



Rutherford
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
(6,3), NACHT(48), XCEN(12), PARS(2), TCHART(12), R
MMON/CFID/MFX(20,3), MF(20,3), NFD(20,3), NDT(3), I
B(2,20,3), NX(100,4), NY(100,4), XN(2), YN(8), IB(100,2), IDX(
DY(100,2), JDX(4), JDY(4), IHS(4), IOV(2), IUN(2), ID
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MA
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NSR(20), X
(20), BX(20), NST1(20), NST2(20), INER(20) bulletin 39

OBITUARY NOTICE

We deeply regret to announce the death of Mr F G Weatherall on Friday 10 November. He was aged 54. Fred Weatherall joined the Laboratory on 7 November 1966 as a Security Warden and became a charge-hand in January this year. A well known figure around the site, he will be sadly missed by his many friends and colleagues. We extend our deepest sympathy to his wife and daughter.

NUCLEAR PHYSICS BOARD VISIT

The Nuclear Physics Board will hold a meeting at the Laboratory on Tuesday 21 November. As a prelude to this, on Monday afternoon Members of the Board will be shown exhibits illustrating certain aspects of the Laboratory's research and development programme. One of these exhibits, a small display of the space activities of the Laboratory, will remain on view on Wednesday and Thursday, 22 and 23 November, in Rooms 84 and 85, the west end of Building R20. Supervisors are asked to release as many members of their sections as possible who may wish to see the display.

FILM BADGE NOTICE

It is Period 12. Colour Strip - BROWN for Bx films and fast neutron packs. Please check that you are wearing the correct dosimeter and that all old ones are returned. Next film badge change - 27 November.

AUSTRALIA BOUND

Moreen Anderson left the Laboratory on Friday 10 November to take up a post in Australia in the New Year. She joined the Laboratory twelve years ago and has worked in the Personnel Section, Safety Group, Stores, Accommodation and for the last five to six years, in the Computing and Automation Division. Her new post in Australia is at a girls' school where she will be doing clerical work and acting as House Mother to the girls. Moreen has been a keen swimmer from her early days and has helped many people at the Abingdon pool including a number of handicapped people. At Mittagong where she is going, the town (population 3000) has an Olympic standard swimming pool so she is looking forward to many a pleasant dip. Moreen thanks all for their very generous gift presented to her by Dr Valentine, and is sorry that she was unable to see everyone personally to say goodbye. We would like to join her many friends and colleagues in wishing her a very happy and successful New Year down under.

NATIONAL SAVINGS CERTIFICATES - SALARIES CYCLE ENDING 30 11 72

Certificates can be collected from the Cash Office R20 from 1 December onwards. New members wishing to join the Scheme can obtain enrolment forms from the Cash Office. Forms must be returned not later than 5 December 1972.

MISSING EQUIPMENT

6 point potentiometric recorder, Kelvin Hughes Model HPR/AG Ser No PI083, Loan Pool No LP 1287. Will the person who reported locating this instrument in his Lab please return it to Mr V Thorp, Building R18, Ext 382.

OVERSEAS VISITS

Dr J B Forsyth and Mr D C Salter, to Grenoble, 20 - 24 November for discussions with ILL staff.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 20 November
11.30
Lecture Theatre

Hadron Production in Deep Inelastic Scattering

Dr W T Toner/RHEL

METRICATION TRAINING

Tuesday 21 November
15.30
Lecture Theatre

The third showing of the introductory session on metrication

Full details were given in Bulletin No 37

HEP DISCUSSION GROUP

Wednesday 22 November
11.00
Conference Room, Building RI

Neutron Proton Mass Difference

Dr Fayazuddin/RHEL

FILM SHOW

Wednesday 22 November
12.40
Thursday 23 November
13.15
Lecture Theatre

The Dignity of Man - a 20 minute colour film

This film from the School of Meditation, is about the spiritual significance of work; various craftsmen speak of what work means to them, and what they are aiming at.

