



# NEWSLETTER

No. 98

June 1969

## Birthday Honours 1969

Staff will be pleased to see that the Queen has conferred a knighthood on Professor Brian Flowers, the Chairman of the Science Research Council, and has awarded the British Empire Medal to Mr. G. E. A. G. Barnett of this Station. It is particularly gratifying to see that Mr. Barnett's sterling service to the Station over so many years has been recognised in this way.

The Editor regrets that, owing to staff absence and pressure of work, this Newsletter is appearing late and in a shortened form.

### Station News

On July 1st and 2nd a central Induction course for new S.R.C. staff was held at R.S.R.S. It is hoped to include a report of this in the next issue.

Dr. J. E. Hall's group have been carrying out Rocket-borne measurements of the D-region. These have taken place at the South Uist launching site and been timed to coincide with airborne measurements of phase and amplitude of signals at frequencies of 16, 60 and 68 kHz.

Dr. Bain is attending a four week management course from 28th June. One week will be spent at Canterbury and three weeks at Cambridge.

### Staff News

#### Congratulations to:

Chris and Norah Comer on the birth of their daughter Kim Alison, on 7th June.

Albin and Marika Zavody on the birth of their daughter, Aniko Susan Yvonne, on 22nd June.

#### Resignations

S. L. Close	S.S.A. Returned to D.E.S.
R. W. LeCheminant	S.S.A. Returned to D.E.S.
S. M. Hussain	A.E.O. Resigned

#### Other changes

M. A. Tracey	E.O. Transferred from Div. I to Div. IV
N. A. Marsh	A.E.O. Transferred from Div. VI to Div. I

Obituary

It is with regret that we record the death of Mr. F. E. Packer on 10th May. Mr. Packer had been working at R.S.R.S. only a short time and consequently had little opportunity to become well-known to staff in general. His colleagues, however, had come to have a high regard for him and note his passing with sorrow.

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Professor F. J. Hyde

Older members of staff were greatly shocked to hear of the death of Professor F. J. Hyde of the Royal Military College of Science, Shrivenham. Frederick Joseph Hyde was a member of staff here from 1949 to 1958, during which time he was responsible for a considerable amount of research in the then new field of semiconductors. In 1958, with the rank of P.S.O. he left Ditton Park to join the staff of the University College of N. Wales, Bangor, where he was later appointed a Professor. Not long ago he accepted the post of Professor of Electrical and Electronic Engineering at the Royal Military College. His death, at the age of forty five, was the result of an accident in a swimming pool.

To his wife and family we offer our deepest sympathy.

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Sports and Social Club News

Membership of the Club is open to all who work on the Station. The subscription is only 4d a week and wives, husbands and children of members automatically become Associate Members.

Social activities include the annual Christmas Dance, Bonfire on November 5th, joint activities with the Admiralty Compass Observatory and Social Functions in our Club Rooms. Visits to the Royal Albert Hall for Industrial Concerts and to Windsor Theatre are arranged. A voucher scheme operates for tickets for concerts at the Royal Festival Hall.

Facilities on the premises include a bar, which is open at lunchtime and some evenings, table tennis, billiards, darts - all in the Old Building. We have our own tennis court and the front lawn does duty as a cricket/football pitch. Chess and Bridge Sections meet regularly in the main building and there is a flourishing Motor Club which offers discounts on oil and anti-freeze. The Camera Club has its own dark room and the Badminton section arrange games every Thursday all through the winter.

The list gives information about other services available. Anyone interested in an activity not listed is welcome to start a section. The Smith-Rose Cup is competed for annually in Sports Matches and car rallies by two teams of Station Staff owing allegiance to the North and South of Great Britain. More information is posted on the notice board about various activities; any more enquiries should be directed at the particular section representatives.

Membership forms are available from the Secretary.

Committee

Hon. Chairman	Vince Foley	Establishment
Hon. Vice-Chairman	Mike Farman	Room 121
Hon. Secretary	Pat Dadds	Room 7
Hon. Treasurer	David Llewellyn-Jones	Room 22 Spur B.
Hon. Minutes Secretary	Marie Huggins	Computer Reception

Committee Representatives:

Betty Carroll	Accounts
Mike Lawton	Room 121
Tony Dagnall	Room 127 Spur E.
Rodney Knight	Room 23 Spur B.

