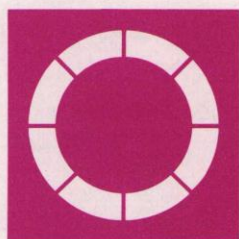


No 28/67
7 Aug 67



Rutherford Laboratory Bulletin

General News

RADIATION PROTECTION NOTICE. Period 9 commences Monday, 7 August. Colour Strip - RED for $\beta\gamma$ and fast neutron films. Please change films promptly and return all old films as soon as possible.

Please ensure that:-

1. Films are worn in the holder correctly with both the number and the colour strip showing in the open window. This side of the badge to be worn away from the body.
2. All the metal filters in the holders are intact.

If a new holder is required please contact Miss J.A. Towers, R.20, Ext. 430.

SUGGESTION AWARDS. At the meeting of the Suggestions Awards Committee on Friday, 28 July, the following awards were made:

£6. 10s. to W. Buxton - Improvements to Thames Valley Refrigeration unit reducing corrosion to tank.
£2 to F. Knott - Adaptation of an Abrasive Cutter to simplify cutting of copper clad steel sheet.
Awards of £1. 10s. were made to W. Hayes, G. Render, R. Steed, J. Scott and T. Morgan and K. Wilkes.

Encouragement awards of £1 were made to G. Render, T. Morgan and K. Wilkes.

Machine Schedules

NIMROD Cycle 8 (25.7.67 - 15.8.67)
High Energy Physics (π 5, K7, K8 and K1S)
Full details of Cycle 8 were given in Bulletin No. 26/67.

P.L.A.

<u>Date</u>	<u>Team</u>	<u>Experiment</u>
7 Aug.	Manchester Univ.	$\text{Li}^6(p,p_e)$ and $\text{Li}^7(p,p_e)$ Polarization Measurements at 50 MeV
8 - 9 Aug.		Maintenance
10 - 12 Aug.	RHEL & QMC 1	"R" Measurement at 50 MeV

Internal Events

Wed. 9 Aug., 11 a.m. Conf. Rm., Bldg. R.1	HEP Discussion Group	Dr. J.C. Taylor (Oxford)	Factorisation of Regge and Toller Poles
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External Events

EVENT AT AERE.

Fri., 4 Aug, 2.30 p.m. Conf. Rm. H.8	Nuclear Phys.Div. Colloq.	Prof. W.A. Fowler (California Inst. of Tech.)	Nucleosynthesis in Big and Little Bangs
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Please note correction of title from that given last week. Prof. Fowler is currently working with Prof. Hoyle and with Professors G. & E. Burbidge at Cambridge. Besides the nuclear aspects of astrophysics, he is engaged on associated topics of relativistic collapse, neutrino astrophysics and quasars. (Prof. G. Burbidge gave the Nimrod lecture on Monday last.)

IMPORTANT Owing to the short notice it is regretted that only British subjects can be admitted to AERE for this lecture. Staff wishing to attend are asked to ring the Divisional Admin. Officer of Nuclear Physics Division, AERE, on Ext. 72 - 2506 2609 as early as possible and certainly not later than 11.30 a.m. on Friday morning, 4 August. Entry to AERE for this lecture will be by the Library Gate.

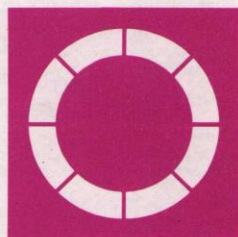
Social News

CHRISTIAN FELLOWSHIP. 12.30 p.m., Thurs. 10 Aug., P.L.A. Conf.Rm., R.12. Devotional Meeting. All are welcome.

H.F. Norris, Ext. 484
Scientific Admin. Group,
Building R.20.

Rutherford Laboratory
4.8.67

No 29/67
14 Aug 67



Rutherford Laboratory Bulletin

General News

OBITUARY NOTICE. We deeply regret to announce the death of Mr. S. Colclough, General Worker 9 of the Nimrod Machine Engineering Group on Tuesday, 8 August. Sam Colclough who was aged 56 joined the Laboratory in May 1966. Our deepest sympathy is extended to his wife and family.

FOUND. Ladies Umbrella in Bldg. R.1. Will the owner please contact the Local Administration Office, Bldg. R.1.

RADIATION PROTECTION NOTICE. It is Period 9. Colour Strip - RED for $\beta\gamma$ and fast neutron films. Please check that you are wearing the current films and return all old films promptly.

OVERSEAS VISITS. Dr. G. Manning to CERN, 11 - 16 Aug., to attend EEC and NRPC Meetings.

Dr. R. Taylor and Mr. H. Hurst to the U.S.A., 13-20 Aug., to attend the "SHARE XXIX" Computer Users Conference at Miami and to visit the IBM Laboratories at Poughkeepsie, N.Y. for discussions.

Mr. P.B. Nichols to CERN, 13-15 August, for discussions with CERN administration on various matters.

