



Rutherford  
Laboratory

R(12), NDT(60,3), TSW(3500), ANGLE(60), YINT(60), DUMMY(84),  
(6,3), NACHT(48), 27 March - 17 April 1972  
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), IDY(100,2), JDX(4), JDY(4), PHS(4), IDV(2), IUN(2), IDE(2), CF(16), IFS, NFS, FX, FY, JK, PTC, KPIC, NCOUNT, NBIN, MAXD, AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(2), MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NSX(20,30), YAC(50), A  
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), LAW(60)  
bulletin 13

#### SITE EMERGENCY

Sounding of the Site Emergency Klaxons for Test Purposes.

- 1 The klaxons will be sounded for a reliability test at 10.00 a m on Tuesday 4 April 1972. The sounding sequence will be:

All clear - an uninterrupted note for	10 seconds
Silence for	10 seconds
Warning - a rising and falling note for	30 seconds
Silence for	10 seconds
All clear - an uninterrupted note for	10 seconds

1 minute 10 seconds

- 2 Notice boards announcing the sounding will be posted at the main entrance to the Site from 7.00 a m on Tuesday 4 April 1972, until after the test has been completed.
- 3 Building Wardens are asked to report on the audibility and efficiency of the klaxons to Mr A J Jefferies Room 2.77 Building RI (extension 258).

#### FILM BADGE NOTICE

It is Period 4. Colour strip RED for  $\beta\gamma$  films and fast neutron packs. Please check you are wearing the correct dosimeter and that old ones are returned.  
Next Film Issue - Monday 17 April 1972.

#### MISSING EQUIPMENT

Electric Kettle AERE No 2141Q1. Anyone with information on the present whereabouts of this kettle is asked to contact Mr E J D Newbold Building R20 Ext 570.

Tektronix plug-in unit Type CA Serial No 105320 (Loan Pool No 1429) - last known location Kil Local Control Room during 1969-70. Anyone with information on the present whereabouts of this instrument is asked to contact Mr D C Salter Building RI Ext 592.

#### BULLETIN NOTICE

This Bulletin will cover a period of three weeks. This is due to the Easter break followed by a large International Conference at St Catherines' College Oxford on 5 - 7 April at which the Scientific Administration Group will be in attendance.

#### FOUND

A sweater has been found in the Blue Car Park. The owner should contact Mr J Marshall Building RI Ext 6693.

#### OVERSEAS VISITS

Dr Bianca Conforto, to Chexbres 26 - 29 March, to attend a Symposium on Anti-proton Annihilation and to CERN, 30 March - 1 April for discussions.

Mr W M Evans to CERN 26 - 30 March for discussions on proportional chamber construction and techniques.



## INTERNAL EVENTS

### NIMROD LECTURE SERIES

Monday 27 March  
11.30  
Lecture Theatre

"Reactions  $e^+ + e^- \rightarrow$  hadrons, leptons. Recent results and future perspectives.

*Professor G Salvini/Frascati*

### SPECIAL SEMINAR

Thursday 30 March  
2 p m  
Conference Room Building RI

"Quality Considerations in Inclusive Reactions"

*Dr P Frampton/CERN*

### FILM SHOWS

Wednesday 5 April  
13.15  
Thursday 6 April  
12.40  
Lecture Theatre  
and  
Wednesday 12 April  
12.40  
Thursday 13 April  
13.15  
Lecture Theatre

'Going Metric'

'The Rainbow Verdict' - a 21 minute colour GPO film which deals with the very careful assessment of the colours of different values of stamps, with particular reference to letter sorting, especially in regard to first and second class postage.

