

# INFORMATICS DIVISION NEWSLETTER

No. 4

September 1986

Edited by Gill Dancey

## WELCOME and GOODBYE

On 1st September Rodney Tillotson started work in the operations section of DIC. If by any chance anyone has still not found him, he is residing in R1 G54 ext 6190.

On 8th September Bill Hewitt joined SUS group in DIC. By the time this newsletter is published I hope he can be found in R32 room 3, ext 6499.

Just to prove DIC are not monopolising the newcomers Brian Matthews joined SE group as an RA on 15th Sept. Brian comes to us from Bristol University, he can be found in R1 2.69. ext 6147.

The 1st October sees 3 people joining the division. Dr M Wilson starts in IKBS section as an RA on Expert Systems, he comes from M.R.C.'s Applied Psychology Unit in Cambridge where since gaining his Ph.D he has been working on a project to investigate knowledge acquisition by computer users. His office will be R1 2.72, ext 6619.

Mr J Bicarregui start as an RA in SE section, he can be found in R1 2.60, ext 6481. Also on 1st October Mrs Margaret Prictoe joins me in Divisional Admin as a part-time C.A. she will be taking over from Anne Jaroslawska as Anne has been promoted to SDP working in the operations group of DIC. Margaret used to work for HEP as a scanner. She can be found in R32 room 11B ext 5784.

On 19th September Simon Frost left the division to work in High Wycombe. We wish him good luck and every success in his new job.

## MOVES

Chris Rust has moved from R1 2.59 to R1 G52 ext 6252.

Dave Hicks has moved from R32 room 3 to R1 G55 ext 5740.

## THE SECOND INFORMATICS SOCIAL EVENT

Sunday walkers in sleepy villages in the Wantage area were rudely disturbed on the evening of 14th September by a succession of cars disgorging aliens who darted about and peered at walls, housenames and tombstones, while intoning a strange mantra. The vehicles steered a varied and erratic course through the countryside but miraculously converged on the Bell at Grove by 7.00pm.....

The Great Informatics Treasure Hunt had hit the road.

The event started with a few brave teams waiting in fear and trepidation beside a high pile of gravel in the wilds of Grove, to await the dreadful clues. In the event only 5 teams turned up. One of these, having looked in great detail at the question paper and deciding that it needed a Ph.D in Information Theory to answer, merged with one of the others, so only 4 cars actually took part. It should be noted that the others were not quite so pessimistic - one set of passengers were all teenagers.

The course took the teams around Grove, Wantage, Childrey, Sparsholt and Letcombe. Panic envelopes were provided for those who got really lost, but these were never used. Only two clues were not solved by at least one of the teams, and the final results were very close indeed. While teams were naturally reluctant to discuss their routes, they all went at least 2 miles further than necessary, and, at one stage, one team passed another going in the opposite direction!

All made it safely to the Bell at Grove, although not in the same order in which they started. After carefully looking at the answers provided (some quite fanciful) and accepting all bribe offers, it was decided that the winners by a nose were the amalgamated teams of Bob Day, Ines, Jimmy and Charlie Kwong, with Cliff and his teenage gang second. As far as Eric could tell (he was biased, and he had been in the pub

some time) everyone enjoyed the experience and might be persuaded to do it again next year - what about more entries? (I am taking driving lessons especially - ed.)

Many thanks to Eric Thomas for organising the event, and waiting all that time in the Bell too.

Look in your in-trays for notice of the next event. We will be boogieing on down to the Oxford ice rink on disco night, Wednesday 22nd October.

#### **LOST VIDEO TAPES**

A number of video tapes are missing from the video room in R32. If anyone knows the whereabouts of these please contact Gill Dancey. These tapes are worth a considerable sum, if they are not found their disappearance will be reported to a higher authority.

#### **THE DIVISIONAL ADMIN OFFICE**

There may be uncertainty in the ranks as to the role of the admin office. The following may act as a guide for the uninitiated.

There are three people who work as divisional admin (not including secretaries) Carol Barnes, (from 1st October) Margaret Prictoe and myself. Carol is also secretary to Bob Hopgood so she shares her time between the two jobs. Carol is the person to contact if you have any day-to-day problems or queries, or need guidance to order anything from stores or outside companies. All faults and requests (telephones, furniture, accommodation etc.) should be made through Carol. She also keeps all the admin forms and catalogues, and sends all the nominations for conferences, courses etc. to training section. If Carol is not available then come to me.

