



Rutherford
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(84),
(6,3), NACHT(48), XCEN(12), YCEN(12), TCH(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(
DY(100,2), JDY(4), JDS(4), IHS(4), IDV(2), IUN(2), I(2), IDE
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MA, IV, Y, XUN
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(20,
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), NSR(20), X(16), YA
(20), BX(20), NST1(20), NST2(20), INER(20), NSC(20,3), AT(60

8-15 May 1972

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FAREWELL TO A COLLEAGUE

Bill Hayes of the Atlas Computer Laboratory retires on Friday 5 May. Although not currently engaged on driving duties Bill has spent most of his working life driving a varied assortment of vehicles and passengers. He started in 1927 as a driver on the City of Oxford buses (in those days when there was room to drive in Oxford) and after a couple of years went to work for the Lambourn Race horse Transport Service and apart from a few years as a civilian driver for the R A F during the war, spent 28 years driving to all the racecourses up and down the country. He has transported more than one 'National' winner at Aintree. He also served as a volunteer ambulance driver for 20 years and managed to get in 30 years service as a Special Constable with what is now the Thames Valley Constabulary. Bill came to the Rutherford Laboratory in September 1960 and worked in the Transport Section until the birth of the Atlas Computer Laboratory in 1963 and has been with Atlas ever since.

Last Friday, on behalf of all his friends and colleagues, Dr Howlett presented Bill with a handsome chiming clock and in the evening a dinner was held in his honour at the Bear Hotel, Wantage attended by 61 of his colleagues. During the dinner Keith Wilkes presented Bill with an engraved pewter tankard on behalf of the Shop Stewards. We all join in wishing Bill many happy years of retirement in the 'Back Seat'.

OBITUARY NOTICE

We deeply regret to announce the death of Mr L Proctor on Wednesday 26 April. He was aged 46. Leslie Proctor, a skilled craftsman in Building R9 workshop joined the Laboratory in August 1966. He will be sadly missed by his many friends and colleagues. We extend our deepest sympathy to his wife and child.

MISSING EQUIPMENT

Pye Scalamp Galvanometer, L P 1253. Anyone with information concerning the present whereabouts of this item please contact Mr P Seager Ext 6651.

Reported missing from R20 - Table Fan Serial No 4470 and a Dymo printer - anyone with information about the whereabouts of these items please contact Mrs T Walker Ext 6615.

Lost on site last Monday 'Parker' ball point pen, black with stainless steel top, finder please contact Mr E E Jones Ext 6249.

FILM BADGE NOTICE

It is period 5 - colour strip BLUE for 8y films and fast neutron packs. Please check you are wearing the correct dosimeters and all old ones returned. Next film change Monday 15 May.

OVERSEAS VISITS

Messrs R M McClure and P P Swan-Taylor to CERN 7 - 21 May for installation and commissioning of Capacitor Charging Unit for High Field Pulsed Magnet testing. Dr B D Jones to CERN 7 - 10 May to attend E C F A Neutrino Working Party. Dr J M Valentine to CERN 8 - 10 May for discussions on the comparison with CERN project.

CHRISTIAN FELLOWSHIP

Friday 12 May 12.30 pm R12 Conference Room. All are welcome to attend a Bible Study on 2 Corinthians chapter 7 led by Dennis Williams.

INTERNAL EVENTS

MINROD LECTURE SERIES
Monday 8 May
11.30
Lecture Theatre

Results from CERN Hyperon Beam
Dr R Bland Ecole/Polytechnique

HEP DISCUSSION GROUP
Wednesday 10 May
11.00
Conference Room R1

Unitarity, Duality and Absorption
Dr G Cohen-Tannoudji/CEN-Saclay

NIMROD LECTURE SERIES
Monday 15 May
11.30
Lecture Theatre

Report on Philadelphia Meeting on Mesons and Washington A P S Meeting
Drs M Jane, Shah and Brown/RHEL

FILM SHOWS

There will be no film shows this week.

