

Catalogue of the papers and correspondence of

**Sir Frederick Edward Warner**

**FRS FREng**

(b. 1910)

Volume 2

Section C: Societies and organisations

Section D: Lectures and broadcasts

Section E: Drafts and publications

Section F: Visits and conferences

By Timothy E. Powell and Simon Coleman

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**SECTION C**

**SOCIETIES AND ORGANISATIONS, C.1-C.585**

**1946-1999**

Correspondence relating to many of these societies and organisations was also found in Warner's general correspondence, presented in section G.

- |            |   |
|------------|---|
| C.1        | ADVISORY COMMITTEE ON PROTECTION OF THE SEA                 |
| C.2        | ADVISORY COMMITTEE ON THE WELLCOME MARINE LABORATORY        |
| C.3        | BRITISH ASSOCIATION FOR COMMERCIAL AND INDUSTRIAL EDUCATION |
| C.4-C.17   | BRITISH BICENTENNIAL LIAISON COMMITTEE                      |
| C.18       | BRITISH HYDROMECHANICS RESEARCH ASSOCIATION                 |
| C.19-C.24  | BRITISH NUCLEAR FUELS                                       |
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| C.26-C.30  | BRITISH STANDARDS INSTITUTION                               |
| C.31       | CATALYST. THE MUSEUM OF THE CHEMICAL INDUSTRY               |
| C.32       | CATALYSTS' CLUB   |
| C.33-C.36  | COGNITIVE RESEARCH TRUST                                    |
| C.37-C.77  | COUNCIL OF ENGINEERING INSTITUTIONS                         |
| C.78, C.79 | COUNCIL OF SCIENCE AND TECHNOLOGY INSTITUTES                |
| C.79A      | DEPARTMENT OF THE ENVIRONMENT                               |

**Societies and organisations, C.1-C.585**

C.80-C.86	DEPARTMENT OF INDUSTRY
C.87-C.105	DEPARTMENT OF TRADE AND INDUSTRY
C.106	EUROPEAN ASSOCIATION FOR THE SCIENCE OF AIR POLLUTION
C.106A	EUROPEAN CENTRE FOR POLLUTION RESEARCH
C.107-C.111	FELLOWSHIP OF ENGINEERING
C.112	FOUNDATION FOR SCIENCE AND TECHNOLOGY
C.113	GREENING OF HIGHER EDUCATION COUNCIL
C.114-C.141	HAZARDS FORUM
C.142-C.164	HEALTH AND SAFETY EXECUTIVE
C.165	HERIOT-WATT UNIVERSITY
C.166	IMPERIAL COLLEGE LONDON
C.167-C.174	INDUSTRIAL AIDS LTD
C.175-C.179	INSTITUTE OF QUALITY ASSURANCE
C.180-C.198	INSTITUTION OF CHEMICAL ENGINEERS
C.199-C.205	INTERNATIONAL COURT OF ARBITRATION
C.206	INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS
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**Societies and organisations, C.1-C.585**

C.224	JOINT COMMITTEE ON HEALTH AND SAFETY, CANADA
C.225-C.238	MINISTRY OF HOUSING AND LOCAL GOVERNMENT
C.238A	MINISTRY OF TECHNOLOGY
C.239, C.240	NATIONAL ECONOMIC DEVELOPMENT OFFICE
C.241-C.243	NATIONAL RESEARCH DEVELOPMENT CORPORATION (NRDC)
C.244	NORTH ATLANTIC TREATY ORGANISATION
C.245-C.261	OPEN UNIVERSITY
C.262-C.287	PARLIAMENTARY OFFICE OF SCIENCE AND TECHNOLOGY
C.288, C.289	ROYAL COMMISSION FOR THE EXHIBITION OF 1851
C.290-C.298	ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION
C.299-C.321	ROYAL SOCIETY
C.322-C.517	ROYAL SOCIETY STUDY GROUPS ON RISK
C.518, C.519	SCIENCE AND ENGINEERING PROFESSIONAL GROUP
C.520, C.521	SCIENCE MUSEUM, LONDON
C.522	SELWOOD FOUNDATION FOR MODERN LEARNING
C.523, C.524	SOCIETY FOR RISK ANALYSIS

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C.525-C.528	SOCIETY OF CHEMICAL INDUSTRY
C.529	SUPPORTERS OF NUCLEAR ENERGY
C.530-C.547	UNITED KINGDOM NATIONAL COORDINATION COMMITTEE FOR THE INTERNATIONAL DECADE FOR NATURAL DISASTER REDUCTION
C.548-C.551	UNIVERSITY COLLEGE LONDON
C.552	UNIVERSITY OF CAMBRIDGE
C.553-C.557	UNIVERSITY OF EAST ANGLIA
C.558-C.583	VOLUNTEERS FOR IONISING RADIATION
C.584	WESTFIELD COLLEGE UNIVERSITY OF LONDON
C.585	MINOR SOCIETIES AND ORGANISATIONS

**C.1                      ADVISORY COMMITTEE ON PROTECTION OF THE                      1994**  
**SEA**

Committee papers.

Warner was on the Main Committee.

**C.2                      ADVISORY COMMITTEE ON THE WELLCOME MARINE                      1977-1983**  
**LABORATORY**

Chiefly *re* meetings of the Committee.

The Wellcome Marine Laboratory was at Robin Hood's Bay, North Yorkshire. The committee was wound up with the closure of the Laboratory in 1983.

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**C.3**   **BRITISH ASSOCIATION FOR COMMERCIAL AND INDUSTRIAL EDUCATION**   **1986-1994**

Miscellaneous correspondence and papers, including future of the Association.

Warner was President to 1989. The Association was liquidated in 1994 when it was taken over by IPD Enterprises Ltd.