Dr. A.J. Oxley to CERN, 15-23 Aug., to attend HPD Programming Meeting and to discuss operating experience with CERN HPD users

Mr. M.J. Mitchell and Dr. J. Simmons to CERN, 17-19 Aug., to attend HPD Programming Meeting and to have discussions with members of the D.D. Division.

Machine Schedules

NIMROD Cycle 8 has been extended to 5 Sept. owing to a machine breakdown.

High Energy Physics (π^5 , K7, K8 and KLS)

Full details of Cycle 8 were given in Bulletin No. 26/67.

P.L.A.

Date

Team

Experiment

13-16 Aug.

Oxford U.

(p,t) and (p,He³) Reactions on C¹² and O¹⁶

17-21 Aug.

RHEL & QMC 1

"R" Measurement at 50 MeV

Internal Events

Wed. 16 Aug., 11 a.m.,
Conf.Rm., Bldg. R.1.

HEP Discussion
Group

Dr. N. Queen
(Birmingham)

Evaluation of KN Forward Dispersion
Relations

External Events

EVENTS AT AERE

Thurs. 17 Aug., 2 p.m.,
Conf.Rm., Bldg. 8.9

Joint Applied Maths
Group Seminar

Dr. C.T.H. Baker
(Manchester U.)

Remarks on Quadrature Formulae with
Applications to the Numerical Solution of
Integral Equations.

Fri., 18 Aug., 2 p.m.,
Conf.Rm., Bldg. 8.9

Theor.Phys.Div.
Seminar

Dr. C. Enz
(Geneva)

Second Sound in Dielectric Crystals

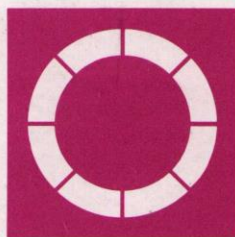
Social News

CHRISTIAN FELLOWSHIP. 12.30 p.m., Thurs. 17 Aug., P.L.A. Conf.Rm., R.12. Bible Study on St. John's Gospel, Ch.20: 1-18. All are welcome.

H.F. Norris, Ext. 484
Scientific Admin. Group,
Building R.20.

Rutherford Laboratory
11.8.67

No 30/67
21 Aug 67



Rutherford Laboratory Bulletin

General News

RADIATION PROTECTION NOTICE. It is now Film Period 9. Colour Strip - RED - for $\beta\gamma$ and fast neutron films. Please check that you are wearing the current films and that all old films have been returned.

EXTERNAL COURSES. The Reading College of Technology Prospectus for 1967-68 has been received. Details of the various short courses offered can be obtained from Mr. E.J.D. Newbold, Personnel Branch, Bldg. R.20, Ext. 585.

OVERSEAS VISITS. Mr. M.R. Bird, Atlas Laboratory, to the U.S.A. on 20 August for approx. one year's attachment to the Carnegie Institute of Technology, Pittsburgh, where he will be working in Professor Perlis' Computer Science Department.

Mr. R.A. Lawes and Mr. G.A. Tomlin to CERN, 21 - 25 Aug, for discussions on the construction and operation of the Hough Powell Device.

Dr. C.M. Fisher to CERN, 23-24 Aug, to attend CERN TC Committee meeting.

Dr. P.R. Kabir to the USA, 26 Aug - 2 Sept., to attend the International Theoretical Physics Conference on Particles and Fields to be held at the University of Rochester.

Machine Schedules

NIMROD Cycle 8 has been extended to 5 Sept.
High Energy Physics (π^5 , K7, K8 and K15).
Full details of Cycle 8 were given in Bulletin No. 26/67.

P.L.A.

Date	Team	Experiment
22-24 Aug.		Maintenance
25-30 Aug.	Q.M.C., Queen's Univ. Belfast and Westfield Coll.	Polarization Measurement of (p-d) at 10 MeV.

Internal Events

Mon, 21 Aug, 11.15 a.m., Lecture Theatre	Special Lecture	Dr. W. Fowler (Brookhaven)	Bubble Chamber Physics at Brookhaven
Wed, 23 Aug, 11 a.m., Conf.Rm., Bldg. R.1	HEP Discussion Group	Dr. C. Michael	Corrections to ρ Dominance and PDDAC

FILM SHOW AND DEMONSTRATION by the Aluminium Wire and Cable Co. Ltd., Swansea, of their Solidal cable for 415 volt power distribution systems. Lecture Theatre, Tuesday morning, 22 August. Films will be shown from 9.15 to 10.00 a.m., followed by a demonstration of cable jointing from 10.15 a.m. until 11.15 a.m. approx.

External Events

EXHIBITION. The 1967 Engineering Materials and Design Exhibition will be held at Olympia, London, 11 - 15 September, daily from 10 a.m. to 6 p.m., last day, 10 a.m. to 4 p.m.
Tickets are now available from H.F. Norris, Bldg. R.20, Ext. 484.

