

Rutherford Laboratory Bulletin

General News

VISITORS. Fourteen pupils and members of Staff from the Holton Park Girl's Grammar School, Wheatley, Oxford will visit the Laboratory on Tuesday, 6 October.

SUGGESTION AWARDS. At a recent meeting of the Suggestion Awards Committee the following awards were made:-

NAME	DEPARTMENT	AWARD	NAME	DEPARTMENT	AWARD
E W Sims	NED R55	£20	R.P Hogan	ESD R9	£5
F Harris	NED R8	£20	A Smith	NED R43	£5
F Harris)	Joint NED R8	£10	E G Starr	NED R8	£5
T Burson)			R E Johnson	ESD R9	£5
T Morgan	ESD R9	£7-10-0	R E Johnson	ESD R9	£1-10-0
T Morgan	ESD R9	£3	D K Fleet	ESD R9	£3 (Final Award)
P Whellams	ESD R18	£6	F V Macavoy	NED R3	£3
			H E Clark	NED R8	£1-10-0

FILM NOTICE. Period 11 commences Tuesday, 6 October. Colour Strip - RED for B_γ and fast neutron packs. Please change your films promptly and return all old ones. TLD change for surnames commencing O, P, Q, R.

OVERSEAS VISITS. Mr W S Spinks, to Cologne, 4-11 Oct., to attend "Photokina".
Dr J T Hyman, to CERN, 6-8 Oct., to attend meeting of 300 GeV Control Study Group.
Dr T G Walker, to CERN, 7-9 Oct., to attend 300 GeV Beams Utilisation Meeting.
Mr N M King, to CERN, 8-9 Oct., to attend 300 GeV Beam Utilisation Meeting.

Machine Schedules

NIMROD Cycle 12 (22.9.70 - 13.10.70)

Machine Physics: High Energy Physics (π 10, X2/K12A, X2/K13, X1/K9, X2/K14A, X3/ π 8 and X3/K15)

Full details of Cycle 12 were given in Bulletin No 33/70.

Internal Events

Mon., 12 Oct 11.30 am	Nimrod Lecture Series	Dr J Weyers (CERN)	Duality and the Particle Spectrum
Lecture Theatre			

Social News

RUTHERFORD LABORATORY OPEN DARTS TOURNAMENT. About 100 people including competitors attended the tournament which was held in the R22 Coffee Lounge last Friday, 25 September. Eighteen teams competed for the singles, doubles and team challenge cups. In the singles final Chris Thornber (R2 Prep Area) beat John Moir (Machine Physics) in two very fine games.

Bernard Keen and Ron Pike (Admin) won the doubles in an up and down match with John Turner and Robin Lewis (Machine Physics).

The team challenge cup went to the Hód Barrow Reds (Chris Thornber, Cyril Grindrod, Norman Ferguson and Derek Watson) in a rather riotous final (scorer couldn't subtract) with 3 in a bed (Norman Jefferies, Tony Tabrell, Brian and Sue Flanders).

The Rec. Association provided a supper and also organised a prize draw and a most enjoyable evening concluded with the presentation of the various trophies by Marshall King.

A set of darts were left behind and the owner can claim them from John Rice, R2 Ext 275.

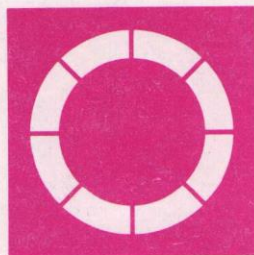
CHESS TOURNAMENT. A record entry of 38 has been received this year. The progress of this now well established event will be published at intervals throughout the winter.

DANCE DATE. The Rec Association is organising a dance on the 13 November in the R22 Restaurant. Dancing from 8pm to 1 am to the Vic Good Band. Tickets 10/- including buffet. More details later.

C.S.M.A. Friday, 9 October at 8 pm in the Old White House, Abingdon Road, Oxford. An illustrated talk entitled "Muscovites for a Year", some memorable impressions of Russia by Dr D C Robinson. All welcome.