**C.4-C.17**   **BRITISH BICENTENNIAL LIAISON COMMITTEE**   **1972-1976**

This was established by Sir Alec Douglas-Home, Foreign Secretary, to coordinate the British contribution to the bicentennial anniversary of the US Declaration of Independence in 1776. Warner served on the Committee, chaired by Lord Lothian. It was wound up in October 1976.

**C.4-C.9**   General correspondence and papers   1972-1976

**C.4**   1972  
Establishment of the Committee.

**C.5**   1973  
Chiefly *re* possible Open University contribution to bicentennial.

**C.6**   1974  
Open University contribution; meeting of the Committee.

**C.7**   1975  
Includes correspondence *re* loan of Magna Carta and UK publicity material.

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C.8	1976	
C.9	US Bicentennial Newsletters	1972
C.10-C.17	Committee meetings	1972-1976
C.10	10 July 1972	
C.11	21 March 1973	
C.12	5 July 1973	
C.13	27 September 1974	
C.14	29 November 1974	
C.15	12 February 1975	
C.16	23 July 1975	
C.17	9 December 1975 and 15 October 1976	
C.18	<b>BRITISH HYDROMECHANICS RESEARCH ASSOCIATION</b>	<b>1968</b>

Duplicated typescript papers.

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**C.19-C.24                      BRITISH NUCLEAR FUELS PLC                      1991-1998**

Warner joined British Nuclear Fuel's Environmental Council (later the Safety, Health, Environment Council) for its first meeting on 3 February 1993.

C.19                      Letter and information *re* meeting of Environmental Council                      1993

C.20-C.23 is background material sent to Warner at the same time.

C.20                      Background information on British Nuclear Fuels                      1992

C.21-C.23                      Background information on British Nuclear Fuels' environmental record and policy                      1991-1992

3 folders.

C.24                      Correspondence and papers *re* meetings of the Council                      1996, 1998

**C.25                      BRITISH QUALITY ASSOCIATION                      1990**

Letter *re* President's engagements.

This autonomous body within the Institute of Quality Assurance was established in 1981. Warner was President in 1990.

See also INSTITUTE OF QUALITY ASSURANCE.

**C.26-C.30                      BRITISH STANDARDS INSTITUTION                      1982-1995**

Warner was President and Chairman. He continued to serve on the Board as a Past President.



**Societies and organisations, C.1-C.585**

- |           |   |            |
|-----------|---|------------|
| C.26      | Correspondence <i>re</i> relations with newly formed Industrial Advisory Committee on Fracture Avoidance  | 1982       |
| C.27      | 'Parody Standard Specification' for Precast Concrete Gnomes   | 1982       |
| C.28      | Papers of meeting of BSI Board, 8 March 1989  | 1989       |
| C.29      | Miscellaneous correspondence and papers   | 1989-1992  |
| C.30      | Letter and information <i>re</i> BSI organisational structure   | 1995       |
| C.31      | <b>CATALYST. THE MUSEUM OF THE CHEMICAL INDUSTRY</b><br><br>Launch of the museum.<br><br>Warner was a Patron of the Halton Chemical Industry Museum, Widnes, Cheshire which changed its name to Catalyst in 1988. | 1988       |
| C.32      | <b>CATALYSTS' CLUB</b><br><br>Correspondence <i>re</i> 1970 Dinner and membership   | 1970, 1971 |
| C.33-C.36 | <b>COGNITIVE RESEARCH TRUST</b><br><br>This was established by Edward de Bono in 1972. Warner was on the Steering Committee.  | 1969-1974  |
| C.33      | Correspondence with E. de Bono  | 1969-1971  |

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Warner and de Bono discuss the possibility of establishing a cognitive study unit.

C.34	Information on the course 'Thinking a subject' run by Cambridgeshire Education Committee  Duplicated typescript.	1972
C.35	Correspondence, chiefly <i>re</i> fund-raising	1972
C.36	Correspondence <i>re</i> progress of Trust	1973-1974
<b>C.37-C.77</b>	<b>COUNCIL OF ENGINEERING INSTITUTIONS</b>	<b>1966-1974</b>
	C.37-C.40            Board	
	C.41-C.48            Overseas Relations Committee	
	C.49-C.62            Working Party on Pollution	
	C.63-C.67            Joint CEI/RIBA Education Group	
	C.68-C.75            McRobert Award Committee	
	C.76, C.77            Miscellaneous correspondence	
<b>C.37-C.40</b>	<b>Board</b>	<b>1968-1969</b>
	Board meeting papers.  4 folders.	
<b>C.41-C.48</b>	<b>Overseas Relations Committee</b>	<b>1966-1969</b>
C.41	Papers of committee meeting, 17 November 1966	1966

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C.42	Correspondence and papers	1966-1967
C.43	Papers of committee meetings, 25 April and 17 September 1968	1968
C.44	Miscellaneous correspondence and papers	1968
C.45	Papers of committee meetings 5 February and 6 March 1969  Includes announcement of Warner's election as President of the European Federation of National Associations of Engineers.	1969
C.46	Miscellaneous papers	1969
C.47	Papers of committee meeting, 4 July 1969	1969
C.48	Papers of committee meeting, 9 October 1969	1969
<b>C.49-C.62</b>	<b>Working Party on Pollution</b>	<b>1969-1973</b>
	<p>This Working Party was established in 1970 initially to prepare papers on pollution for the UK Delegation to the Council of Europe on European Conservation Year. It continued in being as a joint body of the Council of Engineering Institutions and Council of Science and Technology Institutes to submit evidence to the Royal Commission on Environmental Pollution. Warner was the chairman.</p>	
C.49	Correspondence and papers	1969
C.50	Correspondence <i>re</i> working party, January	1970