Margaret Prictoe will be doing all the things that Anne Jaroslawska, used to do, that is all the running around and xeroxing. she is the person you will most see, dashing around the building.

My main tasks are ensuring everything runs smoothly and in addition I am available anytime to answer any questions you may have, if I don't now the answer I know where I can get the answer. In addition to this I keep group leaders aware of their budgets by telling them how much they have committed and spent, by producing a monthly paper. I also edit the monthly newsletter.

#### **THE CHRISTMAS PARTY**

Only 12 weeks to Christmas.....

This years Christmas party will be held on

**Friday December 12th**  
at  
**Milton Parish Hall**  
from  
**8pm until 1am**  
**(Bar extension until 1am)**  
price 3.50 approx including food

**TICKETS AVAILABLE 3rd NOVEMBER ONWARDS**

from  
**Helen Jenkins and Kevin Lewis**

#### **FREE TICKETS**

I have 4 tickets to the Computer Graphics Exhibition at Wembly from 15 - 17 October. If anyone would like them see me.

# INFORMATICS DIVISION NEWSLETTER

No. 7

January 1987

Edited by Gill Dancey

A Happy New Year to everyone. Isn't it wonderful to be back at work! I hope you are all keeping your New Year Resolutions. I resolved to lose the weight I put on over Christmas. But there was that huge turkey to eat, all the chocolates and nuts lying around, not to mention the Christmas cake..... perhaps next month.

## WELCOME

On 5th January John Kalmus and Mike Parsons joined IKBS/SE Group. Mike comes from the University of Kent after studying for a Ph.D. in Computer Graphics and Functional Languages. John comes from the University of Cambridge where he studied for a Ph.D. in Maths. Both can be found in R32 room 13 ext 5894. Also on 5th January, Cathy Boyle joined us as a part-time typist. She can be found helping Janice Gore in R1 G56 ext 5628.

## CONGRATULATIONS

Congratulations to Mike Jane on his temporary promotion to Grade 6.

## FOUND

Sheila Parker has a grey, sweatshirt-type pullover, large size, which was left over at Atlas after the Christmas Party. If you're a sweatshirt short see Sheila. (Try saying that three times out loud.)

## BREAKING THE CODE - FROM KEN HARTLEY

You may be interested to hear that there is a play on at the Haymarket Theatre in London based on the life of Alan Turing - top flight mathematician/logician, code breaker at Bletchley during WW2 and worked at Manchester on development of their computer in the late 40's, early 50's. It is called Breaking The Code - a pun on cyphers and social conventions (he was openly homosexual) - starring Derek Jacobi (complete with C-C-Claudius stammer). It is a good play, imaginatively produced and very well acted. It is expected to run until March 1987 but not much longer.

## WHO'S GONE WHERE?

Since the last newsletter there have been more moves. Here is a list of the latest.

Mrs J M Cheney	2.67	ext 5702
Mrs F M Childs	SUS Office	ext 6499
W J Hewitt	SUS Office	ext 6713
A M Jackson	G 66	ext 6190
Mrs A S Jaroslawska	G 66	ext 6190
L J Jones-Ng	SUS Office	ext 5739
P Kent	SUS Office	ext 6325
K M Lewis	SUS Office	ext 6713

A B Lowe	G 65	ext 6495
R Parkes	G 54	ext 6394
M D Phillips	SUS Office	ext 5739
Mrs M Prictoe	SUS Office	ext 6499
F M Russell	2.77	ext 6232
Mrs J R Smith	G 54	ext 5787
R Tillotson	G 66	ext 6190
Miss I Vollmer	G 66	ext 6190

Now that the old TAMS workshop (now called the SUS office) is occupied, please DO NOT use it as a short cut from LAB 11 to R32.

#### CHANGES TO PHONE EXTENSIONS

Due to moves the following extensions have changed.

Miss J C Malone/D J Johnson ext 5230  
A P McDermott ext 5891

#### DATES FOR YOUR DIARY

BCS Computer Graphics and Displays Group Meeting:

Displays to Meet the Future Needs of the Computer Industry  
Joint Meeting with SID UK  
at IBM UK Laboratories Ltd, Hursley  
on Wednesday 25 February 1987  
(Advanced registration required)

DECUS Conference and Training Seminars 1987:

University of York  
Conference 23-26 March  
Seminars 27 March  
Booklet Available from Gill Dancey

#### AND FINALLY....

- Q. How many IBM cpu's does it take to do a logical right shift?  
A. 33. 1 to hold the bits and 32 to push the register.