CHRISTIAN FELLOWSHIP. Friday 9 Oct., 12.30 pm., Conf.Rm, R12 Robin Elliott will be leading a Bible Study on St Paul's letter to the Galatians, Chapter 2. Everyone welcome.

No 36/70
12 Oct 70



Rutherford Laboratory Bulletin

General News

FUTURE WORK IN NUCLEON SPECTROSCOPY A discussion meeting on this subject is taking place at The Cosener's House on 12 and 13 October. A total of 35 experimentalists and theorists have been invited.

VISITORS Five Russian scientists from the Kurchatov Institute, Moscow and one from the Physico-Technical Institute, Kharkov, will visit the Laboratory on Wednesday, 14 October.

UNDELIVERABLE MAIL Letter for A Abdullah Esq, it can be claimed from H F Norris, R20, Ext 484.

DEATH BENEFIT SCHEME This scheme which was announced in Circular No 25/70 has got off to a rather slow start with less than 200 enrolments in the first week, ie about 1 in 7 of our eligible employees. The Scheme is being introduced at the Atlas and Rutherford Laboratories to avoid the embarrassing cash collections which have taken place in the past when a colleague has died and also to make immediately available a cash sum of money for the next-of-kin in case of death. Membership is open to young and old, male or female, married or single, full or part-time employees, provided the member has more than 12 months still to serve before retirement. Enrolment can take place at any time of the day, in the Personnel Group, Building R20 (Rooms 65, 67, 68 or 70). SO PLEASE DO SO NOW AND FILL IN YOUR FORM.

FILM NOTICE It is Period II. Colour Strip - RED for $\beta\gamma$ and fast neutron packs. Please check that you are wearing the correct dosimeter and all old ones are returned.

OVERSEAS VISITS Dr J M Valentine, Mr P J Barker, and Mr H Wroe, to Liege, 11-13 Oct, to attend TD₁ Meeting.

Mr M J Cawthraw, to CERN, 12-13 October to attend Camac Working Group Meeting on Branch Multiplexing.

Dr W G Williams to CERN, 12-15 Oct, for discussions on polarized targets.

Dr G R Stevenson, to CERN, 12-20 Oct, for completion of section of design repeat dealing with radiation problems on 300 GeV Project.

Mr P Wilde, to Geneva, 13-16 Oct, to attend ESONE Conference and Camac Exhibition.

The Director, to Amsterdam, 15-16 Oct, to attend Advisory Committee for Amsterdam International Conference on Elementary Particles.

QUEST The next issue is due any day and will be a bumper edition containing 28 pages. The last issue was received throughout the SRC with a considerable amount of praise and (wearing the Local Correspondents hat) I would like to record my appreciation for the nice comments made by various members of the Laboratory. I hope the next issue will show a further improvement but do please remember that any staff magazine relies heavily for its success or failure on the contributions received from its readers. Why not "have a go"? You can't write - rubbish - have you tried? Good English is desirable but not essential. Just get your story on paper in any form, it can be corrected, chopped up, sorted out, revised etc afterwards. So send or bring it to me, H F Norris, Rm 42, R20.

Machine Schedules

NIMROD Cycle 13 (13 10 70 - 3 11 70)

Machine Physics

High Energy Physics

Team	Beam	Experiment	
Surrey/B'ham/RHEL	π^0	Total Reaction Cross-Sections for Pions on Nuclei	Setting up
B'ham/RHEL	X2/K12A	$K^+\pi$ Elastic Scattering between 450 and 950 MeV/c	Setting up
Oxford U/RHEL	X2/K14A	Polarization Effects in $\pi^+\pi$ Elastic Scattering	Data
Westfield Coll/RHEL	X3/ π^8	Measurement of Eta Decay Asymmetry	Data
Bristol U/RHEL	X3/K15	$K^+\pi$ Differential Cross-Sections from 1.07 - 2.0 GeV/c	Data

Internal Events

Mon, 12 Oct, 11.30 am Lecture Theatre	Nimrod Lecture Series	Dr J Weyers (CERN)	Duality and the Particle Spectrum
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Wed, 14 Oct, 10 am - 4 pm Conf Rm, R12 Demonstration by Data General Corporation of their NOVA low cost computer. The machine is 16 bit word length and has four hardware accumulators. Further details can be obtained from H F Norris, R20, Ext 484.

