



R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
(6,3), NACHT(48), XCEN(12), 24 April-1 May 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), IDX(
DY(100,2), JDY(4), JDX(4), IHS(4), IOV(2), IUN(2), ID(2), IDE(
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MAX V, IUN
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(10,3)
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NSR(20), XA(16), YA
(20), BX(20), NST1(20), NST2(20), INER(20), bulletin 15

SRC SUGGESTION AWARDS SCHEME

At the meeting of the Local Suggestion Awards Committee held on 29 March 1972, 35 suggestions were considered: the following awards were made:-

| | | | |
|------------------|---------------------|---|-----|
| Mrs M Athawes | Admin Building R20 | - | £10 |
| Mr D Tubb | Eng Building R9 | - | £10 |
| Mr H E Clark (2) | Nimrod Building R8 | - | £15 |
| Mr T M Sedwards | Nimrod Building R51 | - | £10 |
| Mr D Morrow | Nimrod Building R8 | - | £5 |
| Mr P J Surtell | Nimrod Building R55 | - | £10 |
| Mr M Ryan | Eng R18 | - | £5 |

FILM BADGE NOTICE

Period 5 commenced Monday 17 April, Colour strip BLUE for $\beta\gamma$ films and fast neutron packs. Please check that you are wearing the correct dosimeters and that all old ones are returned.

MISSING EQUIPMENT

The following item of equipment has been reported missing:-

6 point Potentiometric Recorder - Kelvin Hughes Model HPR/A6 Serial No PI083 Loan Pool No 1287.

Anyone with information on the present whereabouts or the person who telephoned the Loan Pool after this item was advertised in Bulletin 10, 6 - 13 March 1972, please contact Mr V A Thorp - Ext 382.

FILM SHOWS

There will be no film shows this week.

OVERSEAS VISITS

Dr D P Jones to USA 21 April - 5 May and Drs Tara Shah, R M Brown, M R Jane to USA 23 April - 6 May, to attend APS meeting Washington and Meson Spectroscopy meeting Philadelphia and to visit N A L Batavia, A N L and B N L.
Dr T T Tso to CERN 23 - 28 April to continue experiment S91 and prepare S120.
Dr T J McMahon to CERN 24 - 27 April for discussions on neutron counter installation at Ω experiment.
Mr M J Cawthraw to Hahn-Meitner Institute Berlin - 24 - 26 April to attend CAMAC DATAWAY Working Group meeting. Dr J L Weil to Geel, Belgium 25 - 27 April to give seminar on search for superheavy elements and discuss D + d reactions.
Mr M Snowden to USA 25 April - 26 May to attend Applied Superconducting Conference, Annapolis and to visit B N L A N L N A L Lawrence Radiation Laboratory S L A C.
Los Alamos Scientific Laboratory and Triumf Laboratory Vancouver. Messrs P T M Clee and R Malton to CERN 26 - 27 April for discussions on superconducting quadrupole magnets. Mr P Wilde to Germany 26 - 28 April to attend CAMAC Software Group Meeting.
Mr M M Wilson to USA 24 April - 11 May to give papers at Applied Superconductivity Conference and to visit Brookhaven, N A L Berkeley and Stanford.

INTERNAL EVENTS

SPECIAL SEMINAR
Friday 21 April
09.45 to 16.00
Lecture Theatre

National Semiconductor (UK) Ltd - Advanced Technology Seminar.
Arrangements by the Athena Semiconductor Marketing Company Egham Surrey.

NIMROD LECTURE SERIES
Monday 24 April
11.30
Lecture Theatre

"Inelastic Electron Scattering" (Oxford Conference talk)

Dr W T Toner/RHEL

HEP DISCUSSION GROUP
Wednesday 26 April
11.00
Conference Room R1

"New Generation of Neutrino Experiments"

Dr Myatt/Oxford

NIMROD SCHEDULE

CYCLE 5 25 4 72 - 16 5 72

MACHINE PHYSICS

HIGH ENERGY PHYSICS

| <u>Team</u> | <u>Beam</u> | <u>Experiment</u> | <u>State</u> |
|--|-------------|---|--------------|
| Birmingham University RHEL | K12A | $K^+\eta$ Elastic Scattering and $K^+\eta$ Charge Exchange from 0.45-0.95 GeV/c | Data |
| Cambridge University RHEL | K13C | Associated Production Cross Sections | Setting up |
| Imperial College Southampton University | π^+7 | Studies of n ω and A_2 | Data |
| Surrey University Birmingham University RHEL | π^+10 | Total Cross-Sections for Pions on Light Nuclei | Setting up |
| RHEL | K9 | HBC-Technical Tests for Future Experiments | Setting up |
| Glasgow University RHEL | $\pi^+9,N4$ | Polarisation Measurements in π^+p Charge Exchange | Setting up |
| Bristol University Southampton University RHEL | K15 | K^+p and π^+p Differential Cross-Sections | Setting up |
| Westfield College RHEL | π^+8 | Neutron Counter Tests for Ω Project | Setting up |
| Oxford University | P71 | Cherenkov Counter Tests for NAL Experiment | Setting up |

EXTERNAL EVENTS

THEORETICAL PHYSICS SEMINAR

Monday 24 April
16.15
Queen Mary College

"Massless limit of massive electrodynamics"

Professor S Deser/Brandeis and Paris

DARESURY LECTURE SERIES

Tuesday 25 April
14.15
Daresbury Laboratory

"Meson-Meson Scattering"

J Moffat/ Toronto University

ELEMENTARY PARTICLE PHYSICS SEMINAR

Tuesday 25 April
14.30
Nuclear Physics Lab Oxford

" π -p-neutrals 0.72 and 2.4 GeV/c"

