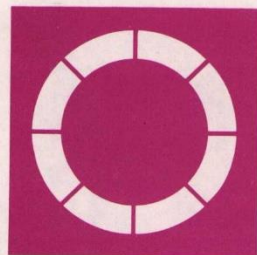


No. 29/69
11 Aug 69



Rutherford Laboratory Bulletin

General News

LLOYD'S BANK SERVICE. Staff are reminded that the services of Lloyds Bank Ltd., are available in R.25 Cash Office, every Wednesday from 12.15 to 1.45 p.m. Those using other banks can also make arrangements to use this service.

EXTERNAL CONFERENCE. Advance notice has been received of a two-day conference on the "Applications of High Voltage Electron Microscopy" to be held at AERE Harwell on 2-3 April 1970. Further information from H.F. NORRIS, R20, Ext. 484.

FILM NOTICE. Period 8 commences next Monday, 11 August, Colour Strip - LIGHT ORANGE for $\beta\gamma$ and fast neutrm films. Regular TLD Issues for surnames commencing G.H.I.J. Please change your dosimeter promptly.

OVERSEAS VISITS. Dr. G. Manning, to CERN, 11-12 Aug., to attend I.S.R. meeting.
Dr. G.V. Dass, to the U.S.A., 16 Aug., for 10-14 days, to attend the 1969 Conference on High Energy Physics at Boulder and to visit various Laboratories.
Mr. D. Morgan and Dr. S.Y. Lo to Copenhagen, 16-30 Aug., to attend the 'High Energy Symposium' at the Niels Bohr Institute.
Mr. A.R. Mayhook, to the U.S.A., 17-23 Aug., to attend the SHARE Conference at Boston.
Dr. J.D. Lawson, to Poland and the U.S.S.R. 20 Aug - 8 Sept., to visit and lecture at the Instytut Fizyki Jadrowej, Krakow, and to attend the Evevan Conference on High Energy Accelerators and the Tbilisi Seminar. (The prefix Dr. is not a misprint; we offer our congratulations on the recent award of a Doctorate of Science by Cambridge University.)

Machine Schedules

NIMROD Cycle 9(5.8.69 - 26.8.69)

Machine Physics: High Energy Physics (X2/K11, X2/K12, X2/K14A, P.71, $\pi\pi$, K3/ π 8 & X3/K15.)

Full details of Cycle 9 were given in Bulletin No. 28/69.

P.L.A.
Date

11 - 17 Aug.

Team

Experiment

Shut down period

18 - 31 Aug.

Birmingham
Univ.

Polarization Measurements of Protons
Scattered from Ca^{40} & Co^{59}

Internal Events

Mon., 11 Aug., 11.30 a.m.,
Lecture Theatre.

Special Nimrod
Lecture

Prof. A.H. Riazuddin
(Islamabad Univ.)

The Veneziano Model and Current
Algebra.

Wed., 13 Aug., 11 a.m.,
Conf., Rm., R.1.

H.E.P. Disc.
Grp.

Dr. S.P. Rosen
(Sussex)

Double Beta Decay and a New Limit
on Lepton Non-Conservation.

Wed., 20 Aug., 11 a.m.,
Conf. Rm., R.1.

H.E.P. Disc.
Grp.

Dr. R. Vinh-maw
(Paris)

Rigorous Bounds on the Pion Form
Factor.

External Events

EVENT AT AERE

Tues., 12 Aug., 2 p.m. Conf.
Rm., Bldg. 8.9

Theor.
Phys. Seminar

Dr. T. Izuyama
(Tokyo Univ.)

Spin Oscillations in Itterant Electron
Ferromagnetism.

Social News

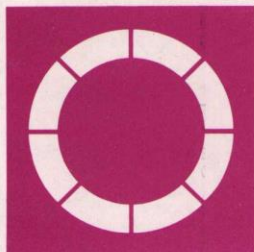
CHRISTIAN FELLOWSHIP - 30 MINUTE BREAK. A quiet time of prayer will be led by Robin Elliott, in the P.L.A. Conference Room on Friday, 15 August at 12.30 p.m. Feel free to join the Group for this interlude at lunch time.

30 MINUTE BREAK. "Everyman a Bible Student" - the series continues with a study and discussion around God's inspired word. You are encouraged to join in on Friday, 22 August at 12.30 p.m. in the P.L.A. Conference Room.

Rutherford Laboratory
8. 8. 69.

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

NO. 30/69
25 Aug. 69.



Rutherford Laboratory Bulletin

General News

CIVIL SERVICE BENEVOLENT FUND. Nearly half the non-industrial staff in the Laboratory heard Miss M. Prosser talking about the work of the fund when she visited the Laboratory in May of this year. Since all non-industrial staff are eligible for benefits under the fund, the talk is of interest to all, and Miss Prosser will be visiting the Laboratory again on Monday 25 August so that any staff unable to hear her before will have a further opportunity of doing so. The talk will be given in the following locations so that staff can attend at whichever time and place is most convenient.

MONDAY 25th AUGUST - 9.30 Atlas Laboratory
10.30 R.20 Board Room
11.00 R.1 Main Conference Room
11.45 A.P. Conference Room (2.95)
1.30 R.2 Conference Room
2.30 R.12 Conference Room

FILM NOTICE. It is Period 9. Colour Strip - LIGHT ORANGE for $\beta\beta$ and fast neutron films. Please check that you are wearing the correct films and that all old films have been returned.

BULLETIN NOTICE. The current issue again covers two weeks. Normal weekly publication will be resumed with issue number 31, dated 8 September. Contributions for this edition should be sent to the Editor by Wednesday, 3 September; late items by 10 a.m. Thursday 4 September.

