



R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
 (6,3), NACHT(48), XCEN(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(100,2),
 DY(100,2), JDX(4), JDY(4), IHS(4), IOV(2), IUN(2), IY(100,2),
 CF(16), IFS, NFS, FX, FY, JK, PTC, KPIC, NCOUNT, NBIN, MA, V, UN
 AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(100,2),
 MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NSX(20,3), X, Y, YA
 (20), BX(20), NST1(20), NST2(20), TNER(20), NSX(20,3), A(100,60)

12-19 March 1973

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ENGINEERING BOARD VISIT

Members of the Engineering Board of the SRC will visit the Laboratory on Tuesday 13 March. The party is due to arrive at 10.00 and following coffee will tour the Laboratory between 10.15 and 12.45 when they will be shown exhibits depicting various engineering aspects of the Laboratory's work. The tour will continue at 14.00 followed by a discussion period at 15.30 during which tea will be taken. The party is due to depart at 16.30.

RUTHERFORD LABORATORY LECTURE

'Travel in the Eighties', the title of the next lecture in the Rutherford Laboratory Lecture Series conjures up visions of high speed trains, jammed roads, public transport for city centres, larger airliners - and Concorde?

Mr B T Price, Director of Planning and Development at Vickers Ltd, formerly Chief Scientific Advisor to the Ministry of Transport will be the lecturer and the following is a summary of his talk:-

"In this talk, which brings up to date an address to the British Association Meeting in 1970, an attempt is made to see how both public and private transport might develop in the next 20 years, and to discuss how a scientific approach can help to solve the problems which now face us".

The lecture will be at 15.15 on Thursday 15 March, in the Lecture Theatre.

MODEL SPACECRAFT ON EXHIBITION

A quarter scale model of the Nimbus E spacecraft will be on exhibition in the entrance hall of Building R1 on Wednesday and Thursday, 14 & 15 March. Also on show will be the second flight model of the selective chopper radiometer now in operation in the spacecraft. The radiometer is still operating successfully on all its sixteen channels after 1200 orbits (3 months operation).

This exhibit is a repeat of that shown in January at the Royal Society as part of the celebrations to mark the quincentenary of the birth of Nicholas Copernicus.

NATIONAL SAFE DRIVING AWARDS

Once again it is our pleasure to announce the National Safe Driving Awards to the Laboratory drivers. These Royal Society awards are highly valued and the scheme attracts nearly 300,000 entries per year. The awards for 1972 go to:

Mr H Paterson	-	Bar to 15 Year Medal (for 16 years of accident free driving)
Mr E A Smith	-	10 Years Medal (for 10 consecutive years)
Mr A Hill	-	Bar to 5 Year Medal (for 9 consecutive years)
Mr R E Smith	-	Bar to 5 Year Medal (for 8 years)
Mr D Stock	-	Bar to 5 Year Medal (for 6 consecutive years)
Mr M Houston	-	Diploma (for 1 year)

SUGGESTIONS AWARDS

We reported in Bulletin No 7/73 on the large award made under the SRC Suggestion Award Scheme to David Parkinson. The complete list of awards has now become available and are as follows:-

Mr D J Harris, Engineering R9	- £10	Mr D Parkinson, Nimrod R2	- £90
Mr M Ryan, " R18	- £5	Mr C Thornber, " R25	- £5
Mr K J Wain, " R9	- £5	Mr J R Pattinson, " R3	- £5
Mr N Martindale, " R18	- £5	Mr F V Macavoy, " R3	- £5
Mr R E Johnson, " R7	- £10	Mr D Holland, " R2	- £10
" " R7	- £10	Mr N Goddard, " R55	- £10
Mr C Lambert, " R18	- £10	Mrs J C Gilling, Admin R20	- £5
" " R18	- £10	Mr H J Jones, Training	- £10
" " R18	- £5		

FILM BADGE NOTICE

It is Period 3. Colour Strip - BROWN for 8y films.
 Please check that you are wearing the correct films and that all old ones are returned.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 12 March
11.30
Lecture Theatre

Recent results in the 'R' Region from Bubble Chambers and Omega

Dr D H Miller/Purdue University and CERN

HEP DISCUSSION GROUP

Wednesday 14 March
11.00
Conference Room, Building R1

Non Diffractive Production of Meson Resonances

Dr A Hey/CERN

SEMINAR IN COMPUTING

Wednesday 14 March
14.00
Lecture Theatre

Getting the Best out of the ELECTRIC System

J W Burren, T G Pett and D B Scott/RHEL

This half-day course is designed to give those who have a working knowledge of ELECTRIC a better understanding of the many facilities available.

RUTHERFORD LABORATORY LECTURE

Thursday 15 March
15.15
Lecture Theatre

Transport in the Eighties

Mr B T Price/Vickers Ltd (see page 1 for details)

NIMROD LECTURE SERIES

Monday 19 March
11.30
Lecture Theatre

New Data on πN Charge Exchange Polarization

Professor A Yokasawa/A N L

SPECIAL NIMROD LECTURE

Tuesday 20 March
11.30
Lecture Theatre

Proton - Porton Interactions at N A L

Dr R A Carrigan/N A L

PROPOSAL LECTURES

Tuesday 20 March
14.15
Lecture Theatre

Proposal No 119: 'A Proposal to Study the $S = -2$ Baryon Resonances using a Rapid Cycling Hydrogen Bubble Chamber'
RUTHERFORD LABORATORY/OXFORD UNIVERSITY

