

27 February - 13 March 1978

CROSSING PROBLEM The Harwell Parish Council has drawn attention to the amount of pedestrian and cycle traffic which comes up from Harwell village to the Harwell site using a track called the Winnaway. This joins the 4185 near the houses in the North Drive area.

Since the new section of the A34 has been opened, traffic has been flowing from the Harwell site very quickly in the evening and apparently it has become difficult for pedestrians and cyclists to get across the road at that time.

Therefore, staff are asked to drive with care and consideration in that area at going home time.

SAFETY FILM SHOW "On the Safe Side," a 20 min, colour film sponsored by UKAEA, dealing with hazards encountered in high voltage research laboratories, on Wednesday 15 March at 1230 and 1315 hrs, Lecture Theatre.

HORTICULTURAL SOCIETY LECTURE The next evening lecture is on Wednesday 1 March at 1930 hours in the Rutherford Laboratory Lecture Theatre when we have two speakers: Miss Win Stanton who will talk about California and Arizona and Mr Phillips whose subject will be Jamaica. Both talks will be illustrated by slides. Entrance fee: 25p for members, 30p for non-members which includes coffee and biscuits. There will also be a raffle, with no doubt, a large collection of prizes.

HORTICULTURAL TRIP TO CHELSEA The Chelsea Flower Show is only 12 weeks away and as usual, a coach trip is being organised for Friday 26 May 1978, which includes a morning in Windsor. Ring Val Goodwin Ext 6256 for further information.

CHRISTIAN FELLOWSHIP Friday 3 March: This month's prayer meeting will be led by Mrs Rosemary Rolls. As usual if you have any requests for prayer, please contact a member of the Fellowship and we will be pleased to include them.

All are invited to see the 35 min, film "The New Chuck Colson", on Friday 10 March, 1240, Lecture Theatre. Charles Colson, described by Time Magazine as "tough, wily, nasty and tenaciously loyal to Richard Nixon", pleaded guilty to the charges made against him and then stunned those observing the Watergate scandal by stating he had become a Christian. What happened to him during that time and what effect has it had upon his life?

FILM BADGE NOTICE Period 3 commences Monday, 27 February. Colour Strip - RED for $\beta\gamma$ films and neutron packs. Please change your films promptly and return all old ones.

Six monthly dosimeter change for people with surnames commencing I, J, K and L.

EXTERNAL EVENTS

ELEMT PART PHYSICS SEMINAR/NP DEPT, OXF - 1430 hrs

3 Mar: Prof A S Goldhaber/SUNY & Sussex - High energy collisions of nuclei: bang or bust?

THEORETICAL PHYSICS SEMINAR/CLARENDON LAB, OXF - 1615 hrs

2 Mar: Prof F D Kahn/Manchester - Nuclei of quasars and radio galaxies.

NUCLEAR STRUCTURE SEMINAR/NP DEPT, OXF - 1430 hrs

6 Mar: Dr J E Lynn/AERE - The new electron Linac at Harwell (title to be announced).

OXFORD UNION LECTURE The Gilbert Murray Memorial Lecture is to be given at 2000 hours Wednesday 1 March in the Oxford Union.

The Rt Hon David Owen, MP, Secretary of State for Foreign and Commonwealth Affairs will be speaking on "The Dangers of Ignoring the Third World".

Limited number of Tickets available from Martin Wilson, Ext 6134.

OVERSEAS VISITS Mr G H Adamson and Mr G A Lambert, to the USA, 26 Feb-18 Mar, to attend

"SHARE 50" Conference and visit other establishments for discussions.

Dr R Mayburg, to CERN, 27 Feb-3 Mar, for software discussions.

Dr M Edwards, to CERN, 27 Feb-8 Mar, work on Drift and Proportional Chambers for EMC.

Mr A R Mortimer and Mr D Clarke, to DESY, 28 Feb-2 Mar, for technical discussions on JADE project.

Dr J C Thompson, to DESY and CERN, 28 Feb-7 Mar, for discussions.

Dr S F J Read, to Zurich, 28 Feb-4 Mar, to attend 3-day Conference on Refrigeration.

Dr B Franek, to CERN, 28 Feb-7 Mar, WA30 experiment running.

Dr K Green, to ILL, 28 Feb-13 Mar, to work on neutron lifetime experiment.

Dr J J Thresher, to CERN, 1-7 Mar, to work on Pro 140 (test run).

Dr J D Lawson, to Switzerland and Germany, 5-11 Mar, to attend symposium on Relativistic Heavy Ion Research at Darmstadt, and to visit CERN.

Dr R C Hwa, to CERN and France, 7-18 Mar, for consultation in Theory Division, CERN and to attend XIII Rencontre de Moriond at Les Ares.

Dr W Cameron, to CERN, 9-19 Mar, and 30 Mar-2 May; work on WA30.

Dr D J Crennell, to CERN, 9-20 Mar, to work on WA30.

Dr J G V Guy, to CERN, 9-23 Mar and 3-28 April; work on WA24 and WA30.

Dr R G Roberts, to France and CERN, 10-20 Mar, to Rencontre de Moriond Conference and visit CERN.

Dr D Morgan, to France and CERN, 12-22 Mar, to Rencontre de Moriond Conference and to visit CERN.

Mr J F Ayres and Mr A W Eastwood, to CERN, 13-15 Mar, for discussions on RCBC instrumentation and control.

Dr R J N Phillips, to CERN and France, 16-24 Mar, for discussions at CERN and to attend 2nd session of Rencontre de Moriond Conference.

