



Rutherford
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(8),
(6,3), NACHT(48), XCEN(12), 23-30 October 1972
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(100,2), X
DY(100,2), JDX(4), JDY(4), FHS(4), IOV(2), IUN(2), IDE
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MA, UN
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), Y
MMON/CJACK/NSY(20,30), NMS(20), NDR(20), C, YA
(20), BX(20), NST1(20), NST2(20), INER(20), NSX(20,30), ART(60)
bulletin 35

SRC SUGGESTION SCHEME

At a meeting of the Local Suggestions Awards Committee, held on 4 October, the following awards were made

Mr H Johnson	Engineering	R7	£60
Mr H Webb	"	R9	£10
Mr M Ryan	"	R18	£5
Mr C R Gascoigne	"	R9	£5
Mr W G Black	Nimrod	R2	£80
Mr A Hickman	"	R2	£5
Mr P J Surtell	"	R6	£5
Mr D Parkinson	"	R25	£15
Mr E G Starr	"	R3	£10
Mr J Pattinson	"	R3	£5
Mr D Wood	"	R2	£5
Mr C Grindrod	"	R2	£5

The award to Mr W G Black is the highest so far made under the new SRC Suggestion Scheme. Since the £80 indicated a suggestion out of the ordinary, we went to talk to Mr Black, at his bench in R2 Mechanical Workshop, about his Filter Removal Lever.

The cooling towers adjacent to R9, which get rid of the heat from Nimrod's vacuum and magnet system, have a pond at the base with eight filters for removing coarse material set at an angle along one side. They are made of a wire mesh set in wooden frames, weigh about 80 lbs and are removed for cleaning once a week. Due to the water pressure considerable effort is required to remove them and Mr Black's suggestion was for a portable lever which would lift the first six inches, enough to break the pressure, enabling the filters to be withdrawn by hand. The suggestion speeded up the removal and reduced the manpower by half.

During the next winter shutdown several of the wooden frames and their wooden slides are due for replacement or repair and Mr Black is now thinking about further possible improvements to this filter system.

AERE COURSES 1973

Copies of the AERE Education and Training Department's programme of courses for 1973 are being widely distributed in the Rutherford Laboratory. Copies can be seen in Local Admin Offices and, for Computer Users, at Computer Reception (Mrs J Scholes). Attention is drawn particularly to the wide range of courses being given on computing and related mathematical topics. Further enquiries to Training Section, Ext 555.

FILM BADGE NOTICE

It is Period II. Colour Strip - BLUE for $\beta\gamma$ films and fast neutron packs. Please check that you are wearing the correct dosimeter and that all old ones are returned. Next film issue - Monday 30 October.

CALCULATING MACHINES

An Archimedes Diehl Model VR18 and a Facit Model CM2-16 are available to any section which has a use for them. They can be seen in Room 0.8, Building R1 Ext 238. Neither is a print-out machine.

MISSING EQUIPMENT

The following items of equipment have been reported missing from R2 Mechanical Workshop:-

Wolf Drill, size $\frac{1}{2}$ ", 240 volt, AERE Ser No 7811
Pneumatic Drill, T3, Ser No 35028
Desoutter Drill, type DG 250, $\frac{1}{4}$ " 110 volt, Ser No 24766, RL No 14/3167

Anyone with information on the present whereabouts of any of these items is asked to contact Mr R Hall, R2 Mechanical Workshop, Ext 6223.

UNCLAIMED MAIL

Unclaimed mail for Mr Ken Bryan, awaits collection in the Atlas Post Room.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 23 October
11.30
Lecture Theatre

Inclusive Spectra in Single and Double Excitation Models

Dr M Le Bellac/Nice

300 GEV SEMINAR

Monday 23 October
14.30
Conference Room, Building RI

Report on the ECFA Study Week at Tirrenia

(a) The Programme for the Construction and Utilization of the SPS - *Dr J J Thresher*

(b) Electronics Experiments - *Dr C J S Damerell*

SPECIAL NIMROD LECTURE

Wednesday 25 October
11.00
Conference Room, Building RI

Recent Results on Fragmentation Models

Dr P Pirila/CERN

FILM SHOW

Thursday 26 October
12.40
Friday 27 October
13.15
Lecture Theatre

Beneath The Bahamas - 27 minute colour film

The fascinating and enchanting world under the sea is explored and enjoyed by scuba divers off the shores of the Bahama Islands.
A vivid and colourful portrayal of underwater coral and sea life.

