



Rutherford
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
(6,3), NACHT(48), XCEN(12), YCEN(12), IP(17), IPATCH(17), AR
MMON/CFID/MFX(20,3), MFY(20,3), NFDX(10,3), NFX(3), NFD(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), IDEL(2), DE
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MAXOV, W
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(20,
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NS(20), Y(10), YA
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), AN(60

10-17 January 1972

bulletin 2

RUTHERFORD LABORATORY LECTURE

The first Rutherford Laboratory Lecture in the 1972 Series will be given by Mr Jeremy Mitchell of The Social Sciences Research Council at 15.15 hours on Thursday 13 January. He has entitled his talk -

'The Social Sciences - Are they Human'

The following summary provided by Mr Mitchell contains some interesting and thought provoking questions.

"What are the social sciences? Is it sensible to call them sciences at all? What is the nature of our knowledge about man in society? Can social research 'solve' the problems of society? In what ways is social science research similar to or different from research in the natural sciences? What are the prospects for closer integration of the natural and social sciences? How are these likely to be affected by the proposals in the Rothschild report?"

FOR YOUR DIARY - the next lecture in this series will be held on Thursday 9 March when Professor P H Fowler, Bristol, will speak on "Ultra heavy elements in cosmic rays".

STAFF MEETING

A Staff Meeting will be held in the Lecture Theatre at 1500 hours on Wednesday 12 January. The Director will preside and the agenda will be:-

- 1 The Presentation of the John Wilkins Award for 1970
- 2 The Future Programme of the Rutherford Laboratory.

Full details of invited staff are shown in Circular No 1/72.

LIBRARY NOTICE

Within the next few weeks the library will be recalling all items on loan. Material still required for use will be re-issued. Staff are requested to return any items in their possession which have a Rutherford Library Stamp whether or not they are included in the list sent to them. With the clearance of old records, the Library will henceforth automatically recall material after a loan period of three months. There will be a shorter loan time (two weeks) for items with a waiting list. Loans will be renewed if specifically requested. It is suspected that much of the material at present on loan is not in active use; however its absence from the shelves is an inconvenience to other readers, who must wait for items to be recalled.

A MILLION VIEWS

HPDI achieved a total of 1,006,000 views during 1971 which is equivalent to 335,000 events. This compares with 210,000 events in 1970 and 90,000 in 1969.

195 COMPUTER DOCUMENTATION

The following documents relating to the central computer have been issued within the last few weeks:-

- 195 Computer Bulletin No 2 - "Use of Magnetic Tapes"
- 195 Computer Bulletin No 4 - "Arithmetic Program Interrupts with Fortran"
- Computer Introductory Guide and Reference (CIGAR) - Second Issue

Computer users who have not received copies of the above should contact the Manuals Librarian, Extension 352.

CERN FELLOWSHIPS

Explanatory leaflets and application forms for the 1972 CERN Fellows and Visitors Programme have been received by Personnel Group. Copies may be obtained from Room 64, Building R20.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 10 January
11.30
Lecture Theatre

Inclusive Reactions

Dr G Ranft/Leipzig

HEP DISCUSSION GROUP

Tuesday 11 January
14.00
Conference Room Building RI

Wide Resonance Dual Models

M Vaughn/RHEL

HEP DISCUSSION GROUP

Wednesday 12 January
11.00
Conference Room Building RI

Plastic Threshold Cherenkov Detectors with Wave-Length Shifter and Quencher

E Sacharides/RHEL

FILM SHOW

Wednesday 12 January
13.15
Thursday 13 January
12.40
Lecture Theatre

Standards Mean Business - a 22 minute colour film

This is a new film from the British Standards Institution. It is intended to clear up the misconceptions that exist about this 70 year-old body, which is claimed to be the largest voluntary organisation of its kind in the United Kingdom. It relies upon 22,000 specialists to set all those standards, which give a fair deal to manufacturers and consumers alike. The BSI is also an authority on the standards adopted by other countries and so provides invaluable assistance to our exporting companies.

STAFF MEETING

Wednesday 12 January
15.00
Lecture Theatre

The Director will preside. Full details are given in Circular No 1/72.

