

R(12), NDT(60,3), TSW(3500), ANGLE (7) 14 IN May 1973 AR (6,3), NACHT (48), XCEN(12), YCEN(12, 7) 14 RS MAY 1973 AR MMON/CF ID/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(10,2) X(DY(100,2), JDX(4), JDY(4), PHS(4), IOV(2), IUN(2), IUN(2)

PERIODICAL SAFETY TEST OF PORTABLE ELECTRICAL EQUIPMENT

The test carried out during March 1973 has now been completed. The current marker colour is YELLOW and marked 'Do not use after July 1973'.

Portable electrical equipment that is marked otherwise or has no marker should be considered unsafe and MUST NOT BE USED.

All such items should be returned if possible to Electrical Services Section Building R18. Alternatively ring A Hipwell on Ext 573.

UNCLAIMED GIFT?

A parcel containing two Stainless Steel Dishes and Stainless Steel Ladle await collection at R56, R and D Stores. The parcel is addressed to Dr Royce-? and the sender is a Dr Gruna Field of Germany or the general neighbourhood. Would any claimant please contact R56 Store, Ext 412.

FILM BADGE NOTICE

It is Period 5. Colour Strip - YELLOW for $\beta\gamma$ films and neutron packs. Please check that you are wearing the correct films and that all old ones are returned.

MESSAGE OF THANKS

Mr and Mrs Tom Jones and family wish to thank everyone for the messages of sympathy and floral tributes sent in their recent bereavement. Please accept this as a personal acknowledgement.

THE LAB'S LOSS IS WARNEFORD'S GAIN

Peter Titterton, who was an electrical fitter in the Nimrod Power Supplies and Ancillary Plant Group left the Laboratory on Friday 27 April to take up a post as an Assistant Engineer at Warneford Hospital, Oxford. This hospital is a member of the Isis Psychiatric Hospital Group.

Peter joined the Laboratory in May 1966 from Skelton Bar, Iron and Steel Works. He was involved with all the varied work of the Group, but will probably remember two projects in particular. These are the "New Grid Control Gear" for the Mutators and the "New Master Timer".

On behalf of his friends and colleagues Mr T J Packer presented Peter with a calender watch and a Parker pen and wished him well in his new appointment.

Peter thanked all those who had contributed towards the presents and said he had enjoyed working at the Laboratory. He would be pleased to meet his friends and colleagues again -but hoped that it would not be in the course of his work!

MISSING ???

Bill Burniston reports that a large chromium plated (approx 8" diameter) ashtray inscribed N Taylor (Engineering) Ltd on the rim is missing from his office. He would be very pleased if it reappeared in Room 1.59 in Building RI Link.

NIMROD SHUTDOWN IS OVER

Nimrod started up again on 24 April, recommissioning will continue until 15 May when Cycle 4 is due to commence. Details of this schedule will be given next week.

MISSING EQUIPMENT

The following item of equipment has been removed from Office 0.05 in RI.

10" Electric Desk Fan Serial No 14/2213, AERE No 10423.

Will anyone with information on the present whereabouts of this item please inform Mr S Spanner, Extension 6192

OVERSEAS VISITS

Dr L C W Hobbis, to ILL Grenoble, 6 - 10 May for discussions.

Overseas Visits continued on page 4

INTERNAL EVENTS

NIMROD LECTURE SERIES Monday 7 May 11.30 Lecture Theatre

APPLIED PHYSICS LECTURE Monday 7 May 14.30 (note change of time) Lecture Theatre Measurement of the Real Part in π^+ p, K⁺p, \bar{p} p Scattering Between I and 2.6 GeV/c by means of the Coulomb - Nuclear Interference

Dr M Ferro Luzzi/CERN

What is EPIC?

D A Gray/RHEL

Major aims in the development of particle accelerators are the production of high total energies in particle interactions, with high interaction rates.

'EPIC', an Electron-Proton Intersecting Complex, is an

arrangement of interleaved magnet rings for accelerating electron and proton beams. Interactions with very high total energy occur at the intersection regions and several different types of interactions, ie e.p., e.p., pp and e.e., can be studies. Useful beam-beam interaction rates can be obtained with bunched beams and low β (small transverse beam size) techniques. Apart from optimising the energies of the component accelerators, there are problems of lattic design, beam-beam limits and method of production of low β insertions to be solved.

The status of the design and the relevant world developments will be presented.

HEP DISCUSSION GROUP Wednesday 9 May II.00 Conference Room, Building RI2

Investigations with Diffractive Exchange Models

Dr J Kasman/Westfield College London

PROPOSAL LECTURE Wednesday 9 May 11.15 Lecture Theatre Proposal No 126:- "The Amplitude Analysis of πp and Kp Interactions between 3 and 5 GeV/c", Westfield College/RHEL

The talk will be given by Professor P March/Westfield College

NIMROD LECTURE SERIES Monday 14 May 11.30 Lecture Theatre

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(Title will be given next week)

Dr R Stroynowski/CERN

TELEPHONE DIRECTORY ALTERATIONS (2) (from 4 4 73 to 30 4 73)

AMENDMENTS

SIDLOW R
MARREN V
BARLOW DR J
BISHOP MRS A
CHARLESWORTH J A
CONFORTO DR B
COULTHARD MRS P
FRANEK DR B

GOPAL DR G P HALE MISS M C delete 318 add 6148 add 6197 add 248 6236 delete 6123 SEKULIN R I SHAH DR T P add 248 6236 delete 229 WIMBLETT R W add 243 6632 delete 6233 add 243 6632 EASTWOOD A W add 248 6236 RIMMER V J delete 6123 add 248 6236 WYATT R W W