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|------|--|------|
| C.51 | Papers for working party meeting, 6 February 1970  | 1970 |
| C.52 | Correspondence, March-June   | 1970 |
| C.53 | Correspondence and papers <i>re</i> meeting of working party<br>24 July 1970   | 1970 |
| C.54 | Correspondence and papers, August<br><br>Includes draft of evidence for the Royal Commission.  | 1970 |
| C.55 | Correspondence and papers, September<br><br>Includes papers of meeting, 11 September 1970.   | 1970 |
| C.56 | Correspondence and papers, October<br><br>Includes draft of evidence for the Royal Commission.   | 1970 |
| C.57 | Correspondence and papers, November-December<br><br>Includes the Working Party's submission to the Royal<br>Commission.  | 1970 |
| C.58 | Correspondence and papers, January-February<br><br>Includes correspondence <i>re</i> oral evidence to the Royal<br>Commission, 29 January.   | 1971 |
| C.59 | Correspondence and papers, March   | 1971 |
| C.60 | Correspondence and papers, April<br><br>Includes correspondence <i>re</i> attitude of British professional<br>institutions towards Ralph Nader's proposal in the US for<br>providing environmental information from industry through | 1971 |

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the encouragement of 'whistle-blowing'.

C.61	Correspondence and papers, May-December  Includes further correspondence <i>re</i> Nader's proposal; paper on noise pollution.	1971
C.62	Correspondence	1972-1973
<b>C.63-C.67</b>	<b>Joint CEI/RIBA Education Group</b>  This joint group of the Council of Engineering Institutions and the Royal Institute of British Architects was established in 1966 'to discuss means of bridging the gap between the disciplines of architecture and engineering, and to explore educational areas in which the institutions on both sides might collaborate'.  Warner attended as a member of the CEI Education and Training Committee.	<b>1966-1968</b>
C.63	Correspondence <i>re</i> Warner's joining the group and background papers on architectural education, May	1966
C.64	Correspondence and papers <i>re</i> meeting, June	1966
C.65	Correspondence and papers, October-December	1966
C.66	Correspondence and papers  Includes interim report of the group, October 1967	1967
C.67	Correspondence	1968

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**C.68-C.75                      MacRobert Award Committee                      1970-1971**

Chiefly submissions for MacRobert Award.

Warner served on Group C considering gas and chemical engineering submissions for the award.

C.68                      1970 Award                      1970

C.69-C.75                      1971 Award                      1971

C.69                      Minutes of meetings

C.70-C.75                      Applications  
6 folders.

**C.76, C.77                      Miscellaneous correspondence                      1970, 1974**

C.76                      1970  
Chiefly *re* visit of Colonel Clogenson, Secretary General of the European Federation of National Associations of Engineers.

C.77                      1974  
Chiefly *re* European Conference on Electrotechnics on the Engineer in Society.

**C.78, C.79                      COUNCIL OF SCIENCE AND TECHNOLOGY  
INSTITUTES                      1988-1991**

Warner was Chairman to 1990.

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C.78	Correspondence 1988, January-February 1990	1988, 1990
C.79	Correspondence and papers, June-July 1990, 1991 Includes memorabilia of retirement dinner.	1990-1991
C.79A	<b>DEPARTMENT OF THE ENVIRONMENT</b>  Correspondence and papers <i>re</i> Windscale Inquiry.  The Inspector was Hon. Mr Justice Parker, with Warner and Sir Edward Pochin as the two Assessors, on the Windscale Inquiry (Planning Inquiry into British Nuclear Fuels Ltd's proposal to construct a fuel reprocessing plant at Windscale). The Inquiry reported in January 1978.	<b>1977, 1978</b>
C.80-C.86	<b>DEPARTMENT OF INDUSTRY</b>  Material relating to the Committee of Inquiry into the Engineering Profession.  The Committee of Inquiry was chaired by Lord Finniston, after whom its report was known.  Warner was involved in submissions to the Committee and responses to its report.	<b>1978-1980</b>
C.80	Fellowship of Engineering and Institution of Chemical Engineers submissions to Committee of Inquiry	1978
C.81	Council of Engineering Institutions submission to Committee of Inquiry	1978
C.82	Royal Society submission to Committee of Inquiry	1978

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C.83                      Advance unbound copy of Finniston Report                      1979

Sent to Warner by Finniston 'for your personal information...Firstly because Keith Joseph considers that the report by Ken Corfield, yourself and by me are the holy trinity to set engineering industries on their course!; and secondly because I would very much welcome any comment you would care to make'.

C.84-C.86                Responses to the report, chiefly from the Chemical Engineering Syndicate and the Fellowship of Engineering                      1980

A number of Professors in chemical engineering forming the Chemical Engineering Syndicate felt the report had largely ignored the place of chemical engineering and prepared a joint response.

C.84                      January-February

C.85                      March

C.86                      April-October

C.87-C.105                **DEPARTMENT OF TRADE AND INDUSTRY**                      1990s

Material relating to the Deregulation Task Force (later Deregulation Unit): correspondence with Department of Trade and Industry, scientific colleagues and others; papers for meetings of risk assessment subgroup; policy documents on deregulation and risk; and background information.

The Deregulation Task Force/Unit was established by Michael Heseltine, President of the Board of Trade, in 1994 to advise the Government on reversing 'this growing burden of regulation'. Part of its work involved risk assessment to discover whether the regulation was proportionate to the risk against which it was regulating. Warner joined the risk assessment subgroup (a panel of experts) in February 1994, acting as its co-ordinator.

The Task Force was moved under the auspices of the Cabinet Office in August 1995.



