

# BUSH TELEGRAPH



**OCTOBER 1984**

# BUSH

vol. **26** no. **4**

# TELEGRAPH

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



## Cover

FIBRAL COUNTRY

by

Simon Stannard-Powell

## Editorial Board

Ted Morrison

Geoff Holder

Peter Walters



# Editorial

It appears that the BT is not the only in-house magazine currently experiencing difficulties. A recent Editorial in the Plessey Company's "Plessey Taplow News" began : "This edition of the PT News is late due to the inertia of the editor and the demands of System X. My appeal for editorial assistance fell on deaf ears.... I, thus, repeat the appeal for an active, interested member of staff to assist in the production of the magazine."

With regard to the BT, the only substantial change to be made in the PT News editorial is the reference to the inertia of the editor. In the BT's case problems of inertia lie largely with our contributors. It would be interesting to hear from anyone with views on the apathy being shown towards well-thought of (if we are to believe what we are told) house journals such as the BT and PT News.

Several active members of the Badminton Section have approached me to make an appeal for more people to join in their convivial Tuesday and Thursday evening sessions on the 5th floor. Use it or lose it seemed to be their message. Since, however, I have not been to the Badminton sessions for some considerable time, I cannot claim to have first hand knowledge of the present situation..... and would welcome any (type)-written submissions on this topic for inclusion in the next BT (if it should appear !)

Peter Walters.

# PERSONNEL NEWS

The editors wish to apologise to those devotees of the BT's version of the "hatched", "matched" and "despatched" column for we have received no official news of starters, leavers and retirements for inclusion in this edition. We have no news, either, of the dates of this year's Christmas Holidays or the Annual Prize Giving.

## CONGRATULATIONS I

Our heartiest congratulations are sent to the following couples who were married during the summer.

Debbie and David Sevant  
Marian (née Friel) and Simon Binks

## RETIREMENTS

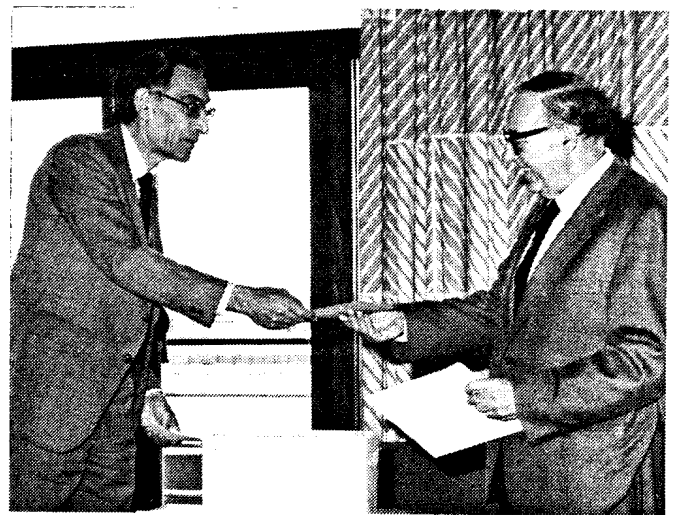
Mr. D.A. (Alex) Taylor

Alex Taylor retired earlier this summer after over 30 years with BICC. The picture, printed above, was taken at Alex's retirement presentation, the large audience at which was ample testimony to Alex's popularity throughout BREL.

The following article is based on some notes Derry Moore prepared for inclusion in a presentation speech to Alex. It was originally our intention to précis the notes (a euphemism for censor), however, this was not done for two reasons:

- (i) it seemed a pity to omit anything
- (ii) the notes were given to us typed, such that they could be inserted straight into the BT.

The story starts in 1950, at which time Alex and Derry were employed as engineers in the Chemistry Department, working on the development of mineral insulated cable. The project was sited where the glass fibre unit is presently located. At that time the old roof structure which used to house the coal bunkers was still in situ. Alex employed the coal bunkers quiet usefully as part of the MIC project, this is where the clay mixing and initial extrusion started. Alex and one or two others made further use of the coal bunker, successfully converting it into an indoor golf range. Alex was ring leader in another incident which became a tradition and this probably came about because of the association of the Chemistry Department and the engineers in it. It involved Guy Fawkes Night when much ingenuity was put into various firework engines, these were not normal fireworks and on one occasion involved a large sheet metal gas oven charged with gas and ignited from a safe distance, it gave quite a spectacular display. On conclusion of the MIC development we were moved to the Metallurgy Department and found ourselves virtually in charge for quite a long period, this was due to the shortage of trained metallurgists.



Next we transferred to a new department and this was virtually the fore runner of the existing Engineering Department, the Instrumentation and Control Engineering Department was led by Dr. Graneau. Upon its conception Alex was despatched to Cambridge for a years postgraduate course on control system technology. There were many innovated projects and I give a few examples. The development, construction and operation of a railway carriage equipped with instrumentation for live testing of the new single catenary overhead line construction. At the time of the project the railway marshalling yard along side us here at Wood Lane was still active and we were able to have the carriage right up against our boundary which was convenient during its installation and development period. Later it was taken to the Styal line near Manchester for commissioning trials, when Alex managed to fall foul to the local Member of Parliament to whom complaints had been made concerning the noise from the generator that we were running to power our system. A basic reason for this was that we drew little power from the rather large generator that had been supplied to us, consequently it ran rather noisely. Alex's answer was to send me out to buy in a supply of electric fires, suitably chosen for redeployment after they had done their work! The addition of the fires to the power load reduced the complaints and we had no further MP problem. Change of leadership was looming and Dr. Brazier was about to retire and Dr. Williams to take over. At about this period both Dr. Williams and Alex were seconded to the underwater gas cable project based at Glovers Manchester, this was not an electric cable but one designed on electric cable construction principles to carry natural gas from the Canadian main land to Vancouver Island. Anecdotes for this period are best obtained from Norman Waterhouse. Upon their return Dr. Williams became Managing Director and no doubt he will remember two quite separate quite ingenious holiday excuses reported by Alex. At this time Alex was a member of the Little Ship Club, from whom he used to obtain commissions for delivering small boats from England to the Mediteranean. On one of these occassions he sent a telegram back to Dr. Williams appologising for his non return to work and blaming it on a Swiss Alp which had refused to melt to provide sufficient water for him to float his boat through the canal system somewhere en route to the Mediteranean. On another occassion he found himself locked in

