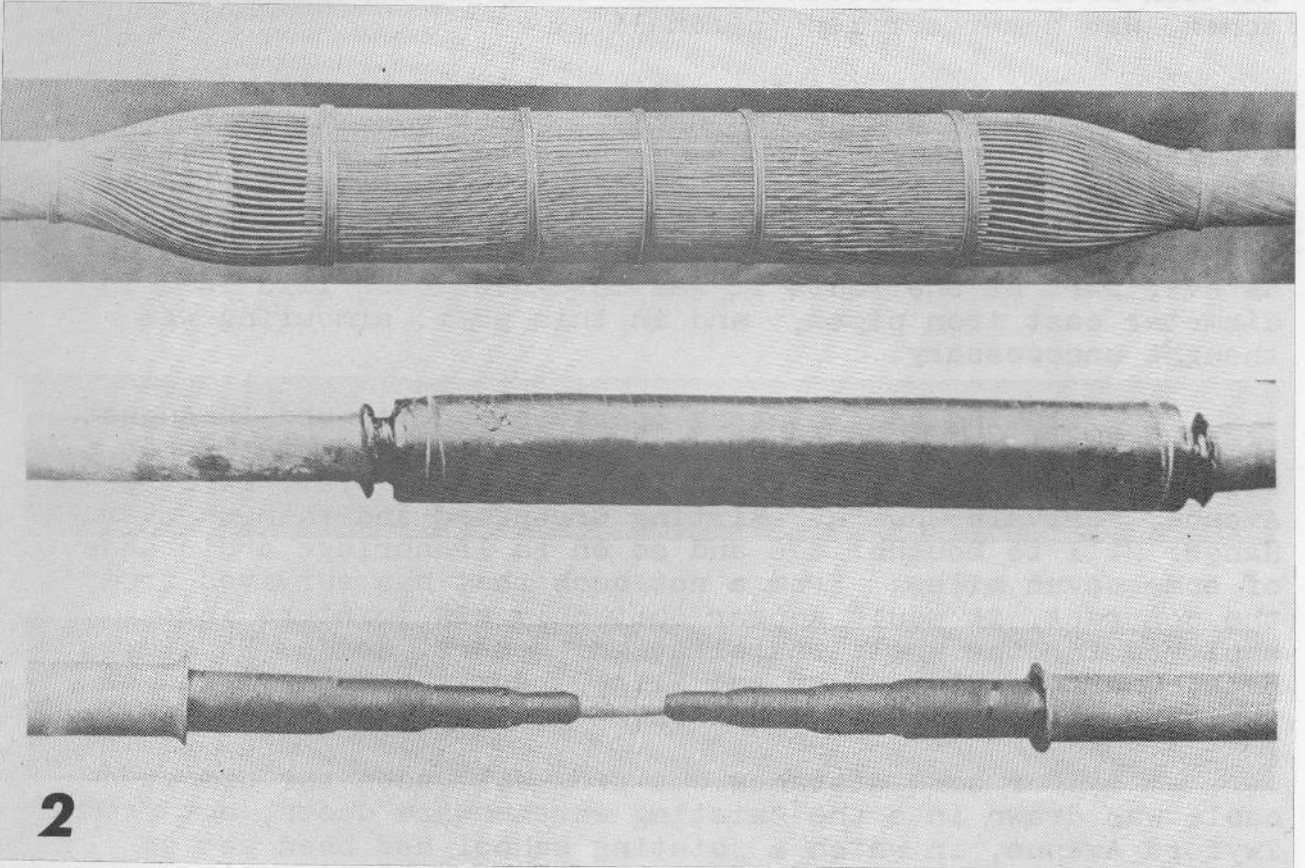
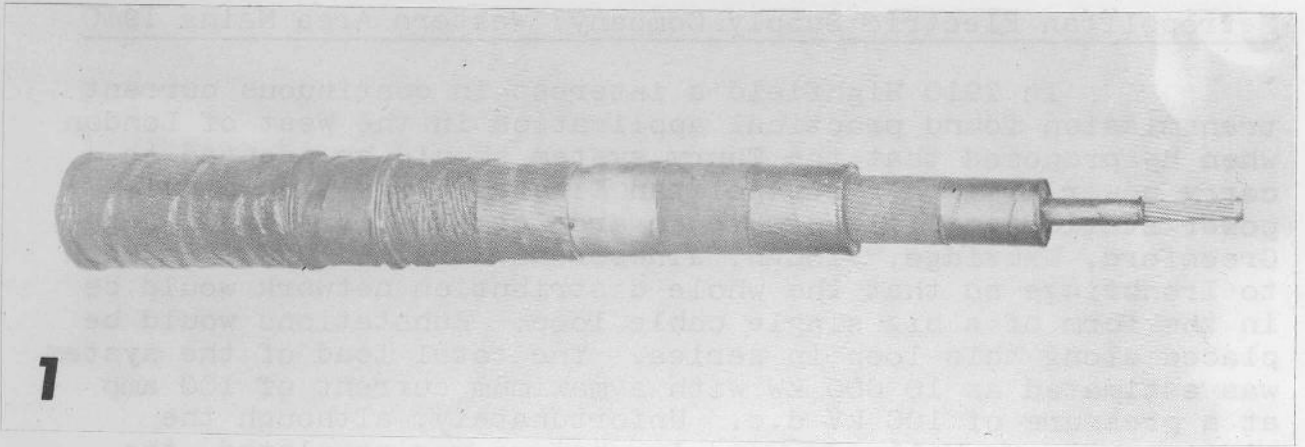
The cable (Figure I) was manufactured by Cables de Lyon in 1905-1906 and subsequent examination has shown it to have had the following constitution;