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C.87	January-May  Correspondence with N. Hamilton MP, Under-Secretary of State for Corporate Affairs <i>re</i> risk subgroup and possible membership, with possible members of the group, and with Bernard Jenkin MP, Warner's constituency MP.	1994
C.88	September-October  Correspondence with Neil Hamilton, the Royal Society and others <i>re</i> areas for risk assessment.	1994
C.89	Interdepartmental Liaison Group on Risk Assessment White Paper Report on the Use of Risk Assessment in Government Departments, October	1994
C.90	Papers of first meeting of the Deregulation Task Force 'Longer Term Group', 1 November	1994
C.91	Correspondence, November- December	1994
C.92	Correspondence and papers, January-February	1995
C.93	Correspondence and papers, March  Includes further draft of the Interdepartmental Liaison Group on Risk Assessment White Paper Report on the Use of Risk Assessment in Government Departments, with Warner's comments.	1995
C.94	Correspondence and papers, April	1995
C.95	Correspondence and papers, May  Includes papers of meeting of the Longer Term Group, 17 May 1995.	1995

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|-------|--|------|
| C.96  | Correspondence and papers, June-July<br><br>Includes Health and Safety Executive 'Risk Glossary'.  | 1995 |
| C.97  | Correspondence and papers, chiefly <i>re</i> launch of the Task Force on Deregulation's Report, August-September   | 1995 |
| C.98  | Correspondence, October-December   | 1995 |
| C.99  | Draft guide to risk assessment, October  | 1995 |
| C.100 | Correspondence and papers, January-March   | 1996 |
| C.101 | Correspondence and papers, June-October  | 1996 |
| C.102 | Correspondence and papers <i>re</i> meeting on 12 February 1997 between Deregulation Task Force and the Royal Commission on Environmental Pollution, January-February  | 1997 |
| C.103 | Miscellaneous papers by Warner and others on risk assessment, sent to Warner, June<br><br>Includes Warner's 'notes for 'A GSE seminar - Imperial College - 26 February 1997'.  | 1997 |
| C.104 | Papers of Workshop on Guidance for Environmental Risk Assessment and Management, Royal College of Physicians, London, November 1997<br><br>This workshop was held to discuss the Department of the Environment's 1995 'Guide to risk assessment and risk management for environmental protection'. | 1997 |

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- C.105 Printed and photocopied background material. 1990s  
Found in boxfile labelled 'Papers on deregulation 1990s'.
- C.106 **EUROPEAN ASSOCIATION FOR THE SCIENCE OF AIR POLLUTION** 1986  
  
Correspondence *re* Association activities.  
  
The Chairman of the Association, Helen ApSimon, was a colleague of Warner's in SCOPE.
- C.106A **EUROPEAN CENTRE FOR POLLUTION RESEARCH** 1990  
  
Papers for Board of Mangement meeting, 23 June.  
  
Warner served on the Board of Management.
- C.107-C.111 **FELLOWSHIP OF ENGINEERING** 1983-1995  
  
Warner was elected to the Fellowship in 1976. In 1985 he gave the Fellowship's Hinton Lecture (see D.127). The Fellowship became the Royal Academy of Engineering in 1992.
- C.107 Drafts of paper of the Fellowship's Committee on Nuclear Power 1983  
  
Warner was a member of the Committee.
- C.108 Miscellaneous correspondence 1983-1985  
  
Includes correspondence *re* relations with *Academica Mexicana de Ingenieria*

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|-------------|--|------------|
| C.109       | Miscellaneous correspondence and papers<br><br>Includes 'Draft Guidance Note' on 'actions for people making or receiving warnings of disaster', 1988   | 1988-1990  |
| C.110       | Miscellaneous correspondence   | 1991-1995  |
| C.111       | Elections  | 1985-1991  |
| C.112       | <b>FOUNDATION FOR SCIENCE AND TECHNOLOGY</b><br><br>List of attendees for Dinner Discussion, 31 October 1994.<br><br>Warner is listed as a representative of the Royal School of Mines.  | 1994       |
| C.113       | <b>GREENING OF HIGHER EDUCATION COUNCIL</b><br><br>Correspondence.<br><br>Warner joined the Advisory Board in 1993.  | 1993, 1994 |
| C.114-C.141 | <b>HAZARDS FORUM</b><br><br>At his Presidential Address on 1 November 1988 A.C. Paterson, President of the Institution of Civil Engineers (ICE) announced his wish to see the creation of 'a national focal point for the mitigation and reduction of Hazards' and offered ICE support for such a forum. A meeting of representatives of engineering bodies was held at the ICE on 20 July 1989 and following this the Hazards Forum was established. It had an Executive Committee with two standing Committees, on Man-made and on Natural Hazards.<br><br>In its early stages the planning of the Hazards Forum was | 1988-1994  |

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closely linked to the establishment of the UK National Coordination Committee for the International Decade for Natural Disaster Reduction (see C.530-C.547 below), and papers relating to the founding of the Forum are to be found at C.530-C.532.

