



During the operating period, October 1974 to January 1975, the target was polarised more than 1500 times. In that period, the target system was operational for 85% of the available time - a very high reliability for such novel equipment.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 9 June
11.30
Lecture Theatre

A Summary of the British-Scandinavian ISR Experiments.

Dr B Alper/RL

STAFF MEETINGS

Tuesday 10 June
10.30 and 15.00
Lecture Theatre

The Director will preside.

Please see RLC No. 11/75 for details.

HEP SEMINAR

Tuesday 10 June
11.00
R61 Conference Room

Nondiagonal Neutral Currents.

Dr G V Dass/RL

PROPOSAL TALKS

Wednesday 11 June
10.30
Lecture Theatre

Proposal No. 169: "A Proposal to Measure D, R and R^1 IN pp Scattering, 200 to 525 MeV", Univ of British Columbia/QMC/Bedford College/Univ of Surrey. Talk to be given by *Prof D V Bugg/QMC*.

Proposal No. 168: "An Experiment on CP in a High Magnetic Field", Imp. Coll/RL. Talk to be given by *Dr D M Binnie*.

Proposal No. 170: "Branching Ratio for $\pi^0 \rightarrow e^+ e^-$ ", Omicron Collaboration. Talk to be given by *Dr J D Davies/Dr N Tanner*.

SEMINAR ON COMPUTER CONTROL

Wednesday 11 June
14.00
R12 Conference Room

The CERN SPS Computer Control System

Dr J T Hyman/RL

HEP SEMINAR

Thursday 12 June
11.00
R61 Conference Room

Elastic and Inelastic Polarised Target Measurements at 8 GeV/c.

K Green/Oxford

SPECIAL SEMINAR

Friday 13 June
10.00
Lecture Theatre

The Daresbury Synchrotron Radiation Facility.

Vic Suller and Neil Marks/Daresbury Laboratory

NIMROD LECTURE SERIES

Monday 16 June
11.30
Lecture Theatre

Backward Photoproduction of p and f Mesons in the Range 3-5 GeV/c.

Dr R Marshall/DL

HEP SEMINAR

Wednesday 18 June
11.00
R61 Conference Room

Results from a Low Energy $K_L^0 P$ Scattering Experiment.

Dr G Kalmus/RL

SEMINAR IN COMPUTING

Friday 20 June
11.00
R61 Conference Room

Mini Disks and Volume Protection.

A R Mayhook, A Stormer

The seminar will discuss ideas for possible future developments of space allocation on disk. The proposal is that real disks should be divided into "virtual" volumes in a way which is transparent to the user. These ideas can be developed to provide protection of both tape and disk volumes against accidental overwriting by outsiders.

NIMROD LECTURE SERIES

Monday 23 June
11.30
Lecture Theatre

Metal Bending and All That.

Professor J G Taylor/King's College, London.

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for
Insertions

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Room 42 Building R20
Rutherford Laboratory
Chilton Didcot Oxon

Tuesday 1600

Wednesday 1200

Abingdon 1900 Ext 484

EXTERNAL EVENTS

OXFORD UNIVERSITY

ELEMENTARY PARTICLE THEORY SEMINARS/NP DEPT - 14.30 hours

13 June: The Structure Functions F_4 and F_5 in Asymptotically Free Theories - Dr P Scharbach/
Dept of Theor. Phys.

20 June: Properties of Hadrons as Quark Bound States on the Null-plane - Dr C A Savoy/Geneva.

ELEMENTARY PARTICLE PHYSICS SEMINAR/NP DEPT - 14.30 hours

12 June: The Hanbury-Brown-Twiss Effect and Fireballs in High-energy Collisions -
Dr G Cocconi/CERN.

NUCLEAR PHYSICS SEMINARS/LECTURE THEATRE, NUCLEAR PHYSICS LAB - 14.30 hours

9 June: Title to be announced - Dr W D Hamilton/Sussex.

16 June: Triple Correlations and the Identification of High-spin Continuum States in ^{20}Ne &
 ^{20}Ne - Dr L K Fifield/Oxford N.P.L.