the conductor used consisted of 19 0.116 sq in stranded copper wires. This would normally have had a diameter of 0.45 in but in order to improve conductivity and to reduce the overall diameter of the cable, some of the strand was compacted to 0.415 in by drawing it through a compacting die. This is believed to be the earliest example of strand compaction.

The conductor was insulated with oil-impregnated paper tapes which were slightly thicker than would be used in present-day dielectrics, and the dielectric built up as follows:- four 12 mil papers were applied at first followed by thirty-six slightly thinner papers (10.5 mil), these were applied in fours with butt gaps of from 0 to 0.16 in. This was followed by three similar papers and a cotton covering tape. Finally, a further twenty 10.5 mil papers were applied in fours with alternate right-hand and left-hand lays and with butt gaps of from 0.04 to 0.16 in. The core was finished with a further overall lapping of cotton tape and was then sheathed. Two lead sheaths were applied, the first 0.08 in in thickness and the second 0.064 in. A layer of tarred jute string was applied as a bedding and the cable armoured with two 36 mil steel tapes 1.12 in in width. Another serving of two bitumenised hessian tapes was finally applied to give an overall diameter of about 2.6 in.

The voltage of the system was apparently 150 000 volts between poles or 75 000 volts to earth. In an emergency it was proposed that the cable should be operated in conjunction with an earth return and under these circumstances the cable would have had to withstand the full system voltage. The cable was originally designed to carry a current of 75 amps but after some years in service, the operating current was doubled.

When the cable was recovered in 1936 after nearly 30 years' service, it was found that the impregnated paper insulation was still sound although it had become slightly brittle. This was due, no doubt, to a rather higher operating temperature than that for which the cable had been designed. The external protection of the cable was, however, found to be in excellent condition.



## Metropolitan Electric Supply Company: Western Area Mains 1910

In 1910 Highfield's interest in continuous current transmission found practical application in the West of London when he proposed that the Thury system should be adopted to carry power from the Metropolitan Electric Supply Company's power station at Willesden to an area comprising:- Ironbridge, Greenford, Uxbridge, Slough, Windsor and Staines and then back to Ironbridge so that the whole distribution network would be in the form of a big single cable loop. Substations would be placed along this loop in series. The total load of the system was estimated as 10 000 kW with a maximum current of 100 amp at a pressure of 100 kV d.c. Unfortunately, although the section between Willesden and Ironbridge was completed, the scheme was never carried to finality.

The order for the cable involved was placed with British Insulated and Helsby Cables. This was to consist of a 0.125 sq in stranded copper conductor with 0.50 in radial impregnated paper insulation, the core being covered with a 0.10 in lead sheath, jute bedding and single wire armouring. Not all the cable, however, was supplied with wire armouring as over part of the route it was intended to be laid in 3 in diameter cast iron pipes; and in this part, armouring was thought unnecessary.

