



Rutherford  
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),  
(6,3), NACHT(48), XCEN(12), YCFN(12), ARS(12), TCR(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), IDX(1  
DY(100,2), JDY(4), JDX(4), IHS(4), IQV(2), IUN(2), (10,1), IDE  
CF(16), IFS, NFS, FX, FY, JK, PIC, KPTC, NCOUNT, NB IN, MA IV, XUN  
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(20,3), Y  
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), A(10), YA  
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), AN(60)

3-17 July 1972

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#### SITE EMERGENCY

Recognition Test Sounding of the Site Emergency Klaxons.

- 1 The klaxons will be sounded for a recognition test at 1000 hours on Tuesday 4 July 1972.
- 2 Notice boards announcing the sounding will be posted at all entrances to the Site from mid-day Monday 3 July 1972, until after the test has been completed.
- 3 Any defective klaxons which may be noticed during the test should be reported to Mr A J Jefferies Ext 258.

#### ADMINISTRATION DIVISION CHANGES

Claims and Travel Section - Mr Jack Wheeler is moving to the Atlas Computer Laboratory on 3 July 1972. As from this date the supervision of the Claims and Travel Section will be taken over by Miss Anne Curran who is transferring from Finance and Accounts Group. Mrs June Scholes who has been responsible for travel arrangements has also been moved, to C & A Division and her post has been taken by Miss Audrey Robertson. The location of the Section (Room 70, Building R20) and telephone numbers (Claims, Ext 585; Travel 575) remain unchanged.

#### RUTHERFORD LABORATORY LECTURE

On Thursday 13 July at 1515 hours, in the Rutherford Laboratory Lecture Theatre, Mr M D J Isaacs, Deputy Director of the Home Counties Forensic Science Laboratory, Aldermaston, will talk on the work of his Laboratory.

SUMMARY - The Home Office Forensic Science Laboratories provide a service to the police in the scientific examination of materials arising from crime, and present scientific evidence in courts of law. The service additionally has a Research Establishment which studies new developments in methods and equipment, and evaluates these for possible use in the regional laboratories.

#### UNDELIVERED MAIL

A postal package, addressed to Dr L Dick, Rutherford Laboratory, containing booklets "On magnetic-thermal breakdown in superconducting rf cavities" and "On real nobium surfaces for superconducting rf cavities" can be obtained from the Editor.

#### FSSU REPORT

Copies of the FSSU Secretarial Report and Accounts 1971 together with the last declaration of bonuses of the FSSU companies are held in the R L Library. Anyone wishing to read them should ask at the Library counter.

#### FILM BADGE NOTICE

It is Period 7 Colour Strip PURPLE for B<sub>y</sub> films and fast neutron packs. Please check that you are wearing the correct dosimeters. Period 8 commences Monday 10 July.

#### MORE SPACE IN R20 LIBRARY

Reallocation of accommodation in R20 has made it possible to rearrange the Library so as to provide worktables for about 12 more readers and to improve the shelf layout.

Books are now housed in an annexe to the existing Reading Room; a sign, visible to all but the most myopic, points to the new location. Loan and reference copies are now shelved separately, and readers are reminded that books marked REF on the spine may not be removed from the Library. This separation is in line with the practice at CERN. The Library Staff would welcome comments on the new arrangement.

Reports, preprints, etc., are housed as previously in the lateral filing cabinets in order of report code number. Documents removed by readers should be left for the Library Staff to replace, since misfiling virtually loses the item. Periodicals are shelved alphabetically by title, abstract journals being segregated in the first bay. Bound volumes of periodicals may not be removed from the Library.



# INTERNAL EVENTS

SUMMER SCHOOL FOR  
EXPERIMENTALISTS  
3-14 July  
09.30 - 1515  
Lecture Theatre

Summer School Students will have lectures daily 3 - 7 and 10 - 14 July inclusive

HEP DISCUSSION GROUP  
Wednesday 5 July  
11.00  
Conference Room R1

Lagrangian Theory for Strongly Interacting Particles  
*K Bardakci/University of California and Cambridge*

NIMROD LECTURE SERIES  
Thursday 6 July  
11.30  
Main Conference Room R1

Bio-medical application of Xenon Filled Wire Chambers  
*Professor V Periz-Mendez/Berkeley*

Monday 10 July  
11.30  
Main Conference Room R1

Dual Resonance Models  
*Dr D Olive/CERN*

Friday 14 July  
11.30  
Main Conference Room R1

How we should view Diffractive Scattering  
*Professor G Kane/RHEL and Michigan*

RUTHERFORD LABORATORY LECTURE  
Thursday 13 July  
15.15  
Lecture Theatre

Talk on the work of the Home Counties Forensic Science Laboratory  
*Mr M D J Isaacs*  
(See page 1 for details)

SEMINARS IN COMPUTING  
Friday 14 July  
11.00  
Conference Room R12

Compiler Design and Techniques  
*A Stormer*

Compilers are well understood 'problem programs'. The techniques developed specifically for them have wider applications.

