

HARWELL bulletin

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GLAZEBROOK MEDAL – awarded to HARWELL Director

The Institute of Physics has awarded the 1975 Glazebrook Medal and Prize to Dr. Walter Marshall for his highly successful direction of research and development work in the Atomic Energy Authority, and particularly, the administration of HARWELL.

This award is made annually for outstanding contributions in the organisation, utilisation or application of science. The medal was named after Sir Richard Glazebrook, FRS (1854-1935) who worked with Clark Maxwell and Lord Rayleigh at the Cavendish Laboratory, Cambridge and subsequently became the first head of the National Physical Laboratory (1900-1919).

Previous recipients of the Glazebrook Medal have included Lord Hinton, former Managing Director of the Reactor Group and Member of the AEA (1966) and Lord Penney, former AEA Chairman (1969). In 1964 the Institute awarded the Maxwell Medal and Prize to Dr. Marshall for outstanding contributions to theoretical physics.

Since Dr. Marshall's appointment as Deputy Director in 1966 and Director in 1968, HARWELL has become firmly established in a wide range of non-nuclear activities, and its annual income from this work has risen to some £8 million.

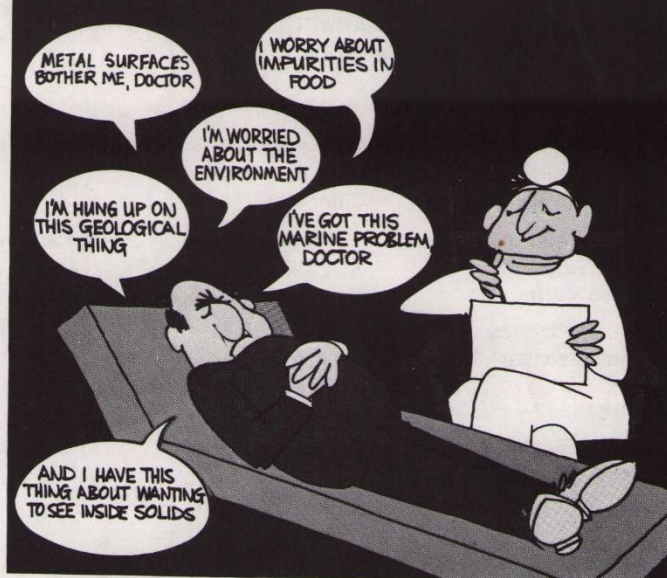
DATE FOR A DRINK – Carbon-14 measurements

About 40 samples of alcohol are being tested at HARWELL for their Carbon-14 content on behalf of a major British importer; the work is being carried out by Bob Otlet and his staff in the Low Level Measurements Group of Nuclear Physics Division. The tests measure the radioactivity arising from Carbon-14 in the specimens. The figures are compared with those relating to standard specimens of recently produced 'wine' alcohol and because synthetic alcohol is derived from coal or oil and therefore has a very low Carbon-14 content, a comparison of the figures indicates the proportion (if any) of synthetic alcohol in the specimens. Chemically, the two are identical.

According to the 'Sunday Telegraph' (16 February) these and other Carbon-14 test results will form part of the evidence in a claim for compensation that port wine importers are planning against the Portuguese Government. It is alleged that the Portuguese State alcohol monopoly illegally channelled synthetic alcohol into the 1972-73 production of port wine during a shortage of traditional grape-derived spirit. Negotiations are going on in Brussels to ascertain whether a Common Market regulation stating that all fortifying alcohol must be of grape origin can be waived. If it is not, millions of bottles will be unsaleable. Until a decision is reached, the wine is being sold in the normal way.

A recorded interview with Bob Otlet is expected to form part of the 'Science Now' programme on BBC Radio 4 on Saturday 22 February at 11.30 a.m.

MAYBE A LITTLE ANALYSIS WOULD HELP



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sample analysis, the development of a new instrument or technique, or the interfacing of analytical equipment with a computer to provide automatic control and data processing.

If you would care to know more about the Harwell treatment, and find out how these analytical services might help you, write or ring Mr. T. Carter, Harwell Analytical Services, Building 551, Harwell, Oxon OX11 0RA. (Tel: Abingdon (0235) 4141 Ext. 4151).