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 η 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	π^9, N_4	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

PHYSICS & TEOPHYSICS COLLOQUIUM
Monday 8 May
17.00
University of Bristol

Microstructural design of heat-resisting alloys
Professor J B Newkirk/Colorado

COMPUTING SCIENCE SEMINAR
Tuesday 9 May
14.00
Culham Laboratory

The MIRFAC Programming Language
H J Gawlik/Royal Armament R & D Establishment

DARESBURY LECTURE SERIES
Tuesday 9 May
14.00
Daresbury Laboratory

Utilisation of CERN 11 to study Electromagnetic Interactions
E Gabathuler/D N P L

THEORETICAL PHYSICS DIVISION SEMINAR
Tuesday 9 May
14.00
Conference Room Building 8.9
AERE

Periodic Wave Propagation and Pattern Formation in Developing Systems
Dr B C Goodwin/University of Sussex

ELEMENTARY PARTICLE PHYSICS SEMINAR
Tuesday 9 May
14.30
Nuclear Physics Lecture
Theatre Oxford

Systematic Features of Particle Exchange Amplitudes
Dr V Barger/Wisconsin & RHEL

THEORETICAL PHYSICS SEMINAR
Wednesday 10 May
14.30
University of Manchester

Bose Einstein Condensation in Helium
Professor G V Chester/Cornel and Sussex

THEORETICAL PHYSICS SEMINAR
Thursday 11 May
16.15
Clarendon Laboratory Oxford

Isobaric Analogue States (Review)
Dr B Buck

COLLOQUIUM
Friday 12 May
16.15
Clarendon Laboratory Oxford

Information Storage in After Images
Professor R W Ditchburn F R S/University of Reading

THEORETICAL PHYSICS SEMINAR
Monday 15 May
15.45
Queen Mary College London

Neutron Capture Levels and Error-correcting Codes
Professor F J Dyson/Princeton

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

SOCIAL NEWS

SEVEN-A-SIDE SOCCER

28 April. R18 v D O. R18 gained an early lead from a fine goal by Jim Taylor. D O managed to equalise before half-time with a long floating shot from Bob McClure. The second half saw both teams under pressure with R18 gradually taking command and netting three goals, scorers being Jeff Bessel, Jim Taylor and Gavin Shand. Final Score R18 - 4 D O - 1.

2 May R25 - Hall 3. A game which produced fine football from both teams. George Pullinger netted Hall 3's first goal with a well placed header. The second half saw R25 applying pressure resulting in some good saves from Hall 3's keeper, Derek Hill, but R25 managed to equalise with a good shot from Dave Ferris. Final score Hall 3 - 1 R25 - 1. The man of the match was, without doubt, Derek Hill.

RUTHERFORD FOOTBALL

LEAGUE TABLE

3 MAY 1972

TEAMS	P	W	D	L	F	A	Pts
Transport	4	4	0	0	22	5	8
R 18	3	3	0	0	12	3	6
Stores	4	1	1	2	9	11	3
R 9	3	1	1	1	7	11	3
R 25	3	0	2	1	5	6	2
D O	3	0	2	1	5	8	2
Atlas	3	0	1	2	5	13	1
Hall 3	3	0	1	2	3	11	1

Next Week's Games: Atlas (orange and Black check) v D O (none) - Monday 8 May.

Stores (maroon) v R25 (blue & white stripes) - Thursday 11 May.

FOLK CLUB

The Rutherford and Atlas Recreational Society Folk Club meets every Friday in R22 Coffee Lounge at 20.00 hours. Licensed Bar.

Appearing in the near future:-

12 May	George Deacon and Marion Ross (Traditional)
26 May	Roger Sutcliffe (Blues)
2 June	Dick Ganghan (Scottish Traditional)
9 June	Duncdaun (English Traditional)
16 June	To be arranged - suggestions welcome from members
23 June	Pete and Ali Nalder
30 June	Tony Capstick (Traditional and Contemporary)
7 July	Joe Stead (very funny - banjo etc)
14 July	Rosie Hardiman (Contemporary)

For further details please contact Stephanie Hannan R22 Ext 6229.

RUTHERFORD & ATLAS RECREATIONAL SOCIETY

This year SRC Sports Day will take place on Monday 19 June at the Civil Service Sports Ground at Chiswick.

The events will include: Tennis (mens and mixed doubles) Bowls; Six-a-Side Football; Netball and Chess. There will be a Social Evening afterwards. Names of participants to be in as soon as possible (26 May latest). Rutherford names to P Craske Building R2 Ext 232 and Atlas names to G Holt or R Brandwood Ext 6257.

RECORD SOCIETY

Friday May 12 at 12.40 in the Lecture Theatre: Borodin String Quartet Selection.