



Rutherford  
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),  
(6,3), NACHT(48), XCEN(12), CHAT(12), CHAT(12), CHAT(12), CHAT(12),  
MMON/CFID/MFX(20,3), MEY(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(100,3), IDY(1  
DY(100,2), JDY(4), JDX(4), IHS(4), IOV(2), IUN(2), ID  
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MAX, IN  
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF  
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NST(20), XN(20), A  
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), AW(180

18-25 September 1972

bulletin 30

#### ROAD WORKS

During Saturday and Sunday, 16 and 17 September, a telephone duct will be laid across the junction Fermi Avenue/Library Avenue/Perimeter Road, (formerly the "Strawbales Junction"). The junction will be negotiable at all times, but vehicles may be diverted from their normal side of the traffic island, and drivers should proceed with caution.

#### FOUND

Treasury notes have been found recently in the Main Stores and Experimental Halls areas. Please contact Mr D Williams, Personnel Group, Ext 495, if you believe them to be yours.

#### BLOOD DONOR CLINIC

The next clinic on Monday and Tuesday, 25 and 26 September, will be held in the Director's Conference Suite, Building R1, between the hours of 10.00 - 12.00 and 13.00 - 15.00 daily.

The response to the appeal in the Bulletin in March this year resulted in an attendance of over 200 people, more than doubling the previous best. Even more donors are required so why not come along and support this worthy cause - and free tea and biscuits!

There is plenty of time to sign on for this clinic - even come along on one of the two days. Still undecided? - well why not give Mrs P Shipley a ring on extension 441 or if you are in Building R12 at any time, go and talk to her.

#### FILM BADGE NOTICE

It is Period 10. Colour Strip - RED for  $\beta\gamma$  and fast neutron packs. Please check that you are wearing the correct dosimeters and that all old ones are returned.

#### OVERSEAS VISITS

Dr E S Groves, Dr J Guy and Mr J C Hart, to Yugoslavia, 16 September - 2 October approximately, to attend International School of Elementary Particle Physics at Bvko Polje.

Dr W A Smith and Mr J C Kerr, to Strasburg, France, 19 - 22 September, to attend 8th European Seminar of The Digital Equipment Computer Users Society and to present papers at the Seminar.

The following will be attending the ECFA Study Week on the 300 GeV CERN Accelerator at Tirrenia, Italy, on the dates shown:-

Dr P F Smith, 19 - 29 September  
Dr D B Jones, 19 September - 1 October  
Dr C M Fisher, 19 - 30 September  
Dr D J Miller, 19 - 30 September  
Dr R M Brown, 19 - 29 September  
Dr J J Thresher, 19 - 30 September

The following will be attending the Fourth International Conference on Magnet Technology at BNL, New York, USA on the dates shown:-

Dr D B Thomas, 17 - 23 September  
Dr J H Coupland, 17 - 23 September  
Mr C W Trowbridge, 17 - 23 September  
Mr S V Stovold, 18 - 27 September (also to Cryogenic Tech Co Massachusetts)



## INTERNAL EVENTS

NIMROD LECTURE SERIES  
Monday 18 September  
11.30  
Conference Room, Building RI

Two Body Final States from 14 GeV  $K^-p$   
*Dr R J Miller/RHEL*

HEP DISCUSSION GROUP  
Wednesday 20 September  
11.00  
Conference Room, Building RI

Introduction to the Light Cone  
*Dr A Hey/Cal Tech and CERN*

NIMROD LECTURE SERIES  
Monday 25 September  
11.30  
Lecture Theatre

A Dual Model of Inclusive Reactions  
*Prof G Veneziano/CERN*

Please note the return to the Lecture Theatre for the Nimrod Lecture on 25 September and subsequent lectures in this series until further notice.

## NIMROD SCHEDULE

CYCLE 12 19 9 72 - 10 10 72

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
Glasgow University RHEL	$\pi^9, N4$	Polarisation Measurements in $\pi^-p$ Charge Exchange	Setting up
Bristol University Southampton University RHEL	K15	$K^+p$ and $\pi^+p$ Differential Cross-Sections	Data
Churchill Hospital Oxford RHEL	$\pi 11$	Radiobiological Experiment	Data
Cambridge University RHEL	K13C	Associated Production Cross-Sections	Parasitic