C.114	Correspondence and papers <i>re</i> arrangements for preliminary meeting, July 1989  Includes copy of A.C. Paterson's 'Discussion Paper' on his proposal.	1988-1989
C.115	Papers of meeting, 20 July 1989	1989
C.116	Correspondence, August-October	1989
C.117	Papers of meeting of Hazards Forum, 30 October 1989	1989
C.118	Correspondence, chiefly <i>re</i> membership and funding of the Hazards Forum, November-December  Also includes Warner's memorandum of November and responses thereto.	1989
C.119	Papers of meeting of 13 December 1989	1989
C.120	Correspondence and papers, January-March  Includes notes of Executive Committee meeting, 13 March 1990.	1990
C.121	Papers of meetings, 3 April 1990	1990
C.122	Correspondence and papers, April	1990

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C.123	Correspondence, May-June  includes arrangements for 13 June meetings.	1990
C.124	Papers of meetings, 13 June 1990  The Hazards Forum held meetings of the Executive Committee and Standing Committees and a meeting addressed by speakers on coastal flood hazards.	1990
C.125	Correspondence and papers, July  Includes report of meeting with Fellowship of Engineering.	1990
C.125A	Note 'not for the file', July and note of meeting, 25 October	1990
C.126	Correspondence and papers, August	1990
C.127	Papers of meeting of Standing Committee A on Man-made Hazards, 28 September 1990	1990
C.128	Correspondence and papers, September  Chiefly <i>re</i> draft constitution of the Forum.	1990
C.129, C.130	Papers of meetings, 10 October 1990  The Forum held meetings of the Executive Committee and Standing Committees and a meeting addressed by speakers on river flood hazards.  2 folders.	1990
C.131	Correspondence and papers, October	1990
C.132	Correspondence and papers, November	1990

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Includes papers of meeting of Standing Committee A, 29 November.

C.133	Papers of meetings, December	1990
C.134	Correspondence and papers, January-February	1991
C.135	Papers of meetings, 16 January and 21 February 1991	1991
C.136	Correspondence, March-October	1991
C.137	Papers of Executive Committee meeting 13 March 1991	1991
C.138	Papers for meetings of Standing Committees, 15 April 1991	1991
C.139	Papers of meetings, 8 May and 24 July 1991	1991
C.140	Correspondence and papers for AGM of the Hazards Forum, 24 July 1991	1991
C.141	Miscellaneous papers	1994
<b>C.142-C.164</b>	<b>HEALTH AND SAFETY EXECUTIVE</b>	<b>1974-1997</b>
C.142-C.154	Correspondence and papers <i>re</i> the 1974 Flixborough disaster  On June 1, 1974 a vapour cloud explosion destroyed the Nypro cyclohexane oxidation plant at Flixborough, Lincolnshire. Other plants on the site were seriously	1974-1977

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damaged or destroyed. Twenty-eight workers were killed and a further 36 suffered injuries.

A Court of Inquiry was established under the chairmanship of Roger Parker, and the company Cremer and Warner were commissioned to produce a report into the disaster, which they traced to faulty temporary piping. The inquiry report was published as *The Flixborough Disaster: Report of the Court of Inquiry*, Health and Safety Executive, HMSO, London, 1975.

Warner published two papers on the disaster, Warner and D.E. Newland 'Flixborough explosion - mechanical engineering provides the key', *Chart. Mech. Engr.*, vol 22 (1975), 76-81 and 'Chemical engineering aspects of the Flixborough disaster', *Chemical Engineering Progress*, September 1975, at C.150 and C.151-C.153 respectively.

C.142	Correspondence	1974
C.143	Papers <i>re</i> launch of report into the Flixborough disaster, February-May	1975
C.144	Correspondence arising from report, May	1975
C.145	Correspondence arising, June-July	1975
C.146	Correspondence and papers arising, August-September  Includes criticisms of the report and Warner's views thereon.	1975
C.147	Correspondence, October-December	1975
C.148	Correspondence	1976
C.149	Correspondence with Engineering Appliances Ltd <i>re</i> role of bellows in the disaster  Includes papers on bellows and copies of the EA	1977-1978



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Newsletter on the Flixborough disaster.

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|--------------|--|------------|
| C.150        | Warner and D.E. Newland, 'Flixborough explosion - mechanical engineering provides the key', <i>Chart. Mech. Engr.</i> , vol 22 (1975), 76-81 | 1975       |
|              | Correspondence with Newland, Institution of Mechanical Engineers and others; 9pp typescript + figures.                                       |            |
| C.151-C.153  | 'Chemical engineering aspects of the Flixborough disaster', <i>Chemical Engineering Progress</i> , 1975                                      | 1975       |
| C.151        | Manuscript and typescript rough draft  |            |
| C.152        | Photocopy typescript draft<br>14pp + figure.   |            |
| C.153        | Correspondence with publishers; proof.   |            |
| C.154        | Typescript background material   | 1975       |
| C.155-C.159  | General correspondence   | 1979-1997  |
| C.155, C.156 | Papers re Proposal for a Council Directive on the Major Accident Hazards of Certain Industrial Activities<br>2 folders.                      | 1979       |
| C.157        | Miscellaneous correspondence   | 1982-1993  |
| C.158        | Correspondence   | 1987-1993  |
| C.159        | Papers on health and safety issues sent to Warner for interest   | 1996, 1997 |

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|-------------|--|------------|
| C.160-C.164 | International Risk Assessment Conference, London, 5-9 October 1992<br><br>Papers <i>re</i> arrangements for Conference and lectures to be delivered.<br><br>5 folders.<br><br>Warner served on the International Steering Group organising this conference.<br><br>Further material relating to this conference is at F.213-F.226. | 1992       |
| C.165       | <b>HERIOT-WATT UNIVERSITY</b><br><br>Correspondence with Tom Johnstone, Principal and Vice-Chancellor <i>re</i> the university. Includes appeal literature.  | 1983, 1985 |
| C.166       | <b>IMPERIAL COLLEGE LONDON</b><br><br>Correspondence <i>re</i> Imperial College appeal.  | 1990-1991  |
| C.167-C.174 | <b>INDUSTRIAL AIDS LTD</b><br><br>Warner was a Director of the business consultancy firm Industrial Aids Ltd (IAL). It went into voluntary liquidation in 1994.  | 1982-1994  |
| C.167       | Copies of correspondence <i>re</i> possible IAL study of European chambers of commerce.  | 1982       |
| C.168       | Correspondence and papers <i>re</i> future of the company  | 1982       |