# INFORMATICS DIVISION NEWSLETTER

No. 8

February 1987

Edited by Gill Dancey

## FAREWELL and WELCOME

Farewell to Ian Harding and Miguel Bertran-Salvens who left the division this month.

Au revoir to Rob Witty who leaves on 4 April for a year on sabbatical in the U.S.A. Please don't come back with a crew cut, like a certain member of the division did.

Welcome to Mario Martins, who is visiting S.E. section from the University of Minho, Portugal.

On 1st April Andrew Davis will join ECF group, working under Mike Clarinbold on Prime and GEC support. Also on 1st April Dr Stuart Robinson will visit us part-time from Brunel University. He will be in S.E. section and will be doing work in the field of Transputers. When he is here he will share office G63 and ext 5101 with Chris Wadsworth. On 3rd April we will be host for three weeks to three ASO trainees. They will be accommodated in R32 room 4.

## WADE SHAW

It is possible that Wade will be visiting the lab on 2nd and 3rd April. Wade used to work at RAL on graphics, in the days of the SD4020, SMOG, SPROGS, GROATS and PIGS. Bob Hoppood was thinking of taking Wade to Lamberts restaurant in Abingdon for dinner on the evening of 2nd April. If you know Wade, and would like to reminis over a good dinner, contact Bob.

## DATES FOR CONFERENCES, CALLS FOR PAPERS, EXHIBITIONS, ETC

- |             |  |
|-------------|--|
| March 12    | Manufacturing Automated Protocol, London               |
| March 16-17 | Desktop Publishing, London                             |
| March 18    | 3D Hardware, London                                    |
| March 19    | OOPS, Object-Oriented Programming in Action, London    |
| March 19    | Manufacturing Automated Protocol, Utrecht              |
| March 24-26 | CADCAM Exhibition and Conference, Birmingham           |
| March 27    | Manufacturing Automated Protocol, Manchester           |
| April 6-10  | AISB '87 Conference, Edinburgh                         |
| April 13-15 | E.G. UK Conference, Norwich                            |
| April 14    | B.C.S. Displays Group, Computer Vision, Univ E. Anglia |

April 22-24	Intelligent CAD Systems, Noordwijkerhout
April 27-30	Audio Visual, Wembly
May 8-10	Call for papers, International Conference on Artificial Intelligence and Education, University of Pittsburgh
May 20	B.C.S. AGM, and Parallel Processing for Displays, London
June 2-4	International Expert Systems, Conference and Exhibition, London
June 23-25	K.B.S. '87 Conference and Exhibition, London
June 23-25	Software Tools, London
July 4-17	Theoretical Foundations of Computer Graphics and CAD, Tuscany
July 27-31	A.C.M. Siggraph '87, California
Aug	Call for Contributions, Higher Level Tools for Window Managers, Amsterdam
Sept 1-4	Interact '87 IFIP Conference on Human Computer Interaction, Univ of Stuttgart
Oct 5-7	IFIP, Call for Papers, Amsterdam

# INFORMATICS DIVISION NEWSLETTER

No. 9

April 1987

Edited by Gill Dancey

## FAREWELL and WELCOME

The start of April saw an influx of new people to the Division. As I mentioned in my last newsletter, Stuart Robinson and Andy Davis joined SE Section and ECF Group. Starting on the same day as Stuart and Andy were two other new Division members; Mrs Rajka Popovic joined ECF Group to work with Chris Wadsworth on the Transputer project and Paul Jeffery joined Infrastructure Group to work with Peter Hemmings on Management Support.

The three ASO Trainees expected on 3 April turned out to be four. Colin Galbraith, Duncan Green, Peter Greenhalgh and Chris Oakey are visiting the Division until 24 April and are accommodated in R32.

On 13 April Paul Sausman and Barry Edwards join us as Sandwich Students, they will be here until 2 October, working with Mike Claringbold in ECF Group. They too will be accommodated in R32. Welcome to everyone.

Just one farewell for this month, Stanley Ooi leaves us for pastures new. Goodbye and Good Luck Stanley.

## TEN PIN BOWLING

Are there any enthusiastic ten-pin bowlers in the Division? I would like to enter a team of four in the Civil Service Sports Council competition at Wokingham on 17 May. Closing date for entry 1 May.

Mike Claringbold.