OVERSEAS VISITS. Mr. A. Bishop, to CERN, 27-29 Aug., for discussions on target used in the 1.5 m. B/C.

Dr. C.J. Batty, to Canada and the U.S.A., 24 Aug. - 13 Sept., to attend conferences at Montreal, Quebec and New York and to visit the University of Minnesota.

Mr. M.J. Mitchell, to CERN, 26-28 Aug., for discussion on computing problems.

The following will be visiting the USSR to attend the 1969 International High Energy Conference at Yerevan and to visit other establishments, on the dates shown:-

Mr. D.A. Gray,	25 Aug. - 7 Sept.
Mr. A. Carne.)	
Mr. N.M. King.)	25 Aug. - 9 Sept.
Mr. P. Bowles.)	
Mr. J.M. Dickson	25 Aug. - 9 Sept., then to Stockholm, 11 - 14 Sept. to attend Digital Equipment Computer Users Society Conference.

Mr. C.M. Salomonides, to CERN, 26 Aug. - 13 Sept., for discussions and to attend Summer School.

Machine Schedules

Nimrod Cycle 10 (26.8.69 - 16.9.69.)

Machine Physics
High Energy Physics

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	
UCL/CERN/Brussels U./Tufts U.	X2/K11	K^- Interactions in the Heavy Liquid B/C	Data
Birmingham U./RHET.	X2/K12	K^+p Differential Cross-section Measurements from 0.45-0.85 GeV/c	Data
Oxford U./RHET	X2/K14A	Polarization Effects in π^+p Elastic Scattering	Setting Up
AERE/QMC/RHEL/Bergen	P71	pp Elastic Scattering at Large Angles between 1.5 and 4.0 GeV/c	Setting Up
Imp. Coll./Southampton U.	π^+7	An Investigation of Narrow Bosons Produced in $\pi-p$ Collisions	Data
UCL/RHEL	K8	K^+p Differential Cross-section Measurements from 0.85 - 2.2 GeV/c	Data
Westfield Coll./RHET	X3/ π^+8	A Measurement of the Asymmetry in Eta Decay	Setting Up
Bristol U.	X3/K15	K^+p Differential Cross-sections Measurements from 1.07 - 2.0 GeV/c	Setting Up

P.L.A.

<u>Date</u>		
25 - 31 Aug.	Birmingham U.	Polarization Measurements of Protons Scattered from Ca^{40} and Co^{59}
1 - 7 Sept.		Shut down period.

Internal Events

Mon. 25 Aug. 11.30 a.m., Lecture Theatre	Special Lecture	Prof. E.J. Squires (Durham)	Does Duality make Experimentalists Redundant?
Wed. 27 Aug. 11 a.m. Conference Room, R.1.	H.E.P. Disc. Grp.	P.D.B. Collins (Durham)	A Bootstrap at the Low Energy $\pi-\pi$ Scattering Amplitude
Thurs., 28 Aug. 2 p.m. Conference Rm., R.1.	H.E.P. Disc. Grp.	R.P. Saxena (Syracuse)	Are There an Infinite Number of Lorentz (Toller) Poles?
Wed. 3 Sept. 11 a.m. Conference Rm., R.1.	H.E.P. Disc. Grp.	J.E. Bowcock (Birmingham)	The Analytic Continuation of the $\pi-\pi$ Amplitude
Thurs. 4 Sept. 2.15 p.m. Lecture Theatre	Nimrod Proposal Lectures	(1) Proposal No. 75:- A Proposal for an Experiment at CERN to Measure the Differential Cross-sections for $p\bar{p} \rightarrow p\bar{p}, \pi^+\pi^-, K^+K^-$ Between 0.6 and 2.0 GeV/C (Dr. A. Astbury) (2) Addendum to Proposal No. 69:- The Effect of K. Meson Decay on the Triggering of Spark Chambers. (Dr. S.G.F. Frank, Southampton U.)	

Social News

30 MINUTE BREAK - Christian Fellowship in the P.L.A. Conference Rm., R 12. at 12.30 p.m., Friday 29 August. The Group will be meeting for a time of prayer, and they invite you to come along too.

30 MINUTE BREAK - 'Prayer and Fasting'; what is meant by this term, often referred to in both Old and New Testaments? Ernie Newbold, lay pastor of Wallingford Pentecostal Church, leads the study and discussion. P.L.A. Conference Rm., R 12. 12.30 p.m., 5 September.

EVENING CRICKET NEWS. Results of two matches played on 27 July and 7 August respectively:

LATRINOS SMASHED. The 'LATRINOS' met their match when they played the 'ELECTRONS'.

R 2. Elect. D.O. ('ELECTRONS') 146 for 8, R 2. Mech. D.O. ('LATRINOS') 98 all out.

R 2. Mech. D.O. ('LATRINOS') 119 for 5, G. Stapleton's XI 78 all out.

In spite of the defection of their star wicket keeper to the opposition, the LATRINOS triumphed again. A very enjoyable evening was had by all, in spite of a few minor injuries (one to the square leg umpire!)

(Ed. note - no prize for guessing from which sides the above reports were submitted!)

P.L.A. CLOSING DOWN DANCE. It has been suggested that the closure of the P.L.A. should be marked in a festive manner. It is therefore proposed to hold a Buffet Dance at Henwick Country Club, near Newbury, on Thursday, 2 Oct., for all past and present members of the P.L.A. and its visiting teams. The cost would be about £1 per head. Tickets, (limited to 120) may be booked by contacting D. Jones or G. Bartlett on Ext. 466 by 5 Sept.

Rutherford Laboratory
22.8.69.

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