

R(12),NDT(60,3),ISW(3500),ANGLE(60),YINT(60),DUMMY(84),
(6,3),NACHT(48),XCEN(12),YC1249), OctoberICH1972,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),JDX(4),JDY(4),PHS(4),IOV(2),IUN(2),I
CF(16),IFS,NFS,FX,FY,JK,PIC,KPIC,NCOUNT,NBIN,M
AXN,CTA,CTB,MX,MY,JA,JB,JC,JD,JE,JF,XF(20,3),YF
MMON/CJACK/NSY(20,30),NMS(20),NDR(20),NSR(20),
(20),BX(20),NST1(20),NST2(20),INER(20),DUMMY(84),
(60,3),NDMY(84),IDX(80),NDMY(80),NDR(20),NDMY(84),
(60,3),NDMY(84),IDX(80),NDMY(80),NDMY(80),NDMY(84),
(60,3),NDMY(84),IDX(80),NDMY(80),NDMY(80),NDMY(80),NDMY(80),NDMY(80),NDMY(84),
(60,3),NDMY(84),N

RUTHERFORD LABORATORY LECTURE

On Thursday 5 October at 1515 hours, in the Rutherford Laboratory Lecture Theatre, Professor H L Kornberg FRS of the University of Leicester, will talk on the "Regulation of Life Processes".

SUMMARY: The cells of living organisms break down food materials to (chemically) simple fragments, which are first reassembled to form cell components and then oxidized to provide energy for this and other energy requiring processes. The chemical sequences that enable these events to be sensitively regulated have the properties of feedback systems; such metabolic controls are mediated through changes in the architecture of key macromolecules.

For your diary - The next lecture in this series will be on 2 November, when Professor C Freeman, Director of the Science Policy Research Unit, University of Sussex, will talk on "Technical Progress and Limits to Growth".

FILM BADGE NOTICE

It is Period II. Colour Strip - BLUE for $\beta\gamma$ films and fast neutron packs. Six monthly TLD change for persons with surnames commencing 0, P, Q, R. Please check that you are wearing the correct dosimeters and that old ones are returned.

OVERSEAS VISITS

Mr K H Davies to the USA, 25 September - 3 October, to attend 2nd Nimbus F Satellite Experimenters Review at Goddard Space Flight Centre and GEC Philadelphia.

Dr G H Stafford to Wiesbaden, I - 2 October, to attend Executive Committee and Council meetings of European Physical Society.

The following will be attending High Field Pulsed Magnet Tests at CERN on the dates shown:-

Mr R T Elliott 30 September - 8 October
Mr M T M Glover 30 September - 8 October
Mr P S Flower I - 7 October
Mr H J Olive I - 7 October
Mr J E Ellis 2 - 7 October

Dr J R Smith to Wiesbaden, 2 - 7 October, to attend European Physical Society General Conference.

INTERNAL EVENTS

NIMROD LECTURE SERIES Tuesday 3 October II.30 Lecture Theatre

Please note that the lecture arranged for 3 October has been cancelled

HEP DISCUSSION GROUP Wednesday 4 October II.00 Conference Room, Building RI An analysis of KN and $\overline{\text{KN}}$ scattering amplitudes in the intermediate energy range Dr T Inami/RHEL

RUTHERFORD LABORATORY LECTURE Thursday 5 October 15.15 Lecture Theatre Talk on the Regulation of Life Processes (see Page I for details)

Professor H L Kornberg FRS

NIMROD LECTURE SERIES Monday 9 October II.30 Lecture Theatre Title to be announced later

Dr L Caveschi/CERN

NIMROD SCHEDULE

	***	MACHINE BUNCTOS	HIGH ENERGY	PHYSICS
CYCLE 12 19 9 72	- 10 10 72	MACHINE PHYSICS	HIGH ENERGY	11113103
Team	Beam	<u>Experiment</u>		State
Glasgow University RHEL	π9,Ν4	Polarisation Measurements in $\pi^- p$ Charge Exchange		Setting up
Bristol University Southampton University RHEL	K15	$K^{\dagger}p$ and $\pi^{\dagger}p$ Differential Cross–Sections		Data
Churchill Hospital Oxford RHEL	πΙΙ	Radiobiological Experiment		Data
Cambridge University	KI3C	Associated Production Cross-Sections		Parasitic

EXTERNAL EVENTS

BRITISH NUCLEAR ENERGY SOCIETY URE Thursday 12 October 18.00 Institution of Civil Engineers Great George Street, Westminster (Tel Ol 930 7444)

Nuclear Stability and the Super-heavy Elements

Dr J G Cunninghame/AERE Harwell

(Admission by ticket. Non-members welcome)

RUTHERFORD LABORATORY BULLETIN

Published by the Scientific Administration Group

Editor: H F NORRIS Room 42 Building R20

Deadline for Insertions GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Rutherford Laboratory Chilton Didcot Berks

Tuesday 1600

Wednesday 1200

Abingdon 1900 Ext 484

SOCIAL NEWS

HORTICULTURAL SOCIETY

Do not miss the lecture on Tuesday evening, 3 October at 7.30 pm in the Lecture Theatre. Tickets 15p from committee members or the Editor. Mr O J Clayton, Superintendent Floral Department at Wisley will talk on "Wisley Gardens throughout the Year".

RUTHERFORD FOLK CLUB

Owing to the SRC dance the next meeting of the Folk Club will be at 8 pm on 6 October in the Coffee Lounge R22.

Barry Dransfield

Solo singing with fiddle and guitar – he has appeared with "The Johnstones" and has made three LPs "Folky Blues".

CHRISTIAN FELLOWSHIP

Friday 6 October. As announced in last week's Bulletin, John Matthews, ex Rutherford employee, has recently returned from the Olympic Games in Munich travelling there in a double-decker bus with a group called the 'Jesus Liberation Front'.

All friends and ex-colleagues of John are welcome to join with us in the Lecture Theatre at $12.30 \ \text{pm}$ to listen to and meet him.

MESSAGE OF THANKS

Frank Cullen wishes to express his sincere thanks to friends and colleagues who contributed to the gift he received whilst in hospital recently.

SEVEN-A-SIDE SOCCER CHALLENGE TROPHY

28 Sep 1972		GR	OUP '	A'			
TEAMS	P	W	L	D	F	A	Pts
ATLAS	2	2	0	0	4	2	4
AERE 351	1	1	0	0	2	1	2
R 9	2	1	1	0	3	3	2
AERE G O	2	0	0	2	6	6	2
R 18	2	0	1	1	5	6	1
HALL 3	2	0	1	1	3	4	1
CADIV	1	0	1	0	1	2	0

28 Sep 1972		GI	ROUP	'B'			
TEAMS	P	W	L	D	F	A	Pts
TRANS	2	2	0	0	14	0	4
AERE 220	2	2	0	0	10	0	4
R 25	2	2	0	0	8	0	4
CASUALS	3	1	2	0	4	16	2
AERE ADMIN	1	0	1	0	0	0	0
STORES	2	0	2	0	2	12	0
DO	2	0	2	0	0	10	0