**Societies and organisations, C.1-C.585**

C.169	Correspondence and papers <i>re</i> company business	1983-1984
C.170	Personal correspondence	1986
C.171	Correspondence	1991-1992
C.172-C.174	Correspondence and papers <i>re</i> winding-up of IAL 3 folders.	1993-1994
<b>C.175-C.179</b>	<b>INSTITUTE OF QUALITY ASSURANCE</b>	<b>1986-1994</b>
	General correspondence and papers on Institute business. Arranged chronologically.	
	Warner served as President of the Institute from 1987.	
C.175	1986-1991	
C.176	1991  'A Guide to the Application of ISO 9001 to Process Plant Projects'.	
C.177	1992  Includes correspondence <i>re</i> BS 5750 and 'Quality 2000' project.	
C.178	1993  Papers for meeting of Council, 8 September 1993.	
C.179	1994	

**Societies and organisations, C.1-C.585**

Chiefly on UK Quality Management policy.

**C.180-C.198                      INSTITUTION OF CHEMICAL ENGINEERS                      1946-1984**

Warner was President of the Institution to May 1967.

**C.180-C.186                      General correspondence and papers                      1946-1983**

C.180                      Miscellaneous correspondence                      1946-1947,  
1953

Includes cutting from *The Industrial Chemist*, June 1953, on Warner's appointment as Joint Honorary Secretary.

C.181                      Papers on the chemical engineering profession                      1961-1968

The training (Exploratory Committee, 1961) and recruitment of chemical engineers, migration, publicity 1966-1968.

**C.182-C.184                      Institution Annual Dinner Dance                      1966-1967**

Correspondence *re* invitations, lists of invitees, 4pp typescript of Warner's reply to the Toast, letters of thanks.

3 folders.

This marked the end of Warner's period of office and he took the opportunity to use it as a farewell occasion.

**C.185                      Correspondence *re* marking of US bicentenary 1776.                      1975**

See also C.4-C.17.

The Institution proposed to mark the occasion by presenting the American Institute of Chemical Engineers with a copy of the 1st edition of the *Handbook of Chemical Engineering* by G.E. Davis.

**C.186                      Correspondence and papers *re* establishment of                      1983**

**Societies and organisations, C.1-C.585**

Biochemical Engineering Group

Includes minutes of inaugural meeting, 16 March.

Warner agreed to act as a sponsor.

**C.187-C.198      Working Party on Nomenclature for Hazard and Risk      1982-1984**

The Working Party was to produce a Guide for the nomenclature for hazard and risk.

C.187      Minutes of first meeting, 1 December      1982

Also includes list of members of the Working Party.

C.188      Papers of meeting, 25 February      1983

C.189      Papers of meeting, 27 April      1983

C.190      Papers on hazards in historical perspective: explosions (J. Bond), chemical hazards (S.R. Tailby), health hazards (J.T. Carter)      1983

C.191      Papers of meeting, 22 June      1983

C.192      Papers on nomenclature, sent to Working Party members August      1983

C.193      Various papers, September-October      1983

C.194      Minutes of meeting, 24 January      1984

Also includes miscellaneous papers, February, March.

**Societies and organisations, C.1-C.585**

C.195	Second draft of 'Nomenclature for the Field of Hazard and Risk Assessment', March	1984
C.196	Comments on drafts of 'Nomenclature for the Field of Hazard and Risk Assessment'	
C.197	Minutes of meetings 5 April and 18 May	1984
C.198	Final draft of 'Nomenclature for Hazard and Risk Assessment in the Process Industries', May	1984
<b>C.199-C.205</b>	<b>INTERNATIONAL COURT OF ARBITRATION</b>	<b>1980s</b>
	<p>This is correspondence of 1985 relating to a case on which Warner served as arbitrator for the Court, and to the role of UNCITRAL (the United Nations Commission on International Trade Law) rules in arbitration.</p> <p>There are also press-cuttings, leaflets, pamphlets and articles on UNCITRAL and arbitration more generally.</p> <p>Warner was a Fellow of the Chartered Institute of Arbitrators. He attended an international conference on the UNCITRAL Model Law in November 1985 (see F.142).</p>	
C.199	Correspondence	1985
C.200	Press-cuttings	1985
C.201-C.205	Other printed material	1980s
	<p>5 folders.</p> <p>At C.205 is copy of <i>Managing Construction Conflict</i> by R.B. Hellard (Longmans 1988), with manuscript inscription to Warner at the front.</p>	

**Societies and organisations, C.1-C.585**

**C.206**                      **INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS**                      **1988**

Entry for Warner from ICSU Third World Academy of Sciences Lecturership Programme.

Warner is listed as a lecturer on disasters, air and water pollution and risk assessment.

**C.207-C.223**                      **INTERNATIONAL TECHNOLOGICAL UNIVERSITY**                      **1987-1994**

The International Technological University (ITU) was established in 1987 under a resolution of the 24th Session of the General Conference of UNESCO. The resolution described the purpose and role of the ITU as:

'to provide higher education in science, technology and management to suitably qualified students in developing countries. This institute will identify or develop and then make available to constituent colleges high quality learning materials and validate the teaching of these subjects'. It focused on engineering and other training programmes and the production of teaching materials, including distance-learning packages.'

The ITU was initially based in London. Its secretariat moved to premises provided by UNESCO in Paris in 1989.

Warner became a Trustee on the foundation of the ITU in 1987. Lord Perry was first chairman and acting Vice-Chancellor. Sir Monty Finniston took over as Vice-Chancellor in 1990.

