

# bulletin

OBITUARY NOTICE

We deeply regret to announce the sudden death of Mr M J A Carrington on Thursday 28 February. He was aged 42. Mick a PTO II, Joined the Laboratory in February 1961 after serving in the Royal Navy from 1946. He had been a member of the Nuclear Physics Apparatus Group since its formation, and will be sadly missed by his many friends and colleagues. We extend our deepest sympathy to his wife and two children.

Mrs Carrington wishes to express her thanks for the help and sympathy extended to her in her recent bereavement and for the many floral tributes received from her husband's colleagues at the Laboratory.

PAPER ECONOMY

Paper supplies continue to be in very short supply and Her Majesty's Stationery Office has asked all Departments for a reduction of 50% of normal consumption. Converted paper items particularly envelopes are also seriously affected. Manufacturers of plain paper for Rank Xerox machines are already restricting deliveries to half normal consumption and copying should therefore be kept to an absolute minimum. All paper and card for printing is also very difficult to obtain.

The following hints and tips on paper saving are offered by HMSO:-

#### Ways of reducing paperwork

Reports confined within a single Department should as far as possible be brief notes of agreed action, summary of accepted recommendations etc. Factual historical background should be kept to the essential minimum. Argumentation for and against unresolved issues should never be recorded unless it is clear that it will bring about a decision.

Retyping letters, reports etc merely to improve style should stop. If the content is correct and clearly expressed it should be issued.

Where comments are brief, make them minimal and write them in manuscript.

Do not write what can be telephoned or dictate what can be shortly written.

Return wordy documents to their originator to be shortened (this may mean more typing immediately but it will save in the long run).

#### Distribution and storage

Use notice boards and accession lists to reduce distribution of circulars, office notices, house journals, etc.

Reconsider frequency of all regular publications.

Critically review all distribution lists. No spares should be allowed for.

Ensure paper, forms and envelope stocks are dust-and damp-free.

#### Typing procedures

Use both sides of the paper and single spacing.

Smaller type faces should be used more extensively.

Typists should not produce more copies than requested. Where a master is required for photocopying a copy is not necessary. (The original could be corrected <u>softly in pencil</u>).

Use A5 paper for short items (or preferably write them).

Manuscripts amendments to letters, minutes, reports etc are perfectly acceptable.

#### Miscellaneous

Retrieve and use for drafts, notes etc the reverse of any Xerox copies, circulars, etc which are blank.

# INTERNAL EVENTS

NIMROD LECTURE SERIES Monday 18 March ||.30 Lecture Theatre

HEP SEMINAR Wednesday 20 March II.00 Conference Room, Building RI

SEMINAR IN COMPUTING Friday 22 March II.00 Conference Room, Building R2

NIMROD LECTURE SERIES Monday 25 March II.30 Lecture Theatre

TRADE DEMONSTRATION
Tuesday 26 March
09.30 - 14.00
East Wing Conference Room,
Building RI

HEP SEMINAR Wednesday 27 March II.00 Conference Room, Building RI

NIMROD LECTURE SERIES Monday | April ||.30 |Lecture Theatre K p and pp Charge Exchange
Dr D Websdale/CERN and Imperial College

The Renormalisation Group

J C Collins/Cambridge

A User's Experience of the GEC 4080

D Maden

This talk is about the GEC 4080 computer which is to be used to control the KI7 experiment in Hall 3. The hardware of this computer includes many advanced features which facilitate the implementation of a multi-processing operating system. These features and the role of the computer within the KI7 experiment will be discussed.

Results from CERN ITEP Collaboration at Serpukhov

Dr W Kienzle/CERN

Hewlett-Packard Ltd will be demonstrating their new range of instruments including digital multimeters with some unique features.

Approach to Asymptopia in Electron-Positron Annihilation into Hadrons

D K Choudhury/Oxford

Baryon Resonances below 2 GeV: Their Poles, Their Classification and Their Decays

Dr R Cashmore/Oxford

# EXTERNAL EVENTS

OXFORD UNIVERSITY

ELEMENTARY PARTICLE PHYSICS SEMINAR/NP LAB - 1430 hours 21 March: Antiproton-Proton Annihilation to  $\pi^+\pi^-$  and  $K^+K^-$  for Incident Momenta in the Range 0.7 to 2.4 GeV/c - Dr D P Jones/R.L.

BRISTOL UNIVERSITY

PHYSICS AND GEOPHYSICS COLLOQUIUM - 1700 hours

25 March: Physics and Physics Teaching in Chili - Dr J A Eades/Bristol.

READING UNIVERSITY

APPLIED PHYSICAL SCIENCES COLLOQUIUM - 1630 hours

20 March: Design and Testing of Low Frequency Sound Absorbers - Mr N J Pittams.

SOUTHAMPTON UNIVERSITY

THEORETICAL AND HIGH ENERGY PHYSICS SEMINAR - 1430 hours

22 March: Four-Dimensional Field Theories Invarient under Supergauge Transformations -

Dr J Illopoulos/CERN.

ROYAL HOLLOWAY COLLEGE

HIGH ENERGY PHYSICS SEMINAR - 1500 hours

19 March: Inclusive Results in K p Scattering at 14.3 GeV/c - Dr K Paler/R.L.

INSTITUTE OF PHYSICS

JOINT MEETING WITH THAMES VALLEY PHYSICS CENTRE, READING UNIVERSITY - 1945 hours 20 March: Energy and Materials Resources - Dr P Chapman/Open University.