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HARWELL
Research Laboratory of the U.K. Atomic Energy Authority

HARWELL ANALYTICAL SERVICES – promotional campaign launched

The above advertisement (in A4 size) is currently appearing in five journals - 'Laboratory News Europe', 'Engineer', 'Chemistry in Britain', 'Processing' and 'British Journal of Hospital Medicine'. The advertisement is part of a joint campaign for the Physico-Chemical Measurements Unit, Analytical Research & Development Unit, Solid State Instruments Group, High Voltage Microscope Group and Nuclear Physics Division. A similar illustration to that shown above will be used in a leaflet (with reply paid card) which will be posted directly to five thousand potential customers. Another leaflet is being prepared for insertion in 'Chemistry in Britain' (circulation 33,000) and 'Laboratory News Europe' (32,000). All responses will be carefully monitored. Further information on this promotional campaign can be obtained from Mr. Vic Wheeler (Applied Chemistry Division, Ext. 3025) or Mr. Gerry Gibbons (PR Group, Ext. 2055).

ENERGY — evidence to Select Committee

Michael Kenward, Technology Editor of 'New Scientist' was present on 12 February when Dr. Marshall, as Chief Scientist to the Department of Energy, appeared before the Energy Resources Sub-Committee of the House of Commons Select Committee on Science and Technology. He reported that Dr. Marshall had told the Committee that it had not yet been possible to produce a research and development strategy for conservation and alternative sources of energy but that he hoped to do so in about 12 months. Dr. Marshall commented that in energy research time horizons were very long. Any obvious major scheme for energy conservation would be given the highest priority. Government spending on conservation R & D in the UK was very small compared with other countries. The AEA's nuclear programme and the work on offshore technology absorbed most of the research budget of the Department of Energy, leaving £0.2M for the Energy Technology Support Unit at HARWELL and £0.2M for the existing programme on conservation.

DIARY OF EVENTS

Theoretical Physics Division Seminar	F.R. Farmer (Director, SRD, Culcheth)	'Accidents in fast reactors'	1975 Tuesday, 25th February at 2.00 p.m. Conf. Room, Bldg. 8.
Environmental and Medical Sciences Division Colloquium	A. Morgan and J.C. Evans	'Asbestos: health hazards and current research at Harwell'	Wednesday, 26 February at 3.30 p.m. Colloquium Room, Bldg. 551.
Materials Physics Division Seminar*	Dr. D. Pooley	'The work of the Applications Group'	Thursday, 27 February at 11.00 a.m. Conf. Room, Bldg. 521
*Admittance by H4 Red passes only.			
Applied Chemistry Division Colloquium	Dr. S.D. Robertson (Shell Labs., Amsterdam)	'Temperature-programmed reduction of silica-supported copper/nickel catalysts'	Thursday, 27 February at 2.00 p.m. Large Conf. Room, Bldg. 220.24.
Joint Computational Maths. and Applications Seminar	N.K. Nichols (Reading University)	'Numerical solution of a boundary value problem'	Thursday, 27 February at 2.15 p.m. Education and Training Centre.
Nuclear Physics Division Colloquium	Dr. V. Schonfelder (Max Planck Inst. for Extra-terrestrial Physics)	'High altitude astronomy using nuclear techniques'	Thursday, 27 February at 3.30 p.m. Conf. Room, Bldg. 8.

EVENT AT RUTHERFORD LABORATORY

Nimrod Lecture	Dr. J.S. Ball (CERN)	'Diffraction scattering at infinite energies'	Monday, 24 February at 11.30 a.m. R.L. Lecture Theatre.
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OUTSIDE EVENTS

Oxford University Colloquium	Dr. R.W.P. McWhirter (Appleton Lab., Culham)	'The energy balance of the solar corona and transition region'	Friday, 28 February at 4.15 p.m. Lindemann Lecture Theatre, Clarendon Laboratory, Parks Road, Oxford.
Dept. of Eng. Science	Dr. P. Buckley (Oxford University)	'Non-linear viscoelastic behaviour of solid polymers'	Friday, 28 February at 4.30 p.m. Lecture Room 3, Engineering Laboratory, Parks Road, Oxford.

SENIOR STAFF MEETING

The Director will hold a meeting with HARWELL senior staff in the Cockcroft Hall on Wednesday, 26 February at 9.00 a.m. Tickets are available from DAOs to Harwell staff of PSO, equivalent and higher grades. Admittance is restricted to holders of plain H4 red passes. Passes must be shown and tickets given up at the entrance to the Lecture Theatre.

ERRATUM — to ERRATA

The editor has apologised to Mr. George Fowler, whose name was omitted from bulletin 75/5 and was also mistakenly given as George Fisher in bulletin 75/6.

MISSING PROPERTY

If you know the whereabouts of the following equipment which was borrowed from Mr. R.J. Francis, B.393, would you please contact the DAO, Metallurgy Division (Ext. 4830) — SOLARTRON Stabilised Power Supply Unit Constant current/constant voltage 40V 5A - Loan Pool No. LP5389.