Laying and jointing operations commenced in August 1910. The route of the cable lay from the power station at Willesden over the Grand Union Canal to Park Royal, Twyford Avenue, Perivale Church, skirting Greenford and then on over Hanger Hill to Southbridge and so on to Ironbridge a distance of some seven miles. From a notebook that has survived from the contract, it would appear that only six jointers were employed for the whole installation; Messrs. Reade, Dickie, Beck, Charker, Richardson and Ellis under the supervision of the site engineer, Mr. J. Nelson.

For some distance out from Willesden the armoured cable was drawn into the existing earthenware ducts, but from Twyford Avenue, in which a jointing school had been set up under the trees, the cable was drawn into specially laid cast iron pipes. These were not lead jointed as was common practice, but were secured together with steel wedges which were supposed to ensure electrical contact between adjacent pipes.

A special jointing procedure was adopted for the cable, hence the jointing school in its arboreal setting. Actual jointing followed present day practice fairly closely. The conductors were joined by ferrules, which were carefully rounded and fitted to the core. The paper insulation was stepped down in four steps and the lead sheath at either end of the joint was carefully 'belled' for stress reasons. As can be seen in Figure II, the steps were not abrupt but tapered down to an angle of about 60°, the taper being achieved by tearing rather than by cutting the papers with a knife. The rough chamfer which resulted keyed better to the paper tape applied during the jointing.

The tapes used in insulating the joints, were pre-impregnated in the factory and sent out sealed in tins. On arrival on the site, they were warmed up prior to use and transferred to specially made brass cases, which had a slot in the periphery so that the end of the impregnated paper could be brought out and applied to the joint. The brass case with the paper being revolved round and round the joint without the paper being touched by hand.

At the end of each layer of paper built up in this way a small piece was taken out with a sharp knife to enable the turnback to be made without rucking the paper. Pressure on the side of the thin brass case kept tension on the paper during lapping while the joint was basted with compound at intervals during the operation.

The joints were all finished with a lead sleeve which was filled with cable oil and then enclosed in a cast iron sleeve. The iron sleeves were not filled with compound. On the armoured section of the cable, the armour wire from one side of the joint was brought right across the joint to the plumb, intermarrying alternately with the wires from the outer side. It was found that the total number of the armour wires just enclosed the sleeve in armour. (Figure II).

The conditions of the contract called for a final pressure test of 150 kV dc for thirty minutes. As suitable rectifier valves for use with a transformer were not available at the time, a special generator was designed and built by Mr. (later Dr.) Watson, a student of Professor Marchant of University College, Liverpool. Prof. Marchant was later to become head of the Research Department of Joseph Lucas.

The machine (Figure III) was of an interesting design in that it consisted of sixteen plates rotating between stator plates and on the end of the shaft was fitted a four plate machine which was used as an exciter. The rotor was driven by an induction motor mounted on the same shaft, the whole being enclosed in a heavy cast iron cylinder. Regulation of the machine was by means of two plates, one of which had a number of needle points attached to it, placed across the exciter terminals, the corona from the points forming a loading on the exciter.

The original machine was used with compressed air at 200 lb/in<sup>2</sup> pressure, but this was found to require excessive labour in pumping up, so that eventually nitrogen pressure from a cylinder was used instead. The voltmeter was a multi-cellular electrostatic instrument from which a beam of light could be reflected on to a celluloid scale. The voltmeter element was also insulated with nitrogen at 200 psi. All connections between the machine and the cable and the voltmeter were made with  $\frac{3}{8}$  in composition gas pipe to avoid corona.

In specifying the performance of this machine, a load of 1.5 kW was called for and this was obtained by suspending and energising a length of galvanised barbed wire which gave exactly the load required.

It was found undesirable to connect the machine directly to the cable, so a suitable very high resistance was introduced so that the charge on the cable could be built up slowly. A piece of slate 2 in square by 18 in long was found to be suitable for this purpose, contacts being let in at either end of the slate. The machine brought the cable up to 80 kV fairly rapidly but some 25 minutes was required to attain 100 kV and an even longer period to achieve 150 kV. Not only this but also the machine was incapable of sustaining this voltage for more than a few minutes at a time. Failure occurred in the plates embedded in the ebonite rotor discs to an extent that the specified test could not be carried out.

Further attempts were apparently made to test the cable with a generator used for an x-ray set which was supplied by Messrs. Newton and Wright of Hornsey, but the transformer was not suited to the more arduous load of the large rotating rectifier involved and frequent breakdowns were experienced. The specified test was abandoned and at a later stage a transformer was connected directly across the 14 mile loop of cable by connecting it directly to one of the 300 kW machines. By this means, 33 kV was applied for half an hour although the transformer became rather overheated during the process, it apparently took it all in good part.