Please note change of showing times for this week

NIMROD LECTURE SERIES

Monday 27 November
11.30
Lecture Theatre

Small Angle Elastic Scattering of High Energy Particles from Nuclei

Professor J Kirz/Stony Brook

NIMROD SCHEDULE

CYCLE 15 21 11 72 - 12 12 72

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
RHEL/UCL/Berkeley/ Torino	K9	4 GeV/c π^+ p interactions using the track sensitive target	Data
Cambridge University/ RHEL	K13C	Associated Production Cross Sections	Data
Imperial College/ Southampton Univ	π^+	Studies of η ω and A2	Data

EXTERNAL EVENTS

NUCLEAR STRUCTURE SEMINAR

Monday 20 November
14.30
Nuclear Physics Lab, Oxford

Three Particle States of ^{19}F

Dr D W O Rogers/Nuclear Physics Laboratory, Oxford

PHYSICS & GEOPHYSICS COLLOQUIUM

Monday 20 November
17.00
University of Bristol

Planetary Magnetic Fields

Dr R Hide/Meteorological Office, Bracknell

DARESBURY LECTURE SERIES

Tuesday 21 November
14.00
Daresbury NP Laboratory

Heavy Meson Production in $\bar{p}p$ Annihilations

J Norem/Rutgers and Liverpool

THEORETICAL PHYSICS SEMINAR

Wednesday 22 November
14.30
University of Manchester

Correlations in Atoms and Molecules - a New Approach Using Transcorrelated Wavefunctions

Professor G G Hall/Nottingham

ELEMENTARY PARTICLE PHYSICS SEMINAR

Thursday 23 November
14.15
Nuclear Physics Lab, Oxford

A Model for the Baryon Spectrum and its Predictions

Dr R Horgan/DESY

ASTROPHYSICS SEMINAR

Thursday 23 November
14.30
Dept of Astrophysics, Oxford

Infra-red Emission from Galactic Nuclei

Dr D ter Haar/Oxford

THEORETICAL PHYSICS SEMINAR

Thursday 23 November
16.15
Clarendon Laboratory, Oxford

Generator Co-ordinate Method and the Bogolubov Theory of Superfluidity

Dr A Mann

OXFORD SOCIETY FOR SOCIAL RESPONSIBILITY IN SCIENCE

Thursday 23 November
20.15
Rm C113, Psychology Bldg, Ox

Alternative Technology

David Dickson/Science Journalist and Consultant for UNESCO

EVENTS AT AERE

THEORETICAL PHYSICS SEMINAR

Thursday 21 November
14.00
Conference Room, Building 8.9

The Jahn Teller Interactions at High Symmetry Sites in Crystals

Dr Mary O'Brien/University of Oxford

NUCLEAR PHYSICS COLLOQUIUM

Thursday 23 November
15.30
Conference Room, Hangar 8

Some Applications of the Aldermaston Pulsed Reactor VIPER

Mr M H McTaggart/AWRE, Aldermaston

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Deadline
for
Insertions

GENERAL & SOCIAL NEWS

Tuesday 1600

INTERNAL & EXTERNAL EVENTS

Wednesday 1200

Room 42 Building R20
Rutherford Laboratory
Chilton Didcot Berks
Abingdon 1900 Ext 484

SOCIAL NEWS

CHESS TOURNAMENT

The annual nine round Swiss Tournament is now well under way and with three rounds completed an interesting situation has arisen. The leaders with three points each are Bill Turner (the defending champion), Alan Gilby, Peter Craske and Jim Riddle. Right on their heels are Cyril Richardson and Norman Jeffries with two and a half points. All these six players clash in the fourth round so there should be some fireworks. Last year Bill Turner had established a half point lead after four rounds.

RECORD SOCIETY

Tuesday 21 November at 12.40 in the Lecture Theatre

Petite Fleur - Chris Barber and His Jazz Band

A selection of popular jazz classics including High Society, The Saints, Whistling Rufus and Bugle Call Rag played by a noted exponent of the traditional style jazz.

CHRISTIAN FELLOWSHIP

Friday 24 November. Meet a local minister. The Rev Norman Baker, minister of Didcot Methodist Church, will be visiting the Laboratory on Friday at 12.30 pm in the Conference Room, Building R2. All are invited to come along.