Wed, 14 Oct 11 am Conf Rm, R1	HEP Disc Grp	Dr H R Renshall (Liverpool Univ)	A Study of Charged K-Decays in a Search for CP Violation
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Mon, 19 Oct, 11.30 am Lecture Theatre	Nimrod Lecture Series	Dr D Newton (Lancaster Univ)	A Berkeley Experiment on $K^+ \rightarrow e^+ + \nu$
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External Events

Mon, 12 Oct, 5 pm Univ of Bristol	Phys and Geo-Phys Colloq	Prof L R B Elton (Surrey)	The use of Duplicated Lecture Notes and Self-tests in University Teaching
Tues, 13 Oct, 2.30 pm Daresbury Laboratory	Lecture Series	H White (Cornell and UCL)	Deep Inelastic Electron Scattering at Cornell
Tues, 13 Oct, 7.45 pm Univ of Reading	British Computer Soc Branch Meeting	Prof D B G Edwards (Manchester U)	Systems and Hardware Aspects of MU 5
Wed, 14 Oct, 2.30 pm Univ of Manchester	Theor Phys Seminar	Dr F Read (Manchester)	Resonances in Electron Module Collisions
Wed, 14 Oct, 7 pm, SEB, Yarnton Rd, Oxford	IEE District Meeting	C Mould and C A Wright (Oxford Poly)	Elementary Introduction to the Basic Principles of Digital Computers
Thurs, 15 Oct, 4.15 pm Clarendon Lab, Oxford	Theor Phys Seminar	Prof R E Peierls	Some Properties of Decaying States
Fri, 16 Oct, 8.30 pm Nuclear Phys Lab, Oxford	Seminar	Dr D Radojicic (Oxford)	Experimental Results reported at the Kiev Conference
EVENT AT AERE			
Tues, 13 Oct, 2 pm Lecture Rm, Bldg 8.9	Theor Phys Seminar	Prof D L Mills (Univ of California)	Temperature Dependence of the Electrical Resistivity of Ferromagnetic Alloys

Social News

CHRISTIAN FELLOWSHIP Friday, 16 Oct, in the R12 Conf Rm at 12.30 pm. All welcome.

DANCE DATE The Rec Association are holding a dance in the Restaurant, R22 on Friday, 13 Nov. Music will be provided by the Vic Good Band, from 8 pm to 1 am. Tickets are 10/- each and include a Chicken Buffet Supper. Posters are being displayed on all main notice boards and tickets are available from:- Terry Batchellier, R34, Minnie Stokoe R20, Val Goodwin, R1, Jill Flacke R25, Ron Hecken, John Rice and Tony Jones R2, Roger Childs, Atlas; Joe Hoskins R52, Nigel Gomersall R12 and Peter MacKay R37. Anybody having any enquiries should ring Ron Hecken, Ext 6615.

TAIL PIECE

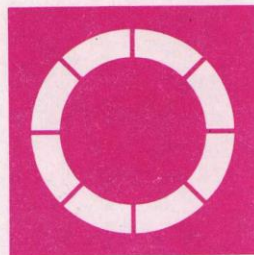
CHIEF PERSONNEL OFFICER VACANCY??

Mr R M Jenkins has a large circle of friends, acquaintances and enemies. He is most curious to know who it was who gave the recruitment officer of the Royal Navy to believe that he was interested in making a career in one of Her Majesty's ships!!

Rutherford Laboratory
9 10 70

H F NORRIS Ext 484
Scientific Admin Group
Building R20

No 37/70
19 Oct 70



Rutherford Laboratory Bulletin

FOUND A pair of gents spectacles, in the Main Computer Area. Owner can claim from Mr A Taylor, HEP Admin Office, R1.

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

UNDELIVERABLE MAIL Letters for Mr F Bohumul, Mr B J Dropesky, Emesic John Simbo and A Abdullah. These can be claimed from H F Norris, R20.