(to be continued)

## Diary of Events

DATE	EVENT	FOR INFORMATION
Sat 25th Aug- Sat 1st Sept	National Hot-Air Balloon Championships - Nottingham	Roger Millward
Thur 6th Sept	Last day for contributions to BT	Editorial Board
Thur 20th Sept	Publication date for BT	Editorial Board
Fri 21st Sept	Disco 8 pm - 1 am	Yvonne Ferrier
<u>Regular Events</u>		
Tuesdays and Thursdays	Badminton Tennis	Vic Banks Terry Alleyne
Thursdays	Air Pistol Shooting	Peter Walters or Denis Groombridge
Weekends	Hot-Air Ballooning (not during National Championships)	Roger Millward or Denis Groombridge

# Word Square

Here's another little competition to keep you (and BICCARELLA!) happy whilst you sit in your hotel/caravan/tent watching the rain come down. The nine letters rearrange (5, 4) to form a well known feature of BICC. Find the item in question plus as many other words of 4 or more letters as you can from the square, but remember that each word must include the centre letter. Names, foreign words, abbreviations and plurals are not allowed.

Answers to Denis Groombridge by Thursday 6th September.

L	B	M
A	D	E
R	C	U

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## Site News

### DRILLING ACTIVITY IN CAR PARK. BP NOT THREATENED

Following recent reports in the national press regarding the possibility of oil in the southern parts of England one might be forgiven for thinking that BICC had decided to enter the oil exploration field judging from the drilling activity near Kelvin.

However, we are reliably informed by John Littler that the drilling was to obtain soil samples to gauge the suitability of the land for further construction. As yet no decision has been made regarding the size of any additional buildings, or if they would be located on the present site or on land at present owned by British Rail.



# Biccarella



I SUPPOSE I HAD  
BETTER FIND SOME  
WORK TO DO AS  
THERE'S NO  
COMPETITION THIS  
MONTH.

# Section Reports

## ALCOHOL (VI, VII OR IS IT X?)

First, I will apologise for the infrequent appearance of news articles about the Wine Making and Brewing Section; next I warn all readers against the dangers of chronic alcoholism. (This sentence should be entitled gossip:- I have recently contracted a palsy (doctors term) that is thoroughly unpleasant, but not catching, that has chronic alcoholism as one of its possible causes .... others are leprosy, exposure to certain lead and arsenic salts and certain phosphate esters .... and cold).

A meeting of the section is to be held in the near future (probably at lunch-time, which I believe most members feel is most convenient) at which a short discourse will be given on brewing beer from hops, barley etc., rather than from "Boots" kits. In addition, capital equipment acquisition (I have some price lists) and progress of the Pineapple Wine-Making Competition will be discussed. On the latter, approximately twenty-five copies of the recipe were distributed so competition should be quite strong (so should the wine .....).

PWW



## AIR PISTOL SHOOTING

Shooting Averages as on 6th August 1979



Member of

Name	Highest Score	Average	Position
S. Verne	48	44.7	1
R.G. Maidlow	48	38.2	2
J. Walters	44	36.0	3
P. Walters	46	23.75	4

The small number of entries in the averages this month are (I hope) an indication that it is only holidays that have taken toll of some of our more regular shooters. Nevertheless, with the limited amount of data to hand, it is evident that the pattern of the last few months has continued. Stefan Verne's consistency and accuracy have further reinforced his position at the top of the list while Peter Walters' continuing lack of the latter virtue has ensured a further sojourn at the bottom. Peter's hopes of better things have been raised occasionally, however by scoring over 30 (at infrequent intervals .....)

so things are not all gloom and despondency for him (yet). In the middle of the table, Janet Walters has retained her recent improved form and is confident that it is only a matter of time before she displaces Bob Maidlow from his second-place position.