that little no-mans land stretch of canal between two customs stations. He was carrying a large supply of liqueur on behalf of the owner of the boat and customs were demanding due payment that had not been supplied by the boat owner, after a reasonable period trying to contact the boat owner Alex contrived his own solution. He threw a party, invited both customs to the party, thereby successfully and completely removing the reason causing the delay. As to how he eventually pacified the boat owner for the loss of his liqueur you had best ask Alex! By now Alex has taken over as Head of Department of the Instrumentation and Control Engineering Department which was soon to be split into three units. One of these was the new Applications Engineering Department which Alex located at Alperton. Even here he tried to continue the Guy Fawkes night tradition, on this occasion he tried to vertically inflate a 200 foot long plastic sausage in the hopes that it would be seen from Wood Lane. Perhaps the other thing note worthy about the Applications Department work at Alperton was the birth of full scale plant design, development and installation and in fact on one note worthy occasion even operation of the plant and that was the millimetric wave guide project. One little part of the wave guide project is again note worthy, Alex bet Dr. Williams that Alperton would electroform a copper tube on a 9 foot long parallel mandrel and extract the copper tube in tact, 2 months later Alex extracted his bet from Dr. Williams when he tabled in the Senior Dining Room a sample copper tube.

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E.I. Cooke



Ted Cooke retired on August 31st after "only" 11 years at Wood Lane, but 42 years in the cable industry. He joined the submarine cable factory of the Telegraph Construction and Maintenance Company (Telcon) at Greenwich in 1942 and stayed there throughout a series of changes in ownership which involved BICC as a partner from 1960 to 1971. The factory was then taken over by STC and during a rationalisation episode with STC's

Southampton factory, Ted's job (Technical Manager) disappeared. So in 1973 he came to Wood Lane, joining the Polymers Department and transferring to the Optical Fibre team in 1975. In his distinguished career he played a major part in several innovations, examples being the injection welding method of joint closure for telephone cables and the development of the optical fibre jubilee cable.

He was always most helpful when approached for assistance and so made many friends in the course of his work, but his leisure-time interests in films, music and wines brought him very much on to the social scene at Wood Lane and many more people will miss him from now on. A large gathering in the Main Hall listened to Dr. Farmer expressing everybody's good wishes for Ted's retirement and the Bush Telegraph echos these sentiments.

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TOM RUBEN

Tom Ruben left the Company at the end of June this year after completing almost 21 years' service. He spent most of this period in the Diffraction and Microscopy Department, latterly the D & M Section of Analytical Services, working on the electron probe instruments, carrying out microanalysis and microscopy of a wide range of materials. More recently he was working in the Analytical Chemistry Section of the same department on Infra-Red Spectroscopy and Differential Thermal Analysis.

In his time here he had devoted many hours to the benefit of the Social Club, being a stalwart of the Film Society committee, holding the positions of Chairman and Secretary at various times. He also compiled the history of the Society which you have been able to read in the pages of this magazine, as well as being a regular contributor of the Film Column. At his leaving presentation Mac McAllister also pointed out that Tom was known by sight by a large number of our children as he had often projected films at the Social Club's annual Children's Party.

I take this opportunity to thank Tom personally for his help in the past as our work had often overlapped and on behalf of the Social Club I thank him for the vast amount of effort he has given, and hope perhaps that we will still see him at the Film Society shows in the future.

Denis Groombridge

# LETTERS TO THE EDITOR-THANKYOU

Dear Sir,

I should like, through you, to thank all those friends at Wood Lane who contributed to my retirement gifts. The mobile shopping bag is already proving useful and the rechargeable batteries are already distributed around the house. The electronic timer has also already controlled the washing machine in the early hours of the morning on "plan 7". I hope to save a lot of money with all these presents!

Retirement seems marvellous so far, especially not having to get up at 5.30 in the morning and being at home to watch the 6 O'clock news.

I expect to pay the odd visit to Wood Lane in the next few months and at least be present at the Wine Tasting and the Senior Citizens' luncheon.

Kind regards to all.

Ted Cooke

Dear Friends,

I would like to thank you all for your good wishes on my leaving Wood Lane at the end of June, and for your most generous gift. I have used the money to buy a colour slide printer.

I hope to see some of you in future at film shows, but in the meantime may I express the hope that I will be kept in touch with the Wood Lane news through the pages of a surviving Bush Telegraph.

Tom Ruben

Debbie and David Sevant would like to take this opportunity to thank everybody who contributed to their lovely wedding gifts. David doesn't know what he would have done without his new iron!!

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Dear Everyone,

I am absolutely overwhelmed - yet again!!! I don't quite know what to say. The cheque that Simon and I received as a wedding gift was very touching, and most unexpected, especially as you have all been on my conscience since I left Wood Lane!

As some of you know, Simon was one of the main reasons why I did not and was unable to acknowledge in writing the very generous cheque that I received from you all when I left Wood Lane (he's not here to defend himself!), coupled with trying to concentrate on my new job, then an overseas trip - I could go on, but for fear of boring you all with my excuses and telling you my life's story, let me just say that since I left Wood Lane my life has turned upside-down, inside-out and back-to-front! All good I hasten to add, but nothing straightforward, therefore taking up all my time, so it really was very kind of you all to express your thoughts and feelings yet again.

Please accept my/our deepest appreciation and thanks, for the kindness that you have shown. We haven't actually bought anything with the money yet, but as soon as we do I will let you know.

Once again thankyou all very, very much.

Marian and Simon



# LETTERS TO THE EDITOR- COMMERCIAL OPPORTUNITY

Sir,

Has consideration been given to selling or leasing of the fishing rights in respect of the lake which, whenever it rains, appears in the vicinity of the main Gate?

E.L. Ross Gower

We need a good agent, any offers?

## CONGRATULATIONS II

Following the publication of their book "The History of Wood Lane", Ted Morrison and Geoff Holder have received well deserved congratulations from many "Wood Laners" - both former and current employees. Among those to congratulate Ted and Geoff were Norman Davies, Tom Page and Bob Hinde, their letters are printed below.

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Dear Ted and Geoff,

Thank you so much for sending me a copy of 'The History of Wood Lane' and for all your good work on this subject over so many years. This is a book I'm really going to enjoy and congratulation to you both for completing it in the 50th Anniversary Year.

I'm sure that every member of staff, especially those who like me, have retired, will read this book with great pleasure and enjoyment.

With all good wishes to you,

Yours sincerely,

Bob Hinde

Dear Ted,

Many thanks for my copy of the History of Wood Lane. I have read this with great interest. I had a small part in almost all of the events mentioned and a large number of the photographs are "Mine".

I do hope that the Bush Telegraph will continue to be published, I look forward to reading it.