Section Representatives

Badminton	Alan Smith Mahboob Hussein Bob Marsh	Hut 19 Old Building Old Building
Bar	Tony Dagnall	Room 127 Spur E.
Billiards and Snooker	Ray Harrison	Room 128 Spur E.
Blood Donors	Tony Lowe	Main Lab. Spur A.
Bridge	Dr. Bain Paul Dickinson Robert Pratt	Room 104 Room 3 Room 38 Spur C
By-Prox Sales	John Crawford	Room 13 Spur A
Camera Club	Henry Rishbeth Paul Dickinson Norman Rees	Room 134 Spur E Room 3 Workshops
Chess	Dr. Bramley Paul Dickinson Brian Marsh	Room 10 Spur A Room 3 Hut 3
Concerts	Veronica Lovell	Room 48 Spur D
Cricket	Eric Dunford Ali Moosajee Graham Thomas	Room 2 Room 121 Room 38 Spur C

Motor and CSMA	Tony Dagnall Ted Golton Martin Bowman	Room 127 Spur E Room 27 Spur B Room 132 Spur E.
Radio Society	Derek Thorpe	Room 38 Spur C
Smith Rose Cup	Mike Farman	Room 121
Tennis	Richard Smith Veronica Lovell Marie Huggins	Room 121 Room 48 Spur D. Computer Reception
Table Tennis	Rodney Knight	Room 22 Spur B.
Theatre Parties	Gordon Bennett	Hut 18

#### Concert Tickets

The Sports Club has for many years held regular outings to the Industrial Concerts given by the London Philharmonic Orchestra at the Royal Albert Hall during the winter months, and it is hoped that these outings will continue.

For two or three years the Sports Club has also purchased books of ticket vouchers for concerts at the Royal Festival Hall. Each voucher entitles the holder to one ticket to attend one out of six or seven possible concerts listed under that voucher (a choice must be given when booking as only a limited number of tickets are available on the voucher scheme for any given concert). A book of vouchers covers a five month season (September-January or February-July). Each voucher costs 7/6d and is exchangeable for a ticket value at least 12/6d i.e. there is a saving of at least 5/- on each ticket.

The major drawback to this scheme at the moment is fluctuating support. Unless I am guaranteed support for the voucher scheme, the Sports Club will not purchase any books of vouchers for next winter.

If one person were to use a complete book of vouchers it would mean attending concerts on average once a fortnight and it seems that R.S.R.S. lacks these dedicated concert-goers. However if two people were to arrange to share a book of vouchers, it would mean attending concerts only half as often. The Sports Club will only order books of vouchers if they are ordered by specific members who are prepared to pay in advance for them.

Further information from and orders for books of vouchers (before the end of July) to Veronica Lovell, D48, extension 30.

Veronica Lovell

Which

The Sports Club has a bulk subscription to 'Which', the magazine of the Consumers' Association, at reduced cost. This is due for renewal after the July issue, and new subscribers will be welcome. The reduction we obtain through this bulk subscription is subject to annual review and depends on our obtaining sufficient members to give C.A. a saving on postage. Our subscription has been 21/- instead of the 30/- charged to the individual subscriber, and will probably remain unchanged.

Motoring Which, published quarterly (21/- instead of 30/-) and Money Which, also published quarterly (21/- instead of 30/-) may also be ordered.

When the subscription is renewed, it will also be possible for members to order other Consumer Publications:

Infertility	10/-
Insurance and the consumer	10/-
The law for consumers	10/-
Arrangements for old age	10/-
Pregnancy month by month	10/-
The legal side of buying a house	10/-
Will and Probate	10/-
What to do when someone dies	10/-
The Law for Motorists	10/-
Buying Secondhand	10/-
Ailments and Remedies	8/-
Consumer's Car Glossary	8/-
The Travelling Consumer	8/-
Radiation, part of life	8/-
Good Food Guide 1969/70	
paperback	22/6
hardback	30/-
Which? guide to Central heating	15/-
Recipes from restaurants in the	
Good Food Guide	15/-
Which? Contraceptive Supplement	10/-
Which? in secondary schools:	
maths and science	30/-
Which? back numbers, bound	
volumes and binders	

Enquiries, orders and subscription renewals to Veronica Lovell, D48, ext. 30 before July 18th.

Veronica Lovell

Cricket Results

20th May v. Burnham GS Staff (away)

R.S.R.S. 58-7 (Hussain 16, Moosagee 23)

Burnham 55-9 (Boulton 23-3, Davies 16-4)

R.S.R.S. won by 3 runs.