PLEASE NOTE THAT THE USUAL WEDNESDAY SHOWING HAS BEEN POSTPONED UNTIL FRIDAY

NIMROD LECTURE SERIES

Monday 30 October
11.30
Lecture Theatre

Lepton Physics at 300 GeV

Dr E Gabathuler/Daresbury

NIMROD SCHEDULE

CYCLE 13 10 10 72 - 31 10 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	Data
Imperial College Southampton University	π^7	Studies of n ω and A 2	Parasitic

EXTERNAL EVENTS

THEORETICAL PHYSICS SEMINAR

Monday 23 October
17.00
Queen Mary College

Symmetry Predictions for Inclusive Reactions

Dr A J Macfarlane/Cambridge University

PHYSICS & GEOPHYSICS COLLOQUIUM

Monday 23 October
17.00
University of Bristol

The Search for the Intermediate Boson at CERN

Dr V J Smith/University of Bristol and Rutherford Laboratory

PHYSICS COLLOQUIUM

Monday 23 October
17.00
University of Reading

The Use of Linac Accelerators in the Study of Amorphous Materials

Dr A C Wright (Internal discussion group)

DARESBURY LECTURE SERIES

Tuesday 24 October
14.00
Daresbury Nuclear Physics
Laboratory

Report on European 300 GeV Programme (Tirrenia)

APPLIED PHYSICS COLLOQUIUM

Wednesday 25 October
16.30
University of Reading

Pattern Recognition

A W G Combs/PO Research

ELEMENTARY PARTICLE PHYSICS SEMINAR

Thursday 26 October
14.15
Nuclear Physics Laboratory
Oxford

Proton-Proton Interactions at 200 GeV and the Nature of High-Energy Interactions

Dr M Derrick/UCL, on leave from the Argonne National Laboratory

APPLIED MATHEMATICS SEMINAR

Thursday 26 October
14.30
Royal Holloway College

Steady Vortex Rings

Dr J Norbury/UCL

COLLOQUIUM

Friday 27 October
16.15
Clarendon Laboratory Oxford

The Great Devide: Oxford Physics and Oxford Biology

Dr R Williams/Oxford

EVENTS AT AERE

THEORETICAL PHYSICS SEMINAR

Tuesday 24 October
14.00
Conference Room, Building 8.9

The formation of Point Defect Aggregates in Irradiated Metals

Dr R Bullough/AERE

NUCLEAR PHYSICS COLLOQUIUM

Thursday 26 October
15.30
Conference Room, Hangar 8

Uncertainties in the Physics of Radiation Biology

Mr J A Dennis/AERE

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

FOUND

Ladies Head Scarf (square) - found on lunchtime coach on 16 October.
Enquiries to Mrs C E Smith, R1, Ext 6693.

OVERSEAS VISITS

Dr G E Kalmus, to Paris and CERN, 19 October - 4 November, for discussions with Professor Salmeron on high energy K⁰ experiment and on 24 October for data taking in K⁰ experiment at CERN.

Mr M J Hotchkiss, to CERN, 22 - 27 October, to carry out tests with S120 spark chambers.

Mr J T Delury, to the USA, 24 - 29 October, in connection with the Nimbus E satellite project.

SOCIAL NEWS

RUTHERFORD AND ATLAS RECREATIONAL SOCIETY DANCE

Don't forget to buy your ticket for the next dance on Friday 3 November, in the Restaurant R22. Tickets still available from Mrs T Batchellier R34, Mrs M Stoker R1, Mrs V Goodwin R1, Mr F Cooke R9 and Mr J Rice R2, at 65p each. Dancing to the "Worlds Apart", 8 pm to 1 am, licensed bar, chicken supper etc.

RECORD SOCIETY

The 1972/73 season begins on Tuesday 24 October at 12.40 pm in the Lecture Theatre.

Piano Concerto No 5 (Emperor) - Beethoven

We open with a great favourite, Beethoven's Concerto for piano and orchestra, No 5 in E flat Major with Wilhelm Kempff piano and the Berlin Philharmonic conducted by Ferdinand Leitner.

The concerto composed in 1809 is said to represent the culmination of Beethoven's creative power in the way of concerto compositions. A joyful spirit prevails throughout and one is impressed by the sense of heroic power. The interpretation by Kempe, one of the most distinguished pianists of our time, is ably supported by the performance of the Berlin Philharmonic in a superb stereo recording.

CHRISTIAN FELLOWSHIP

Friday 27 October. All welcome to join with us for the visit of David Heaven, a full-time Christian worker from Didcot at 12.30 pm in the R12 Conference Room.

SEVEN-A-SIDE SOCCER CHALLENGE TROPHY FIXTURE LIST

Monday 23 October	R9	V	AERE GO	Group A
Wednesday 25 October	AERE 351	v	Hall 3	Group A
Thursday 26 October	Casuals	v	AERE Admin	Group B
Friday 27 October	Stores	v	R25	Group B
Monday 30 October	AERE Admin	v	AERE 220	Group B
Tuesday 31 October	R18	v	Atlas	Group A
Wednesday 1 November	AERE GO	v	CA Division	Group A
Thursday 2 November	Stores	v	DO	Group B
Friday 3 November		NO GAME		