Best wishes to you and the Editorial Board.

Yours,

N.E. Davis

Dear Sirs,

Congratulations on producing the history of Wood Lane a lot of work goes into these books.

How is Wood Lane these days? Is Bob Black still there I shall never forget his Stag Party when Doc Williams and Bradbury hit the roof, happy days I enjoyed them all. I see Harry Sharman and Tiddler Fish have retired.

I have had 12 years in Somerset and have now reached the ripe old age of 72!!! Tempest lives some 16 miles away.

Well more power to your elbows.

Yours truly,

Tom Page

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## FOR SALE

Attractive and neatly converted  
Studio Flat for sale in W.12.  
Bed/sitting room, Kitchen, Bathroom  
and outside back patio. £26,750.  
Contact Penny Thornton at  
LBS, extension 470 or at home  
749 4610.

# LETTER FROM NEW ZEALAND

Dear Friends and Colleagues,

Once again I pen to you all, my letter from distant New Zealand. Both Ann and I have stored in our memory banks many wonderful and happy recollections of our ten weeks holiday in the U.K. We both think it was money well spent (at last I agree with Ann that being the richest man in the cemetery isn't really much of a proposition!)

We arrived at Gatwick on an Air New Zealand through flight from Auckland with a four hour break in L/A. These through flights, although tiring, have one good advantage, no hassle with customs, our baggage being checked in at Wellington airport and recovered on our arrival at Gatwick. I must say the latter is a lovely terminal from which to begin ones holiday, primarily because it is not so vast. It was very exciting being met by our son and grand children, really it didn't seem as if nearly five years had slipped past, excepting may-be the difference we saw in our grand-daughter Lindsey, who from a toddler two years old is now seven.

The trip to our son's home was very pleasant, passing through Sussex, Surrey and Hampshire to the outskirts of Southampton, very near the Hamble river. It was also early spring and the trees and hedgerows had not yet had time to reach their peak foliage, truly beautiful England in all its glory! The sun was shining so brightly and continued to do just that for the whole of our holiday. In fact from all accounts it is still shining, the tragedy being so many parts of the U.K. are in dire need of the life giving rain.

Mid way through ~~the~~ first week our son negotiated and bought an old Wolesley 1973 for us, it was a God-send because without it our holiday would have not been so enjoyable, having not to rely on public transport - the price incidently being £135. Gabrielle, as we named her, was rather heavy on petrol but the sumptious comfort was worth it and she carried us altogether 2,600 miles with no mechanical troubles at all, from Southampton to London, into Kent and Sussex, I was thrilled to have stood on the actual spot where Harold was slain.

Our next venture was to travel North to the land of our people, me from Carlisle and Ann from Glasgow. Again the thrill of once again seeing our childhood homes, mine an old farm house on the Border near Gretna, which has not altered through the three score years and ten of my life - and Ann's, also, was very little changed, excepting a one-way system to approach it! We also travelled to the Highlands, Inverary and the head waters of Loch Fyne, Ann's mother was born in a small village lying on the shores of the Loch, Furnace. Ann spent

her school holidays here and it was quite a nostalgic visit for her. After a month in the North country and the days slipping past so quickly, we once more pointed "Gabrielle" nose to the South, visiting on route the English lakes, to tarry a while in the mountains I knew so well as a boy. Then our last days in England, the last frantic buying (by guess who) and again the trip to Gatwick, this time trees and hedge rows in their full glory with the vivid rich colours of the leaves and flowers lasting memories to take back with us to New Zealand. It goes without saying Ann and I were sad saying farewell to our loved ones but the glorious thoughts of returning once again to our beloved New Zealand were a predominant bonus. If God is good and gives Ann and myself a few years on this earth we may travel back again in the next two or three years, by then I wonder, shall I be fit enough to undertake the long journey?

Both Ann and myself enjoyed our visit to Wood Lane and we were impressed by the changes to the site through the last five years. Turning into Ariel Way actually took our breath away; instead of the car pound, the small house on the left hand side and car breakers (not forgetting dust and mud) there now stands an industrial complex. We were fortunate to arrive at Wood Lane on the very day Harry Charman terminated a 50 year stint with the Company. Dr. Moore's description of Harry's wartime experiences, truly cloak and dagger and MI5 rolled into one, lead me to say to Harry through the medium of the Bush Telegraph, well done old soldier, truly an unassuming hero!

In the five years Ann and I have been away we find the prices of many everyday things quite frightening and I felt that in 1979 where one spent £1 now it seems a "fiver" is needed. I was quite astonished to receive a £1 coin and felt rather sad that it had sunk so low but I guess it is what the powers that be want. All in all, taking all things into account, it was a great holiday and we really enjoyed ourselves.

Now we are settling down once again in our Kapite home amongst our Kiwi friends - the Olympic Games a memory and little New Zealand with eight gold medals having taken precedence over Great Britain and Australia, and last Saturday, August 18th, the All Blacks beat The Wallabies, in Sydney, to retain the Bledisloe Cup.

Finally before closing this letter I must congratulate Ted Morrison and Geoff Holder for their presentation "The History of Wood Lane" truly a magnificent effort.

It was really grand seeing you all again and that comes from our hearts.

Ann and Vic Denholm

# ANYTHING THEY CAN DO...

## THE ANACONDA COMPANY

Head office: Time-Life Building, 1271 Avenue of the Americas, New York, N.Y. 10020, USA-  
Telephone: 212 397-3845. Telex 420-810. Incorporated 18 June 1895 in Montana, USA, as Anaconda  
Copper Mining Co. Present title adopted 18 May 1955.

Directors: J. B. M. Place (Chairman), D. D. Geary, Jr., R. L. Knight, J. L. Marvin, R. O. Anderson,  
T. F. Bradshaw, L. F. Davis, E. M. Bensen, Jr., J. F. Downer, W. F. Kieschnick, Jr., R. M. Bressler.

Main divisions and their subsidiaries: Aluminum Div. (AlSCO Anaconda, Russell  
Anaconda Aluminium); Brass Div. (Anaconda Canada Ltd.); Wine and Cable Div.  
(Anaconda CATV Ltd., Communications Specialties, Inc.); General Mining Div.,  
Uranium Div., Montana Mining Div.; *Other subsidiaries and affiliates:* Alumina

## WE CAN DO BETTER!

BRIC ★ M21 84-141853/23 ★EP-109-864-A  
Friction actuated metal extrusion process - pickling the metal  
before granulating and feeding to the press

BICC PLC 10.01.83-GB-000536 (25.11.82-GB-033615)

P51 (30.05.84) B21c-23/02

24.11.83 as 307184 (464AP) (E) E(AT BE CH DE FR GB IT LI LU  
NL SE)

The metal for extrusion (Cu cathode) after pickling  
(H<sub>2</sub>SO<sub>4</sub>+H<sub>2</sub>O<sub>2</sub>+H<sub>2</sub>O) is preferably washed in distilled or  
deionised water, dried, stored and granulated in an inert or  
reducing atmosphere. The metal may be further pickled after  
granulating and then fed to the extruder.

