



Rutherford
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(R4),
(6,3), NACHT(48), XCEN(12), 24-31 January 1972
MMDN/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), IDE
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MAXOV, KUN
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(20
MMDN/CJACK/NSY(20,30), NMS(20), NDR(20), NSB(20), YA(100), YA
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), AW(60)
bulletin 4

COMPUTER NEWS

A card reader is now available in the card punch area of Data Preparation for users to read their jobs directly into the computer. The 195 Computer Bulletin No 5 giving full details of this facility will be distributed shortly.

NATIONAL SAVINGS CERTIFICATES - MONTHLY CYCLE ENDING 31 JANUARY

Certificates can be collected from the Cash Office, R20 from 1 February onwards. Weekly cycle ending 4 February - certificates can be collected from the Cash Office from 7 February onwards.

New members wishing to join the scheme can obtain enrolment forms from the Cash Office.

FILM BADGE NOTICE

Period 2 commences Monday 24 January. Colour Strip - BROWN for $\beta\gamma$ films and fast neutron packs.

Six monthly TLD change for people with surnames commencing EFGH. Please change all dosimeters promptly and return all old ones.

OVERSEAS VISITS

Mr J T Delury and Mr K H Davies to the USA, 23 - 30 January, to attend a GSFC NASA Project Experiments Review; to visit General Electric (Philadelphia) to hold an interface meeting and, to secure USA integration of Experiment (SRC) flight hardware with our "Experimenters Representative" in USA.

Mr E A Smith to CERN, 24 - 27 January to deliver to and collect van from CERN.

Dr J M Valentine to CERN, 24 - 26 January for further discussions on the comparison with CERN project; and support of teams at CERN.

Dr C M Fisher to CERN, 24 - 26 January to attend ECFA - BEBC - hybridization Working Party.

Mr H Hadley, Mr K J Harris and Mr K Stone to CERN, 25 - 27 January to view the BEBC Scanning and Predigitising Table and for discussion.

Dr P J Litchfield to the USA, 28 January - 10 February to attend APS Meeting, discussions at Berkeley and to visit ANL and NAL Chicago.

INTERNAL EVENTS

NIMROD LECTURES

The lectures announced in the last edition of the Bulletin were rearranged and brought forward one week. As a result there is no lecture in this series in the current week. The next lecture will be on 31 January and details are shown at the bottom of this column.

HEP DISCUSSION GROUP

Wednesday 26 January
11.00
Lecture Theatre

Inclusive Reactions for Beginners - continuation of last weeks lecture.

Chan Hong Mo/RHEL

FILM SHOW

Wednesday 26 January
13.15
Thursday 27 January
12.40
Lecture Theatre

Anatomy of a Motor Oil - a 16 minute colour film.

A highly informative film from Castrol which explains the chemical contents of a modern motor oil. Designed as a technical film for the public, it treats its subject in a very practical way showing why crude oil cannot be used for lubrication in its original state. It also discusses the use of additives. Altogether a highly informative film which should make its audiences more aware and knowledgeable about the oil they use in their cars.

SEMINAR IN COMPUTING

Friday 28 January
11.00
Conference Room Building R12

Recent Trends in Computing at CERN.

H J Down/ULCC

CERN is moving rapidly towards a decentralized computing service based on the CDC 7600. Recent experience with the FOCUS system suggests that decentralization will be very popular with the physics community at CERN. Experience gained from one year of operation of remote batch stations will be presented and future plans will be discussed.

NIMROD LECTURE SERIES

Monday 31 January
11.30
Lecture Theatre

Analysis of the 3π System of the Reaction $\pi^- p \rightarrow 2\pi^- \pi^+ p$ at Serpukhov.

Dr R Klanner/CERN

EXTERNAL EVENTS

THEORETICAL PHYSICS SEMINAR
Monday 24 January
16.15
Queen Mary College

Unitary Models of the Pomeron.
Professor J R Fulco/Santa Barbara

NUCLEAR PHYSICS SEMINAR
Monday 24 January
14.30
Nuclear Physics Laboratory,
Oxford

Evidence for Gravitational Waves
Professor W D Allen/University of Reading and RHEL

ELEMENTARY PARTICLE PHYSICS
SEMINAR
Tuesday 25 January
14.30
Nuclear Physics Laboratory,
Oxford

Currents and Discrete Symmetries from First Principles
Professor J Bernstein/Stevens Institute of Technology, New Jersey

DARESBURY LECTURE SERIES
Tuesday 25 January
14.30
Daresbury Nuclear Physics
Laboratory

Photon Interactions at High Energies
D O Caldwell/University of California - Santa Barbara

INSTITUTE OF MATHEMATICS -
BRISTOL BRANCH MEETING
Tuesday 25 January
19.30
University of Bristol

Dichotomy in Mathematics
Dr Edmund Gibbs/N P L

THEORETICAL PHYSICS SEMINAR
Wednesday 26 January
14.30
University of Manchester

The Scattering of Helium from Surfaces
Dr J L Beeby/Harwell

ELEMENTARY PARTICLE PHYSICS
SEMINAR
Thursday 27 January
15.00
University of Cambridge

The Elusive Fixed Pole in Compton Scattering
Dr N White/Daresbury

THEORETICAL PHYSICS SEMINAR
Thursday 27 January
16.15
Clarendon Laboratory Oxford

Electrons in a Crystal and an External Electronic Field; 'The Stark Ladder'
Professor R E Peierls

EVENT AT AERE

THEORETICAL PHYSICS SEMINAR
Tuesday 25 January
14.00
Conference Room Building 8.9

Scattering of Atoms from Surfaces
Dr J L Beeby/AERE

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for
Insertions

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

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

Tuesday 1600

Wednesday 1200

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SOCIAL NEWS

RECORD SOCIETY

Tuesday 25 January at 12.40 p.m., Lecture Theatre.

Popular Favourites in Brass - The Famous CWS (Manchester) Band,
conducted by Alex Mortimer.

This famous band, unquestionably one of the best in the country, has been in existence for over seventy years. Alex Mortimer, who comes from a very well known musical family played with the Fodens Motor Works Band and the Halle Orchestra for many years, and became musical director of the CWS Band in 1954.

This record of Popular Favourites is a remarkable combination of skill and musical ability; with one exception, the pieces are not usually heard played by brass bands.

Amongst these are Grieg's The Last Spring, The Force of Destiny Overture by Verdi (test piece for the 1962 National Brass Band Championships which was won by the CWS Band), Friedmann's Slavonic Rhapsody No 2, and the Pomp and Circumstance March No 4 by Elgar.

AERE HORTICULTURAL SOCIETY

A reminder that the AGM of the Society will be at 12.30 p.m. on Tuesday 25 January in the Television Room at the Social Club. Nominations for a new Chairman and a new Secretary are urgently required. The Society is in a critical state so do come along and give your support.

CHRISTIAN FELLOWSHIP

Friday 28 January, 12.30 p.m. in the R12 Conference Room. All welcome to come along to meet the Rev N Baker of Didcot Methodist Church.