## EXTERNAL EVENTS

### SOME FORTHCOMING CONFERENCES

- 19 - 23 September: International Symposium on Present Status and Novel Developments in the Nuclear Many-Body Problem - Rome, Italy
- 19 - 22 September: 4th International Conference on Magnet Technology - Brookhaven, USA
- 20 - 29 September: ECFA Study Week on the 300 GeV Accelerator - Tirrenia, Italy
- 25 - 29 September: International Conference on Variational Methods in Engineering - Southampton
- 12 October : Conference on Nuclear Stability and the Superheavy Elements - London
- 16 - 21 October : 3rd International Nuclear Industries Fair and Technical Meetings - Switzerland
- 24 - 26 October : Conference on Computers - Systems and Technology - London
- 25 - 28 October : Conference on Multiply-Charged Heavy-Ion Sources and Accelerating Systems - Gatlingburg, USA
- 8 November : Conference on Reliability Physics of Electronic Components - London

### SOME FORTHCOMING EXHIBITIONS IN LONDON

- 19 - 21 September: Laboratory Equipment Exhibition (LABWARE) - Bloomsbury Centre Hotel
- 26 - 28 September: Computer Peripheral Exhibition and Conference - Seymour Hall
- 9 - 13 October : Boat Building Exhibition - Olympia
- 18 - 28 October : International Motor Exhibition - Earls Court
- 23 - 28 October : International Audio Festival and Fair - Olympia
- 30 October - 4 November: British Philatelic Exhibition - Seymour Hall
- 8 - 18 November : International Caravan and Camping Show - Earls Court
- 8 - 18 November : International Cycle and Motor Cycle Show - Earls Court
- 4 - 8 December : International Computer and Peripheral Exhibition - Olympia
- 5 - 8 December : International Safety Exhibition - Olympia

## STOP PRESS

### UNCLAIMED MAIL

A letter addressed to Dr C C Kim can be obtained from the Editor.

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



## SOCIAL NEWS

### RUTHERFORD AND ATLAS CHESS CHAMPIONSHIP 1972-73

The annual championship will be starting the week beginning 2 October 1972. It will be played as usual during lunch times and will take the form of a Swiss Tournament. That is - it caters for players of all levels, so don't be frightened to enter if you want to improve your chess.

You have two weeks to arrange and play each round so there is no rush. There will be nine rounds in the tournament.

Thirty players usually take part but there must be many more chess players at the two Laboratories. What about the computer sections, and Atlas - only one player entered from these sections last year!!

Names should be sent in by 27 September at the latest and the sooner the better, to Pete Craske Ext 232, Building R2. It will cost you 10p for approximately twenty weeks of chess.

In addition the Laboratory Chess Club is arranging matches against other chess clubs in the district.

### SEVEN-A-SIDE SOCCER

All the games to be played in the Rutherford Seven-A-Side Football Challenge Shield competition will be advertised in advance in this Bulletin as will League Tables. For the forthcoming week the following matches have been arranged:-

Tuesday 19 September - Transport v Stores

Wednesday 20 September - Hall 3 v AERE Group Office

Thursday 21 September - Drawing Office v Transport

Friday 22 September - Atlas v Hall 3

### RUTHERFORD FOLK CLUB

Friday 15 September at 8 pm in the Coffee Lounge R22

"The Shambles"

Traditional Folk duo; both boys play various instruments and sing well known and original songs. All welcome and bring your friends. Licensed to 11 pm.

### RECORD SOCIETY

The Record Society hope to start weekly recitals in October. Anyone who is interested in helping to choose the programmes, which cover a wide range of musical taste, is invited to the first selection meeting on Tuesday 19 September from 12.30 - 13.30 hrs, in Building R20 Room 60. For further information please contact Dorothea Squier Ext 405 or Bob Roberts Ext 6323.

### AERE HORTICULTURAL SOCIETY

The winter programme of evening lectures opens on Tuesday 3 October at 7.30 pm in the Rutherford Laboratory Lecture Theatre with a talk by Mr O J Clayton, Superintendent of the Floral Department at Wisley.

### CHRISTIAN FELLOWSHIP

Friday 22 September, at 12.30 pm in the R12 Conference Room.

2 Corinthians Chapter 12 includes the well known verse "My grace is sufficient for thee; for my strength is made perfect in weakness". Mike Campbell will be leading a study on this chapter. All are welcome to join in.

Advance Notice John Matthews who recently left the Laboratory has just returned from the Olympic Games in Munich travelling there by a double decker bus. He will shortly be visiting the Laboratory (early October) and all are welcome to come and listen to him.