Used for prodn. of extruded Cu wire using a Conforma  
extruder. The granular pickled metal feed is extruded without  
blistering. (8pp Dwg.No.0 (0))

C4:059824

## WINE TASTING

Time for the annual pre-Christmas wine tasting is  
approaching and as usual an array of sixteen or so different  
wines, from different countries and regions, will be available  
for tasting ( and drinking ).

The Social Club will again be providing the  
excellent cold buffet with a variety of cheeses and other  
'goodies'.

The ticket prices, to cover the cost of the wine,  
have yet to be finalised, but should be much the same as last  
year at around £3.

So don't forget:

Friday 16th November

Main Hall 7.30 pm

Futher details can be obtain from David Goff (291)  
and Denis Groombridge (212).

# Children's Christmas Party

This year's party will be held on Saturday 15th December, starting at 3 o'clock and finishing at 6 o'clock. Member's children, grand children, nieces and nephews between the ages of four and twelve years are eligible to attend.

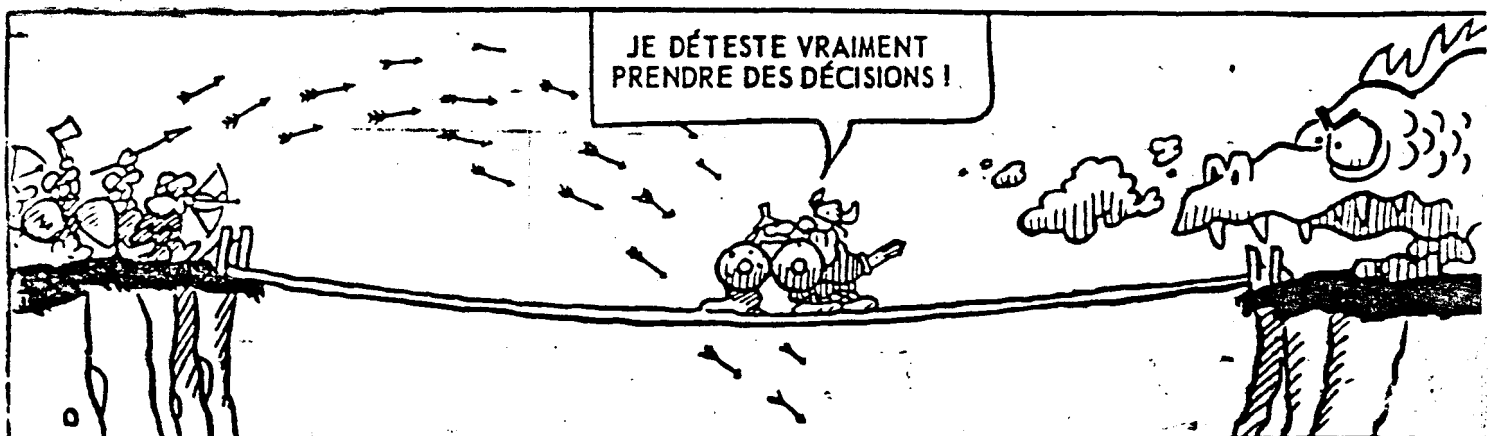
All forms are required by the October 29th

| Boy | Age | Girl | Age |
|-----|-----|------|-----|
|     |     |      |     |

Member's Name .....

Return the completed form to P.T.J. Walton

## HE WHO WOULD MANAGEMENT BE



# PUZZLE

Submitted by Denis Groombridge for those of you with micros or programmable calculators. If you divide 2519 by 10, there is a remainder of 9; if you divide 2519 by 9 there is a remainder of 8; if you divide 2519 by 8 there is a remainder of 7; and so on. Can you find two other numbers with the same property.

- See next month's issue of the BT for DG's solution.

## TRUE OR FALSE

Physics Abstracts 15.8.84

73199 Computer simulation of  $F = m/a$ . H.C. Hayden (Dept. of Phys. Univ. of Connecticut, Storrs, CT. USA).

Physics Teach. (USA) Vol 22 No. 4, p. 246-7  
(April 1984).

There are many reasons to use computer simulations, instead of having students work with apparatus. Not only do modern computers work better than old-fashioned pulleys, but experiments can be performed on computers which can't be done in most laboratories. Prior experience with video games makes the students eager to learn via computer technology. The author's simu-lab is described. As a case study in computer simulations, he chose a law which is well known to large numbers of students, but for which they have little intuition. Equation (1), below, is ascribed to Newton, although some science historians claim that he is not responsible for it: Force = mass/acceleration Eq. (1). Experiments to demonstrate Eq. (1) are difficult, partly because of the difficulty of measuring both the acceleration and the mass simultaneously. To this end he has constructed a computer simulation which describes the experiment generates data, allows students to see the data, plots the data, and generates Eq. (1) with a least-squares fit (no refs).

Newton would certainly disclaim responsibility!

M. Fox

# PITCH'N'PUTT

Way back in June (or was it July) the annual Pitch 'n' Putt Competition was held in Gunnersbury Park. A larger number of competitors than in recent years, 23 in all, took part this year. These included a member of the BREL Golf Section, Dan Tan (the first such entry since the formation of the Golf Section according to the memory of your correspondent). Despite the unusually fast, sun scorched greens scores appeared lower than in the past. Prize winners were:-

|                                      |   |  |      |
|--------------------------------------|---|--|------|
| Best Individual Score                | : | Dan Tan and Keith Elder                      | - 35 |
| Best Pair                            |   | Dan Tan and Murray Irvine                    | - 71 |
| Best Lady                            | : | Sylvia Fraser                                | - 45 |
| Highest Individual Score             | : | Carol Platt                                  | - 56 |
| Largest No. of Shots at any one hole |   | Carol Platt, Eric Chawner and Richard Fraser | - 9  |

Lincoln Tingle should have won the last of the prizes mentioned above, he scored 11 at one hole. Unfortunately, due to a misunderstanding, he and his "team" (Ian Fordham and Martin Townshend) went straight to the 10th hole at Strand-on-the-Green on completing the course and missed the prize share-out.