EVENT AT AERE.

The seminar by Dr. C. Enz on "Second Sound in Dielectric Crystals" which was to have been held in Conf.Rm., Bldg. 8.9 on Fri., 18 Aug, at 2 p.m. has been cancelled.

EVENT AT CULHAM.

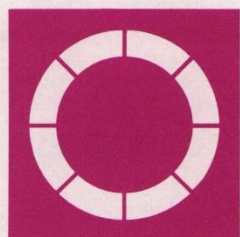
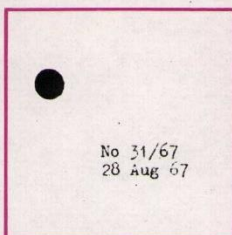
Thurs, 24 Aug., 2 p.m., Conf.Rm., Bldg. E.6	Joint Applied Maths Grp. Seminar	Prof. B.N. Paylett (Berkeley)	Remarks on Computing Eigenvalues and Eigenvectors.
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Social News

CHRISTIAN FELLOWSHIP. 12.30 p.m., Thurs, 24 Aug., P.L.A. Conf.Rm., R.12: Bible Study on St. John's Gospel, Ch. 20: 19-31. All are welcome.

H.F. Norris, Ext. 484
Scientific Admin. Group,
Building R.20.

Rutherford Laboratory.
25.8.67.



Rutherford Laboratory

Bulletin

General News

GOLDEN SHOE CLUB AWARD. Mr. Tom Rennie was admitted to the Golden Shoe Club on last Friday when Mr. Myers, the Safety Officer, presented him with an illuminated Certificate, a Golden Shoe Lapel Badge and the Club Tie. The presentation follows an occurrence recently when Tom would have received serious injuries to his toes had he not been wearing safety shoes at the time (see Safety News, No. 21, May 1967).

The aim of the Golden Shoe Club is to encourage the wearing of safety footwear and the resultant reduction of foot injuries at work. It is, accordingly, fully commended by The Royal Society for the Prevention of Accidents.

P.L.A. The following lectures have been arranged at MANTAGE:-

Geology	- 24 weeks, commencing Mon., 18 Sept.
Roman Britain	- 24 weeks, commencing Tues., 26 Sept.
Musical Appreciation	- 12 weeks, commencing Wed., 27 Sept.
International Finance	- 12 weeks, commencing Thurs., 28 Sept.

Come and meet the Tutors at the Syllabus Discussion Evening, Wednesday, 6 Sept. All meetings commence at 7.30 p.m., at Icknield School, Springfield Road, Mantage. Further details from Mrs. J. Banford, 9 Foliat Drive, Mantage, Tel. Mantage 3181.

RADIATION PROTECTION NOTICE. It is Period 9. Colour Strip - RED for $\beta\gamma$ and fast neutron films. Please note that the film badge boards in Bldg. R.2 have been moved to the opposite side of the corridor next to the Admin. Office.

OVERSEAS VISITS. Dr. N. H. Lipman, to the U.S.A., 27 Aug. for two weeks, to have discussions at the Argonne, Berkeley and Lawrence Radiation Laboratories and to attend the Stanford Conference.

Mr. W. Walkinshaw, to the U.S.A., 2-20 September, to visit the Argonne, Berkeley and Brookhaven Laboratories and to attend the 16th International Conference on High Energy Accelerators at Cambridge, Massachusetts.

Machine Schedules

NIMROD Cycle 8 has been extended to 5 Sept.
High Energy Physics (π 5, K7, K8 and KLS)
Full details of Cycle 8 were given in Bulletin No. 26/67.

P.L.A.

<u>Date</u>	<u>Team</u>	
28-30 Aug.	Q.M.C., Queen's Univ. Belfast & Westfield Coll.	Polarization Measurement of (p-d) at 10 MeV
31 Aug.		Maintenance
1-6 Sept.	Manchester Univ.	Elastic & Inelastic Proton Scattering by Ca and Zv Isotopes.

Internal Events

Wed. 30 Aug 11 p.m. Conf. HEP Discussion Group Room, Building R.1.	Dr. C.M. Fisher Mr. P. Graves - Morris	Remarks on the A1 and S (965) Resonances Absorption Model for n-p Charge Exchange.
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External Events

EVENT AT AERE

Thurs. 31 Aug., 2 p.m. Cnf. Rm. Bldg. 8.9	Joint Applied Maths. Group Seminar	Dr. F.J. Smith (Queen's Univ. Belfast).	The Efficient and Reliable Computation of Definite Integrals.
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Social News

CHRISTIAN FELLOWSHIP. 12.30 p.m., Thurs. 31 Aug., P.L.A. Conf. Rm., R.12. Bible Study on St. John's Gospel, Ch. 21. All are welcome.

H.F. Morris, Ext. 404,
Scientific Admin. Group,
Building R.20.

Rutherford Laboratory
25.8.67