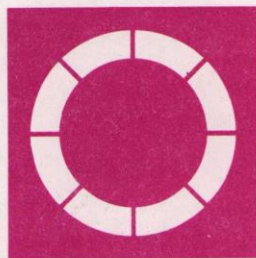


No 25/71
5 July 71



Rutherford Laboratory Bulletin

General News

THE CALL OF THE WEST

Mrs E W Smith left the chalk downs of Berkshire for the red soil of Devonshire on Wednesday 30 June when she retired from the Rutherford Laboratory.

Elsie joined the Laboratory in January 1961 and for the next 5 years worked for Professor Allen on the Oxford Electrostatic Generator Project. She was based at AERE and Oxford and returned to the Rutherford Laboratory in January 1966 to become the Local Administration Officer for Building R1 and Secretary to the Restaurant Committee, later also as Secretary to the Fire and Grounds Committees. For the last 18 months she has been the Divisional Administration Officer for the Computer and Automation Division whilst still retaining the position of Secretary to both Fire and Restaurant Committees. The day after she retired Elsie and her husband left for their future home in Little Torrington, about 8 miles from Bideford, North Devon.

The Laboratory took its farewell of Elsie on Friday 25 June when Dr Valentine presented her with a portable radio set on behalf of her many friends and colleagues. Dr Valentine remarked that there could be no doubting Elsie's versatility and she looked so well even after so many years in the unenviable job of Secretary to the Restaurant Committee. We wish Elsie and her husband a long and happy retirement.



FILM NOTICE

It is Period 7. Colour Strip - GREEN for $\beta\gamma$ and fast neutron packs. Please check that you are wearing the correct films and that all old ones are returned.

CANCELLATION

The Nimrod Users meeting arranged for Monday 12 July 1971 has been cancelled.

OVERSEAS VISITS

Mr G H Adamson to Fontainebleau, France, 4-5 July, to attend meeting of S.E.A.S. - O.S. Committee.

Dr A Love to Grenoble, France, 4 July - 28 August, to attend Les Houches Summer School.

Dr J Garvey to C.E.R.N., 5 - 7 July to attend Omega Meeting.

Dr E S Groves and Dr G G Ross to Erice-Trapani, Sicily 8 - 26 July, to attend Erice-International School of Subnuclear Physics

Machine Schedules

NIMROD Cycle 8 (29-6-71 - 20-7-71)

Machine Physics : High Energy Physics (X3/ π 9, X2/K13C, X2/K12A, K10S and P71)

Full details of Cycle 8 were given in Bulletin No 24/71

Internal Events

Wed., 7 July 11 am. Conf.Rm.R1	H E P Disc Group	Dr R Brown (RHEL)	Amsterdam Conference Report.
Wed 7 July 11 am. Lecture Theatre	Nuclear Physics Seminar	Prof G W Greenlees (Univ.of Minnesota and Birmingham).	Recent work on the Nuclear Optical Model
Fri., 9 July 11 am. R12 Conf.Rm.	Seminars in Computing	B H Bracker	The On-Line Rough Digitising System.
Fri., 16 July 11 am. R12 Conf .Rm.	Seminars on Computing	T Daniels (DNPL)	On-Line Computing and Interactive Graphics at DNPL.

External Events

EVENT AT AERE

Tues., 13 July 11 am. Large Conf.Rm.B521	Materials Physics Division Lecture	Dr W C Koehler (Oak Ridge Nat Lab)	Rare earth metals and alloys.
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Social News

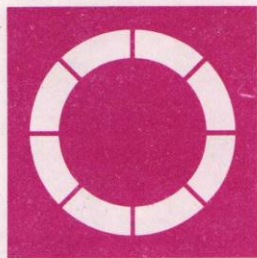
CRISTIAN FELLOWSHIP

All are welcome to come along to the meeting in R12 Conference Room at 1230 pm 9 July.

Rutherford Laboratory
2-7-71

F Harden Ext 6114
Scientific Admin Group
Building R20

No 26/71
12 Jul 71



Rutherford Laboratory Bulletin

General News

RUTHERFORD LABORATORY LECTURE - The next in this series "The Evidence for Gravitational Radiation" will be given by Professor W D Allen of the Rutherford Laboratory at 3.15 pm Thursday 15 July in the Rutherford Laboratory Lecture Theatre. The theme of the talk is based on a report by Joseph Weber, of the University of Maryland, USA, about some striking experiments which suggest that pulses of gravitational radiation are coming from the galactic centre. These experiments will be described, together with a discussion of the problems of interpretation and of the relevant confirmatory experiments.