## BICC/BREL HIERARCHY?

### Technical Director, BICC plc:

Leaps tall buildings at a single bound,  
Is more powerful than a locomotive,  
Is faster than a speeding bullet,  
Walks on water,  
Gives policy to God.

### BREL Director:

Leaps short buildings at a single bound,  
Is more powerful than a switch engine,  
Is just as fast as a speeding bullet,  
Walks on water if sea is calm,  
Talks with God.

### Research Manager:

Leaps short buildings with a running start  
and favourable winds,  
Is almost as powerful as a switch engine,  
Can fire a speeding bullet,  
Walks on water in an indoor swimming pool,  
Talks with God if special request is  
approved.

### Department Head:

Barely clears a quonset hut,  
Loses tug of war with locomotive,  
Misfires frequently,  
Swims well,  
Is occasionally addressed by God.

### Department Secretary:

Lifts tall buildings and  
walks under them,  
Kicks locomotives off tracks,  
Catches speeding bullets in  
her teeth and eats them,  
Freezes water with a single  
glance,  
Is God.

### Section Leader:

Makes high marks on walls when trying  
to leap tall buildings,  
Is run over by locomotive,  
Can sometimes handle a gun  
without inflicting self-  
injury  
Dog paddles,  
Talks to animals,

### T1 - T5 (i)

Runs into buildings,  
Recognises locomotives two out  
of three times,  
Is not issued ammunition,  
Can stay afloat with life  
jacket,  
Talks to walls.

### T1 - T5 (ii)

Falls over doorstep when  
trying to enter building,  
Says, "Look at choo-choo,"  
Wets himself with a water  
pistol,  
Plays in mud puddles,  
Mumbles to himself.

Depends on Department

Based on the "Academic Hierarchy" from the June, 1984, issue of Chem. Tech.



# 1984 6-A- SIDE

## CRICKET COMPETITION

On a clear, sunny evening in July, 6 teams of cricketers from BREL, and their supporters, gathered on Wormwood Scrubs to contest the 1984 Interdept. Cricket Competition.

The 6 teams were split into two groups of 3 (Divisions A and B), each team played the other two once in its division. The winners of the Divisions contested the Final, while the runners-up played for 3rd and 4th places.

|            |   |
|------------|---|
| Division A | Control Engineering<br>Patents<br>Radiation/Analytical Services |
| Division B | Polymers<br>Optical Transmission<br>Works Services              |

In Division A the closest game was between Control Engineering (CE) and Radiation/Analytical Services (RAS). Batting first, CE set a reasonable target of 36 runs for RAS to beat. RAS started badly however and after 2 overs were 4 wickets down with only 1 run scored (a bye).

Roy Fraser and Peter Walters then set about the bowlers such that by the start of the final over RAS required only 10 runs to win. Roy reduced this to 8 with 2 off the first ball of the over, a bye was run on the second, on the third Peter was caught in the deep while attempting to lose the ball so that RAS could be given a 6 and so win the match!

In the other games of Division A, both RAS and CE defeated a combined(Maths/Patents) Physics team led by Mike Denton.

In Division B, Polymers, having overcome Optical Transmission scraped to victory over Works Services to secure a place in the final against the Division A winners, CE. Much to the consternation of her opponents Bobbie Wardrop, of Optical Transmission, proved to be a fine bats(wo)man.

The match between RAS and Works Services (WS) to decide 3rd and 4th places in the competition was always close. WS, batting second, never managed to raise their scoring rate to beat the RAS total of 39.

The final (a repeat of 1983, at least with regard to the titles of the teams playing) between Polymers and Control Engineering was rather a one-sided affair. Polymers failed to provide the strength of opposition to the Engineers that Radiation/Analytical Services and Patents had in Division A. Having been set to get 44 for victory, Polymers were all out for 18 runs.

After the competition almost everyone returned to Wood Lane where sandwiches and liquid refreshments were enjoyed.

Results

|            |                     |            |   |   |       |
|------------|---------------------|------------|---|---|-------|
| Division A | Control Engineering | 21 for 2   | - | 3 | overs |
|            | Patents             | 20 all out | - | 5 | overs |

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|                     |            |   |     |       |
|---------------------|------------|---|-----|-------|
| Radiation           | 30 all out | - | 4.2 | overs |
| Control Engineering | 36 for 3   | - | 5   | overs |

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|           |            |   |     |       |
|-----------|------------|---|-----|-------|
| Radiation | 24 for 1   | - | 3.1 | overs |
| Patents   | 23 all out | - | 3.2 | overs |

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|            |                      |          |   |   |       |
|------------|----------------------|----------|---|---|-------|
| Division B | Polymers             | 22 for 2 | - | 3 | overs |
|            | Optical Transmission | 21 for 3 | - | 5 | overs |

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|                |          |   |   |       |
|----------------|----------|---|---|-------|
| Polymers       | 42 for 1 | - | 5 | overs |
| Works Services | 41 for 3 | - | 5 | overs |

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|                      |          |   |   |       |
|----------------------|----------|---|---|-------|
| Optical Transmission | 20 for 4 | - | 5 | overs |
| Works Services       | 32 for 4 | - | 5 | overs |

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Match for 3rd and 4th places

|                |          |   |   |       |
|----------------|----------|---|---|-------|
| Radiation      | 39 for 2 | - | 5 | overs |
| Works Services | 34 for 1 | - | 5 | overs |

Final

|                     |            |   |   |       |
|---------------------|------------|---|---|-------|
| Polymers            | 18 all out | - |   |       |
| Control Engineering | 43 for 1   | - | 5 | overs |

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# A FISHY STORY , OR , ALAN BANGAY'S TRIUMPH



The British Conger Club Championship 1984

An important occasion in the sea angler's year particularly for those having an interest in the 'heavier' side of the sport, is the British Conger Club championship. Members of the BREL club have regularly participated in this competition for the past four years, with Dereck Glockner winning the championship in 1982.

This year the event was held at Plymouth on the weekend 21st and 22nd July, and was attended by Dereck Glockner and Alan Bangay together with another 127 entrants.

The championship also includes team competitions; Alan and Dereck jointed up with two other Conger club members, Les and Ken Smith from Birmingham to fish as an informal team.