RUTHERFORD LABORATORY LECTURE

Thursday 13 January
15.15
Lecture Theatre

'The Social Sciences - Are they Human'

Mr Jeremy Mitchell/Social Sciences Research Council

SEMINAR IN COMPUTING

Friday 14 January
11.00
Conference Room Building RI

C & A Division General Meeting

NIMROD LECTURE SERIES

Monday 17 January
11.30
Lecture Theatre

Lambda Proton Total Cross - Sections

Dr K Kleinknecht/CERN

EXTERNAL EVENTS

PHYSICS COLLOQUIUM
Monday 10 January
17.00
University of Reading

The Behaviour of Metal-Ion-Impurity Cation-Vacancy Complexes in Alkali Halides
Professor J H Crawford/University of North Carolina

BRITISH COMPUTER SOCIETY -
READING BRANCH MEETING
Tuesday 11 January
20.00
University of Reading

Computer Experiments in Physics

Professor R W Hockney/Professor of Computer Science, University of Reading

"A number of examples of the use of a particle model in a wide variety of physical situations will be described. Applications of the model in Astrophysics, Plasmaphysics, and electron flow in electronic devices will be illustrated with computer generated movie-film."

IEE OXFORD DISTRICT MEETING
Wednesday 12 January
19.00
Oxford Polytechnic, Headington

The New Data Network

F R E Dell/P O Telecommunications; Development Department

ELEMENTARY PARTICLE PHYSICS
SEMINAR
Thursday 13 January
15.00
University of Cambridge

Properties of Currents in Dual Modes I

Dr A Nereu/Orsay

EVENT AT AERE

THEORETICAL PHYSICS SEMINAR
Tuesday 11 January
14.00
Conference Room Building 8.9

Fleet Scheduling

Dr I M Cheshire/AERE

STOP PRESS

FILM BADGE NOTICE

It is Period 1. Colour Strip - ORANGE for 8y films.

Please return all old films as soon as possible.

RUTHERFORD LABORATORY BULLETIN

Published by the Scientific Administration Group

Editor: H F NORRIS

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

pmr

WEA LECTURES AT WANTAGE

A 12 week course of lectures on "20th Century Art" will be held at Icknield School, Springfield Road, Wantage on Tuesdays at 7.30 p.m. commencing on 11 January.

WORD OF THANKS

Peter Smithers and Daughter Nicola wish to express their sincere thanks to all friends for the beautiful floral tribute, sent in their recent sad bereavement.

OVERSEAS VISITS

Dr N M Lipman and Dr B K Penney to CERN, 9 - 12 January, to attend Omega meeting to discuss plumbicon project and on and off line software.

Messrs H O Normington, W Glasgow, J Hawthorne, H C V Hawthorne, N Gomersall and B O'Hagan, to CERN 10 - 21 January for installation work on ISR.

Mr P MacKay and Mr W Russell to CERN, 10 - 21 January to overhaul gas rigs on p-p experiment.

SOCIAL NEWS

FISHING MATCH

A fishing match has been arranged between the Rutherford Laboratory and British Rail (Didcot Depot) and will take place on Saturday 22 January at the Didcot Pit (Provender) from 10.00 to 14.00 hours. Any fishermen who are interested in taking part are asked to contact Peter Craske, Ext 232 or Bill Rouse Ext 6223.

RECORD SOCIETY

Tuesday 11 January at 12.40 p.m. in the Lecture Theatre.

Tchaikovsky, Symphony No 1 in G Minor, Lorin Maazel conducting the Vienna Philharmonic Orchestra.

Symphony No 1 was first performed in Moscow in November 1868. The first two movements are ostensibly programmatic and are entitled "Daydreams on a Wintry Road" and "Oh Land of Gloom, Oh Land of Mist". In the third movement, the trio is the first - and most rudimentary - of a whole succession of orchestral waltzes in which Tchaikovsky was later to prove a supreme master. The finale, after a sombre slow introduction, is based on a short striding theme which is developed extensively. The whole work occasionally shows signs of the maturity in writing, the composer achieved in his later works.

It is probably true to say that Tchaikovsky is a composer that one likes immensely or dislikes intensely. Certainly in this recording one has the pleasure of listening to the warm string tones of this famous orchestra.

CHRISTIAN FELLOWSHIP

Friday 14 January at 12.30 p.m. in the Conference Room, Building R12.

Last Summer John Newbold of the R18 Electrical workshop, spent nearly a month in France with Operation Mobilization. O.M. is an interdenominational missionary society and each year thousands of young people go to all parts of the world to distribute Christian literature. All are welcome to come along and hear John's experiences.