THEORETICAL PHYSICS SEMINARS/CLARENDON LAB - 16.15 hours

12 June: Temperature in Particle Physics - Mr W P Baures.

13 June: Surface Electromagnetic Waves - Prof E Burstein/Univ. of Pennsylvania.

COLLOQUIA/CLARENDON LAB - 16.15 hours

13 June: Molecular Beams Experiments with Van der Waals Molecules - Prof D Kleppner/M.I.T.

LOW TEMPERATURE & SOLID STATE PHYSICS SEMINAR/CLARENDON LAB - 14.30 hours

12 June: Measurements in the Vacuum U.V. - Prof M Schlesinger/Ontario - Clarendon Lab.

CAMBRIDGE UNIVERSITY

THE SCOTT LECTURES 1975/LARGE LECTURE THEATRE, CAVENDISH LAB - 16.45 hours

These lectures will be delivered by Prof. Steven Weinberg, Higgins Professor of Physics,
Harvard University on 'Unified Theories of Elementary Particle Interactions'.

9 June: Particles, Interactions & Symmetries; 11 June: Unified Gauge Theories; 13 June:
Applications and Speculations.

MANCHESTER UNIVERSITY

THEORETICAL PHYSICS SEMINAR/NIELS BOHR COMMON ROOM - 14.30 hours

18 June: Phase Transitions in Spin Phonon Coupled Systems - Prof R J Elliott/Oxford.

SOUTHAMPTON UNIVERSITY

THEORETICAL & HIGH ENERGY PHYSICS SEMINARS/LECTURE THEATRE 'C' - 14.30 hours

13 June: Muon Deep Inelastic Scattering - Dr T Quirk/Oxford.

20 June: The Status of Quantum Gravity - Dr C Isham/King's College London.

SUSSEX UNIVERSITY

ATOMIC LASER & PLASMA PHYSICS SEMINAR/PB 1A6 - 14.15 hours

12 June: Micropulsations in the Geomagnetic Field - Dr D Southwood/Imp. College.

19 June: Polarized Neutrons - Dr G Williams/R.L.

THEORETICAL PHYSICS SEMINAR/PB 1A6 - 14.15 hours

12 June: The Laws of Thermodynamics - Dr R E Turner/Sussex.

NUCLEAR PHYSICS SEMINAR/PB 1A6 - 14.15 hours

16 June: Coulomb Energies in the $A = 18$ Nuclei - S Kahana/Brookhaven and Oxford.

DARESBURY LABORATORY

NUCLEAR THEORY SEMINARS/CONFERENCE ROOM NO. 3 - 14.00 hours

9 June: Scattering of Clusters by Nuclei - R Buck/Oxford.

23 June: Semi-classical Approach to Heavy Ion Scattering - N Rowley/Liverpool.

AERE, HARWELL

THEORETICAL PHYSICS SEMINARS/CONFERENCE ROOM H8.9 - 14.00 hours.

10 June: Interaction between Voids - Prof J R Willis/Bath.

17 June: Title to be announced (Subject - Physics of Fast Reactor Accidents) - H Teague/
Culcheth.

SOCIAL NEWS

1975 CIVIL SERVICE SAILING CHAMPIONSHIPS

Anyone interested in these
championships which are
open to all dingy classes

can obtain further details from Peter Craske, Ext. 232.

1975 SRC SPORTS DAY

The annual sports day is on
3 July this year. Anyone wishing

to take part should send in their names by 16 June at
the very latest. The events and persons to contact are
listed below -

Football - R Lawes Ext. 527
Cricket - J Rice Ext. 6363 or R Smith Ext 334
Bowls - T Molyneux Ext. 6210
Netball - Mrs P Coulthard, Ext. 6622
Tennis - P Craske, Ext. 232
Chess - P Craske, Ext. 232

CIVIL SERVICE LAWN TENNIS ASSOCIATION TOURNAMENT

Details of this tournament,
to be held at Chiswick,
7-12 July 1975 can be

obtained from G Howard, R18, Ext. 6115. Closing date is
18 June.

CHRISTIAN FELLOWSHIP

Meeting at 12.30 on Friday
13 June, details not to hand.