The evening before the start of the competition is occupied by a formal draw to decide the boats to be used by the competitors on each day of the competition. Dereck was to fish aboard 'Boa Pescador', a well known charter-boat on Saturday and 'Sunlit Waters', skippered by Roy Parsons, on Sunday. Alan by co-incidence drew 'Sunlit Waters' on both days. After the draw the remainder of the first evening was spent, as is tradition, in ceremonial hook sharpening and other rituals associated with appeasement of the local weather gods and the sustenance of the inner angler.

Saturday's weather proved to be sunny with the wind gusting fresh. Since the wind was against a flood tide in the morning, anchoring and positioning of the boats proved difficult. Furthermore the author was informed that movement of the boats made for difficult fishing, such that Alan failed to catch any fish and Dereck lost a conger (described as VERY large) near the surface when his line snapped. The loss of this fish, particularly by an ex-champion, elicited plenty of proverbial 'stick' for Dereck during the following evening's 'apres-fish'. However, Dereck did manage to boat two small congeners and several ling. The other two, co-opted, members of the 'scratch' BICC team failed to catch and spirits were reported as somewhat subdued at this juncture.

Sunday's fishing was accordingly approached with an attitude of 'everything to go far and nothing to loose' by DG and AJB.

The fishing mark chosen by the skipper of 'Sunlit Water' on Sunday was over a large wreck two hours 'steaming' east from Plymouth. During the morning, on a making tide, several small eels and some ling were caught by our anglers but it was not until the last hour that Alan registered a good bite and proceeded to bring in a 55 lb 2 oz specimen, with Dereck catching a 22 lb eel at about the same time.

I can proudly report that by catching the 55 lb eel Alan became eligible not only for full membership of the Conger Club also achieved the distinction of becoming British Conger Club champion for 1984, following Dereck's example two years earlier.

Alan was awarded the magnificent 'Hetty Eathorne' Trophy and, in addition, was presented with a portable TV club tankard.

Not content with taking the main prize, Alan and Dereck together with their co-opted colleagues won the team trophy with an aggregate weight of 134 lb 2 oz. They each were presented with wrist watches and club tankards.

Chris Buchan

CORRECTION

or we had a bit of "Bovver" with our Hover

The caption to the cover photograph in the last edition of the BT, referred to the insect portrayed as a 'May Fly'. This was, of course, nonsense as Roger Millward pointed out to us (he was the photographer who persuaded the beast to model for him). The fly was a Hover Fly.

# 1984 HORTICULTURAL SHOW

In 1983 the first Horticultural Show for many years at Wood Lane attracted an entry of 13 people, and about 75 items were exhibited. Encouraged by the response and enthusiasm of the people who took part, the organisers decided to hold the Show again in 1984 hoping for a modest increase in participation from Social Club Members. To say that we were overwhelmed by the response in 1984 would not be far from the truth. Twenty-three Social Club Members staged 150 exhibits, with most classes being represented. At the conclusion of judging, competitors and their guests enjoyed wine and buffet refreshments and many took the opportunity to seek the advice of our visiting judge Dennis Willis who once again took care and interest during his deliberations. Our thanks go to him and to our "resident" wine judge Barry Howell. The entries received are too numerous to recall here, but perhaps special mention should be made of the "Any other fruit" class which attracted entries including Cantaloupe Melon from John Vernon, Kiwi Fruit (Chinese Gooseberry) from Derek Brackman, and Grapes from Chris Buchan. The prizes awarded at the conclusion of the Show were as follows:

|  |                 |
|--|-----------------|
| Best Exhibit (Vegetables)  | John Vernon     |
| Best Exhibit (Flowers and Plants)                                | Annette Mattock |
| Best Exhibit (Fruit)   | Chris Buchan    |
| Best Horticultural Exhibit<br>which was awarded the Brazier Bowl | Chris Buchan    |
| Most Points in Vegetable Classes                                 | Andy Platt      |
| Most Points in Flower Classes                                    | Dave Goff       |
| Most Points in Fruit Classes                                     | Eugene Nalon    |
| Highest Number of Points Overall                                 | Andy Platt      |

When the organisers of the show decided to invite Barry Howell to judge the wine and beer section of this year's show they did so with some trepidation given the small number of entries in last year's show. Their anxiety was misplaced, however, for 7 competitors entered a total of 10 bottles of wine and 8 bottles of beer. The results of the competition were as follows:

|                 |         |                          |
|-----------------|---------|--------------------------|
| Best red wine   | - kit   | John Wilson              |
|                 | non-kit | John Wilson              |
| Best white wine | - kit   | John Wilson              |
|                 | non-kit | John Wilson              |
| Best beer       | - kit   | Andy Platt/Peter Walters |
|                 | non-kit | John Wilson              |

As is evident from the list, John Wilson of Polymer Materials can justifiably claim to be the Master Home Wine and Beer Maker at Wood Lane. In all of the wine categories, his entries were judged to be markedly superior to all of the others, his elderflower wine was said to be particularly good. Mr. Howell found the beer section to be more of a problem to judge than the wines, not least because there was only one category, bitters and lagers were judged together. Again, John Wilson's non-kit beer was found to be better than any of the other (kit) beers entered.

A selection of photographs taken of the show by Derek Brackman will appear in the Christmas edition of the BT.

# SOCIAL CLUB

## Club Membership Forms

By now everyone should have received new membership forms for the Social Club with the increased subscription rate, and to those of you who have completed and returned them promptly I would like to say thank you.

If you have not returned a form but wish to join or remain a member of the Club please fill one in and send it to Peter Walton or myself as soon as possible. ( If anyone did not receive a form or has misplaced it, I can supply one, just ring 212 )

Membership of the Club is necessary for those who wish to participate regularly in the various activities, borrow equipment and/or use the Bar. So please fill in your forms.

A list of current section secretaries is being prepared and should be published in the near future.

Denis Groombridge

A complete list of members of the Social Club will be published in the next issue of the BT.

## SECTION REPORTS

### GENEALOGY SECTION

#### THE FAMILY TREE

A new, bi-monthly, publication "The Family Tree Magazine" is due out on November 1st. Described as "The genealogy magazine for beginners and experts" it will initially be available by direct subscription (£5 per annum - 6 issues), or 85p per issue from "a limited number of newsagents". Details and application forms are available from Mike Hagger (X 268).

#### GENEALOGICAL RESEARCH DIRECTORY (GRD)

The next edition of the GRD (not to be confused with the National Genealogical Directory) will be published in Spring 1985, and entries close on 15th November 1984. Anyone wishing an application form should contact Mike Hagger.