OXFAM INDIA/PAKISTAN REFUGEE RELIEF FUND - The organisers of the recent collection wish to thank all contributors. The sum raised was £45.90.

MISSING EQUIPMENT - The following items of equipment have been reported missing - Tektronix Oscilloscope Type 585 Serial No 003617. Portable Air Blower - AERE No 21192. Anyone with information of the present whereabouts of these items is asked to contact D B Webb Extn 6263.

TRAFFIC CONTROL ON FERMI AVENUE - On Monday 12 July 1971 the Rutherford Laboratory Security Wardens will exercise the same control over traffic along Fermi Avenue during the inmuster period as is now done during outmuster. The experiment, which is being tried in an attempt to avoid the dangers of incidents to pedestrians crossing Fermi Avenue at inmuster will last for 6 weeks. The working of the scheme will be reviewed at the end of that time.

FILM NOTICE - Period 8 commences on Monday 12 July. Colour Strip BLUE for 8y films and fast neutron packs. Please check you are wearing the correct dosimeters and old ones returned. Six monthly TLD change for surnames commencing C, D, E, F.

VISITORS - 30 pupils and staff from Didcot Girls Grammar School will visit the Laboratory pm Tuesday 13 July 1971. About 36 ATC Cadets will visit the Laboratory pm Sunday 18 July 1971.

OVERSEAS VISITS - Dr I Butterworth to CERN 11-14 July to attend a meeting of the 300 GeV Working Party Executive Committee. Messrs N M King, G H Rees to Karlsruhe 11-13 July to attend GESSS/RD Meeting. Dr D P. Roy to Erice, Italy 11-27 July to attend the International School of Subnuclear Physics. Mr J A Fox to CERN 11-28 July for discussions with 300 GeV Staff. Messrs L Phillips, L Coulter, P O'Brien, J Bucknall to CERN - 11-19 July - for installation of equipment for Ruthmuon experiment on ISR. Messrs J E Ellis, M T Glover to CERN 16 July to 4 August for RHEL/Cambridge Hydrogen experiment in the 2M Bubble Chamber.

Machine Schedules

NIMROD Cycle 8 (29 6 71 - 20 7 71)

Machine Physics: High Energy Physics (X3/ π 9, X2/K13C, X2/K12A, K10s and P71)

Full details of Cycle 8 were given in Bulletin No 24/71.

Internal Events

Fri 9 Jul 1130 am Lecture Theatre	Special Nimrod Seminar	H Lipkin (Weizmann Inst.)	Predictions from Quark Theory
Mon 12 Jul 1130 am Lecture Theatre	Nimrod Lecture Series	D R O Morrison (CERN)	Review of Strong Interactions at High Energy (I)
Tues 13 Jul 1130 am Lecture Theatre	"	"	" " " " " (II)
Wed 14 Jul 1130 am Lecture Theatre	"	"	" " " " " (III)
Wed 14 Jul 2.30 pm Conf Rm R1	HEP Discussion Group	Dr R Brown and Dr D Morgan (RHEL)	Amsterdam Conference Report
Thurs 15 Jul 1130 am Lecture Theatre	Special Nimrod Seminar	N Kruse (Illinois)	'Defractively Produced Mesons'
Thurs 15 Jul 3.15 pm Lecture Theatre	Rutherford Lab Lecture	Prof W D Allen (RHEL)	'Evidence of Gravitational Radiation' (See General News)

Fri 16 Jul 1100 am
R12 Conf Rm

Seminar in
Computing

T Daniels
DNPL

On-Line Computing and Interactive Graphics at
DNPL

At DNPL facilities are offered to enable experimental groups to gather data directly into the 360/65 and for the program to communicate back to the experimental area in real time. A system is also being developed which will enable the experimental groups to have interactive graphics terminals in their local control rooms. This talk will concentrate on these two aspects of on-line working at DNPL.