## SEA ANGLING

### CHALLENGE MATCH VS BKI

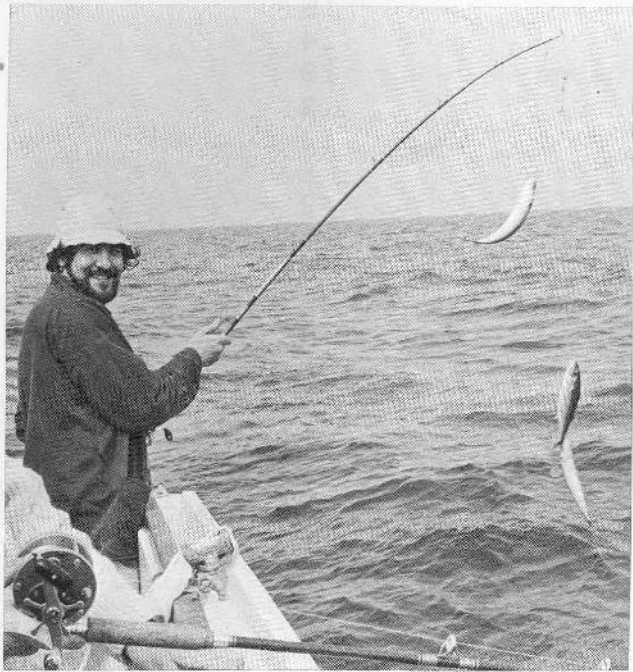
The long awaited and much discussed (at least by the sea angling section) challenge match between Wood Lane and BKI took place from Brighton Marina on July 19th. Despite warnings about the poor state of the general fishing from Brighton, both crews were enthusiastic for the competition to go ahead and so with the Wood Lane crew aboard Brian Condon's "Quickfire" and BKI aboard Eric's "Lagoona", we set sail from the Marina at about 9.00 a.m. Both boats stopped just outside the Marina to catch fresh mackerel bait, and soon the "Quickfire" was headed for the venue - a wreck about 12 miles out. As we approached the mark we heard over the RT that the "Lagoona" had suffered some minor mechanical problems which subsequently delayed her arrival by about 1 hour. Hopes for a bumper catch were soon raised when Alan Bangay boated a fine 14 $\frac{3}{4}$  lb cod, but repeated drifts over the wreck failed to produce many quality fish, with lost gear often being the only result. A few fish were hooked but lost on the way up, and by the end of our time on the wreck only three more cod had been captured, the successful anglers being Graham Taylor (7 lb), Derek Glockner (7 $\frac{3}{4}$  lb), and 'Gene Nalon (14 lb). The rest of the Wood Lane catch was made up with a number of Pouting averaging about 1 lb in weight. Meanwhile on the "Lagoona" they were playing things very close, but it was fairly obvious that Ron Jackson and Co. were having an even leaner time than us. However midway through the day their spirits rose when they caught a specimen John Dory weighing about 8 lb. About 2.30 Brian decided to move back inshore to catch some fresh mackerel for the pot, leaving the BKI crew on "Lagoona" to continue wreckfishing. Having got a fair bag of mackerel we steamed for Brighton and awaited the arrival of the "Lagoona" to see if BKI had had a late purple patch and caught enough fish to beat Wood Lane's competition weight of 50lb. This was not to be, and with BKI weighing in a mixed bag of fish for around 20 lb, the Challenge Trophy was Wood Lane's. Both crews then retired to the Grapes at Peas Pottage where the day's events were celebrated over real ale and cheese and onion sandwiches.

Thanks are due to Ron Jackson and friends from BKI who issued the original challenge and organised the handsome engraved trophy which now resides at Wood Lane, at least until next year when it is hoped that the competition will be fished again, with equal enthusiasm and a better days fishing.

The accompanying photos (courtesy AJB) show the victorious Wood Lane team, both crews outside the Grapes, and the proud cod catchers.



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# The Film Column

## THE FILM POLL

Thank you, everybody who voted in the Poll. A total of 64 forms were returned, and the results were as follows:-

1	2001, A Space Odyssey	25
2	Dark Star	22
3	Picnic at Hanging Rock	20
	Assault on Precinct 13	20
5	Hitler, the Last Ten Days	19
	Catch 22	19
7	All the President's Men	18
8	The Man Who Fell to Earth	17
9	Chinatown	16
	Soylent Green	16
11	Avanti	15
12	Cabaret	14
13	Rafferty and the Gold Dust Twins	13
	Zabriskie Point	13
15	Fritz the Cat	12
	Sugarland Express	12
	The Lacemaker	12
18	The Passenger	11
19	Invasion of the Bodysnatchers	10
20	Bound for Glory.	9
	That's Entertainment	9
22	Family Plot	8
	The Last Picture Show	8
24	Bugsy Malone	7
	Alphaville	7
	The Picture Show Man	7
27	Claire's Knee	6
	Paper Moon	6
29	Heroes	5
	The Third Man	5
31	Lawrence of Arabia	4
	Dr. Crippen	4
33	Tales of Hoffmann	3
34	Between the Lines	2
35	Mon Oncle Antoine	1