10th June Smith-Rose Cup match NORTH v SOUTH:

NORTH 77-10 (Bannister 17, Thomas (G.R.) 24; Dunford 24-3, Evans 4-5)

SOUTH 69-10 (Davies 38, Golton 15; Eccles 22-6)

NORTH won by 8 runs.

19th June v. ACO (home)

R.S.R.S. 81-9 (Martin 31, Davies 15)

A.C.O. 82-4

R.S.R.S. lost by 5 wickets.

24th June v. Windsor Great Park (away)

Details in next newsletter.

26th June v. I.C.I. Jealotts Hill (home)

R.S.R.S. 66-7 (Stewart 27, Adams 16)

I.C.I. 67-2

R.S.R.S. lost by 5 wickets.

2nd July S.R.C. Sports Day

Preliminary round v. London Office:

R.S.R.S. 108-3 (Davies 42, Bramley 34 n.o.)

L.O. 76-8 (Moosagee 14-3, Eccles 14-2)

R.S.R.S. won by 32 runs.

Semi-final v. D.N.P.L:

D.N.P.L. 86-4

R.S.R.S. 73-9 (Boulton 23)

R.S.R.S. lost by 13 runs.

All matches to date have been limited overs affairs, and several close finishes have resulted. In particular, the match at Burnham was very finely balanced until Peter Davies performed the hat trick with the last three balls of the final over. He has also been in good form with the bat, which is just as well since we have now lost two star batsmen in Hussain and Martin (injured). Several players were unavailable for the match against I.C.I. Jealotts Hill, and most of our runs were contributed by two guest players from A.C.O.

In the S.R.C. Sports Day we did considerably better than last year, winning the preliminary match against London Office, but narrowly losing the semi-final

against Daresbury. Davies and Bramley were in excellent form in the first match, and in the second match a fine knock by Boulton gave us a real chance of progressing even further in the competition.

Our fixture list continues to expand, reflecting the increased enthusiasm in the cricket section, and much work is required in preparing our wicket for home matches. It has been noticeable recently that this task has been undertaken by a limited number of people, and we would appreciate some lunchtime assistance from other members of the section.

Graham Thomas

Letter to the Outstations

Dear Colleagues,

You will see from the Editorial apology earlier in the Newsletter, that various factors conspire to make this month's production somewhat more of a rush job than usual. Nonetheless, space and time must be found for me to thank Heather Rix, who has for some time now, been Assistant Editor of this journal. That coherence has emerged from my own, and a few other, contributions has been largely due to her efforts. She has now left R.S.R.S. to embark on a more ambitious production. The technique and programming for this have been well tried, and I am quite sure that her first edition will be a success. All of us who know her wish her well. Such wishes also go to Kathy Reed who has also been kind enough, occasionally, to speed the Newsletter on its way, and has now left to undertake a similar venture.

Considering still the female of the species, the mind boggles at the picture presented by a recent note in State Service. It said 'A neolithic arrow head has been found ..... in the course of an M.P.B.W. excavation under Mrs ----- to discover traces of a medieval town that was once within the Norman Castle .....'. This proper study of womankind serves only to confirm the awe and wonder in which the sex is held by,

Yours sincerely,

The Editor

Reprint List June 1969

- M. P. M. Hall and C. M. Comer Statistics of tropospheric radio-refractive index soundings taken over a 3-year period in the United Kingdom.  
Proc. I.E.E. 1969. 116. 685-690.
- D. M. Willis The influx of charged particles at the magnetic cusps on the boundary of the magnetosphere.  
Planet. Space Sci. 1969. 17. 339-348.
- W. C. Bain Comparison of Russian and British Electron Density distributions derived from the same v.l.f. and l.f. propagation data.  
J.A.T.P. 1969. 31. 755-758.
- G. E. Ashwell and J. A. Lane Simultaneous Lidar and Refractometer Soundings of Layer Structure in the Troposphere.  
Nature 1969. 222. 464-466.

Internal Memoranda

325. GOLTON, E.  
Report on visit to N.D.R.E.
326. MEADOWS, R. W.  
A Colloquium of the Metrology of Large Radio Reflectors.
327. RISHBETH, H. et al.  
Notes on the Nato Advanced Study Institute on "The Production and Maintenance of the Polar Ionosphere" held at Skeikampen, Norway, 9-18 April 1969.