The next meeting of this series will take place in September 1971.

External Events

Tues 13 Jul 1130 am
"Coffee Room"
12 Parks Road Oxford

High Energy
Theory Seminar

Dr P H Frampton
(CERN)

'Why is p Photoproduction Suppressed'

Social News

SRC SPORTS DAY - 30 JUNE 1971 - 144 Staff from Rutherford and Atlas Laboratories attended. The activities included Football, Cricket, Tennis, Bowls, Netball and Chess.

Of the 12 teams in the football competition Rutherford provided 3 and Atlas 2. 63 Six-a-Side matches were played and at the end of the day Rutherford 'C' (last year's winners) retained the Cup by beating Edinburgh Observatory 4-1 in the final. The scorers were Bissell (2) Shand (1) and Taylor (1). Congratulations to 'C' team for a superb performance.

CRICKET - In this competition 6 teams took part.

First round - RSRS beat Atlas

Rutherford beat London Office (Rutherford 143-5
LO 83 with S Hancock 4 for 14 and M Watson 3 for 26)

Semi-Finals - RGO beat DNPL (The present holders)
Rutherford beat RSRS by 9 wickets

Final - Rutherford beat RGO by 7 runs - certainly a fine performance by the Rutherford team.

BOWLS - (holders RGO)

The Pairs Cup was won by the Rutherford pair Cyril Richardson and Roy Price by 4 shots from the DNPL pair. The Team Shield was won by the Rutherford team, Bill Rouse, Dicky Blunt, Eddie Gray and Ron Hogan. 30 Bowlers took part in both competitions.

TENNIS - The mixed doubles team Pam Rose and Tony Stevens and the two men's doubles team, Ray Butt, Bill Turner and Harry Hurst, Jim Petts, played well without success.

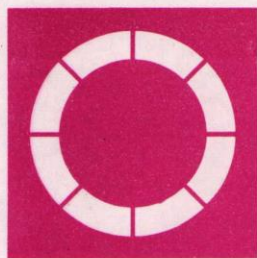
CHESS - Won for RSRS by Dr Bramlist, the Bucks County Champion with 7 points from 7 games. Our only player Mick James had a 50% score from his games.

NETBALL - Atlas Girls won all their games.

Grateful thanks to Bill Butler (St. Johns) for the First Aid cover during the day.

CHRISTIAN FELLOWSHIP - All are welcome to come along to the meeting at 1230 pm Friday 16 July 1971 in the R12 Conference Room.

No 27/71
19 Jul 71



Rutherford Laboratory Bulletin

General News

BERMUDA BOUND

Roy Evans left on Tuesday to take up an appointment as Chief Engineer at a hospital in Bermuda. After 22 years in the Royal Navy, Roy joined the Laboratory some 10 years ago and has been around the Nimrod area ever since, first on the injector, then on the main machine and latterly in charge of the Nimrod Mechanical Workshop. The photograph (right) shows Roy receiving from Mr Venn a parting gift contributed from his friends and colleagues.

'Bon Voyage' Roy, and Good Luck in your new post.



JACK-OF-ALL-TRADES

On Wednesday 14 June Jack George retired after 6 years at the Laboratory following 28 years employment on the railways. During the past 3 years he has been driver-cum-general help in the HEP Division. Dr Manning presented Jack with a transistor radio, a parting gift from his friends and colleagues, remarking that Jack was very well known to all members of the HEP teams, giving a hand wherever needed with never a moan. We wish Jack a long and happy retirement.

ALEXANDRA ROSE DAY A letter has been received from Mrs Hilda Salmon the site organiser for the Alexandra Rose Day expressing her gratitude for the magnificent effort made by the collectors and contributors for this Charity. The total collection was £136.69p. (SRC, MRC Culham and Harwell) and the SRC contribution rose from £16 last year to £22.26 which is a truly great effort.

CONGRATULATIONS Dr I S Hughes, Reader in Natural Philosophy, Glasgow University appointed Titular Professor from 1 October.

Dr P V Martin, Westfield College appointed Professor of Physics from 1 October.