## HISTORY OF THE FILM SOCIETY

We plan to produce an omnibus edition of the series of articles which appeared in the BT over the last year, and also the earlier series which appeared ten years ago. In order to gauge the demand, would anyone who would like a copy of either or both parts please let Tom Ruben know (phone 212).

## NATIONAL FILM THEATRE

In September there are retrospectives of the films of the Hollywood director Mitchell Leisen and the Dutch documentarist Joris Ivens, a week of new Danish films, and in 'Stars' three films each featuring such stars as (in alphabetical order) Marlon Brando, Bette Davis, Greta Garbo, Marilyn Monroe, John Wayne etc. The season of spectacular films presented in 70 mm

prints continues at weekends with, among others, THE BATTLE OF THE BULGE, THE SOUND OF MUSIC and BEN HUR. And if you want to find out if you could emulate these film-makers, "Movie Maker" magazine are presenting "The Ten Best Amateur Films of 1979" on September 1st.

#### FILM RECOMMENDATION

In the NFT's British Science Fiction season, Val Guest's THE DAY THE EARTH CAUGHT FIRE - what happens in London when two atomic bomb explosions tilt the axis of the earth, showing in NFT 1 at 6.30 p.m. on Thursday August 23rd.

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## 6-A-SIDE

### METALLURGY TRIUMPH AGAIN. LADIES DISPLAY GREAT TALENT

The Annual Wood Lane Inter-Departmental 6-a-side cricket competition, sponsored by the Prudes Assurance Company, resulted in a second successive win for Metallurgy Department when the final was contested at Wormwood Scrubs on Wednesday 4th July.

There had been the usual good turn-out for the group matches a fortnight earlier, although some lack of co-ordination resulted in the Chemistry Department not being in the visible part of the spectrum at the right time. In Group I Product Engineering came out top thanks to good performances by Bob Dean, Clive Carroll and Suhas Kulkarni. In the process they defeated Metallurgy, dismissing them for 19! Metallurgy redeemed themselves with convincing wins over Patents and Works Engineering, in both cases Peter Raw and Bob Lewis enjoying good knocks. Patents Department, competing for the first time, scored a good win over Works Engineering with Ted Ross-Gower having the unique distinction of bowling a maiden over, and Tony Barratt reaping a harvest of runs.

In Group II, reduced to three teams, Energy Department (another first time entry) took advantage of some very loose bowling by Polymers and a lack-lustre performance by Physics to win through. Polymers, with some successful if unorthodox bowling by Stuart Castle, completed a miserable evening for Vic Banks by snatching a victory, and a semi-final place, in the third game.

The "semis" went to form with both Product Engineering and Metallurgy rattling up unassailable totals. Against a depleted Polymers side Clive Carroll and Bob Dean averaged two runs a ball, a target which soon looked impossible after Bruce Keen took an extravagant catch behind the wicket to dismiss Mike Kendle. Hard though Terry Alleyne and Keith Elder tried there could only be one outcome. Peter Raw and Bob Lewis were again responsible for another hefty total by Metallurgy against Energy, and although Ian Manning, Martin Finney and Keith Byrne all scored a few the end came quickly when Norman Fairey snapped up the "tail".

In the final Product Engineering strived hard to restrict the runs but Peter and Bob again showed that they can score against most bowling. The only success came when Bruce Keen snapped up the thin edge from Bob thereby earning a new insurance policy as "Wicketkeeper of the Month". Bob Dean tried valiantly for Product Engineering when they replied, but the early run out of Clive Carroll effectively put an end to their hopes and Metallurgy ran out easy winners.