Friday 20 June - Sweet Water from an Old Well. During
the 17th Century, multitudes of ordinary British
people were moved by the Gospel of Christ. What did
the Puritan preachers say that affected people so as to
change the course of history? Come and hear
Dr Richard Sibbes, Master of Catherine Hall, Cambridge
Preacher of Grays Inn, London as presented by
J L Thomas at 12.30 in the R12 Conference Room.

JANET'S FAREWELL PROGRAM

Old nominal rolls can be very interesting and, enlightening. Until the latest issue was published, one name has consistently appeared in the section headed Nimrod, although after a few years the Miss did change to Mrs. The Miss was of course Janet who became Mrs Trotman. Janet has been around the Lab for 15 years being concerned with machine physics for the whole period.

She first joined the Nimrod Injector Group working initially for Terry Walsh. Janet recalls that she has only had two Division Heads, Leo Hobbs and David Gray and has only worked directly for three other people besides Terry Walsh - Roy Billinge, Graham Rees and John Maidment. She thinks they were all lovely people to work for.

On last Friday, many of her friends and colleagues gathered in Conference Room No. 2, R1, where David Gray after a short but amusing speech, presented Janet with a garden seat to which an engraved brass plate was attached bearing the words "Presented to Janet Trotman by her friends at the Rutherford Laboratory, 30 May 1975". David commented on the number of people Janet had helped with their computing, he was very sorry to lose her.

In addition to the seat David presented her with a large card containing 132 signatures. Janet has been 'computing' since the Harwell Mercury days and there are not too many people around who can make that claim. A letter from Janet contains the following message -



Obviously David finds this an EPIC occasion

"Please can I, through the Bulletin, thank all my friends at the Rutherford Lab for the magnificent garden seat that they gave me as a leaving present. Not surprisingly, I didn't get around to thanking all 132 of the signatories on the card personally on the last afternoon, but would like to take this opportunity to say thank you and goodbye to those I missed. P.S. It didn't say 'Abingdon Borough Council' on the brass plate on the seat!"

We all wish Janet happiness in her new way of life however 'labourious' it may be for a time.

* * *

MISSING EQUIPMENT Will anyone knowing the whereabouts of a Laboratory microscope and carrying case removed from Room 202, Bldg R25, please return this item or ring Ext. 6667.

Double Beam Serviscope Type D33R, Ser. No. 28249, Inventory Item N2/401. Anyone knowing the whereabouts of this item should contact Mr R Bairstow, Lab 6, R1, Ext. 379.

The following items have disappeared from the HPD room in Bldg R1:-

5/16" Electric Drill AERE No. 16178
Avometer Model 8, Ser. No. 51148-C-956

Anyone knowing the whereabouts of these items is asked to contact Mr R A Lawes, Ext. 527/246.

OVERSEAS VISITS Mr R Nickson, to CERN, 8-30 June, to work on equipment for Omega run

on new ψ experiment.

Mr K C Myers, to CERN, 9-11 June, for discussions on safety with Head of Safety Group.

Mr D C Salter, to Grenoble, 9-13 June, for technical liaison with ILL staff.

Dr S F J Read, to CERN, 19-20 June, for discussions on polarised target work.

Dr D R S Boyd, to CERN, 16-19 June, to discuss pattern recognition techniques with Omega software team.

Drs A Astbury, C J Damerell, R T Ross and D H Saxon, to Palermo, 21-28 June, to attend European Physical Society Conference.

FILM BADGE NOTICE It is Period 6. Colour Strip - GREEN for B_y films. Please check that you are wearing the correct films and that all old ones are returned.
Next film badge change - Monday 16 June.

RL NOTICES & CIRCULARS ISSUED DURING THE PREVIOUS FORTNIGHT
RL Notice No. 8/75 - Overtime Credit for Non Industrial Shift Workers.
RL Circular No. 11/75 - Staff Meetings.

NATIONAL SAVINGS CERTIFICATES Monthly cycle ending 31.5.75. Certificates can now be collected from the Cash Office R20. New members wishing to join the scheme can obtain enrolment forms from the Cash Office.

STOP PRESS

Special Lecture, Wednesday 18 June
15.15 in the Lecture Theatre.

Progress in Laser Fusion Research.

Dr P Hammerling/KMS Fusion, Inc. USA