Special promotions on individual merit with effect from 1 July

Dr B E J Pagel (RGO) to Deputy Chief Scientific Officer
Dr A H Gabriel (ARU) to Senior Principal Scientific Officer
Mr N M King (RHEL) to Senior Principal Scientific Officer
Dr P F Smith (RHEL) to Senior Principal Scientific Officer

NUCLEAR PHYSICS LABORATORY OXFORD On Tuesday 20 July, Sir Brian Flowers will perform the opening ceremony of the Nuclear Physics Laboratory, Keble Road, Oxford. On Wednesday 21 July between 10 am and 1 pm there is an informal open day to which members of the staff of the Rutherford Laboratory are invited.

BUS SERVICE NO 112 The timetable for the Oxford - Newbury Bus Service No 112 has been amended as follows -
Weekdays First bus from Oxford - 0720, from Newbury - 0735. Thereafter buses leave both towns every two hours from 0830 to 1830. Also, Oxford to Newbury at 2210 and Newbury to Oxford at 2230.
Sundays Buses leave Oxford at 1430, 1830 and 2215
 Buses leave Newbury at 1230, 1630 and 2030.

FILM NOTICE It is Period 8. Colour Strip - BLUE for $\beta\gamma$ and fast neutron packs. Please check that you are wearing the correct dosimeters and that all old ones are returned.

VISITS TO AERE LIBRARY Persons not holding AERE passes who wish to visit the AERE library are reminded that 24 hours notice of intended visit must be given to the RHEL Librarian, Mrs E Marsh, Extn 6668 (See RLC 26/70). This advance notification is necessitated by the AERE administrative procedures connected with arranging casual visits.

VISITORS About 36 Air Training Corps Cadets from Abingdon will visit the Laboratory on Sunday 18 July.

Machine Schedules

NIMROD Cycle 9 (20 7 71 - 8 8 71)
 Machine Physics
 High Energy Physics

Team	Beam	Experiment	
Westfield Coll/RHEL	π^8	Measurement of Asymmetry in η Decay	Data
Bristol U/Soton U/RHEL	K15	K^+p and π^+p Differential Cross-Sections	Data
RHEL	π^{11}	Irradiation Experiments	Data
Glasgow U/RHEL	π^9	Polarisation Measurements in π^-p Charge Exchange Reactions	Setting up
Surrey U/B'ham U/RHEL	π^{10}	Total Reaction Cross-Sections for Pions on Nuclei	Data
RHEL	P71	Tests of New Detector Plastics	Data
Cambridge U/RHEL	K13C	Associated Production Measurements	Setting up

Internal Events

Wed 21 Jul 11 am Conf Rm RI	HEP Disc Group	Dr A A Brandstetter (RHEL)	Partial Wave Analysis of $K^-p \rightarrow \Lambda$ at 1915-2168 MeV (1n CM)
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Wed 21 Jul 10 am - 4 pm Conf Rm, RI2, Exhibition and Demonstration by Wang Electronics, who will present their new ranges of machines known as the 100 and 500 series. Also on show will be an alpha-numeric Output Writer, an X-Y Plotter and a Paper Tape Reader for their 700 series machine. Further details from the Editor.

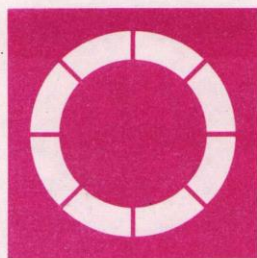
Thurs 22 Jul 2 pm Conf Rm RI	Special HEP Lecture	Dr F Halzen (CERN)	πN Polarisation and High Energy Amplitudes
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Mon 26 Jul 1130 am Lecture Theatre	Nimrod Lecture Theatre	Dr C Michael (CERN)	Two Body Scattering at High Energies
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Social News

CHRISTIAN FELLOWSHIP Friday 23 July 1230 pm RI2 Conference Room. All welcome to come along to the meeting.

No 28/71
26 Jul 71



Rutherford Laboratory Bulletin

General News

BULLETIN NOTICE Starting with this issue the Bulletin will be published at fortnightly intervals until early September.

LETTER OF THANKS A letter has been received from Elsie Smith asking for the following extract to be published:-
"As I was unable to see everyone before leaving on 30 June I would like to apologise to those I missed and to thank you all for the radio which will continue to remind me of all my friends at the Rutherford Laboratory. Once again, thank you all for ten happy years."

