



4-11 December 1972

news continued on page 4

INTERNAL EVENTS

SEMINAR IN COMPUTING

Friday 1 December
11.00
Conference Room, Building R12

The Work of the HEP Data Handling Group

R Rosner, D Maden, J Hutton

Please note - this is to be held in Building R12 and not R1 as stated in previous Bulletin.

NIMROD LECTURE SERIES

Monday 4 December
11.30
Lecture Theatre

Correlations in Inclusive Reactions

Dr M Jacob/CERN

METRICATION TRAINING

Tuesday 5 December
15.30
Lecture Theatre

The fifth showing of the introductory session on metrication

Full details were given in Bulletin No 37

HEP DISCUSSION GROUP

Wednesday 6 December
11.00
Conference Room, Building R1

Analytic Structure of Multi Regge Vertices

M B Green/Cavendish Laboratory, University of Cambridge

FILM SHOW

Wednesday 6 December
13.15
Thursday 7 December
12.40
Lecture Theatre

Under Control - a 22 minute colour film sponsored by the Science Research Council.

'Under Control' which uses both live action and animation starts by showing the components of a simple control loop. Then by examining the reactions of the driver of a car it demonstrates the problems posed by two or more interacting loops. Three principal university Control Engineering Groups from about twenty supported by SRC grants are featured; University of Manchester Institute of Science and Technology, Cambridge University and Imperial College, all working on different aspects of control engineering. Sir Brian Flowers sums up the Council's work in this field.

STAFF MEETING

Friday 8 December
14.15
Lecture Theatre

The Director will preside. Full details, including eligibility to attend, are given in Circular No 34/72.

NIMROD LECTURE SERIES

Monday 11 December
11.30
Lecture Theatre

Resonance Couplings and the Quark Model

Professor G Moorhouse/Glasgow University

NIMROD SCHEDULE

16 12.12.72 - 2.1.73

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^7	Studies of η ω and A2	Data

EXTERNAL EVENTS

NUCLEAR STRUCTURE SEMINAR
Monday 4 December
14.30
Nuclear Physics Lab., Oxford

Ultra-stability in Ge(Li) Spectrometers with Applications to DSAM Measurements

Professor A L Carter/Carleton and Nuclear Physics Laboratory Oxford

PHYSICS COLLOQUIUM
Monday 4 December
17.00
University of Reading

The Use of Computers in Optics

Mr J MacDonald

BRITISH NUCLEAR ENERGY SOCIETY
Monday 4 December
18.00
at Inst of Civil Engineers

The Evaluation of Research and Development

David Newby/Joint Programmes Analysis Unit (DTI and UKAEA) Chilton

NUCLEAR PHYSICS GROUP LECTURE
Wednesday 6 December
14.30
King's College

Radiation and Health Physics Problems of Nuclear Submarines

Dr S A Harbison/Royal Naval College

APPLIED PHYSICS COLLOQUIUM
Wednesday 6 December
16.30
University of Reading

Speculations on Man Management

B S Walker

IERE BRANCH MEETING
Wednesday 6 December
19.30
University of Reading

MEDIA: A Continuous Digital Process Control System

J R Halsall and I J Kirby/ICI Ltd

OXFORD SOCIETY FOR SOCIAL RESPONSIBILITY IN SCIENCE
Wednesday 6 December
20.15
Room C113, Psychology Bldg, Ox

Science and Oppression

Professor Steven Rose/Open University

THEORETICAL PHYSICS SEMINAR
Thursday 7 December
16.15
Clarendon Laboratory Oxford

Soft Modes and Phase Transitions

Dr R J Elliott

ELEMENTARY PARTICLE THEORY SEMINAR
Friday 8 December
14.15
Nuclear Physics Lab., Oxford

Short Distance Behaviour in the Thirring Model

Dr T L Trueman/Oxford

EVENTS AT AERE

NUCLEAR PHYSICS COLLOQUIUM
Thursday 7 December
15.30
Conference Room, Hangar 8

Proton Surgery

Dr C Whitehead/AERE

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

OVERSEAS VISITS

Dr B N Ratcliff, to CERN, 3 - 8 December, to continue work on Experiment S120.

Dr G Manning, to CERN, 5 - 6 December, to attend NPRC Meeting.

Messrs R T Elliott, P S Flower, H J Olive, J E Ellis and M T Glover, to CERN, 6 - 16 December, for full scale test of High Field Magnets for the Cambridge Σ Experiment.

SOCIAL NEWS

FOLK CLUB

Friday 1 December at 8 pm in the Coffee Lounge R22

PATCHWORK - A very good group well known to regular visitors to the club. They are very similar to the old Seekers.

Friday 8 December at 8 pm in the Coffee Lounge R22

STANLEY and KNOWLES - The best in traditional country music performed on banjo, guitar, autoharp and dulcimer by a highly talented group. Banjo instrumentals to set the feet tapping, old time melodies of the confederacy, and humour and showmanship from the country's top TV, Radio and recording twosome who have absorbed the content meaning and instrumental and vocal styles of the traditional. Tickets for this evening (8 Dec) are obtainable from Alan Bishop R2, Sue Watts R1, and Tony Royal R34 at 25p. At door 30p.

SIX-A-SIDE SOCCER

The final results for Table A are not to hand at time of going to press, these will be published next week plus a report on the draw for the final phase of the competition.

CHRISTIAN FELLOWSHIP

Friday 8 December. Captain Hiscock of the Salvation Army at Abingdon will be visiting the Laboratory at 12.30 pm in the Conference Room R12. All are welcome to come along.

Advance Notice The Rutherford Laboratory carol service this year will be held on Friday 15 in the Lecture Theatre led by the Rev E Atkins of Harwell Parish Church.

RECORD SOCIETY

Tuesday 5 December, at 12.40 pm in the Lecture Theatre

New World Symphony (No 9 in E Minor) - Zurich Tnhalle Orchestra with Josef Krips.

Dvorak's very popular symphony was composed in America during his first visit to that country. Contrary to general belief, he did not use American tunes but as he himself said, composed in their spirit. It is a very tuneful work with an exciting climax at the end of the final movement.

XMAS DANCE - RUSH COMMON HOUSE

There will be a Christmas Dance at Rush Common House, Abingdon on 8 December, 8 pm - 1 pm. Three groups, Capability Brown, Skint and Poot will provide the entertainment, there will also be a bar, open until 12.30 and food. Tickets at 60p from A Shave, R1, Ext 6642/6362 or I Bowden, R12, Ext 466.