



Rutherford  
Laboratory

R(12), NDT(60,3), ISW(3500), ANGLE(60), YINT(60), DUMMY(R4),  
[6,3], NACHT(48), XCEN(12), YCFN(12), CHA(12), R  
MMDN/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(1  
DY(100,2), JDX(4), JDY(4), IHS(4), IDV(2), IUN(2), ID(2), IDE  
CF(16), IFS, NFS, FX, FY, JK, PIC, KPIC, NCOUNT, NBIN, MAX, UN  
AXN, CTA, CTB, MX, MY, JA, JB, JC, JD, JE, JF, XF(20,3), YF(20,3)  
MMDN/CJACK/NSY(20,30), NMS(20), NDR(20), NS(20), XA(20), YA  
(20), BX(20), NST1(20), NST2(20), INER(20), INET(20,30), AL(20,60)

**16-30 April 1973**

**bulletin 15**

#### RUTHERFORD LABORATORY LECTURE

The next lecture in this series is to be given by an old friend of the Laboratory. Professor W T Welford of Imperial College, a leading authority on optics, has been closely associated with bubble chamber optics at the Laboratory and as announced recently will be presented with the Thomas Young Medal and Prize at the Annual Dinner of the Institute of Physics on 1 May 1973. This award, made by the Council of the Institute, is for his contributions to optics, theoretical and practical, and in particular for his work on the optics of bubble chamber design and operation.

He is also known at the Laboratory for his collaboration in the design of the laser system in use on HPD 2, so it is with considerable pleasure and interest that we announce his forthcoming lecture which is at 15.15 on Thursday, 26 April in the Lecture Theatre. The title is "Holography for Beginners" and Professor Welford has kindly supplied the following summary:-

'Holography is an optical technique which can produce three dimensional images; the principles on which it works are very simple and in the lecture these will be traced back to the diffraction grating, to the iridescent colours of shells and insect wings and to the Lippmann process of colour photography'.

#### USE OF THE BLUE EXTERNAL VEHICLE PARK

Overparking in the BLUE vehicle park is still occurring and unless unauthorised vehicles stop using this particular area, stricter control of parking will be instituted to ease the problem.

It is emphasised that the BLUE vehicle park (at the South side of the site) is for the sole use of Laboratory staff and registered visitors who are accommodated or spend a large percentage of their time in the Nimrod area (Building R2, R3, R4, R5, R6, R7, R8, R51, R53 and R55).

Parking discs for display on windscreens of those vehicles authorised to use the BLUE vehicle park are available from the Administration Office in Building R2. Parking discs are not transferable. Vehicles not authorised to use the BLUE car park must use the other external vehicle parks.

#### BLOOD DONOR CLINIC

The next clinic on Monday and Tuesday, 16 and 17 April, will be held in the Director's Conference Suite, Building R1, between 10.00-12.00 hours and 13.00-15.00 hours daily.

Last September in response to an appeal made in the Bulletin, 240 people attended the clinic. Even more donors are required so why not help to beat the record - it's a very worthy cause - and free tea and biscuits!

There is plenty of time to sign on for this clinic - even come along on one of the two days. Give Mrs P Shipley a ring on extension 441 if you have any queries or if in the area go and talk to her.

#### FURNITURE FOR NEW LIBRARY

With construction work just starting on the new Library, it is appropriate to remind our readers of the furniture trials now in progress. Several manufacturers have lent us chairs (both easy and upright) which are in use in the R20 Library. Users are asked to record their comments on the comfort or otherwise of these seats in the note books which are attached to each chair. The opinions expressed will determine which chairs are bought - so record your vote to ensure that your personal geometry is taken into account. There are also some samples of shelving on which comments are invited. The trials will continue until the end of April.

#### OUTMUSTER, THURSDAY 19 APRIL

The Outmuster arrangements for Thursday, 19 April 1973 are as follows:-

There will be a joint departure of buses at 11.55 am. Bus positions will be altered for this outmuster; details will be circulated and also appear on Notice Boards.



## INTERNAL EVENTS

### NIMROD LECTURE SERIES

Monday 16 April

11.30

Lecture Theatre

Polarisation in Strong Interactions

*Dr R P Worden/RHEL*

### HEP DISCUSSION GROUP

Wednesday 18 April

11.00

Conference Room, Building R1

Theorems on Pomeron Coupling/Decoupling

*Dr I Moen/University of Cambridge*

### RUTHERFORD LABORATORY LECTURE

Thursday 26 April

15.15

Lecture Theatre

Holography for Beginners (see page 1 for details)

*Professor W T Welford/Imperial College*

### NIMROD LECTURE SERIES

Monday 30 April

11.30

Lecture Theatre

The Reactions  $K^-p \rightarrow \bar{K}^0 n$ ,  $K^-p \rightarrow \Lambda \pi^0$ ,  $K^-p \rightarrow \Lambda \eta$ ,  $K^-p \rightarrow \Sigma^+ \pi^-$ ,  $K^-p \rightarrow \Sigma^- \pi^+$  between 3 and 4 GeV/c

*Dr C Wohl/University of Oxford*

## STOP PRESS

### FILM SHOW

Friday, 13 April

12.40

Monday 16 April

13.15

Lecture Theatre

Alaska-The Great Land, 28 minute colour film.

The film examines the history of Alaska from Behring's discovery in 1741 to the present time. This is a fascinating land ruled by Imperial Russia for 126 years until it was sold to the USA just over a century ago for little more than seven million dollars.

### FOUND

Outside R1 a bound book entitled Optical Alignment. Owner please apply to the Editor.