## MIQUEL BERTRAN-SLAVENS

Miquel Bertran-Salvans returned to Spain at the end of March. I visited his group last week and he asked me to pass on his best wishes to everyone in the Division and his thanks for a very pleasant and useful stay in the UK.

He was longing to be back at RAL when I saw him. His department has office space problems too, though they are much worse than ours. His office is tiny, but when he returned he found it occupied by two other people; so now he has no desk, no office, no in-tray, no key ....

His department has a temporary building just like R32; only difference is that their's has been painted pink and some enterprising student artists have painted trees and flowers on it to make it blend in better with the local landscape!

David Duce.

*(Eds. note, artistic volunteers report to me with paint and brushes)*

Happy Easter Everyone!

# INFORMATICS DIVISION NEWSLETTER

No. 10

May 1987

Edited by Gill Dancey

## WELCOME and FAREWELL

Linda Reed joined the division at the end of April. She is working with Geoff Lambert and Fran Childs in ECF section. She is currently in R32 room 4 ext. 5899. On 18 May Sheila Davidson joined IKBS section, helping out on the admin side in a part time capacity working for Martin Dunn. Previously she was working directly for Alvey and spent part of her time here and part at Millbank. It is hoped that Millbank visits will now be a rarity.

Commiserations to Helen Jenkins who had her spine operation put back 6 weeks at the very last moment, due to the incompetent Health Service.

Farewell to Mikeal Hedlund, who leaves on 30 June for wedded bliss and a job back in Sweden. I am sure we wish him very good luck for the future. Perhaps Mikeal will visit us next year, when his job will bring him back to London to do some joint research with Marconi.

## INFORMATICS XEROX

Informatics Division is shortly to get its very own Xerox. It will be sited in the Lab 10 printer area. Since it is for our use only, interlopers should be told to use other photocopiers in the building.

## INTERIM FACILITY FOR TRANSPUTER APPLICATIONS (IFTA)

Within the next month, part of R32 is being taken over by IFTA. They will be installing a Meiko Computing Surface, Inmos Multi-Transputer System and PC based basic S/W systems. There is also an office set aside as a work area for visitors. All this will be overseen by Chris Wadsworth.

## R1 FIRST FLOOR KITCHEN REFRIGERATOR

The refrigerator on the first floor of R1 link is due to be replaced. As this may happen at quite short notice, it is advisable not to leave anything in there over weekends. The new refrigerator will be for the use of HEP and Informatics Divisions.

## IDUS Notes

Ken Hartley writes:

As foreshadowed in my talk on the ID Unix Service at the recent Divisional Meeting, the first three IDUS Notes are being sent out to all members of the Division. In order to do our bit in preserving the world's forests, I would like all future Notes to be sent only to those who want them. Therefore, if Rita Hollington does not receive the tear-off slip (or equivalent) with your name on it you will not get any more issues. You have been warned.



# INFORMATICS DIVISION NEWSLETTER

No. 11

June 1987

Edited by Gill Dancey

## WELCOME and FAREWELL

Mr T P Mawby joined IKBS/SE Group on 15 June, he will be working for Mike Russell. Mr Mawby is currently in R32 room 2 ext 5893. On 22 June, Nichola Kennett joined ECF's Support Section working for Mike Claringbold, Nichola is in R32 room 4 ext 5899. 29 June saw Mr Chow join ECF's SUS Group working under Julian Gallop, he is in R1 B13 ext 5899.

Welcome to the Computing Applications Group, who move from Technology Division to Informatics Division on 1 July.

Welcome to Jackie Smith who will be working as secretary to IKBS Section while Helen is away.

Farewell to Cliff Pavelin, who after many years working with us is leaving to work for our dear departed ex-director. (*Someone had better tell Geoff to stock up on the biscuits.*) Good Luck for the future Cliff.

## HELEN'S OP

The latest on Helen Jenkins is that the op went well. Helen has to lie on her back and is not allowed to sit up. Visitors are encouraged up to 8.30pm. She is in the Sturgess Ward of the Nuffield Orthopaedic Hospital.

## INFORMATICS INFORMATION FOLDER

The Division has put together a folder of information on its work. It contains a short overview of RAL and information on each Group. It is written in a form that makes it suitable to use as hand-outs for visitors, recruitment, etc. Copies can be obtained from the DAO.