RUTHERFORD LABORATORY LECTURE The next lecture in this series will be given at 3.15 pm on Thursday, 29 October, in the Lecture Theatre, by Dr R Hyde of the Geophysical Fluid Dynamics Laboratory, Bracknell. The title of his talk will be:- "Motions in Planetary Atmospheres".

RHEL STAFF VISITS TO THE ENGINEERING AREAS Junior and intermediate levels of non-industrial and industrial grades of staff will be given the opportunity to visit workshops and laboratories in the Engineering Division and see some of the work that is being done by this Division. The visits are planned for Wednesdays, 21 and 28 October, 4, 11 and 18 November 1970.

BLOOD DONORS The next Blood Donor Session will be held in the R12 Conference Room on 26 and 27 October. All enquiries to the R12 Admin Office, Ext 441.

OVERSEAS VISITS The following will visit CERN on the dates shown for participation in the 2m bubble chamber π^+d exposure - Dr T C Bacon, 16-27 Oct; Dr J Phelan, 16-23 Oct; Dr J Smith, 19-23 Oct; Dr A Brandstetter, 19-23 Oct; Mrs J Cheney, 18-22 Oct; Dr P Litchfield, 20-22 Oct. Dr T C Bacon will also visit Paris and Milan during the period 16-27 Oct.

Mr R A Lawes will visit the following places during the period 18-27 Oct

(i) Paris - to attend and give talk at 1970 HPD Collaboration Meeting.

(ii) CERN - Discussions and demonstrations of Future Measuring Equipment for Large Chambers.

(iii) Bologna - to attend 2nd meeting on CRT Systems for Large Chamber Film.

Dr A Oxley, Mr P Girard and Mr M Holmes, to Paris, 18-20 Oct, to attend HPD Conference.

Dr I Butterworth, to Paris and Geneva, 18-22 Oct.

Mr D A Gray, to CERN, 18-23 Oct, to attend meetings of 300 GeV Machine Committee.

Dr J M Valentine, to the USA, 18 Oct-2 Nov, to visit LRL, ORNL and BNL for discussions.

The Director, to Budapest, 19-21 Oct, to attend Council Meeting of the European Physical Society.

Mr M R Harold, to CERN, 21-22 Oct, to attend meeting of the 300 GeV Ejection Study Group.

Mr F Jacob, to CERN, 21-23 Oct, for discussions on automatic measuring equipment.

Dr W R Gibson and Mr D T Williams, to CERN, 21-24 Oct, for consultation with other members of QMC/RHEL collaboration concerning results of P71 experiment.

Machine Schedules

NIMROD Cycle 13 (13 10 70 - 3 11 70)

Machine Physics: High Energy Physics (π^+10 , X2/K12A, X2/K14A, X3/ π^+8 and X3/K15).

Full details of Cycle 13 were given in Bulletin No 36/70.

Internal Events

Mon, 19 Oct, 11.30 am,
Lecture Theatre

Nimrod Lecture
Series

Dr D Newton
(Lancaster Univ)

A Berkeley Experiment on $K^+ \rightarrow e^+ + \nu$

Wed, 21 Oct, 11 am
Conf Rm, R1

HEP Disc Grp

R Raiton
(Glasgow)

Recoil Proton Polarisation in Elastic $e-p$ Scattering
(at NINA)

Thurs, 22 Oct 1.45 pm Lecture Theatre. Texas Instruments Ltd are holding a seminar on some applications of their latest TTL MSI devices. Staff with problems on integrated circuits applications will have the opportunity to discuss them with the Application Engineer present.

Mon, 26 Oct, 11.30 am
Lecture Theatre

Nimrod Lecture
Series

Dr R J Phillips
(RHEL)

The Serpukhov $K_L \rightarrow K_S$ Regeneration Mystery

External Events

Mon, 19 Oct, 5 pm
Univ of Reading

Colloq

Prof D L Mills
(AERE)

The Inelastic Scattering of Light by Optical Phonons
in Crystals:

Mon, 19 Oct, 5 pm
Univ of Bristol

Phys and Geo-
Phys Colloq

Dr W Cottingham
(Bristol)

Particles and Particle Forces

Tues, 20 Oct, 2.30 pm
Daresbury Laboratory

Lecture Series

H Renshall
(Liverpool)

CP Violation in Charged K Decays.

