

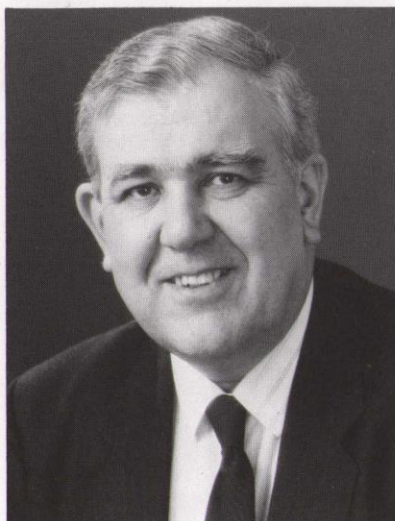
Bulletin

News from the UKAEA's Harwell Laboratory

FRS for AEA Chairman

Mr John Collier, Chairman of the AEA and Nuclear Electric, has been elected a Fellow of the Royal Society. He said, "Obviously I consider it a great honour, the more so given that I am an engineer, not a scientist."

John Collier joined Harwell in 1951 as an engineering student apprentice. At the end of his second year he was awarded a scholarship to University College, London from where he graduated in chemical engineering in 1956. He carried out research on a variety of heat transfer topics until 1962 when he joined Atomic Energy of Canada Ltd, to work on the CANDU reactor system. In 1964 he returned to Harwell and worked on liquid metal safety and



Mr John Collier

energy research. From 1966 to 70 he was Head of Engineering Division at the Research Laboratories of Atomic Power Constructors Ltd.

John Collier returned to Harwell once again in 1970 initially as Leader of the Engineering Sciences Group, then as Head of Engineering Science Branch and finally, in 1975, as Head of Chemical Engineering Division. In 1977 he joined the newly created Atomic Energy Technical Unit, becoming its Director in 1979. He became Director of Safety & Reliability, Culcheth in 1982 and a year later left to join the CEGB as Director General of the Generation Development & Construction Division at Barnwood.

Joint solution to groundwater contamination problems



AEA Environment and Energy and Hydraulics Research Ltd, of Wallingford have joined forces to launch a new service in groundwater contamination modelling.

The pollution of natural groundwater by potentially hazardous substances is the focus of increasing public and governmental concern. New legislative requirements and codes



Mr John Weare, Managing Director of Wallingford Hydraulics Research with Dr John Rae, Chief Executive of AEA Environment and Energy, at the signing of the new joint service in Groundwater Contamination Modelling.



of practice demand increasingly accurate predictions and assessments of the impact of such pollution. To meet this need, Hydraulics Research and Harwell are offering a comprehensive package of services incorporating the best available modelling tools and unparalleled expertise for solving groundwater contamination problems.



End of an era for Harwell Council



The Harwell Council has lost five important members due to retirement:-

Dr Vic Crocker, Director of Environmental & Underlying Research, joined Harwell in 1951 after obtaining his PhD in nuclear physics from the University of Birmingham. As a member of the Reactor Physics Department he was closely associated with the design and start-up of Harwell's Materials Testing Reactors. In 1960 he joined the newly formed Research Reactors Division moving to Materials Physics Division in 1968, of which he was appointed Head in 1970. He encouraged and built up the non-nuclear contract R & D side of his Division's work and in 1983 was made a Research Director.

Mr Les Nayler, Chief Engineer, gained a BSc (Eng) at London University during a 5 year Apprenticeship with RAE Farnborough. He worked as an Engineering Aerodynamicist with Avro Aircraft Ltd, Canada, and Boeing Airplane Co. Ltd., Washington, USA, before joining Harwell's Research Reactors Division in 1960. He became a section leader in 1965 and in 1974 was appointed Head of Engineering Division's Production Group, becoming Head of its Scientific Support Group in 1978. He was appointed Head of Engineering Projects Division in 1980, and Chief Engineer in 1987. Mr Nayler has been Chairman of the Harwell Apprenticeship Board; Wind Energy Steering Committee and the Research Reactors Advisory Committee. He has been a member of the Harwell, Culham and Risley Management Boards and a Project Director of the 'COMPASS'

tokamak at the Culham Laboratory.

Dr Geoff Hewitt, FRS, Head of Thermal Hydraulics Division, studied chemical engineering and gained a PhD at the University of Manchester Institute of Science & Technology before joining Harwell's Chemical Engineering Division in 1957. He became a Group Leader in 1966 and in 1974 was appointed Head of Thermodynamics Division (from 1976, Engineering Sciences Division). In 1985 on his appointment as a Visiting Professor at Imperial College, London, he became the first Head of Thermal Hydraulics Division at Harwell. Dr Hewitt is President of the Institution of Chemical Engineers and a member of the Royal Society of Chemistry; Institution of Mechanical Engineers and British Nuclear Energy Society. He has served on many national and international committees concerned with heat exchanger technology. He was elected to the Fellowship of Engineering in 1984, awarded an Honorary DSc from the University of Louvain, France, in 1988 and in 1989 was made a Fellow of the Royal Society (FRS).