**C.207-C.212**                      **General correspondence and papers**                      **1987-1994**

**C.207**                      **Correspondence *re* Trusteeship, July**                      **1987**

Includes copy of Trust Deed.

**C.208**                      **Reports, September-October**                      **1987**

**Societies and organisations, C.1-C.585**

C.209	Correspondence and papers	1988
C.210	Correspondence and papers Includes papers on the future of ITU and fund-raising.	1989
C.211	Correspondence, chiefly <i>re</i> Vice-Chancellorship	1990
C.212	Correspondence	1991-1994
<b>C.213, C.214</b>	<b>Trustees Meetings</b>  Papers of meetings.	<b>1987-1989</b>
C.213	1987	
C.214	1988-1989	
<b>C.215-C.220</b>	<b>Governing Body Meetings</b>  Papers of meetings	<b>1988-1989</b>
C.215	20 February 1988	
C.216	16 April 1988	
C.217	25 June 1988	
C.218	7 October 1988	



**Societies and organisations, C.1-C.585**

C.219 3 February 1989

C.220 19 April, 30 June-1 July, 25 November 1989

**C.221-C.223 Promotional and course material 1980s**

3 folders.

**C.224 JOINT COMMITTEE ON HEALTH AND SAFETY, CANADA 1992-1993**

Correspondence and papers.

This was a Joint Committee of the Royal Society of Canada and the Canadian Academy of Engineering. Warner was a corresponding member.

**C.225-C.238 MINISTRY OF HOUSING AND LOCAL GOVERNMENT 1964-1970**

H.W. Cremer, Warner's partner at Cremer and Warner, was Chairman of the Standing Technical Committee on Synthetic Detergents for many years. Warner joined the committee and served as Chairman 1970-1974 during which period it came under the Department of the Environment.

C.225-C.227 Correspondence

C.228-C.231 Papers of committee meetings

C.232-C.235 Annual reports

C.236-C.238 Technical papers

**Societies and organisations, C.1-C.585**

<b>C.225-C.227</b>	<b>Correspondence</b>	<b>1964-1969</b>
C.225	1964-1965 Includes correspondence <i>re</i> sodium alkane sulphonate	
C.226	1966	
C.227	1967, 1969	
<b>C.228-C.231</b>	<b>Papers of committee meetings</b>	<b>1965-1969</b>
C.228	17 November 1965, 5 July 1966	
C.229	20 February, 8 May, 10 July, 18 October 1968	
C.230	14 May, 10 July 1969	
C.231	25 August, 20 October 1969	
<b>C.232-C.235</b>	<b>Annual reports</b>	<b>1964-1969</b>
C.232	Correspondence and papers <i>re</i> annual reports for 1964-1968	1964-1969
C.233-C.235	Eleventh annual report 1969  Drafts of report and comments thereon, especially relating to the report's treatment of enzymes in detergents.  3 folders.	1969

**Societies and organisations, C.1-C.585**

<b>C.236-C.238</b>	<b>Technical Papers</b>	<b>1964-1970</b>
	<p>These are background papers on detergents and related subjects circulated to the committee members for information.</p> <p>They form a sequence TP 146-TP 351 though it is not complete. TP 300-TP 351 were found in a folder inscribed: 'Set of "TP" papers TP 300 - date for Sir Frederick Warner'.</p>	
C.236	List of Technical Papers 34, 146-299	1969
	<p>The papers cover the period 1958, 1964-1969. Not a complete sequence.</p> <p>At TP 351 is a similar list of papers 300-350 (1969-1970).</p>	
C.237	Technical Papers 146-351	1964-1970
	1 bundle.	
C.238	Unnumbered technical papers	1960s
<b>C.238A</b>	<b>MINISTRY OF TECHNOLOGY</b>	<b>1965-1967</b>
	<p>Correspondence <i>re</i> Joint Enquiry on Technicians, 1967; miscellaneous duplicated typescript information on the engineering profession etc.</p>	
<b>C.239, C.240</b>	<b>NATIONAL ECONOMIC DEVELOPMENT OFFICE</b>	<b>1972-1985</b>
C.239	Reports of the Process Plant Working Party	1972-1977
	Reports 7-12.	

**Societies and organisations, C.1-C.585**

- C.240                      Report of the Task Force on Quality and Standards  
'Quality and Value for Money' (May 1985).                      1985
- Chiefly correspondence and papers *re* reception of the report.
- Warner chaired the Task Force. The report urged British industry to adopt a 'total quality approach' to raise standards of its products.
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- C.241-C.243                      **NATIONAL RESEARCH DEVELOPMENT CORPORATION (NRDC)**                      1969-1972
- Miscellaneous correspondence, filed under NRDC, relating to commercial exploitation of scientific work. Includes correspondence with H.B. Locke, Head of Special Projects of NRDC.
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- C.241                      1969-1971
- Includes correspondence and papers *re* pollution control and sewage.
- 
- C.242                      1972
- Paper on investment and planning in research and development.
- 
- C.243                      1972
- 
- 
- C.244                      **NORTH ATLANTIC TREATY ORGANISATION**                      1995
- Correspondence *re* Meeting of NATO Advisory Panel for the Priority Area on Environmental Security, Prague, Czech Republic, November.
- Warner was a Panel member.

**Societies and organisations, C.1-C.585**

**C.245-C.261                      OPEN UNIVERSITY                      1976-1977,  
1986**

Warner served as Pro-Chancellor of the Open University.

C.245, C.246                      'Marxist controversy'  
C.247-C.255                      General correspondence and papers  
C.256-C.258                      Paedophile Information Exchange case  
C.259, C.260                      Staff  
C.261                                  Open University course

**C.245, C.246                      'Marxist controversy'                      1976-1977**

Contents of Warner's folder: material relating to allegations of Marxist bias in Open University course.

