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# **INTERNATIONAL CONFERENCE ON THE BIOLOGICAL EFFECTS OF IONISING RADIATION**

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**24 and 25 November 1986**  
**The Hammersmith Hospital, London**

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## **PROGRAMME**

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**BEIR CONFERENCE**  
**Dr. Gari Donn**  
**26 Hawkenbury Way**  
**Lewes BN7 1LT**

## **CONFERENCE SESSIONS**

### **MONDAY 24 NOVEMBER**

- Session 1 - Environmental Monitoring
- Session 2 - Environmental Models
- Session 3 - Occupational Exposures
- Session 4 - ICRP Risk Estimates

### **TUESDAY 25 NOVEMBER**

- Session 1 - Sensitivity to Ionising Radiations
  - Session 2 - Cancer and Leukaemia in UK Children
  - Session 3 - Chernobyl
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# **LIST OF CHAIR PERSONS**

## **CONFERENCE CHAIRMAN**

Professor Sir Richard Southwood, FRS.,  
Chairman, NRPB.

## **SESSIONAL CHAIR PERSONS**

Professor Martin Bobrow, FRCP,  
Prince Philip Professor of Paediatric Research, Guy's Hospital.  
Chairman COMARE  
(DHSS Committee on the Medical Aspects of Radiation in  
the Environment.)

Sir Hugh Rossi, MP,  
Chairman of the House of Commons Select Committee  
on the Environment.

Dr. Robin Russell Jones, MRCP.  
Chairman, Friends of the Earth Pollution Advisory Committee

Professor J.H. Edwards, FRCP, FRS.  
Professor of Genetics, Oxford University.

Sir Douglas Black, FRCP.,  
Emeritus Professor of Medicine, Manchester.

Sir Richard Doll, OBE, FRCP.,  
Formerly Regius Professor of Medicine, Oxford University.

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### *Conference Organiser*

Dr. Robin Russell Jones MRCP, Chairman of the  
Friends of the Earth Pollution Advisory Committee

# **PROGRAMME**

**MONDAY, 24th NOVEMBER 1986**

9.00                      Registration

10.00                      Opening Remarks by Conference Chairman,  
Professor Sir Richard Southwood, FRS.  
Chairman, National Radiological Protection Board

## **Session 1:            ENVIRONMENTAL MONITORING**

*Chair:* Sir Richard Southwood

10.15-10.45            Frances Fry  
National Radiological Protection Board.  
"Environmental Radioactivity"

10.45-11.15            Peter Taylor  
Director  
Political Ecology Research Group.  
"Interpretation of Monitoring Results"

11.15-11.45            Coffee

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## **Session 2:            ENVIRONMENTAL MODELS**

*Chair:* Prof. Martin Bobrow

11.45-12.15            David Crouch  
Science Policy Research Unit, University of Sussex.  
"The Role of Predictive Modelling — Social and  
Scientific Problems of Radiation Risk Assessment"

12.15-12.45            Dr. John Stather  
National Radiological Protection Board.  
"Assessing Risks of Childhood Leukaemia in  
Seascale"

12.45-1.00      General Discussion

1.00-2.00      Lunch

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**Session 3:      OCCUPATIONAL EXPOSURES**

*Chair:* Sir Hugh Rossi, MP

2.00-2.30      David Gee  
General and Municipal Workers Union.  
"Industrial Exposures"

2.30-3.00      Dr. Valerie Beral  
Department of Epidemiology,  
London School of Hygiene and Tropical Medicine.  
Epidemiological Studies of Workers in the  
Nuclear Industry

3.00-3.30      Prof. Edward Radford  
Professor of Epidemiology, University of Pittsburg.  
"Recent Evidence of Radiation - Induced Cancer  
in the Japanese Atomic Bomb Survivors"

3.30-4.00      Tea

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**Session 4:      ICRP RISK ESTIMATES**

*Chair:* Dr. Robin Russell Jones

4.00-4.30      Prof. Roger Berry  
Department of Oncology,  
Middlesex Hospital Medical School.  
"The ICRP - Historical Perspectives"

4.30-5.00      Prof. Karl Morgan  
Director, Health Physics Division,  
Oakridge National Laboratory, USA.  
"Risk Estimates – an Alternative View"

5.00-5.30      General Discussion

**TUESDAY, 25th NOVEMBER 1986**

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**Session 1:        SENSITIVITY TO IONISING RADIATIONS**

*Chair:* Prof. J.H. Edwards

- 9.15-9.45        Dr. Paul Lewis  
Department of Histopathology, Hammersmith Hospital.  
"Variation in Individual Sensitivity to  
Ionising Radiation"
- 9.45-10.15       Prof. H. Evans  
MRC Clinical and Population Cytogenetics Unit,  
General Hospital, Edinburgh.  
"Cytogenetic Studies: Threshold Effects  
and Sensitivities"
- 10.15-10.45      Prof. Y. Ujeno  
Faculty of Medicine,  
Kyoto University, Japan.  
"Cancer Incidence and Background Levels  
of Radiation"
- 10.45-11.15      Coffee
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**Session 2:        CANCER AND LEUKAEMIA IN UK CHILDREN**

*Chair:* Sir Douglas Black

- 11.15-11.45      Dr. Alice Stewart  
Regional Cancer Registry,  
Queen Elizabeth Medical Centre, Birmingham.  
"Childhood Cancer in the UK and its Relationship  
to Background Radiation"

11.45-12.15 Dr. Sarah Darby  
Cancer Epidemiology and Clinical Trials Unit,  
Radcliffe Infirmary.  
Trends in Childhood Leukaemia and Exposure to  
Radioactivity in Britain

12.15-12.45 John Urquhart  
Editor, Journal of Nuclear Risks,  
Newcastle upon Tyne.  
"Leukaemia Clusters around Nuclear  
Facilities in the UK"

12.45-1.00 General Discussion

1.00-2.00 Lunch

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**Session 3:      CHERNOBYL**  
*Chair:* Sir Richard Doll

2.00-2.30 Dr. Roger Clarke  
National Radiological Protection Board.  
"Dose Distributions in Western Europe  
Following Chernobyl"

2.30-3.00 Prof. Wolfgang Jacobi  
Institute for Straplerschultz Irgolstadter, West Germany.  
"Fall-out from the Chernobyl Accident"

3.00-3.30 Dr. Barrie Lambert  
Department of Radiology,  
St. Bartholomew's Hospital Medical School.  
"Effects of Chernobyl"

3.30-4.00 Tea

4.00-4.30 Closing Remarks by Conference Chairman,  
Professor Sir Richard Southwood, FRS.

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