Mr Alan Wall, Chief Personnel & Administrative Officer, gained a B.A. in History at University College, London, and was then commissioned in the Royal Army Service Corps. He worked in the Inland Revenue before joining Harwell's Salaries & Wages Branch in 1958. In 1960 he joined the Personnel Department and from 1980-82 he worked in Corporate Headquarters, London. Mr Wall, who is a Member of the Institute of Personnel Management, became Chief Personnel & Administrative Officer in 1982.

Dr David Livey, Head of Materials Development Division, joined Harwell's Metallurgy Division in 1953 after gaining a PhD in Metallurgy/Materials Science at Glasgow University. He was appointed a Group Leader in Ceramics Division and then in Materials Development Division from its formation. He became leader of the Ceramics and Interface Technology Group and Project Manager of the Materials Engineering Centre and Metals Technology Centre, becoming Head of Materials Development Division in 1988. Dr Livey has been President of the British Ceramics Society and Chairman of the Institute of Ceramics Publications Committee, he has also been visiting Professor at the Metallurgy Department, University of Strathclyde.

The Harwell Council has been replaced by the Culham/Harwell Council (CHC).

Free Seminar

12 April HEWLETT PACKARD offer an open invitation to a free seminar

- Digitizing oscilloscopes
 - Integrating scopes and logic analysis for effective trouble shooting.
 - High speed transient capture
- 9.30 am - 12.15 pm, Compton Room, Training Centre, Harwell.

Film Badge Notice

2 Weekly Films: Period 13F (Colour Stripe BLACK)

4 Weekly Films: Period 04M (Colour Stripe RED)

Commencing Monday 26 March. Please change your films promptly.

Signs of the times

Using 3M Dynamark Photolabels, which come in a variety of colours and are self-adhesive, a variety of attractive and informative labels and signs can be designed and produced for a range of uses, eg. identification, name plates, serialisation, printed instructions diagrams, safety instructions warnings, notices etc., for scientific experimental apparatus, book-covers, files, doors, walls, windows etc.

For further details and a simple order form contact Ray Lucas, B.347.2, Tel. ext. 4575.



Wettest February for 35 years

Nearly three times the average rainfall for February was recorded at Harwell, making it the wettest since 1955.

Max temp. 15.9°C (60.6°F) 23 Feb.
Min temp. 0.4°C (32.7°F) 2/3 Feb.
Max r'fall 18.5mm (0.73") 3/4 Feb.
Total r'fall 124.0mm (4.88")
31 Jan./28 Feb.

Average* rainfall for month
43.84mm (1.73 ins)

*Average from 36 years data.

Computing problems solved on extension 6000

If you have a problem as a customer of the Culham/Harwell Computing Centre please call the Help Desk, Tel. ext. 6000.

The Help Desk is permanently manned during normal working hours. A call stacking system is connected to four lines so that if the Help Desk staff are busy with another customer, it will accept your call and place it in a holding queue. At least you know that you have the correct number and that there is someone there. The call stacker is not an answerphone so please do not hang up. It continues to ring the Help Desk phones and when someone is free to take your call, they can select it off the queue.

Remember that a problem reported is a problem solved so please use your Help Desk.

Media Fellowships

AEA Technology is among seven organisations who provided financial support for the British Association's Media Fellowships last year.

Media fellowships are intended to create greater awareness and understanding of the media within the scientific community. Fellows spend between four and eight weeks working with a newspaper or a magazine, or in radio or television. Afterwards they return to their professional occupation; the fellowships are not intended for people who wish to become journalists.

In 1989 placements were offered by BBC TV (Tomorrow's World), BBC Radio Science Unit, BBC External Services, BBC TV News, C4 News, Yorkshire Television, The Independent, TODAY, The Times and New Scientist.

Applicants should be professional scientists or engineers in permanent appointments in an academic or research institution, industry, the civil service, or other similar organisation.

Application forms to partake in the 1990 opportunities have just been received Tel. ext. 3345 for a copy. The closing date is 31 March 1990.

Published Proceedings

Transportation for the Nuclear Industry

Proceedings of an International Conference organised by The Institution of Nuclear Engineers, held at The Moat House International Hotel, Stratford-upon-Avon, 23 - 25 May 1988. Published by Plenum Publishing Corporation. Available from Bookshops: ISBN 0-306-43379-6. Price £67.15. For contents list Tel. ext. 3345.

Design & Manufacturing Standards for the International Nuclear Industry

Proceedings of a one-day meeting London, May 1989, chaired by Mr E A Ryder, HM Chief Inspector, Nuclear Installations Inspectorate, Health & Safety Executive, and Dr M R Hayns, Deputy Authority Programme Director for Water Reactors, UKAEA. Organised by The Institution of Nuclear Engineers. Available from The

Institution of Nuclear Engineers, Allan House, 1 Penderley Road, London SE6 2LQ. Price £15. For contents list Tel. ext. 3345.