# informatics

## INFORMATICS DEPARTMENT NEWSLETTER

No. 13

February 1989

Edited by  
Carol Barnes

### Introduction

Since the last Newsletter in October 1987 there have been quite a few changes within the Department, including a complete structural reorganisation, and this particular Newsletter is intended to bring you up-to-date on who has joined us and who has left since that time.

### Welcomes

In Oct 87, Brian Henderson transferred in from A&G Division, and in May 88, Alan Middleton joined us from Technology Dept.

Kay Besly filled the Typist vacancy in Design Division last May, following a lengthy period as a 'Temp'.

In October, Mike Spivey, an Atlas Research Fellow, joined Systems Engineering Division, Software Engineering Group, and Helen Chappel joined SED's Knowledge Engineering Group.

Manjit Boparai joined Computational Modelling Division in January to work with Alan Bryden on Computational Fluid Dynamics. Manjit is in R1 G.52 on ext 5867.

Karen Holloway transferred from Technology Dept to work in the Comms/UNIX Section in Distributed Computing Services Division. Karen is in R1 G.51 on ext 5740.

On 1 April, Dr Stuart Robinson will be taking up a Grade 7 appointment as Head of Software Engineering Group in Systems Engineering Division. At the same time, Dr Chris Reade will take up the Joint RAL/Brunel Appointment vacated by Stuart.

Farewells

The following people resigned during the period:

Brian Alston	Martin Loach
Brian Bainbridge	Jan Malone
Ian Collins	Graham Megson
Tony Cox	Mike Parsons
Jeremy Dick	Tarang Patel
Chris Emson	Maria Petrou
Ian Gunn	Paul Phillips
Dave Hicks	Pete Randall
Chris Hunt	Chris Rust
Jeremy Isserlis	Kevin Tarling
Mike Jackman	Tony Williams
Paul Jeffery	Mike Woods
Lynton Jones-Ng	
Mei Joseph	

In addition, Mark Roberts will be leaving us on 24 February and Chris Crampton on 7 April.

And the following have transferred to other Depts, many as a consequence of the run-down of Alvey activities necessitated by the imminent ending of the programme:

Jacqui Perkins	- from DCSD to Swindon Office
Tony Lowe	- " " " " " "
Andy Jackson	- " " " " " "
Fran Childs	- " " " " " "
Martin Dunn	- from Alvey Unit to Admin Dept
Jill Cheney	- " " " to Central Computing Dept
Diane Parsons	- " " " to Space Science Dept
Kate Crennell	- " " " to Science Dept

Farewell also to Danny Smith who returned to Australia after spending a year with us as a short term RA, and Graham Freeman who returned to CSIRO in Australia after spending six months here on an exchange visit. In December, Dale Sutcliffe left for Australia to spend a year at CSIRO.

Congratulations

Congratulations to Brian Ritchie who received a PhD from the University of Edinburgh with his thesis entitled "The Design and Implementation of an Interactive Proof Editor", and to Brian Matthews who received an MSc in Foundations of Advanced Information Technology from Imperial College, London. Congratulations also to Martin Carter who recently obtained a PhD in Theoretical Physics, and to Janet Haswell for obtaining a Post Graduate Diploma in Computer Graphics.

### Building Noise

I apologise for the drilling and banging taking place at present. As most of you are probably aware, there are 9 offices on the First Floor Link corridor, previously occupied by HEP staff, which are undergoing refurbishment before they can be occupied by Informatics. The work includes soundproofing the offices to bring them to the same standard as the rest of the Link offices, and the provision of adequate electrical and data cabling to all the offices, necessitating the suspension of the corridor ceiling. The work is expected to last until mid April.

### Office Moves - Update

It is hoped that all of the planned office moves, will take place during March and April. The moves are dependent on the release of the refurbished First Floor Link offices, approximately one per week from 27 Feb onwards, in the order: 1.62 1.59 1.58 1.68 1.69 1.70 1.71 1.72 1.57. I will be liaising with people directly concerning dates, office requirements etc.

### Library

K F Hartley is the official Informatics Dept library representative. Therefore, if you have any gripes, problems or constructive suggestions about the library can you let him know, particularly if you fail to make any progress getting them resolved with the library staff.

You may also like to know that each Department now has an up-to-date list of all the journals which the library keeps. Copies will normally be found with the Divisional secretaries.

### Future Newsletters

If anyone wishes to include items in future Newsletters, please send them to the Editor, Carol Barnes.

