

#### S.R.C SUGGESTION AWARD



On Friday 10 May at approximately 0930 Roger Childs and Ken Moye each became richer by £100. The photograph above shows Roger and Ken with Dr J Howlett, the Director of the Atlas Computer Laboratory shortly after presenting them with the award. In making the presentation Dr Howlett commented particularly on two features of this suggestion. The first was that, like all really good ideas, it was very simple. The second was, whilst concerned with something which might seem rather ordinary - printer ribbons - it had been of crucial importance in the starting-up of the computing service on the 1906A machine. The Laboratory was threatened with a breakdown in supplies and without printer ribbons it would not have been possible to produce printed output. The suggestion also showed a very nice collaboration between the administrative and technical sides of the Laboratory; and as a final demonstration of initiative and enterprise, Ken Moye had made the adapter himself.

#### NATIONAL SAVINGS CERTIFICATES

Weekly Cycle 10 - Certificates will be available for collection from the Cash Office R during normal Cash Office hours from Wednesday 29 May 1974. New members wishing to join the Scheme can obtain enrolment forms from the Cash Office. Forms should be returned no later than 31 May 1974 in order to be included in Cycle 11.

#### MISSING EQUIPMENT

The following items are missing from R2 Electrical Workshop.

Dyno-tape Embossing Machine;  $\frac{1}{4}$ " Electric Drill SRC No. 14/1992 AERE No. 12604; Wee Megg Tester Serial No. 1622068; Model 7 Avometer Serial No. 16232-4-650. Any person having these in their possession will they return them immediately to or notify G J Hackett, ext. 322.

A five decade Muirhead Voltage Divider LP 1511 is missing from R36. Will anyone with information of its whereabouts please contact R Downs, ext. 6656/6107.

Missing from  $\pi$ 9 L.C.R a red two tier tool box, locked and full of tools, approximate value £100, removed during weekend 16/17 February 1974. Anyone with information of the whereabouts of this please contact M W Tyrrell or J Hoskins, ext. 6362.

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# INTERNAL EVENTS

## HEP SEMINAR

Wednesday 29 May  
11.00  
Lecture Theatre

"Is Tensor Exchange Peripheral"

*Dr F E Elvekjaer/CERN*

## APPLIED PHYSICS/HEP SPECIAL LECTURE

Wednesday 29 May  
14.00  
Lecture Theatre

"The SLAC Hybrid Bubble Chamber and Streamer Chamber"

*Dr A Rogers/SLAC*

Program: a. The 15" Rapid Cycling Chamber use in hybrid experiments  
b. The 2 metre Streamer Chamber program.  
c. The 40" Chamber hybrid facility

The physics program for each system will be discussed and a general comparison made of hybrid systems.

## NIMROD LECTURE SERIES

Thursday 30 May  
11.30  
Lecture Theatre

"Inclusive Lepton Production by 300 GeV Protons".

*Dr D H Saxon/Rutherford Laboratory*

## NIMROD LECTURE SERIES

Monday 3 June  
11.30  
Lecture Theatre

"Second Class Currents".

*Prof D H Wilkinson FRS/Oxford*

## HEP SEMINAR

Thursday 6 June  
11.00  
Lecture Theatre

"Analysis of High Mass  $K^+K^-$  from  $K^+p$  Interactions at 7 GeV/c

*S D Protopopescu/Brookhaven*

## SEMINAR IN COMPUTING

Friday 7 June  
11.00  
R12 Conference Room

"Progress with HPD Machines at the Rutherford Laboratory".

*R A Lawes/Rutherford Laboratory*

The current progress with HPD1 and HPD2 measuring systems will be reviewed. Some problems with film from BEBC will also be discussed. Seminar series are being started by the computer groups at both AERE Harwell and the Daresbury Laboratory. Where possible we will include in this notice details of their meetings.

AERE Friday 31st May 10.30 am 7.12 Conference Room  
Phil Bagwell of DEC will give a presentation on the RT11 and RSX-11M Operating Systems for the PDP-11 range of computers.

Daresbury Wednesday 5th June 2.30 pm Lecture Theatre  
"An overview of the Daresbury Computer System" by H C Kirkman.

Daresbury Wednesday 3rd July 2.30 pm Lecture Theatre  
"Hardware aspects of the Daresbury Computer Network" by A C Peatfield.

## NIMROD LECTURE SERIES

Monday 10 June  
11.30  
Lecture Theatre

"Polarisation Measurements in Pseudo Scalar Meson Photoproduction".

*Dr W H Range/Liverpool*

## EXTERNAL EVENTS

### OXFORD UNIVERSITY

LOW TEMPERATURE & SOLID STATE PHYSICS SEMINARS/CLARENDON LAB - 14.30 hours

30 May: "Hyperfine Interactions in Heavy Rare Earth Alloys".

Dr M A H McCausland/Manchester.

13 June: "Spectroscopy in Magnetic & Elastic Bands" - Dr A Leask.

COLLOQUIA/CLARENDON LAB - 16.15 hours

31 May: "Excitron Dynamics" - Dr R M Macfarlane/IBM Research Lab, San Jose.

7 June: "Physics Education in American Universities" -

Dr A B Arons/Univ. of Washington.

14 June: "Physics I have Known" - Prof. Sir R E Peiris/Dept of Theoretical Physics.

ELEMENTARY PARTICLE THEORY SEMINARS/NP LAB - 14.30 hours

31 May: "Hadron Processes at Large Momentum" - Prof S J Brodsky/SLAC.

ELEMENTARY PARTICLE PHYSICS SEMINAR/NP LAB - 14.30 hours

30 May: "Recent ISR Results on  $\pi^0$  Productional High Traverse Momentum" -

Dr B G Pope/Cern.