Wedn, 21 Oct, 2.30 pm
Univ of Manchester

Joint Seminar -
Nuclear and High
Energy Groups

Dr J Charrap
(QMC)

Chiral Lagrangians

Wed, 21 Oct, 8.15 pm Oxford U Maths Inst	British Computer Soc Branch Meeting	K V Roberts (Culham)	Information Engineering
Thurs, 22 Oct, 4.15 pm Clarendon Lab, Oxford	Theor Phys Seminar	Dr A Lande (Copenhagen) (SUBJECT TO CONFIRMATION)	The Nuclear Three-Body Problem
Thurs, 22 Oct, 8.30 pm Nuclear Phys Lab, Oxford	Seminar in Elem Part Phys	Dr D H White (Cornell U on leave at UCL)	Deep Inelastic Electron Scattering Experiments at Cornell

The above lecture will be held in the Lecture Theatre of the Nuclear Physics Lab and anyone not familiar with the present temporary entrance should contact H F Norris for directions.

EVENTS AT AERE

Tues, 20 Oct, 2 pm Lecture Rm, Bldg 8.9	Theor Phys Seminar	Dr M J Gillan (AERE)	Optical Absorption in Liquids
Thurs, 22 Oct, 3.30 pm Conf Rm, H8	Nucl Phys Div Colloq	Prof H Pugh (U of Maryland)	Experimental Studies of Off-Shell Scattering by Means of Quasi-Free Knockout Reactions

Social News

DARTS MINI-WORLD CUP COMPETITION This is a competition based on World Cup Football rules. The competitors (in this case 28) were split into 4 groups of 7 and the top 2 from each group qualified for the quarter-finals. At the time of going to press 3 of the 4 quarter-finals have been played -

John MacKerness beat Bob Marshall, 2-1
Ron Pike beat Bill Oliver, 2-1
Mike James beat Ken Freestone 2-1

SIX-A-SIDE FOOTBALL LEAGUE A lunch time Football League has been arranged at the Lab. Six teams have entered and matches are being played on the football pitch near the Transport Office, R54. Results so far:-

R25 - 2 : R9 - 1
R18 - 6 : Hall 3 - 1
Nimrod - 0 : Atlas - 0

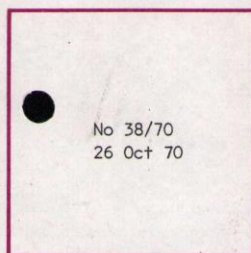
Further fixtures next week are - Wed, 21 Oct R25 v R18 and Fri, 23 Oct, Nimrod v R9. Spectators and supporters would be welcomed.

CHESS CLUB The Chess Club had a most enjoyable evening when they entertained Wallingford. The result was a win for the visitors, 5½ to 4½. Wallingford fielded a strong team with 5 county players in the side, the Lab having 3. Individual results are as follows:-

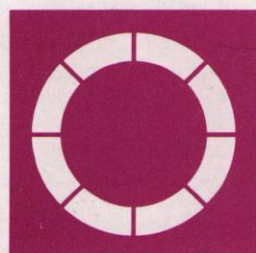
Rutherford/Atlas Labs		Wallingford	
*W Turner	½	*T G Pollard	½
*N M Stewart	½	*L Fawcett	½
*P E Craske	½	*P J Dillon	½
K Byrd	½	*J A Cousins	½
A J Oxley	0	C D Slade	1
C J Hebson	0	*G H Betts	1
P J Hemmings	½	A Watkin	½
C Uden	1	M J Ashburn	0
H A James	1	L B Dangerfield	0
S K Chanda	0	S Dangerfield	1
	4½		5½

*County Player

CHRISTIAN FELLOWSHIP Fri, 23 Oct, R12 Conf Rm at 12.30 pm. Everyone welcome to a Bible Study on Chapter 3 of St Paul's letter to the Galatians, led by D N Wilson.