There then followed the serious part of the evening as the Ladies of Wood Lane (and their friends) challenged the winners. Batting first, more by popular demand than by dint of tossing a coin, the Ladies quickly accumulated runs against some eccentric bowling and encouraging umpiring. Anne Kirby was particularly strong on the leg side and with Mary Beddoes put on 40 for the first wicket. Sandra McCormick, Marion Friel (who was occasionally seen captaining the side) and Christine Haylock all added a few in their own inimitable styles, but Elizabeth Ness was quickly run out by an attack of hay fever. Christine Finney gave the late order some respectability with a fine innings of 13 and it was left to Yvonne Dobrowska, in solitary splendour at the end, to register the only duck in a total of 109. Metallurgy were quickly in trouble as the ladies bowled flat out at the nine stumps which had sprung up. There was also some difficulty in penetrating the ring of about 30 fielders clustered round the bat. Adrian Cole soon succumbed to Sandra's charms, and in an attempt to stop the rot Metallurgy sent in Bob Lewis and Rees Llewellyn to mount a joint, left hand/right hand attack on the bowling. Alas, Anne Kirby slipped through a quicker one which straightened off the pitch and clattered middle and off (or was it off and offer!) thus going down in history as the only person to clean bowl two batsman with one delivery. Christine Finney soon accounted for Peter Raw and the champions were all out for 7, leaving the ladies victorious by 102 runs.

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#### LATE NEWS

Wood Lane cricket team beat Bloomsbury Street by 64 runs in a match in Regents Park. Full report next month.

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#### MOTORING SECTION

An arrangement has been made with

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10 WALMGATE ROAD,  
PERIVALE.

TEL. 01-998 6602

They are a division of Automotive Products Ltd. and can supply most brake, clutch, steering and exhaust components at a 30% discount.

For more information ring G.C. Taylor on 322.

## SCORES

### GROUP I

Product Engineering	(27-1) beat Metallurgy	(19 all out)
Patents	(46-0) beat Works Engineering	(31-0)
Product Engineering	(45-1) beat Works Engineering	(26-3)
Metallurgy	(50-0) beat Patents	(29-2)
Product Engineering	(58-1) beat Patents	(35-3)
Metallurgy	(47-0) beat Works Engineering	(30-2)

### GROUP II

Polymers	(36-1) lost to Energy	(37-2)
Polymers	(37-0) beat Physics	(24-3)
Energy	(35-3) beat Physics	(21-3)

### SEMI-FINALS

Product Engineering	(60-0) beat Polymers	(33-2)
Metallurgy	(54-0) beat Energy	(29 all out)

### FINAL

#### METALLURGY

Peter Raw	not out	22
Bob Lewis	c. Keen b. Arnold	9
Rees Llewellyn	not out	1
Adrian Cole, Ken Heard and Norman Fairey did not bat.		

Extras	10
1 wicket for	42

#### PRODUCT ENGINEERING

Bob Dean	not out	12
Clive Carroll	run out	3
Jeremy Arnold	c. Heard b. Llewellyn	1
Don Fry	run out	0
Mark Watson	b. Llewellyn	0
Bruce Keen did not bat		

Extras	7
4 wickets for	23



# PITCH 'N' PUTT

## WALLY WINS AGAIN



I am pleased to report that, despite heavy morning rain, the BICC International Invitation Pitch 'n' Putt Tournament began as advertised in the press at 6 o'clock on 1st August.

Walter Mascarenhas made good use of trees, snail pace tactics, and poor arithmetic to bring in an unbeatable 34, which gave him a prize for the third (or fourth) year running. Spirited performances by Mike Hagger and Ian Manning pushed the champion hard, and they took the pairs prize with a combined score of 71 (36 + 35). Denis Groombridge (36) was the only other competitor to break 40.

Despite a loss of concentration brought on by the clicking cameras of the press (or was it Nick?) Yvonne Ferrier managed to equal Silvia Fraser's and

Sandra McCormick's scores of 45 to share the Ladies prize, whilst a cleverly contrived 10 on the first hole gained Roger Millward the booby prize.

The 22 competitors then made haste to the Bull's Head to discuss ways of guaranteeing a new champion for next year, to drink this year's prize money, and to express their usual thanks to Stuart Castle who again organised the whole affair.

ILM

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## GENEALOGY SECTION

Should you ever think of denying yourself the pleasures of the chase in constructing your pedigree you can always call upon the services of a professional. If that unhappy day arrives consult the Secretary, who now has a list of members of the Association of Genealogists and Record Agents.

Albert Pinching has joined the North Middlesex FHS and is therefore in receipt of their magazine which can be consulted or borrowed by any member.

Mike Hagger

# DISCO

8-1 AM



21st. SEPT

GUEST 60p  
MEMBER 40p