# THE FILM COLUMN

## FILM SEASON : 1984-5

The film Committee's selection of films for the forthcoming season is given below:

|                   |                                |                  |
|-------------------|--------------------------------|------------------|
| 24th October 1984 | RAIDERS OF THE LOST ARK        | (18pts, av. 3.0) |
| 14th November     | GALLIPOLI                      | (20pts, av. 3.3) |
| 5th December      | FRENCH LIEUTENANT'S WOMAN      | (18pts, av. 3.0) |
| 16th January 1985 | THE QUACK                      | (20pts, av 3.3)  |
| 6th February      | THE LONG GOOD FRIDAY           | (16pts, av 2.7)  |
| 27th February     | THE YEAR OF LIVING DANGEROUSLY | (21pts, av 3.5)  |
| 20th March        | THE GETTING OF WISDOM          | (21pts, av 3.5)  |

Films were marked as normal, i.e. 4 (EXCELLENT), 3 (GOOD), 2 (AVERAGE), 1 (POOR) and 0 (BAD). The films that didn't make it for the season were:

|                               |                  |
|-------------------------------|------------------|
| LE GENOU de CLAIRE            | (19pts, av. 3.2) |
| THE FOUR SEASONS              | (16pts, av. 2.7) |
| THE MAGUS                     | (15pts, av. 2.5) |
| LORD OF THE FLIES             | (14pts, av. 2.3) |
| UNDER FIRE                    | (14pts, av. 2.3) |
| ALLEGRO NON TROPPO            | (13pts, av. 2.2) |
| THE OPTIMISTS OF NINE ELMS    | (13pts, av. 2.2) |
| THE TROUBLE WITH HARRY        | (12pts, av. 2.0) |
| INVASION OF THE BODYSNATCHERS | (11pts, av. 1.8) |

LE GENOU DE CLAIRE (CLAIRE'S KNEE) could not be obtained in a good enough print for us to screen. Details about the selected films and accompanying programmes will be issued shortly in our usual brochure.

The winner of the FREE TICKET for the SOIRÉE film show was, inevitably, JOHN TAYLOR (Optical Transmission) - a non-transferable (!) ticket will come to you shortly - CONGRATULATIONS.

## HAVE YOU SEEN (?) COLUMN

One summer evening I was persuaded to leave work early and go to the pictures. Five and a half hours later I left, having sat through the STAR TREK saga. STAR TREK, THE MOTION PICTURE, took too long to get going. STAR TREK 2, THE REVENGE OF KHAN, is just what fans want. Simple GOOD v BAD, with lots of action. STAR TREK 3, THE SEARCH FOR SPOCK, was intermediate in standard. I would have been disappointed if I had just seen the first film. If you have the stamina, see them all in one go.

However, one of the most entertaining films that has been made for a long time is INDIANA JONES and the TEMPLE OF DOOM. A noteworthy sequel to our own Soirée film, full of action and comedy and all those little horrible creatures that make one squirm, the film is a delight from start to end.

Finally, another enjoyable film is ROMANCING THE STONE. This film should probably have been titled ROMANTICISING THE STONE, as its definitely for romantics. The action moves along at a nice pace.

If anyone has any queries regarding the forthcoming season please ask any committee member:

|                              |         |
|------------------------------|---------|
| Richard Grigsby (Chairman)   | ext 363 |
| Bobbie Wardrop (Treasurer)   | ext 312 |
| Ron Hall (Bookings)          | ext 284 |
| Joe Lou                      | ext 291 |
| Martin McDonough             | ext 396 |
| Sasha O'Bow-Hove (Secretary) | ext 396 |

### BRIDGE SECTION

The section has been active during the summer, having participated in all the 'closed' season events organised by the Hammersmith League.

Two pairs played in the 'Pairs' competition both being well played. Roy Fraser and Dennis Groombridge fourth, and Roger Millward and J. Gobbetti sixth from thirty eight pairs. This event will be best remembered for its unique movement, devised by a confused Tournament Director, Robin Belcher, when in the second half the boards went down one table, and the east-west pairs moved to the nearest vacant table which had boards that they had not previously played.

In May the Club were hosts to the Leagues 'Swiss' teams event, and the 'A' team (Lockyer, Groombridge, Gobbetti, Millward) celebrated by finishing runners up to Young Chelsea 'A' after a tie break. Both sides had gained 69 Victory points, and the match between the two teams had been drawn, therefore Young Chelsea with a greater number of IMP's were acclaimed the winners. The BICC 'B' team (Tan, Neora, Shuttleworth, Fraser) finished twelfth.

In the Team of Four events, the 'A' team (Gobbetti, Millward, Groombridge, Fraser) were again runners up, on this occasion to Young Chelsea 'B', and our 'B' team (Tan, Edney, Melbourne, Shuttleworth) were seventh.

The 'A' team reached the last six in the Summer double elimination K/O Cup, before being defeated, first by Young Chelsea 'A', and the Flyover 'A'.

This season the Section will be represented by two teams in both the Hammersmith League, and London Business House League, and a single team in the Lang's Trophy.

The Section will be holding their Annual 'Pairs' competition on Wednesday 31st October starting at 6.15 pm, anyone wishing to play should contact R. Fraser before 24th October.



ANNUAL PAIRS COMPETITION

The annual pairs competition will take place on Wednesday 31st October 1984 on the fifth floor, McFadzean at 6.30 pm prompt.

There will be an entry fee of £3.00 per pair, which includes the cost of refreshments. To enter, please complete the attached form and return with fee, not later than Wednesday 24th October 1984.

R. Fraser

Section Secretary



*"Next Friday we'll be letting you go. In the meantime I'd like to see some improvement in your work."*

## MOTORING

Now that the season of mists and fogs is with us, and for those of us with short memories; remembering to switch the heated rear window (HRW) off as soon as it is no longer required may be a problem. These devices use a large current and combined with other accessories may well exceed the output of the generator.

The following article reprinted by kind permission of "Saab Driver", to some extent overcomes this problem.

# Electrics — for Peasants

D. PAGE

## H.R.W. Timer

If current advertising is to be believed it would appear that the 1984 Turbo's are now fitted with a heated rear window timer. I don't know how the Saab one works but it's nice to see that they are catching up with me. I've had one on my 99 for quite some time. If you can afford about £4 and the construction time then its out with the soldering iron and away you go!