DARESBURY LABORATORY

DARESBURY LECTURE SERIES - 1400 hours 26 March: Phenomenology of  $\pi^-p \rightarrow \pi^-\pi^+n$  - A D Martin/Durham

THEORETICAL PHYSICS SEMINAR - 1400 hours 25 March: Size of Polarization in Inclusive Processes - Dr D Wray/UCL.

EVENTS AT HARWELL

THEORETICAL PHYSICS SEMINAR/CONFERENCE ROOM, BUILDING 8.9 - 1400 hours

19 March: Black Holes and Quantisation - Prof J G Taylor/King's College, London.

NUCLEAR PHYSICS SEMINARS/CONFERENCE ROOM, HANGAR 8 - 1530 hours 21 March: Gravitational Radiation - Prof W D Allen/R.L and Reading University. 28 March: Radiocarbon Measurement and Dating - Mr R L Otlet/N.P Division.

CHRISTIAN FELLOWSHIP

(contd from page 4)

a time of fellowship. All are welcome to come along at 12.30 in the Conference Room,

Building RI2.

Friday 29 March: 'One Lord, one faith, one baptism' - Ben Kingdom of Building R2O, will be leading a Bible Study on Ephesians, Chapter 4, at 12.30 in Conference Room R12.

All are welcome to come along.

Advance Notice A colour film entitled 'Footprints in Stone' will be shown in the

Lecture Theatre at 12.35 on 5 April.

SEVEN-A-SIDE-SOCCER

The fixtures for the next 2 weeks are as follows:-

Tues. 19 March C.A. v Rovers Tues. 26 March C.A. v R25
Thurs. 21 March Apprentices v Nomads Thurs. 28 March R9 v RHG
Fri. 22 March G.O. v Building R35 Fri. 29 March Taylors v Apprentices

RUTHERFORD LABORATORY BULLETIN

Published by the Scientific Administration Group

Editor: H F NORRIS

Deadline for

GENERAL & SOCIAL NEWS

INTERNAL & EXTERNAL EVENTS

Room 42 Building R20 Rutherford Laboratory Chilton Didcot Berks

Insertions

Tuesday 1600

Wednesday 1200

Abingdon 1900 Ext 484

Encourage greater re-use of old envelopes and make full use of circulation folders and transit envelopes.

Wider use of compliment and acknowledgement slips in place of routine letters.

Make greater use of telecommunications, e.g.

Telephone discussion rather than letters/minutes Requests for letters confirming telephone conversations should be declined

### MISSING EQUIPMENT

The following item of equipment has been reported missing from Building R8:-

Industrial Blower AERE No. 7706

Anyone with information on the present whereabouts of this item is asked to contact R Lascelles, Building R2, Ext. 6160/6222.

Inventory Section, Building R2 Ext. 570 are seeking information on the present whereabouts of a Diehl Electric Calculator, Type VSR 18, Serial No. 1254394.

#### FILM BADE NOTICE

It is Period 3. Colour Strip - PURPLE for  $\beta\gamma$  films. Please check that you are wearing the correct film and that all old ones are returned.

Next film issue, Monday 25 March.

#### CONFERENCE NOTICES

A Conference on 'Environmental Sensors and Applications'(Problems and Trends) is being jointly organised by the IERE in association with the IEE, Inst of Phys and the IEEE and will be held at the Royal Society on 18 and 19 November 1974. Further information including call for papers deadlines, subject matter etc from the Editor.

Information to hand on the 9th Finnish Summer School in Theoretical Physics (Subject - Advances in Particle Physics), 20-28 June 1974 Including limited number of application forms. Contact Editor for further details.

#### OVERSEAS VISITS

Dr R S Orr, to CERN, 15 March - 5 April, for tests of liquid argon calorimeter. Dr C M Fisher, to CERN, 17 - 20 March, to present case for Rapid Cycling facility to CERN T.C.C Working Party. Dr L C W Hobbis, to ILL Grenoble, 21 - 22 March, to attend meeting of Scientific Council. Dr R Madden, to Budapest, 24 - 27 March, to attend 1974 workshop on real time programming and to present paper on the  $\pi 9$  operating system. The Director to CERN, 25 March for one day, for discussions on National Accelerator Programme. Mr E W Fitzharris to the USA, 27 March - 9 April, for discussions at A.N.L.

# SOCIAL NEWS

# ATLAS & RUTHERFORD TABLE TENNIS TOURNAMENT

The club's singles and doubles handicap tournaments were held recently. Everyone had an enjoyable time and some close matches resulted. In the singles semi-finals, Eric Thomas managed to beat D P Roy in three games after giving him 15 points start in each game, while Bob Hopgood found it just too much in giving 14 points to Alan Pitchers; Bob however did win one game 21-15. In the final, Alan with 13 points start over Eric, won the first game 21-14 but Eric managed to chop his way to victory 23-21, 21-15. Partners for the doubles were drawn from a hat and the winning combination in an all-playall competition, was Peter Smith and D P Roy.

## CHESS TOURNAMENT 1973-74

Another fine tournament with some excellent games, the standard of chess seems to be improving each year.

For the second year running the final result produced a tie with Peter Hemmings sharing first place with - YES - Bill Turner. Congratulations to both players.

Final placings - Bill Turner and Peter Hemmings, 8 points. John Guy, Jim Riddle, Mike Elder and Mick James, all with 6 points and Peter Craske and Alan Maybury with 5½ points.

## CHRISTIAN FELLOWSHIP

Friday 22 March: A Meeting will be held to discuss the forthcoming programme and to hold