No 38/70
26 Oct 70



Rutherford Laboratory Bulletin

General News

VISITORS Thirty members of the Oxford University Scout and Guide Group will visit the Laboratory on Saturday 31 October.

RUTHERFORD LABORATORY LECTURE Dr R Hide, Director of the Geophysical Fluid Dynamics Laboratory of the Meteorological Office is the speaker in the next Rutherford Laboratory Lecture. The title of his talk will be "Motions in Planetary Atmospheres" and will be given in the Lecture Theatre on Thursday 29 October at 3.15 p.m. Dr Hide has kindly supplied the following summary of his talk which he says will be "down to earth".

"A discussion of the atmosphere of the various planets, including Venus, Earth and Jupiter. The processes responsible for motion in these atmospheres will be discussed in the context of simple Laboratory experiments on fluid dynamics. These will be illustrated by a short film."

LOGIC AND LANGUAGE COURSE AERE are to run a course of four lectures, providing an elementary introduction to modern logic and its application to the drafting, analysis and interpretation of formal documents. The dates are 19 and 26 January and 2 and 9 February 1971. Details can be obtained from Training Section, R20 Ext 555.

FILM NOTICE It is Period II. Colour Strip - RED for By films and fast neutron packs. Next film change - Monday 2 November.

MISSING EQUIPMENT The following items of equipment have been reported missing:-

- (1) Missing from Building R36 - Portable Embossing Tool - Please contact Mr S Maskell R36 Ext 534 if you have any information on the whereabouts of this item.
- (2) Marconi Valve Voltmeter - Serial No 1811577. Anyone with information on this item is asked to contact Mr H E Payne R25 Ext 257.

SEMINARS IN COMPUTING The Computer and Automation Division are organising a new series of Seminars to be given every fortnight. The first in the series will be a review of on-line work in the C & A Division and will be given by John Burren on Friday 30 October at 3.15 p.m. in the R 12 Conference Room.

NATIONAL SAVINGS CERTIFICATES - SALARY CYCLE ENDING 31 10 70. Certificates can be collected from the Cash Office R20 from 2 11 70 onwards. New members wishing to join the scheme can obtain enrolment forms from the Cash Office. Completed forms must be returned not later than 2 11 70.

OVERSEAS VISITS Dr L C W Hobbs, to the USA 24 - 31 October, to visit ORNL and BNL for discussions on High Flux Beam Reactors for neutron beam research.

Mr N M King and Dr D Maden to CERN 25 - 27 October to attend 300 GeV Utilization Meeting.

Dr T G Walker to CERN 25 - 26 October to attend 300 GeV Group Meeting.

Dr G Manning, Dr F Bulos and Mr P H Sharp to CERN 26 - 29 October for discussions on ISR experiment.

Dr D B Scott to Delft, Holland 27 - 29 October to attend Interactive Computer Graphics Symposium.

Dr J T Hyman to CERN 28 - 30 October to attend meeting of Controls Study Group, 300 GeV B*.

Mr J T Delury and Mr H Hadley to the USA 28 October returning 5 November and 2 November respectively to attend meetings on Nimbus E work.

Machine Schedules

NIMROD Cycle 13 (13 10 70 - 3 11 70)

Machine Physics: High Energy Physics (π^0 , X2/K12A, X2/K14A, X3/ π^8 and X3/K15). Full details of Cycle 13 were given in Bulletin No 36/70.

Internal Events

Mon, 26 October 11.30 am Lecture Theatre	Nimrod Lecture Series	Dr R J N Phillips (RHEL)	The Serpukhov $K_L + K_S$ Regeneration Mystery
Wed 28 October 11 am Conf Room R1	HEP Disc Group	J C Sleeman	Polarisation Measurements in π^+p Elastic Scattering.
Thurs 29 October 3.15 pm Lecture Theatre	Rutherford Lab Lecture	Dr R Hide	Motions in Planetary Atmosphere. (See Gen News for details).
Fri 30 October 3.15 pm Conf Room R12	Seminar in Computing	Mr J W Burren	Review of On-line Work in the C and A Division.
Mon 2 November 11.30 am Lecture Theatre	Nimrod Lecture Series	Prof G Kalms (LRL and CERN)	Strange Particle Production in π^+p Interactions Between 1 and 2 GeV/c.