The components, when connected, form a timing circuit (See Fig 1) which is made to switch the car's existing heated rear window relay on and, after the time period, off again. The time period on mine is fixed at about 9½ minutes. I did consider making this period variable but abandoned the idea working on the assumption that it was one less part to fit, fiddle with and like as not, forget which position it was left in anyway. Fig 2 is a table of resistor selection to time scale, to obtain the time that you require simply fit the appropriate resistor in position R5. To mount the parts, I used a piece of 0.1 inch pitch Veroboard. This measured 65mm x 45mm and fits nicely inside a Verobox 301 measuring 80mm x 50mm x 25mm which is no trouble to hide under the dash with a piece of double sided sticky tape. I positioned the start button and green L.E.D. on either side of the H.R.W. switch and both being about ¼ inch diameter they match and take up no room at all.

The relay that I used on the board was a sub-miniature 12v 2 pole changeover P.C.B. device which switches the car's own H.R.W. relay on and off. If you have fitted a rear screen heater as an extra and don't have a relay to switch it on then you could use just one heavy duty 2 pole changeover relay (15 amp) in place of RL1 and RL2 but you'll find this a pretty expensive item.

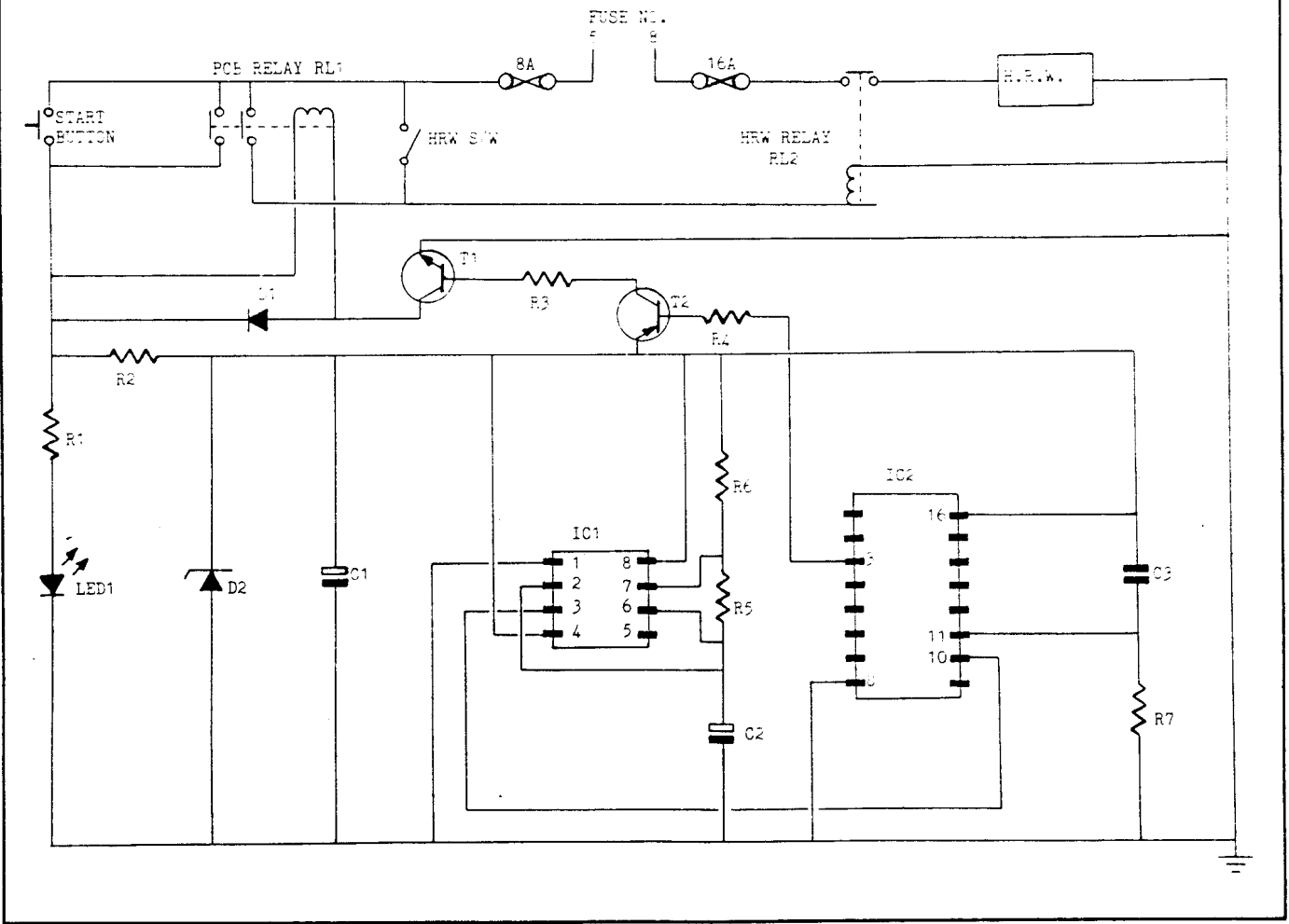
Briefly, this is how the circuit in Fig 1 works. When the start button is pressed, the output (Pin 3) of the 4020 I.C. turns on relays RL1 and RL2 through the transistors and also starts the timing circuit. The 555 timer I.C. is wired so that it gives an output pulse (on Pin 3) every 34.5 milliseconds. These pulses are counted and stored by the 4020 I.C. and upon receiving the 16,384th pulse will turn the transistors and hence the relays off. ( $16,384 \times 0.0345 \text{ secs} = 565 \text{ secs} = 9\frac{1}{2} \text{ mins}$ .)

Here is a list of parts not already mentioned -

|               |                               |
|---------------|-------------------------------|
| R1—470 ohms   | C1—100 microfarad 25V elect   |
| R2—270 ohms   | C2—2 microfarad 35V tantalum  |
| R3—2.7K ohms  | C3—0.1 microfarad polyester   |
| R4—10K ohms   | D1—IN4001                     |
| R5—From Fig 2 | D2—1 1V zener                 |
| R6—2.2K ohms  | I.C.1—555                     |
| R7—1M ohms    | I.C.2—4020 CMOS               |
| T1—BC10g      | LED 1—Green .2 inch           |
| T2—BC17g      | Miniature push to make switch |

| Fig 2 | Resistor Value | Time     |
|-------|----------------|----------|
|       | 100K           | 20 mins  |
|       | 68K            | 13½ mins |
|       | 47K            | 9½ mins  |
|       | 33K            | 6¾ mins  |
|       | 22K            | 4½ mins  |
|       | 15K            | 3¼ mins  |
|       | 10K            | 2½ mins  |

Fig. 1



*"Time off? Sure, we have a liberal time off policy: Spend eight hours a day working for us, and the other 16 are yours to do with as you please."*

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