The lecture will be given jointly by Dr C M Fisher/RHEL and Dr D Radojicic/Oxford University

Proposal No 121: 'A Proposal to Study 6 GeV/c $\pi^+ p$ Interactions using a Track Sensitive Target in the ANL 12 ft Chamber'
RUTHERFORD LABORATORY/ARGONNE NATIONAL LABORATORY

The lecture will be given by Dr W A Venus/RHEL

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EVENTS AT AERE

THEORETICAL PHYSICS SEMINAR

Tuesday 13 March
14.00
Conference Room, Building 8.9

Hopping Conductivity

Professor P N Butcher/University of Warwick

EXTERNAL EVENTS

**NUCLEAR STRUCTURE & NUCLEAR
ASTROPHYSICS SEMINAR**
Monday 12 March
14.30
Nuclear Physics Lab., Oxford

Nuclear Structure of ^{19}F and ^{20}Ne - Some Recent Calculations.
Dr D Strottman/Nuclear Physics Lab., Oxford

THEORETICAL PHYSICS SEMINAR
Monday 12 March
16.15
Queen Mary College, London

Superconductivity in One and Two Dimensions
Professor G Rickayzen/Kent

I E E DISTRICT MEETING
Monday 12 March
19.30
University of Reading

The Development of Digital Transmission Systems
Mr D C Masters/Post Office

DARESBUURY LECTURE SERIES
Tuesday 13 March
14.00
Daresbury Laboratory

Comparison of I S R and Cosmic Ray Data
A W Wolfendale/Durham

THEORETICAL PHYSICS SEMINAR
Tuesday 13 March
14.30
Imperial College London

Vector Meson Dominance in Gauge Theories
Dr K Fugikawa/Cambridge

THEORETICAL PHYSICS SEMINAR
Wednesday 14 March
14.30
University of Manchester

Pion - Nucleus Scattering at High Energies
Professor D F Jackson/Surrey

APPLIED PHYSICS COLLOQUIUM
Wednesday 14 March
16.30
University of Reading

Mineral Dating and Geochronology
R W Hardy

ATOMIC, LASER & PLASMA SEMINAR
Thursday 15 March
14.15
University of Sussex

Multi-Mirror Laser Cavities
Dr D G C Jones/Sussex

THEORETICAL PHYSICS SEMINAR
Thursday 15 March
14.30
Clarendon Laboratory, Oxford

The Present State of Anti-Matter Cosmology
Professor R Omnes/Orsay

APPLIED MATHS SEMINAR
Thursday 15 March
14.30
Royal Holloway College

e^-p Scattering at Many GeV and the Structure of the Proton
Dr K Blum/Strling University

I E E ELECTRONICS SEMINAR
Friday 16 March
10.30
I E E Savoy Place London

Solid State Microwave Amplifiers
(Attendance at Colloquium is by ticket)

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

MISSING EQUIPMENT

The following item of equipment has been reported missing from the R9 workshop:

Stopwatch. Serial No. 55/0038

Anyone with information on the present whereabouts of this item is asked to contact Mr A Wells on Ext 563.

FOUND

A sum of money has been found near Building R1. Enquiries should be made to Mrs S A Fones, Personnel R20, Ext 495.

OVERSEAS VISITS

Dr R J N Phillips and Dr D P Roy, to Meribel, France, 10 - 16 March, to attend the 'Rencontre de Moriond' meeting.

Mr J Penfold, to ILL Grenoble, 12 March for approximately 3 months, to work with ILL computer staff developing a P D P-11 operating system.

Dr L C W Hobbs, to ILL Grenoble, 13 - 16 March, to attend meeting of the Scientific Council and its sub-committees.

SOCIAL NEWS

SEVEN-A-SIDE SOCCER

LEAGUE FIXTURES

Week Beginning - 12 March

Tuesday 13 March - R25 v C A Division
Wednesday 14 March - Trans v G O
Thursday 15 March - Admin v 351
Friday 16 March - Casuals v Atlas

Sackcloth and ashes for the Editor!

The casuals are a home brewed team and not AERE as shown in last week's Bulletin

FOOTBALL LEAGUE TABLE - 7 MARCH

TEAMS	P	W	D	L	F	A	Pts
G.O.	2	2	0	0	13	2	4
351	2	2	0	0	4	1	4
Admin	2	1	1	0	6	2	3
R25	2	1	1	0	4	2	3
Casuals	1	1	0	0	3	2	2
Atlas	2	1	0	1	6	6	2
R9	3	1	0	2	4	5	2
R H G	2	1	0	1	4	5	2
Trans	2	0	1	1	4	5	1
C A Div	2	0	1	1	4	5	1
Apprentices	2	0	0	2	4	9	0
R55	2	0	0	2	1	12	0

SUPPER DANCE

All tickets have been sold for the Supper Dance on 16 March.

RECORD SOCIETY

Tuesday, 13 March, at 12.40 in the Lecture Theatre

'Button Up Brass' by Ray Davis and his Orchestra

A selection played by this popular orchestra including 'This Guys In Love'; 'Delilah'; 'By The Time You Get To Phoenix, etc.

CHRISTIAN FELLOWSHIP

John Thomas of R1 will be talking about the life and work of the Rev Walter Cradock, a Welsh Puritan Evangelist of the 17th Century. This is the first of a two-part talk and all are welcome to come along. The meeting commences at 12.30 in the Conference Room, Building R12.