Area Supervisors Update

There will be briefings for Area Supervisors lasting a little over an hour in the Cockcroft Hall at 2 p.m. on Friday 6 April and Tuesday 10 April. It is hoped that a representative number of Area Supervisors will be able to attend to hear about training plans, the latest safety information and to discuss the training and support of Area Supervisors.

Radiological Incidents

2 March - 16 March

There were no radiological incidents that were designated at Category 2n or above during this period.

New House Journal - out soon

The first issue of CH News - the new name for the house journal combining the news and views of the Harlequin, Culham/JET Newsletter and Harwell Bulletin - will be published on **Wednesday 11 April**. Some of the entries for the new name will be printed and a photograph will reveal the lucky winner of the champagne!

If you have a newsworthy item, or know of one, eg. commercial/technical successes, personal achievements, sports and social, moans and groans, shock/horror etc., please give CH News the tip-off - the content can only be as good as you make it!

Correspondents:
Culham: Colin Padgett (ext. 3483)
Harwell: Margaret Stott (ext. 3989)

Over 9000 copies of CH News will be distributed throughout Culham/Harwell, JET, RAL, NRPB, MRC, NIREX, HCP, and to named people and organisations outside these establishments, as at present.

The deadline day for receipt of classified advertisements (as on the back page of the Harlequin) remains unchanged, ie. fortnightly on a Monday at Culham/JET and RAL Cash Offices and fortnightly on a Tuesday at Harwell Cash Office. Commercial 'boxed display' advertising which appeared in the Harlequin has, for the time being, been discontinued.

Diary

March

26 and 27

Rutherford Appleton Laboratory
3L Parallel Fortran
Further enquiries and bookings to: *The Manager, London & South East Regional Transputer Support Centre, Rutherford Appleton Laboratory. Tel. 0235 21900, Ext. 6394.*

26-29

Cranfield Institute of Technology
Ultrasonic sensors and systems (Residential intensive short course)
Venue: School of Mechanical Engineering, Cranfield Institute of Technology, Bedford.
For further information Tel: 0234 752766

27

19.30 - 21.30hrs
The Oxford Trust
Science and the Entrepreneur
Professor Heinz Wolff
Venue: The Oxford Trust, STEP Centre, Osney Mead, Oxford, OX2 0ES

27 -29

The Institution of Chemical Engineers
Liquid Filtration - course
Venue: Loughborough University of Technology
Further information from: *The Conference Section, I Chem E., Tel: 0788 78214*

April

2-3

The Institution of Chemical Engineers - Course
Chemical Analysis - Instrumental methods
Venue: Dept. of Chemical Engineering, Univ. of Nottingham
For further details Tel. *I Chem E. Conference Section: 0788 78214*

4

15.30hrs
Environmental & Medical Sciences Division
Aerosol measurement in ducts and stacks carrying radioactive effluent - Colloquium
R C Parker (E & MScD)
Venue: Large Conference Room, B.551, Harwell

9-12

The Institution of Chemical Engineers
Gas Fluidization Technology
Venue: University of Bradford
For further information Tel: *I Chem E Conference Section (0788) 78214*

10

Centre for International Environmental Law
Environmental due diligence: responding to environmental risk and liability - the emerging european dimension - Day seminar
Venue: Gloucester Hotel, London SW7
For further information contact: *Elaine Hendry, Legal Studies & Services Ltd., Bath House, 56 Holborn Viaduct, London EC1A 2EX. Tel: 01-236 4080.*

18

16.30hrs
University of Oxford
Cherwell-Simon Lecture 1990 - open to the public
Fractals
Benoit B Mandelbrot, IBM T J Watson Research Center, Yorktown Heights NY (a Robinson professor of Mathematical Sciences, Yale University)
Venue: Lecture Theatre, University Museum, Parks Road, Oxford

19

19.00hrs - 21.00hrs
The Oxford Trust
Science and the Government
John Fairclough
Venue: The Oxford Trust STEP Centre, Osney Mead, Oxford. OX2 0ES

25

Day Seminar
Finborough Seminars
How to put together and control a budget
Speaker: Philip Wraith, M.A., F.C.M.A., senior lecturer in Management Accounting, Lancashire Polytechnic
Venue: Tower Thistle Hotel, by Tower Bridge, London
For further information Tel: 01-530 5051

27

11.00hrs
National Radiological Protection Board
Protection Programme for Europe
J Sinnaeve, Commission of the European Communities
Venue: RAL Lecture Theatre

May

8-10

Institution of Nuclear Engineers
International Conference on control and instrumentation in nuclear installations
The Hospitality Inn, Cambridge Street, Glasgow
Further information from: *The Conference Secretary, The Institution of Nuclear Engineers, Allan House, 1 Penderley Road, London SE6 2LQ. Tel: 01 689 1500 or 4750.*