6 June: "The Study of Mesons Near Threshold" - Dr D Binnie/Imp. College.

### DARESBUURY LABORATORY

DARESBUURY LECTURE SERIES - 14.00 hours

30 May: "Phenomenology of  $\pi^-p \rightarrow \pi^- \pi^+ n$ " - Dr A D Martin/Durham.

4 June: "e<sup>+</sup>e<sup>-</sup> Physics - Present and Future" - Dr G A Ringland/Rutherford Lab.

11 June: "Pion Electroproduction at Threshold" - Dr P R Norton/D.L.

DARESBUURY THEORETICAL PHYSICS SEMINAR - 14.00 hours

3 June: "Symmetry in Art and Science" - Prof. M. Hamermesh/Univ. of Minnesota.

10 June: "Massless Quarks" - Dr R L Heimann/Cavendish Lab.

### SUSSEX UNIVERSITY

THEORETICAL & HIGH ENERGY PHYSICS SEMINARS - 14.30 hours

31 May: "Hadron Spectroscopy, With Particular Emphasis on Experiments at Imperial College" - Prof. I Butterworth.

NUCLEAR & ELEMENTARY PARTICLE PHYSICS SEMINARS - 14.15 hours

3 June: "Approach to Asymptopia in Electron Positron Annihilation Into Hadrons" - Dr D K Choudhury/Oxford.

## NIMROD SCHEDULE

CYCLE 3 28.5.74 - 8.6.74

### MACHINE PHYSICS

### HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
CERN/ORSAY/OXFORD	P81	Hadron-Proton Spin	Data
RUTHERFORD LABORATORY	$\pi^+1$	Beam Measurements	Setting up
IMPERIAL COLLEGE/RL	$\pi^+8A$	Experiments on Narrow Bosons $X^0$ (958) S* and Cross-Section Measurements	Setting up
BRISTOL/RL	K15A	$K^-p$ Differential Cross-Sections	Setting up
COUNTER GROUP B/ CAMBRIDGE UNIVERSITY	$\pi^+12$	$\pi^-p \rightarrow K^0 \Lambda^0$ in the Range 1.4 - 2.0 GeV/c	Setting up
RUTHERFORD LABORATORY	$\pi^+9$	Polarisation in $\pi^-p \rightarrow \pi^0 n, \eta n$	Setting up
BIRMINGHAM/SURREY/ RL	K17	Stopping Kaons	Setting up
OXFORD - ISIS	P71	Chamber Tests	Setting up

RUTHERFORD LABORATORY BULLETIN

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Editor: H F NORRIS

Deadline  
for  
Insertions

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Tuesday 1600

Wednesday 1200

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

#### MISSING EQUIPMENT

HP35 Calculator, Serial No 13742 removed from Room 1-19 R1 on 14 May 1974. Would anyone knowing of its whereabouts please Inform G Gallagher-Daggitt Ext 276/288.

One Gents Cycle, removed from Hall 3, North Gate No 6, Serial No 5315, AERE No 426 and marked W M Evans in white paint on the rear mudguard. Anyone with information about this cycle please Inform J Hoskins Ext 6362.

#### SHORT COURSES IN MECHANICAL ENGINEERING

The City University offers short post-experience courses in 1974-76 in:-

- A. Manufacturing Technology
- B. Mechanics and Materials
- C. Thermodynamics and Fluid Mechanics

Further information from Training Section Ext 266.

#### METRIC 'O' RINGS

A Memorandum has been issued by Standards Section to all design staff in Research Group and the Rutherford Laboratory giving design information on metric 'O' rings which are now in RG Stores. Dimensions of metric grooves are given in TDS 23/4. Both the Memorandum and the Technical Data Sheet are available, on request, from Standards Section, Room G.08, Building 424, Harwell. Ext 2125.

#### FILM BADGE NOTICE

Period 6 commenced Monday 20 May 1974. Colour Strip RED for B<sub>y</sub> films and neutron packs. Please check that you are wearing the correct dosimeters and all old ones are returned. 6 monthly TLD change for all people with surnames commencing U, V, W and X.

#### SPRING HOLIDAY POSTAL ARRANGEMENTS

The last delivery of mail for the Post Office at Didcot will leave the Post Room at the Atlas Laboratory on Friday 24 May at 16.00 hours. Mail arriving in the Post Room after this time will not be taken to the Post Office until Wednesday 29 May.

#### OVERSEAS VISITS

Mr H O Normington to CERN 27 May - 1 June, to work on S120 experiment.

Dr G H Stafford to CERN 29 May, to attend discussions.

Dr N H Lipman to CERN, 3-5 June, to attend Neutrons Collaboration Meeting.

Dr R G Roberts to Leipzig 3-10 June, and Dr R D Peccei 4-10 June, to attend Symposium on Hadron Dynamics.

Professor W D Allen to USA 5-11 June, to attend the Fifth "Cambridge" Conference on Relativity, MIT Cambridge and to visit Dr Garwin, IBM Research Centre York Town, New York.

## SOCIAL NEWS

#### CHRISTIAN FELLOWSHIP

May 31st - During the latter part of May and early June a 'Good News Crusade' is being conducted in Didcot in a 500 seat tent. Already posters have appeared and leaflets delivered in the surrounding district. A member of the 'Good News' team, which is based in Cornwall, will be visiting the Laboratory at 12.30 pm in the R12 Conference Room when all are cordially invited to come and meet him and ask questions on the aims and purposes of the Crusade.

June 7th - All are welcome to join in a time of prayer led by Dr B Meardon of Building R35 in the R12 Conference Room at 12.30 pm.