



Rutherford
Laboratory

7-14 February 1972
bulletin 6
R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
(6,3), NACHT(48), XCEN(12), YCEN(12), TCH(12), 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), IX
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, YUN
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), NS1(16), YA
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), AWI(60

CULHAM LABORATORY - SUMMER SCHOOL

Culham Laboratory is again running a Summer School on Plasma Physics, 10 - 21 July 1972 as an introductory course on this subject and its applications in other branches of physics and in technology. The course will be suitable for final year under-graduates and post-graduate research workers. Further information and application forms from Training Section R20.

MISSING EQUIPMENT

The following item of equipment has been reported missing from Laboratory 2, Building R1:-

Heathkit Valve Voltmeter Type IM - 13 - UB

Anyone with information on the present whereabouts of this instrument is asked to contact Mr G J Homer, Building R1 Ext 288.

The following item of equipment has been reported missing from the Heavy Laboratory R25:-

Portable Handlamp Serial No 14/3913

Anyone with information on the present whereabouts of this lamp is asked to contact Mr C H Booth Room 3.10, Building R2 Ext 6645/6322.

FILM BADGE NOTICE

It is Period 2. Colour Strip - BROWN for $\beta\gamma$ and fast neutron packs.

Please check that you are wearing the correct dosimeters and that all old ones are returned.

PLEASE NOTE - If there are any metal filters missing from your $\beta\gamma$ holder please contact Mrs J Coates Ext 430 for a replacement.

OVERSEAS VISITS

Mr H Hurst to Paris 4 - 6 February, to visit Groupement Informatique Interentreprises and to attend a meeting of the SEAS Executive Committee.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 7 February
11.30
Lecture Theatre

How one can look at data without being led by a model.

Dr W Kittel/CERN

PHYSICS DISCUSSION MEETING

Tuesday 8 February
11.00
Conference Room Building RI

Physics with Target Chambers

Gordon Kane/Gordon Ringland/Roger Phillips

Because of the physics interest in detecting neutrals, we are having a discussion meeting on possible short and long-range uses of track sensitive bubble chambers. Some interesting experiments will be suggested. Anyone who would like to contribute, is asked to contact one of the above, or come along anyway. If there is enough interest we can adjourn for lunch and continue in the afternoon.

HEP DISCUSSION GROUP

Wednesday 9 February
11.00
Conference Room, Building RI

How well does s^- and t^- Channel Information Agree in Low Energy πN Scattering.

Dr H Nielson/RHEL

FILM SHOW

There will be no film show this week.

SEMINAR IN COMPUTING

Friday 11 February
11.00
Conference Room, Building RI2

On Some Data Network Developments

P T Kirstein/ICS London

In the light of present Datel Services, the future networks proposed by the Post Office will be discussed. The Post Office Data Network plans will be compared with others in Europe and North America.

Finally, a large scale computer network, the US ARPA Network, will be described. Some possible extensions of the network, and its relation to other European Networks under design, will be considered.

NIMROD LECTURE SERIES

Monday 14 February
11.30
Lecture Theatre

Coherent Effects in Deuterium Collisions at High Energies

Martin Block/North Western University USA and CERN

EXTERNAL EVENTS

NUCLEAR PHYSICS SEMINAR

Monday 7 February
14.30
Nuclear Physics Lab Oxford

The Future of Nuclear Astrophysics

Dr D W Sciama/Dept of Astrophysics Oxford

THEORETICAL PHYSICS SEMINAR

Monday 7 February
16.15
Queen Mary College

The Hydrodynamic Model of a Bose Liquid

Dr B D Josephson/Cambridge

PHYSICS & GEOPHYSICS COLLOQUIUM

Monday 7 February
17.00
University of Bristol

Holography 1948 - 1971

Professor D Gabor FRS/Imperial College

ELEMENTARY PARTICLE PHYSICS SEMINAR

Tuesday 8 February
14.30
Nuclear Physics Lab Oxford

The Cornell Electron and Photon Conference - Part I

Dr G Myatt

BRITISH COMPUTER SOCIETY - READING BRANCH MEETING

Tuesday 8 February
19.45
University of Reading

Training and Education in Data Processing

Graham Morris/ICL

THEORETICAL PHYSICS SEMINAR

Wednesday 9 February
14.30
University of Manchester

Weak Interactions of Elementary Particles

Dr D Bailin/Sussex

IEE OXFORD BRANCH MEETING

Wednesday 9 February
19.00
SEB Woodstock Road Oxford

Industrial Application of Lasers

Dr I J Spalding/Culham Laboratory

ELEMENTARY PARTICLE PHYSICS SEMINAR

Thursday 10 February
15.00
University of Cambridge

Quantised Neural Nets and the Problem of Free Will

Professor J G Taylor/King's College London

ELEMENTARY PARTICLE PHYSICS SEMINAR

Friday 11 February
14.30
Clarendon Laboratory Oxford

A Renormalizable Model of Weak Interactions

R Delbourgo/Imperial College

EVENT AT AERE

THEORETICAL PHYSICS SEMINAR

Tuesday 9 February
14.00
Conference Room Building 8.9

Phase Transitions in Spin-phonon Coupled Systems

Dr R J Elliott/Oxford University

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

SOCIAL NEWS

CHESS TOURNAMENT 1971-72

An interesting phase of this season's tournament has been reached as after 7 rounds completed and 2 to go the leading positions are as follows:-

Bill Turner (the Champion)	-	6½ points
Peter Hemmings	-	6 points
Keith LePage	-	5½ points
Alan Gilby)	-	5 points
Bob Downs)		

The 8th round is crucial as it is the last chance for a big upset. In this round Alan Gilby plays Bill Turner and Peter Hemmings plays Keith Le Page. Peter and Keith have already played Bill Turner. SO - IF Alan beats Bill and Peter beats Keith, the lead could change hands. OR if Alan draws with Bill and Peter beats Keith, then Peter and Bill share first place - OR one bemused Editor gives up!

RECORD SOCIETY

Tuesday 8 February at 12.40 pm in the Lecture Theatre.

Tchaikovsky Symphony No 2 and A May Night - overture and Selections from Ivan the Terrible by Rimsky Korsakov, Played by the USSR Symphony Orchestra conducted by Yevgeny Svetlanob

DANCE NOTICE

For the dance on 18 February (tickets all sold), if there is sufficient demand a coach will be run from Didcot at a cost of 25p per head. Please ring Mrs Valerie Goodwin Ext 6154 as soon as possible.

Next Supper Dance - 24 March in the Restaurant - more details later.

CHRISTIAN FELLOWSHIP

Meryck Wyard will lead a Bible Study on the 2nd Book of Corinthians, chapter 3. The meeting commences at 12.30 pm and is to be held in the Conference Room, Building R12. All welcome to come along.

LABORATORY SOCCER NEWS

Owing to the bad weather and the state of the pitch, the presentation and Champions V Rest of League match, which was to have taken place this Friday 4 February, has been postponed for one week. Weather etc permitting the new date is Friday 11 February.