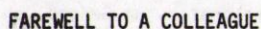




bulletin 34



"Ricky" Eaton of the Safety Section receiving a present, subscribed to by many of his colleagues at the Laboratory, on his retirement. The presentation took place on Thursday 25 October at Langston Harbour, Portsmouth. Ricky wishes to thank all those he was unable to see personally. We wish him a happy retirement.

Dr G H Stafford to CERN, 5-8 November, to attend meetings of CERN Scientific Policy Committee, ECFA Working Group III and CERN Committee of Council.

Mr C J E Macdonald to CERN and ILL, Grenoble, 5-8 November for discussions with ILL Administration and setting up ACR arrangements at CERN.

Dr. G. H. Stafford to CERN, 13-14 November, to attend meeting of Nuclear Physics Research Committee.

Mr R M Jenkins to CERN, 13-16 November, to attend ACR Course.

Friday 9 November: D Ness-Wilson of Building R36 will be leading a book review at 12.30pm in R12 Conference Room. All are welcome to come along.

Friday 16 November: A film portraying the work of the Royal National Mission to Deep Sea Fishermen will be shown in the Lecture Theatre at 12.35pm. The mission is involved in the social and spiritual welfare of Deep Sea Fishermen, many of whom are killed or seriously injured every year, and their families. All are welcome to come along and see this film which will be introduced by a representative of the Mission.

Period 12 commences Monday 5 November. Colour Strip BLUE for B_g films and neutron packs. Please change your dosimeters promptly and return all old ones. Six monthly TLD changes for people with surnames commencing S,T,U,V.

Correspondence containing pamphlets from Ranco Controls Limited can be obtained from the Editor.

INTERNAL EVENTS

NIMROD LECTURE SERIES

Monday 5 November
11.30
Lecture Theatre

" $K^0 p$ Interactions between 0.8-3.0 GeV/c"

Prof G Alexander (Tel Aviv & CERN)

RECORD SOCIETY

Tuesday 6 November
12.30-13.00
Lecture Theatre

"Great Ellington Soloists"

HEP SEMINAR

Wednesday 7 November
11.00
Lecture Theatre

"Electroproduction experiment near threshold and other stories"

P Norton (DNPL)

SEMINARS IN COMPUTING

Friday 9 November
11.00
R12 Conference Room

"The Analysis of the Eta Charge Assymetry Experiment (π^8)"

Dr M Jane

The analysis of 7×10^6 events in an optical spark chamber experiment will be described. The chambers were viewed with vidicon cameras and the data recorded direct on to magnetic tape via IBM 1130. The momentum of the eta decay pions was computed using a parameterisation method.

NIMROD LECTURE SERIES

Monday 12 November
11.30
Lecture Theatre

"Results with BNL Hyperon Beam"

Prof W Willis (Yale Univ)

FILM SHOW

Wednesday 13 November
12.40 & 13.15
Lecture Theatre

"Elementary Particles". The film is one of an Open University series and two professors take viewers round the high energy physics laboratory at Geneva, showing the accelerator in detail and also the 2 metre bubble chamber. Finally the two are brought together for the start of an experiment.

NIMROD SCHEDULE

CYCLE 11 and 12 22 10 73 - 20 11 73

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
UCL/BRUSSELS	K19	HBC/TST $K^0 p$ Studies	Data
RHEL	π^{11}	Beam Studies & Irradiation	Data
✓ BIRMINGHAM/SURREY/RHEL	K17	Stopping Kaons	Setting up
✓ CERN/ORSAY/OXFORD	P81	Hadron-Proton Spin	Installatio
✓ OXFORD	P71	Chamber Tests	Setting up/ Data
✓ COUNTER GROUP B/ CAMBRIDGE UNIVERSITY	π^{12}	$\pi^- p \rightarrow K^0 \Lambda^0$ in the range 1.4 - 2.0 GeV/c	Beam Tuning
✓ IMPERIAL COLLEGE/RHEL	π^8	Experiments on Narrow Bosons. χ^0 (958), S^* and Cross-Section Measurements	Installation
BRISTOL/RHEL	K15	$\pi^+ p$ Differential Cross-Sections	Data

EXTERNAL EVENTS

THEORETICAL PHYSICS DIVISION SEMINAR

Tuesday 6 November
14.00

Conf. Room, Bldg H.8, AERE

"Interionic Potentials In Alkali Halides"

Dr M Sangster (Reading University)

HIGH ENERGY PHYSICS SEMINAR

Wednesday 7 November
15.00

Mathematics Department
Royal Holloway College

"Prong Cross-Sections from a Realistic Two-Component Model"

Dr R G Roberts (RHEL)

ELEMENTARY PARTICLE PHYSICS SEMINAR

Thursday 8 November
14.30

Nuclear Physics Laboratory,
Oxford

"Muon-proton Elastic and Inelastic Scattering"

Dr T White

NUCLEAR PHYSICS DIVISION COLLOQUIUM

Thursday 8 November
15.30

Conf. Room, Bldg H.8, AERE

"Continuum Structure: Excitation of Isobaric Analogue States by Neutrons and of Doorway States of Protons."