NIMROD LECTURE SERIES  
Monday 24 July  
11.30  
Lecture Theatre

In Stradivarius Footsteps  
*Professor W G Fry/University of Wisconsin*



## OVERSEAS VISITS

Dr G H Stafford & Mr A P Banford to Paris 2 - 3 July, to attend meeting of Conference Committee of European Physical Society. Mr D A Gray, Dr D B Thomas and Mr N M King to CERN, 3 - 4 July, to attend meeting of 300 GeV Advisory Committee. Dr A G Clark to Scicily 4 - 29 July to attend Summer School in Erica. Dr G Manning to CERN 4 - 5 July, to attend NRRC Meeting. Messrs S C Maskell and M T Jeffs to CERN 4 - 7 July for commissioning of ISR Experiment. Mr H O Normington to CERN 5 - 12 July, for installation work on p p Experiment. Dr C J S Damerell to CERN 9 - 14 July, to work on S120 Experiment. Dr R J N Phillips to Scicily 10 - 21 July, to give lectures at Summer School, Erica.

## CHRISTIAN FELLOWSHIP

Friday 7 July. All are welcome to attend the fellowship for a time of prayer and intercession. We meet at 12.30 p m in the R12 Conference Room and the meeting will be led by Denis Williams of Personnel Group.

Friday 14 July. "Thanks be unto God for His unspeakable gift". So ends 2 Corinthians, Chapter 9. Frank Smith of Accounts Section will be leading a Bible Study on this chapter and all are welcome to come along. The meeting commences at 12.30 p m in R12 Conference Room.

## EXTERNAL EVENTS

### ELEMENTARY PARTICLE THEORY SEMINAR

Friday 30 June  
14.30  
Old Library, Nuclear Physics Building

The  $\Delta I = \frac{3}{2}, \frac{5}{2}$  parts of the  $K \rightarrow 2\pi$  decay amplitudes

### IEE INTERNATIONAL CONFERENCE

25-27 July 1972

Advances in Marine Navigational Aids.

Application for programme details and registration forms should be made to the Conference Department, IEE, Savoy Place, London WC2R 0BL.

RUTHERFORD LABORATORY BULLETIN

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Acting Editor: F HARDEN

Deadline  
for  
Insertions

GENERAL & SOCIAL NEWS

Tuesday 1600

INTERNAL & EXTERNAL EVENTS

Wednesday 1200

Room 40 Building R20  
Rutherford Laboratory  
Chilton Didcot Berks  
Abingdon 1900 Ext 6114

pmr



## SOCIAL NEWS

SRC SPORTS DAY 19 JUNE 1972

145 participants and spectators from Rutherford and Atlas Laboratories attended this years sports day.

### RESULTS

#### CRICKET (20 Overs per innings)

1st ROUND - RGO 86 beat ATLAS 82 runs  
LO 134 beat RSRS 133 runs  
(A very close game)

SEMI-FINAL - LO 124 beat RGO 98  
RHEL 50 for 2 beat DNPL 47  
(R Smith 17. B Blowfield 21 N O)

FINAL - RHEL 68 for 1 beat LO 64 for 9  
(R Smith 17. B Blowfield 21 N O. M Donald 28 N O)

A fine performance by the RHEL team, the bowlers doing a fine job in both games, containing DNPL to only 47 runs, and the high scoring LO team to 64 runs in the final. Thus giving the batsman a fairly easy task in scoring the runs.

#### TABLE TENNIS

A new event this year, 24 competitors taking part in a singles event.

Arthur Chilvers (RHEL) was an easy winner only losing one game all day.  
Well done Arthur.

#### CHESS

(Lightning Tournament 10 secs. per move)

21 players took part, the competition was split into 3 groups the 3 group winners playing off in the final.

Dr Bramley (RSRS) was the winner with Peter Hemmings (RHEL) finishing in third place.

#### NETBALL

4 teams took part LO, ATLAS, RGO and RHEL the competition being played on a league basis. The winners were RHEL with a fine all-round performance, winning all their three games with the impressive goal tally of 43 for 8 against.

The RHEL team was:-

Mrs M Stoker	Mrs S Winzor
Mrs J Read	Miss C Martin
Mrs P Coulthard	Mrs D Gibbins
Miss S Wood	Mrs A Clark
Mrs A Bishop	Mrs C Smith

#### WELL DONE GIRLS

#### FOOTBALL (6-A-SIDE)

The football teams as usual had a long and strenuous day, all teams having to play at least 6 games. After many ups and downs the semi-finals were:-

RHEL 'A'	2	v	RHEL 'B'	2	(1 corner)
DNPL	3	v	RGO	1	

#### FINAL

DNPL	4	v	RHEL 'B'	1
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Well played DNPL - by far the best team.

#### BOWLS

Two competitions here, rinks (4 players) and pairs:-

The RHEL team consisting of J A Goode, E Gray, L Holder and C Crindrod won the Rinks Shield, another RHEL team "SKIPPED" by Roy Price was runner up. The pairs cup was won by a DNPL pair, narrowly beating the RHEL pair G Simms and T Molyneux - who bowled very well throughout the day.

#### TENNIS

Two competitions, mixed doubles and mens doubles. The RHEL players trying very hard but finding the opposition too strong for them in both events.

GENERAL NOTE - A big vote of thanks again to Bill Butler (St. Johns) for the first aid, helped by some very willing helpers from RSRS.