Dr A Skuja

THEORETICAL PHYSICS DIVISION

Tuesday 25 April
14.00
Conference Room Building 8.9
AERE

"Compound States of Atoms and Molecules"

Professor P G Burke/Queen's University Belfast

COMPUTER SCIENCE SEMINAR

Tuesday 25 April
14.00
Culham Laboratory

"Graphical Interaction in a Time Sharing Environment"

A C Kilgour/University of Edinburgh

COLLOQUIUM

Friday 28 April
16.15
Clarendon Laboratory

"The Superconducting quantum interference device"

Dr J Good/SHE Manufacturing, London

OPEN MEETINGS

Friday 28 April
19.30
Oxford Polytechnic and
Wednesday 3 May
19.30
Reading College of Technology

The Council of Engineering Institutions - Thames Valley Local Committee.
"Engineers - How will the Engineer's Registration Board effect you?" The main speaker will be Miss R Winslade O B E MIMC FITE AMBIM Assistant Secretary of the CEI, supported by representatives of some of the major Engineering Institutions.

These meetings are primarily designed to provide information for those who hope to be registered as:

Technician Engineer CEI - T Eng (CEI)

or

Technician CEI - Tech (CEI)

and to their employers, but could also be of interest to those aspiring to Chartered Engineer status - C Eng.

Present and past students on HND HNC or C&G Technician Courses are particularly invited.

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

RECORD SOCIETY

Friday 28 April at 12.40 in the Lecture Theatre: Tchaikovsky 6th Symphony.

DANCE NOTICE

Cheese and Wine Dance held on 24 March 1972: We have now donated the following amounts to charities:

£20 to the Animal Sanctuary Tilehurst Reading

£20 to the Donkey Sanctuary Woodley Reading

£20 to the Royal Society for the Protection of Birds Sandy Bedfordshire

The total donated to charities was £93.25.

FOLK CLUB

Folk Club - Rutherford and Atlas Recreation Society - every Friday at 8 p m in R22 Coffee Lounge. Licensed Bar.

Friday 21 April. "The Songwainers" - 3 lively lads from Cheltenham in 3 part harmony - Admission 20p.

Friday 28 April. Rosie Hardman - a 'big' Lancashire lass, plays guitar and arch dulcimar - 14 strings. Writes her own beautiful melodies and words - Admission 25p.

Appearing in the near future:-

George Deacon & Maria Ross - Guitars & Harmonium

Roger Sutcliffe - Blues guitarist

Dick Gaughan - Scottish traditional

Pete & Ali Malder - sing anything you want

Tony Capstick - Mainly Lancashire Industrial songs

Further information obtainable from the Club Secretary, Stephanie Hannan, R22.

CHRISTIAN FELLOWSHIP

All those connected with or interested in the Fellowship are invited to attend a meeting to elect a committee and have a discussion on the future programme. The meeting commences at 12.30 p m on Friday 28 April in R12 Conference Room.

RUTHERFORD & ATLAS RECREATION SOCIETY

DANCE - The next dance will be held on Friday 19 May in Building R22 Restaurant. Dancing to "Patti and the Music Men" - 8 p m to 1 a m. Tickets on sale from Monday 24 April - Price 65p from Mrs T Batchellier (R34), Mrs V Goodwin (R1), Mrs M Stoker (R1), Mr J Hoskins (R58) and Mr J Rice (R2).

Squash - It has been a good year for the Rutherford Laboratory Squash Players. Jenny Coates of R20 won the Ladies Handicap Tournament, Bob McClure of R2 won the Captains Prize for the most improved player of the year and, last Thursday, the Nimrod Team consisting of Tony Eastwood, Bob Marshall (Captain) and Bob McClure won the AERE Inter-Divisional Squash Cup by beating E S D 2 - 1 in the final.

SEVEN-A-SIDE SOCCER

18 April - D 0 v R25 - A game which most spectators had forecast a draw lived up to expectations. Drawing Office went into a first half lead by a penalty taken by Steve Hancock. The second half produced aggressive football from both sides resulting with R25 scoring twice, scorers being Mick Wise and a penalty by R Richard Pateman. Drawing Office, B Hollins getting an equaliser. Final Score Drawing Office - 2 R25 - 2. 14 April - Hall 3 v R18 - Hall 3, after an attacking start were soon 3 goals down. Jim Taylor R18 being the scorer of a fine hat trick. Owing to the efforts of Hall 3's goal-keeper G Pullinger the score remained Hall 3 - nil, R18 - 3 at half time. In the second half R18 produced 2 goals the scorers being Gavin Shand and Chris Lewis bringing the final score to Hall 3 - nil - R18 - 5.

RUTHERFORD FOOTBALL

LEAGUE TABLE

19 APRIL 1972

| TEAMS | P | W | D | L | F | A | Pts |
|-----------|---|---|---|---|----|----|-----|
| Transport | 2 | 2 | 0 | 0 | 11 | 3 | 4 |
| R 18 | 2 | 2 | 0 | 0 | 8 | 2 | 4 |
| R 9 | 2 | 1 | 1 | 0 | 6 | 5 | 3 |
| D 0 | 2 | 0 | 2 | 0 | 4 | 4 | 2 |
| Stores | 2 | 0 | 1 | 1 | 4 | 5 | 1 |
| R 25 | 2 | 0 | 1 | 1 | 4 | 5 | 1 |
| Atlas | 2 | 0 | 1 | 1 | 4 | 9 | 1 |
| Hall 3 | 2 | 0 | 0 | 2 | 2 | 10 | 0 |