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TELEPHONE DIRECTORY ALTERATIONS AS AT 4/4/73

ADDITIONS

AXFORD MRS M R	6284	AL	AL OPS
BEATY MISS I L	6284	AL	AL OPS
BAKER D	6222	R8	G.05 ENG NDG
COLLINS MISS G	383	RI	2.2 ADM GA
DOVER MISS M J	6299	R20	45 ADM FA
ELLWOOD M W	360, 363	RI	1.95 CA CO
GROVE M K	360	RI	CA CO
PALER K	248	RI	1.52 HEP BCR
PHILLIPS MRS S J	6106	AL	42 AL
POINTER MISS R	6284	AL	AL OP
WIGNALL DR J W G	6161	RI	1.82 HEP BCR

AMENDMENTS

ARNISON G T J	-	-	add 6238
BECK G A	delete 6268		add 370 6341
DOWNS R D	delete 6107		add 6656 6130
EDWARDS V W	-	-	add 6288
EVANS M J C	delete 6334		add 6384
GRAY R J	delete 6270 6698		add 213 6362
HARDEN F	delete 6287		- - -
HARRIS P C G	delete 570		add 390
HOWARD MISS P S	delete 6251		add 360
JUDD B P	delete 6689 6318		add 538 6322
VOLLMER MISS I	delete 6138		add 6188

SOCIAL NEWS Cont:

CHESS MATCH

In a chess match played recently the Laboratory team lost to Wantage by one point Bob Maybury, Martin Evans and Rob Hambleton had good wins and Pete Craske drew his game in a very enjoyable match.

Board	Wantage			Rutherford Lab	
1	G A Jones	½	v v	P Craske	½
2	J Cliffe	1	v v	S K Chanda	0
3	R Davidge	0	v v	R Maybury	1
4	P Hemmings	1	v	D Gibbings	0
5	N Hepworth	1	v	J Godfrey	0
6	P Chandler	1	v	D R Culliford	0
7	W Axton	0	v	M Evans	1
8	D Punter	0	v	R Hambleton	1
		<u>4½</u>			<u>3½</u>

HORTICULTURAL SOCIETY  
EVENING LECTURE

Dont forget the evening lecture on Flower Arranging by Mrs J S Graham. All indications are that this is going to be very popular and to help arrangements it would be appreciated if people intending to come would buy their tickets as soon as possible. Tickets are available from Mrs V Goodwin R1 and Mr R Brabben R20 at 15p which includes refreshments. The lecture is at 19.30 on Tuesday 17 April in the Lecture Theatre.

RUTHERFORD LABORATORY BULLETIN

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Editor: H F NORRIS

Deadline  
for  
Insertions

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Room 42 Building R20  
Rutherford Laboratory  
Chilton Didcot Berks  
Abingdon 1900 Ext 484

Tuesday 1600

Wednesday 1200



#### OBITUARY NOTICE

We deeply regret the death of Miss J Jones on Monday, 9 April as a result of a motor accident. She was aged 25. Jean Jones, a Personal Secretary employed at the Atlas Laboratory since the first of January this year previously worked at AERE. She will be sadly missed both by her friends and colleagues at the Atlas Lab and at AERE. We extend our deepest sympathy to her family.

#### EASTER HOLIDAY LAST MAIL COLLECTION

The last delivery of Atlas and Rutherford Mail to the Post Office will leave the Post Room, Atlas Laboratory at 11.00 hours on Thursday, 19 April. Mail reaching the Post Room after this time will not be taken to the Post Office until Tuesday, 24 April.

#### FILM BADGE NOTICE

It is Period 4. Colour Strip - ORANGE for 8y films.

Neutron packs for the next period are being sent out a week early (on 16 April) for the start up of Nimrod and will be worn for 5 weeks.

Next film change - Tuesday, 24 April. Colour Strip - YELLOW.

TLD change for people with surnames commencing Q R S T.

#### NATIONAL SAVINGS CERTIFICATES. SALARY CYCLE ENDING 30 APRIL 1973

Certificates can be collected from the Cash Office, Building R20 from 1 May onwards. New members wishing to join the scheme can obtain enrolment forms from the Cash Office. Forms must be returned not later than 4 May 1973.

#### FROZEN ORDER?

"Owner required for one Automatic Biological Freezer Type BV4 received from Cryosan Ltd." Would the person expecting delivery of this item please contact Stores Receipts Building R56 Ext 412.

#### OVERSEAS VISITS

Mr H Wroe, to Munich, 15-19 April to check calibration of standard photo multiplier for S2/68 Project at the Max-Planck Institute for Extra Terrestrial Physics, Garching.

Dr G P Gopal, to the USA, 19 April to 5 May, to attend Baryon Resonance Conference at Purdue University, to attend Washington APS Meeting and to visit BNL, ANL and NAL.

#### LOST

The Director has lost a Parker Biro somewhere in the Laboratory. Will the finder please return it to him or his Secretary.

## SOCIAL NEWS

#### THE SUMMER GAME

Cricketers are required for the Rutherford Laboratory team to play in the AERE Evening League Competition. This will involve 4 games during the period, beginning of May to end of July. Players of any standard welcome as long as they are keen.

The Lab may also have other games in the evenings against local teams. If you are interested please contact P Craske, Ext 232.

#### RECORD SOCIETY

Please note change of day to Wednesday 18 April at 12.40 in the Lecture Theatre.

London Symphony - by Vaughan Williams, LPO with Sir Adrian Boult

#### CHRISTIAN FELLOWSHIP

The next meeting is on Friday, 27 April at 12.30 in the Conference Room R12.

Where do we come from? What is our Destiny? Dr John Savage of the Medical Research Council will be leading the first of a series of three talks on the subject "A Christian View of Man". The talks will revolve around the early chapters of Genesis and the first one will be 'Origins of Man'. These meetings are expected to be highly interesting and all are welcome to come along. There will be time allowed for discussion.

*Social News continued on p3*