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add 6688

delete 205

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STOP PRESS

THEORETICAL PHYSICS SEMINAR Friday || May | 14.20 Nuclear Physics Lab, Oxford

Theories of Hypernuclear Systems

Professor R Dalitz/Oxford

EXTERNAL EVENTS

HEORETICAL PHYSICS SEMINAR Monday 7 May Queen Mary College

Spontaneously Broken Gauge Theories and Renormalisation Professor T W B Kibble/Imperial College

PHYSICS COLLOQUIUM Monday 7 May 17.00 University of Reading

Random Networks and Amorphous Solids Dr M E Thorpe/Max-Planck Institut and Yale University

PHYSICS & GEOPHYSICS COLLOQUIUM Monday 7 May 17.00 University of Bristol

Neutrinos from a Mixed-up Sun Dr D O Gough/Institute of Astronomy, University of Cambridge

DARESBURY LECTURE SERIES Tuesday 8 May 14.00 Daresbury Lecture Theatre Neutrino Interaction in H2 and D2 M Derrick/ANL and UCL

THEORETICAL PHYSICS SEMINAR Wednesday 9 May University of Manchester .

Continuous Metal-Nonmetal Transitions in Disordered Materials Professor M H Cohen

THEORETICAL PHYSICS SEMINAR Thursday 10 May 14.15 Clarendon Laboratory, Oxford

The · Viscosity of Soapy Water Professor S F Edwards/Cambridge

COLLOQUIUM Friday II May 16.15 Clarendon Laboratory, Oxford The Problem of the Helium Film Professor J B Brown/University of Canterbury

EVENTS AT AERE

THEORETICAL PHYSICS SEMINAR Tuesday 8 May 14.00 Conference Room, Building 8.9

On the Use of Point Charge Models for Molecules Professor G G Hall/University of Nottingham

NUCLEAR PHYSICS COLLOQUIUM Wednesday 9 May 15.30 Conference Room, Hangar 8

The Use of Fast Neutrons in Radiotherapy and Activation Analysis Dr D K Bewley/MRC Cyclotron Unit, Hammersmith Hospital

PROCESS TECHNOLOGY COLLOQUIUM Thursday 10 May 09.00 Large Conference Room, Building 220.24

Patterns of Success in Innovation and Technology Transfer Mr P Jervis/University of Sussex

RUTHERFORD LABORATORY BULLETIN

Published by the Scientific Administration Group

H F NORRIS Editor: Room 42 Building R20

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Deadline for

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Rutherford Laboratory Chilton Didcot Berks

Insertions

Tuesday 1600

Wednesday 1200

Abingdon 1900 Ext 484

OVERSEAS VISITS (contd)

Mr H O Normington and Mr A Chilvers, to CERN, 6 - 19 May, and Mr P Mackay and Mr W G A Russell to CERN, 7 - 25 May for installation work on the SI2O experiment.

Mr G Simmonds, to CERN, 7 - 11 May, for discussions.

Dr C M Fisher, Dr R W Newport, Dr P R Williams and Mr P Wilde to Frascati, Italy, 7 - 12 May, to attend the 1973 International Conference on Instrumentation for High Energy Physics. Dr Fisher will extend his stay until 15 May for discussions on the proposed collaboration on Proposal 119.

SOCIAL NEWS

SEVEN-A-SIDE RUGBY - A STORY WITH AN INTERESTING END

For very many years now the Rutherford Laboratory have been entering a side in the AERE club tournament which is held every Spring. We've never had much success but this year we fielded the following team:

Euroff Thomas	R3	Malcolm Edwards		RI
Jim Homer	RI	Mike Yates		R25
Peter Doe	RI	Brian Mack		R25
Peter Dearlove	R25	John Potter	(guest	from Didcot)

The Laboratory reached the final with three excellent wins and then unluckyily lost in the final itself to "Grantage", a team made up of Wantage and Grove players who had already been beaten in one of the earlier rounds by the Rutherford Lab team and who had only just qualified as the best of the first round losers. (Grantage - sounds like one of those sporting schools which produced Harry Wharton and Bob Cherry and company. Readers under eighty should disregard this comment - Ed.)

Malcolm Edwards had a try under the posts disallowed which would have settled the issue but all credit to the team and their 'injured' supporters, Colin Uden and Martin Evans - one of whom was sufficiently recovered to play in a match against the AERE Ladies. The Ladies won 9 - 0. (Mixed rugby has a great future).

RECREATIONAL SOCIETY DANCE The next rave up is on Friday 18 May. Dancing to Billie Collins and her band, from 8 to 1 am. Buffet and fully licenced bar. Tickets 70p from:-

Miss T Batchellier - R34, Mrs V Goodwin - R1, Mrs M Stoker - R1, Mr F Cooke - R9 and Mr P Craske - R2.

RUTHERFORD FOLK CLUB

The next meeting of the Folk Club is at 20.00 hours on Friday 4 May in the Restaurant Coffee Lounge, tickets at 25p.

Roger Sutcliff is the featured artist

CHRISTIAN FELLOWSHIP

Dennis Martin will be leading the Fellowship in a book review. All are welcome to come along and the meeting as usual, commences at 12.30 in the RI2 Conference Room. The date -Friday II May.