CONGRATULATIONS Dr C J Batty has recently been awarded a D.Sc by the University of Birmingham for work largely carried out on the PLA.

IN THE SWIM Mrs T (Terry) Batchellier would like to thank all those people who sponsored her swim in aid of Cancer Research. Terry, who is taking advanced swimming lessons, completed the full 25 lengths and in so doing collected the very handsome sum of £20.25p. We should like to congratulate her on a fine effort.

FILM NOTICE It is Period 8. Colour Strip - BLUE for 8y films and fast neutron packs. Next film change, Monday 9 August.

COMPUTER ANIMATION SYMPOSIUM The Atlas Computer Laboratory is organising a symposium on computer animation to be held in the Lecture Theatre at the Rutherford Laboratory on Friday 30 July. Please note that the symposium is fully subscribed.

QUEST The July issue of Quest has now been distributed. Please note that the Exhibition of Unlikely photography (see page 13) has been postponed. Any comments on the current issue should be made to the local correspondent, H F Norris, before 2 August.

FOUND A sum of money has been found and handed in to the Personnel Group. Enquiries should be made to Mr D Williams Extn 495.

OVERSEAS VISITS Dr N E Booth to the USA, 25-28 July to attend collaboration meeting and to discuss design and layout of hodescopes at Harvard University and NAL.

Dr H E Fisk, to CERN 26-30 July for consultation on ISR etc.

Mr M J Hotchkiss to CERN 26-31 July for discussions.

Dr G Manning to CERN 26 July - 27 August for ISR experiment.

Messrs H O Normington, M Randle, D Woodhouse and S Ballard to CERN 23 July and 1 August - 17 August, for installation work on Muon experiment.

Dr G P Gopal to the International Centre for Theoretical Physics, Trieste 1-21 August to attend Seminar Course.

Dr C M Fisher to CERN 1-29 August to attend Summer Study of Physics Programme for BEBC.

The following will visit CERN on the dates shown to work on the Omega project - Dr M R Jane, 4 Aug - 6 Sept,

Dr D P Owen 16 Aug - 10 Sept, Dr J Garvey 1 Aug - 29 Aug, Dr N M Lipman 31 July - 1 Sept.

Machine Schedules

NIMROD Cycle 9 (20 7 71 - 8 8 71)

Machine Physics: High Energy Physics (π 8, K15, π 11, π 9, π 10, P71 and K13C)

Full details of Cycle 9 were given in Bulletin No 27/71

Internal Events

Mon 26 Jul 11.30 am
Lecture Theatre

Nimrod Lecture
Series

Dr C Michael
(CERN)

Two Body Scattering at High Energies

Wed 28 Jul 11 am
Conf Rm RI

HEP Disc Grp

Dr G Opat
(RHEL)

Anti-proton Interactions in Deuterium at Low Energy

Thurs 29 Jul 2.30 pm
Conf Rm RI

Special Lecture

Prof J H Schwarz
(Princeton U.)

Quark Model of Dual Hadrons

Wed 4 Aug 11 am
Conf Rm RI

HEP Disc Grp

Lecture to be arranged.

Social News

CHRISTIAN FELLOWSHIP All welcome to come along to meetings on Fri 30 July and Fri 6 August both at 1230 pm
Conference Room R12

TAILPIECE One can only assume that the following address could only have been taken from a telephone call on a very bad line:-

Rutherford Hire Eng, Comp Dept 360, averydon, Pillcot, Berks

Rutherford Laboratory
23 7 71
dg

H F NORRIS Extn 484
Scientific Admin Group
Building R20

STOP PRESS

TRAINING CONCESSIONS 1971-1972

Employees of the Rutherford and Atlas Laboratories may now apply for training concessions for courses at local Technical Colleges and application forms for this purpose are available from Local Admin Offices and from the Training Section, Building R20. College prospectuses will be distributed to Local Admin Offices as soon as they are available and they can also be seen in the Library and the Training Section.

It would be appreciated if all completed and countersigned applications, could be in the hands of the Training Officer not later than Wednesday 18 August. If exam results are still outstanding by this date, a conditional concession will be given. Employees seeking advice on training matters should make an appointment on Ext 555 to see the Training Officer, Mr T F Gubbins.

Enrolment details will be given next week.