Dr G J S Legge (Univ of Melbourne and NP Division)

ELEMENTARY PARTICLE THEORY SEMINAR

Friday 9 November
14.20

Nuclear Physics Laboratory,
Oxford

"Ultraviolet Behaviour of Gauge Theories and Models of the Weak, Electromagnetic and Strong Interactions."

Dr G Ross (RHEL)

HIGH ENERGY PHYSICS SEMINAR

Wednesday 14 November
1500

Mathematics Department
Royal Holloway College

"Do Mandelstam Cuts Really Exist".

Dr G A Ringland (RHEL)

LOW TEMPERATURE & SOLID STATE PHYSICS SEMINAR

Thursday 15 November
14.30

Clarendon Laboratory, Oxford

"Photomagnetic Effects"

Dr K A Gehring

NUCLEAR PHYSICS DIVISION COLLOQUIUM

Thursday 15 November
15.30

Conf. Room, Bldg H8, AERE

"Some Nuclear Problems In Astrophysics"

Prof G R Bishop (Univ of Glasgow)

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

HIGH JINKS ON THE LINKS

Excitement ran high one recent Friday afternoon when, following a "heat of the moment" statement by John Delury that the SRC golfers could beat anyone, AERE were rash enough to "pick up the gauntlet".

Glaring at one another through the driving rain on the first tee at Frilford Heath were (SRC names first):-

John Delury and Barry Shenton	vs	Mike Powell and Ian Page
Reg Stokoe and Doug House	vs	Gordon Wilkins and Dave Talbot
Peter Gregory and Brian Parkinson	vs	Ray Nelson and Jack Brownlie
John Jenkins and Lawrie Moodie	vs	Dennis Prill and Alf Lunney
Jim Pinchin and Ron Reed	vs	Ken Dove and Stan Murthwaite

When the skies cleared it was discovered that the challenge had been vindicated and SRC (by fair means or foul) ran out the winners by four matches to one.

It was agreed that we should not mention Peter and Brian as being our only losers, failing to a two under par better ball which contained five birdies. Ron Reed has asked that the handicap committee should not be told of his gross thirty-seven for the back nine and John Delury is now convinced he had discovered the secret of golf - let the other three players drive first from the last tee when the outcome of the match depends on that hole. They are certain to hook into the trees. John J and Laurie M were prevented by the weather from setting fire to Alf Lunney's clubs but if the language is any indication he would have been relieved had they succeeded.

After refreshments the SRC team re-inflated their car tyres (wonder how that happened) and all departed after a very enjoyable afternoon's golf.

SEVEN-A-SIDE SOCCER

Group 1				Group 2			
November	5	AERE 351 vs R25	Ref D Lucas				
"	6	APPS vs CASUALS	Ref J Seymour				
"	7			ATLAS vs AERE-RHG	Ref J Seymour		
"	12	AERE 351 vs ADMIN	Ref D Lucas				
"	13			C & A vs AERE-RHG	Ref J Seymour		
"	14 *			AERE-GO vs R9	Ref D Lucas		
"	15	R25 vs CASUALS	Ref J Seymour				
"	8-9-16-19 - NO MATCH						

* Please note change of date from 9 November

RUTHERFORD FOLK CLUB

FOLK CLUB Friday 2 November at 8.15pm. R22 Coffee Lounge. Cliff Aungier - A second visit to our club. He is taking a break from recording to come and visit the club again. He says that a number of the songs will be very new and unsung in clubs before as they were written for his new LP at present being recorded.

Everyone welcome. Bring your friends. It is a cheap evening out - and very enjoyable. Admission 25p.

RUTHERFORD & ATLAS RECREATIONAL SOCIETY DANCE

The next Dance will be held on 16 November in the Rutherford Restaurant, 8.00pm till 1.00am. Dancing to 'BURLESQUE'. Tickets 70p each. Fully licensed Bar & Buffet.

Tickets on sale from:-	Mrs T Batchellier (R34)	Mr F Cooke (R9)
	Mrs V Goodwin (R1)	Mr P Craske (R2)

WANTED

Would anyone who has an Avo Valve Characteristic Tester and has no further need for it, please contact Alan Gibbs, Building R2.