SALES TO EMPLOYEES Sales of scrap metal/plastic as set out in RLN 12/75 will be made on 3, 17 and 31 March.

HEP SEMINARS/ROOM B, CAVENDISH LAB, CAMBRIDGE - 1500 hrs

1 Mar: F P Payne/Cavendish - Quantun number structure of jets in e^+e^- annihilations.

8 Mar: K Barnham/IC - Neutrino interactions in BEBC.

15 Mar: C P Bust/Cavendish - 100 GeV/c $p\bar{p}$ interactions.

HEP SEMINAR/ROOM A, DAMPT, CAMBRIDGE - 1500 hrs

2 Mar: Dr P Senjanovic - Particle-string variables in field theory QCD₂(!) and beyond (?).

External events continued on p 2.

NIMROD LECTURE SERIES
Monday 27 February at 1130
Lecture Theatre

Recent Developments in High P_T Physics
R Baier/Bielefeld

COMPUTING SEMINAR
Tuesday 28 February at 1400
R27 Colloquium

The Interactive Computing Facility
Dr P G Davey/Atlas Computing Division

HEP SEMINAR
Wednesday 1 March at 1100
R61 Conference Room

New Symmetries for Elementary Particle?
K Barnes/Southampton

NIMROD LECTURE SERIES
Monday 6 March at 1100
Lecture Theatre

Particle Interactions Above 10 TeV - Hints from Cosmic Rays.
Dr T Gaisser/Bartel Research Foundation, Delaware & Dr G B Yodk/Maryland University

COMPUTING SEMINAR
Tuesday 7 March at 1400
R27 Colloquium

Real Time Languages - eg MORAL and MASCAL
K Jackson/RRE Malvern

HEP SEMINAR
Wednesday 8 March at 1100
R61 Conference Room

Lorentz Invariant and Gauge Invariant 2 Dimensional QCD
M B Green/Oxford

NIMROD LECTURE SERIES
Monday 13 March at 1130
Lecture Theatre

What is (Un-) Known About the τ ?
Dr G Knies/DESY

External events continued from p 1.

HEP SEMINARS/BIRMINGHAM - 1615 hrs

- 3 Mar: Dr G Ringland/RL - Recent advances in high P_T physics.
- 10 Mar: Dr J Storrow/Manchester - High energy photo-production: do we understand it?
- 17 Mar: Dr N Parsons/Oxf - Mechanisms for quark confinement in gauge theories.

THEORY GROUP SEMINAR/DARESBURY LABORATORY - 1400 hrs

- 27 Feb: Dr N Sanderson/DL - Reactions studied with high energy carbon and boron ions.
- 6 Mar: Prof P N Butcher/Warwick - Hopping conductivity
- 13 Mar: Dr J C Inkson/Cavendish - Bonds, bands and excitations in semi-conductors.

HEP SEMINARS/MANCHESTER - 1415 hrs

- 28 Feb: N McCubbin/RL - High P_T physics at the ISR (4th floor seminar room).
- 7 Mar: G Kramers/DESY - Title to be announced (4th floor seminar room).
- 10 Mar: R Palmer/BNL - Upsilon production at the ISR (Moseley Lecture Theatre) - provisional.
- 15 Mar: G Kramers/DESY - Title to be announced (Niels Bohr Common Room at 1430 hours).

THEOR PHYS SEMINARS/NIELS BOHR C.R., MANCHESTER - 1430 hrs

- 1 Mar: Dr D Wallace/Ston - Tunnelling in quantum and statistical physics.
- 8 Mar: Dr P B Jones/Oxf - Particle Acceleration at the Magnetic Poles of a Neutron Star.
- 15 Mar: Prof G Kramer/DESY - Title to be announced. (Joint with High Energy).

SCHUSTER COLLOQUIUM/RUTHERFORD LECTURE THEATRE, SCHUSTER LABS, MANCHESTER - 1615 hrs

- 7 Mar: Prof R V Jones/Aberdeen - Experiments on aether drag and momentum of a photon in a medium.

NUCLEAR PHYSICS SEMINARS/SURREY UNIV - 1400 hrs

- 1 Mar: H Weidmuller/P Butler/J S Lilley - N1 Group Meeting.
- 8 Mar: R J Griffiths/Kings - Spin-orbit potential anomaly
- 15 Mar: A Ioannides/Surrey - P-2P reactions: Pauli and off-shell effects and choice of geometry.

THEORETICAL PHYSICS SEMINARS/QMC - 1615 hrs

- 27 Feb: Dr A D Yoffe/Camb - Electrons in one and two dimensional solids.
- 6 Mar: Dr A J Legget/Sx - Possible macroscopic effects of the weak interaction.
- 13 Mar: Dr G A Gibbons/Camb - Gravitational instantons and the high temperature limit of general relativity.

NUCL PHYS DIV COLLOQUIA/CONF RM, H8, AERE - 1515 hrs

- 2 Mar: Mr K D B Johnson/Director, Authority Fuel Processing Directorate - Fuel processing - where do we go from here?
- 16 Mar: Dr J M Freeman/NP Div - Highlights from 27 years research at Harwell.

THEOR PHYS SEMINARS/CONF RM, BLDG 8.9 AERE - 1400 hrs

- 28 Feb: Mr J D Hughes/MDD - Strong carbon fibres make the strongest composites.
- 7 Mar: Dr J Garnish/ETSU - Geothermal energy: implications for the UK.
- 14 Mar: Dr K H Winters/TPD - Electron-atom collisions at fusion energies.

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