Dr J V Ashby	R1	1.66	Mr J R Kalmus	R1	2.72
Mrs P D Athawes	R31	G.68	Mr P Kent	R1	G.64
Dr E M Azoff	R1	1.61	Mrs R M Kidd	R1	G.49
Mr C Balderson	R1	G.61	Mr C Y L Kwong	R1	2.57
Mr D S Barlow	R1	B.13	Mr G A Lambert	R1	2.78
Mrs C Barnes	R1	2.71	Mr S C Lambert	R1	2.57
Mrs K Besly	R1	G.56	Mr K M Lewis	R1	B.14
Mr J C Bicarregui	R1	2.63	Mr S Lillystone	R32	7
Miss M K Boparai	R1	G.52	Mr A J Lucas	R1	<del>B.13</del> 9.52
Mr J Boulton	R32	7	Mr D F Mac Randal	R1	2.74
Dr A D Bryden	R1	2.65	Mr M M Martin	R1	2.74
Mr N B M Calton	R1	G.51	Mr B M Matthews	R1	2.63
Dr M K Carter	R68	2.08	Mr T P Mawby	R1	G.54
Mr S K Chanda	R1	G.53	Dr R Maybury	R68	2.09
Miss H R Chappel	R1	2.72	Mr A P McDermott	R1	G.50
<del>Mrs F M Childs</del>	<del>R1</del>	<del>B.13</del>	Mr M Mead	R1	1.65
Mr C Chow	R1	B.13	Mr A J Middleton	R1	G.63
Mr M E Claringbold	R1	G.62	Mr R Parkes	R1	G.54
Mr C J Collie	R1	1.60	Mrs P A Peisley	R1	2.64
Mr B F Colyer	R1	G.55	Mr M D Phillips	R1	B.13
Dr F P Comellas	R1	2.58	Mr P L Popovic	R1	G.53
Mr A Conway	R1	1.73	Mrs R Popovic	R1	1.63
Mr C M Crampton	R1	2.76	Mr M J Prime	R1	G.53
Mr K G Dancey	R1	2.76	Mrs L J Reed	R1	G.66
Miss S Davidson	R68	2.09	Dr G A Ringland	R1	2.79
Mrs S G Davidson	R25	2.22	Dr B Ritchie	R1	2.63
Mr A C Davis	R1	1.64	<del>Mr M H Roberts</del>	<del>R1</del>	<del>G.51</del>
Dr R A Day	R1	2.73	Dr K Robinson	R1	G.58
Mr N J Diserens	R1	2.66	Dr S K Robinson	R1	2.70
Dr D A Duce	R1	2.68	Dr F M Russell	R25	2.34
Mr K P Duffey	R1	1.65	Mrs J R Smith	R1	G.54
Dr R J Fawcett	R1	1.60	Mr J W T Smith	R25	2.30
Dr R F Fowler	R1	1.60	Dr J M Spivey	R1	2.58
Dr J E Galletly	R1	2.58	Mrs D Thomas	R1	G.59
Mr J R Gallop	R1	2.69	Mr R E Thomas	R1	2.84
Mrs J M Gore	R1	G.56	Mr R Tillotson	R1	G.66
Mr C A A Goswell	R1	2.76	Mrs L E Valentine	R1	2.62
Dr C Greenough	R1	2.67	Mr J Van Maanen	R1	G.60
Mr D Gunasekera	R1	1.61	Miss I Vollmer	R1	G.66
Dr E R Hancock	R68	2.09	Dr C P Wadsworth	R1	2.70
Mr C S Harrold	R1	G.52	Mrs N J Watkins	R1	G.50
Dr K F Hartley	R1	2.82	Miss T A Watson	R1	G.49
Miss J Haswell	R1	1.63	Dr M D Wilson	R1	2.77
Mr B W Henderson	R1	G.65	Dr R W Witty	R1	2.61
Mr P J Hemmings	R1	2.80	Dr J C P Woodcock	R1	2.58
Mr W J Hewitt	R1	B.13	Miss L N Woodhead	R1	2.57
Mrs R A Hollington	R1	2.59	Dr H K F Yeung	R1	1.67
Miss K Holloway	R1	G.51			
Prof F R A Hopgood	R1	2.60			
Dr A D Irving	R32	13			
Dr M R Jane	R1	G.57			
Mrs A S Jaroslawska	R1	G.66			
Miss H V Jenkins	R1	2.83			
Mr I J Johnson	R1	G.50			
Mr D J Johnston	R1	1.63			