## NIMROD SCHEDULE

CYCLE 4 4.4.72 - 25.4.72

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
Cambridge University RHEL	K13C	Associated Production Cross Sections	Setting up
Imperial College Southampton University	$\pi^7$	Studies of $\eta$ $\omega$ and $A_2$	Setting up
Glasgow University RHEL	$\pi^9, N_4$	Polarisation Measurements in $\pi^- p$ Charge Exchange	Setting up
Bristol University Southampton University RHEL	K15	$K^+ p$ and $\pi^+ p$ Differential Cross-Sections	Data
Westfield College RHEL	$\pi^8$	Neutron Counter Tests for $\Omega$ Project	Setting up
Oxford University	P71 K10S	Cherenkov Counter Tests for NAL Experiment Study of Neutral States in $K^- p$ reactions	Setting up Data



## EXTERNAL EVENTS

### EVENT AT AERE

NUCLEAR PHYSICS SPECIAL  
LECTURE  
Wednesday 29 March  
3.30 p m  
Conference Room, Hangar 8

"ORELA neutron capture and stellar nucleosynthesis"

*Dr B J Allen (Oak Ridge and Lucas Heights)*

## STOP PRESS

### FOLK CLUB

The next club meeting will be on GOOD FRIDAY in R22 Coffee Lounge, when the guest artists will be "THE DROVERS". This is a group of two boys and one girl who sing and play traditional accompanied and unaccompanied folk music. The guitar, fiddle, concertina, mandolin and spoons are some of the many instruments they play. This should prove to be a good night for ALL the family. Candles lit at 8 p m.

Appearing shortly:

April 7 Paul Weaving - contemporary guitarist  
April 14 'Oak' - accompanied traditional group  
April 21 The "Songwainers" - unaccompanied traditional group  
April 28 Rosie Hardman - 'A night to remember'

Tickets for the Rosie Hardman concert will be available after Easter in R32 Coffee Lounge - price 25p. It is suggested that you buy your tickets early for this concert as only a limited number will be on sale. .

RUTHERFORD LABORATORY BULLETIN

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*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

pmr



## SOCIAL NEWS

### SEVEN-A-SIDE SOCCER

Hall 3 V Transport - Tuesday 21 March 1972.

Whatever might be said about this opening game of the League programme there was no lack of goals and effort. Transport were a very workmanlike side and it was no surprise when they went ahead after only three minutes, with two more goals following in quick succession which gave Transport a lead 3 - 0 by half-time. Hall 3, despite the final result, played better than they have done for some time past. Bob Blowfield played no small part in this both as a captain and a defender who conceded very little in the air and on the ground. Their goal keeper Derek Hill also had a good game, his height had a decisive effect on more than one occasion. One of the best taken goals of the match was scored by Eddie Smith (Transport) from a corner, meeting the ball literally head-on giving Derek Hill no chance.

Ray Smith, in goal for Transport, was always safe, the two goals that were conceded were due to a lack of defensive covering.

Conclusion: This Transport side will finish in the top three by June 16th. Don't be deceived by Hall 3, they have the nucleus of a good side in the making.

Final Result	Hall 3 - 2	Transport 5
	(J Bowden 1)	(E Smith 2)
	(B Belcher 1)	(P Burton 2)
		(R Gillespie 1)

### Football League Programme

<u>Teams</u>	<u>Day</u>	<u>Line Judges</u>
Stores V D O	Tues 28 March	Atlas and Transport
R18 V R25	Thur 6 April	Stores and D O
Atlas V Transport	Fri 7 April	R 25 and Hall 3
R9 V Stores	Tues 11 April	R 18 and D O
Hall 3 V R 18	Fri 14 April	Stores and Atlas
D O V R 25	Tues 18 April	Hall 3 and Transport
Transport V R 9	Fri 21 April	D O and R 25
Stores V Atlas	Mon 24 April	R 18 and R 9
R18 V D O	Fri 28 April	Stores and Transport

### CHRISTIAN FELLOWSHIP

In R12 Conference Room at 12.30 p.m.

Friday April 7 Prayer meeting  
 Friday April 14 Visiting Speaker  
 Friday April 21 Corinthians 6

For further information please contact Mr E Newbold Building R20.

### EASTER BALL

Easter Ball at Rush Common House - Friday 24 March - 8 p.m. - 1 a.m.

This is your last chance to buy tickets for this great event - live group, band, disco, bar. Hot food will be available.

Tickets - only 50p from W Seddon R2 Ext 6230 or T Willard R1 Ext 213.