External Events

Mon 26 October 4.15 pm Queen Mary Coll.	Theor Phys Seminar	Dr R B Stinchcombe (Oxford)	Magnetic Excitations
Mon 26 October 5 pm Univ of Bristol	Phys & Geo-Phys Collog	Prof D P Enz (Univ of Geneva)	Hydrodynamics and Second Sound in Many - Body Systems.
Wed 28 October 2.30 pm Univ of Manchester	Theor Phys Seminar	Dr R Rook (Oxford)	K - Mesic Atoms
Thurs 29 October 4.15 pm Clarendon Lab Oxford	Theor Phys Seminar	Dr D L Lin	Resonance Interaction and Coherence of Spontaneous Radiation.
Thurs 29 October 8.30 pm Nuclear Phys Lab Oxford	Seminar in Elemt. Part Phys	Dr G Myatt	Continuum Excitation In Neutrino and Electron Reactions with Proton and Neutron at High Energies.
Fri 30 October 2 pm Univ of Soton	Surface Phys Grp	Mr G E Hill	Semiconductor Surfaces.
Fri 30 October 2.30 pm Clarendon Lab Oxford	Elemt Part Theory Seminar	Dr T J Weare	Photoproduction of ϕ Mesons and the Nature of the Pomeron.
EVENTS AT AERE			
Tues 27 October 2 pm Conf Room Bldg 8.9	Theor Phys Seminar	Dr R Singer (Royal Holloway Coll Ldn)	Monte-Carlo Simulation of Equilibrium Properties of Simple Liquids.
Thurs 29 October 3.30 pm Conf Room H8	Nucl Phys Div Collog	Dr J S C McKee (Birmingham)	Is the Deuteron Trying to Tell us Something?

Social News

AERE HORTICULTURAL SOCIETY Most gardens are beginning to lose their blaze of colour so it perhaps is appropriate that the first lecture in the winter season should deal with colour indoors. We are fortunate in having a return visit by Konrod Engbers of Hyde Farm Nurseries who will give a lecture on "Success with House Plants" at the Rutherford Laboratory Lecture Theatre on Tuesday 3 November. Time - 7.15 for 7.30. Tickets 3/- available from Mrs Collett, RRD Building 521 Ext 72-5017, Mrs Payne Building 150 Ext 3270, Mrs Miles H9 Ext 2188, Miss Darvill Culham Ext 17-354 and Mr H F Norris Rutherford Laboratory R20 Ext 484. Tickets include a lucky draw and light refreshments.

Further lectures are being arranged and it is hoped to provide a series of lectures with interesting speakers.

RECORD SOCIETY AND LUNCH TIME FILM SHOWS. Both record and film shows will be resumed shortly and details will be announced in the Bulletin in due course.

CHRISTIAN FELLOWSHIP Friday 30 October in the R12 Conference Room at 12.30 pm. Everyone welcome.

SIX-A-SIDE FOOTBALL LEAGUE Result R25 - 0. R18 - 3. Fixtures next week - Wednesday 28 Oct: Hall 3 V R25.
Friday 30 Oct: R9 V Atlas.

AERE SIX-A-SIDE FOOTBALL LEAGUE Result RHEL (2 goals) beat Apprentices 'A' (1 goal and 1 corner).

LUNCH TIME DARTS LEAGUE The League will shortly be starting a new season. Teams of two players will play 4 singles and 1 doubles in a match. Entry fee - 1/- per player. Team names to Alan Slater or John Rice Ext 232 or 275. Closing date - 9 November.

PLASTIC CONTAINERS The Rutherford Rec Association has some 5 gallon plastic containers available for sale at 2/- each. Anyone wishing to purchase one should contact J Rice or P Craske Ext 275. Receipts will be issued to enable purchasers to take these containers off site.