The allegations were aired initially in *The Times* on 10 December 1976 in an article by Hugh Freeman relating to Open University course books. Similar allegations were made by Julius Gould in the *Times Educational Supplement* and repeated in *The Times* in February 1977. The University's Academic Advisory Committee met to examine the allegations and review its procedures.

C.245                                  Correspondence and papers, December 1976-February 1977                      1976-1977

Includes copies of press coverage and report of the Dean of the Faculty.

C.246                                  Correspondence and papers, March-May 1977                      1977

Includes interim report of the Academic Advisory Committee.

**C.247-C.255                      General correspondence and papers                      1977**

C.247                                  January-February

**Societies and organisations, C.1-C.585**

C.248 February-March

C.249 April

Includes correspondence *re* Price Waterhouse survey of the administrative organisation of the Open University.

C.250 May

C.251 June

C.252 October

C.253 November

C.254 'The Open University. Review of Government and Management Structure', draft report by Price Waterhouse, November

C.255 December

**C.256-C.258 Paedophile Information Exchange case**

**1977**

Correspondence and papers relating to action taken against Mr T. O'Carroll, an Assistant Information Officer at the University and chairman of the Paedophile Information Exchange.

C.256 August-September

C.257 October

**Societies and organisations, C.1-C.585**

C.258	November	
<b>C.259, C.260</b>	<b>Staff</b>	<b>1977</b>
	2 folders.	
<b>C.261</b>	<b>Open University course</b>	<b>1986</b>
	Video cassette of BBC Open University television programme 'What's All This About Quality?', 1986.	
	Introduced by J.M. Juran featuring Warner as Chairman of the Specialist Group on Quality and Standards.	
<b>C.262-C.287</b>	<b>PARLIAMENTARY OFFICE OF SCIENCE AND TECHNOLOGY</b>	<b>1988, 1992-1996</b>
	The Parliamentary Office of Science and Technology (POST) was instituted in 1987 as an independent office to provide dispassionate information and analysis of scientific and technological issues to Parliament. It became an office of Parliament in April 1993. Warner was a member of the Board.	
	C.262, C.263	General correspondence and papers
	C.264-C.269	Board meetings
	C.270C.273	Drafts of POST 'Briefing Notes'
	C.274-C.287	Drafts of POST reports
<b>C.262,C.263</b>	<b>General correspondence and papers</b>	<b>1988-1995</b>
C.262	First report of POST	1992
C.263	Miscellaneous correspondence	1988-1995

**Societies and organisations, C.1-C.585**

<b>C.264-C.269</b>	<b>Board meetings</b>	<b>1992-1995</b>
	Agenda, briefing notes, papers and minutes.	
C.264	22 January, 18 February, 4 March, 28 April	1992
C.265	20 May, 1 July, 28 October	1992
C.266	2 February, 14 July, 23 November	1993
C.267	15 February, 10 May	1994
C.268	5 July, 21 November	1994
C.269	7 March, 23 May, 18 October	1995
<b>C.270-C.273</b>	<b>Drafts of POST 'Briefing Notes'</b>	<b>1992-1995</b>
	Nos 32-71 (not a complete sequence).	
	4 folders.	
	The drafts were circulated among Board members for correction and comment.	
<b>C.274-C.287</b>	<b>Drafts of POST reports</b>	<b>1992-1996</b>
	14 folders.	
	The drafts were circulated among Board members for correction and comment.	



**Societies and organisations, C.1-C.585**

**C.288, C.289                      ROYAL COMMISSION FOR THE EXHIBITION OF 1851                      1994-1995**

Correspondence and papers, chiefly *re* applications to the Royal Commission for support for Millennium projects, and membership of Board.

Warner was a member of the Board of Management.

C.288                      Correspondence and papers

C.289                      Applications for Millennium project funding

**C.290-C.298                      ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION                      1971-1977**

The Royal Commission on Environmental Pollution (RCEP) is an independent standing body established in 1970 to advise the Queen, the Government, Parliament and the public on environmental issues. Warner served on the Royal Commission 1973-1976, during which period it published its Fourth Report (December 1974) on 'Pollution Control: Progress and Problems', Fifth Report (January 1976) 'Air Pollution Control: an Integrated Approach', and Sixth Report (September 1976) 'Nuclear Power and the Environment'.

C.290                      Membership                      1971, 1973,  
1976

Also includes 1971 duplicated typescript letter from RCEP.

C.291                      Fourth Report (December 1974), 'Pollution Control: Progress and Problems'                      1977

Correspondence *re* qualifications in pollution control.

C.292                      Fifth Report (January 1976), 'Air Pollution Control: an Integrated Approach'                      1976

Material *re* second consultation paper.

**Societies and organisations, C.1-C.585**

C.293-C.298	Sixth Report (September 1976), 'Nuclear Power and the Environment'.  Correspondence and papers <i>re</i> reception of the report.  6 folders.  At C.296 is transcript of Warner's interview with London Weekend Television for 'Weekend World'.	1976-1977
C.299-C.321	<b>ROYAL SOCIETY</b>  Warner was elected to the Fellowship of the Royal Society in 1976 (Leverhulme Medal 1978, Buchanan Medal 1982). He served as Chairman of the British National Committee on Problems of the Environment 1977-1980, in which capacity he urged the Royal Society to establish the Study Group on Risk Assessment (see C.322-C.411).	1973-1993
C.299-C.309	General correspondence and papers	1980-1995
C.299, C.300	'European Parliament - scientific advice'  Contents of Warner's folder so labelled divided into two for ease of reference: correspondence and papers <i>re</i> draft European Directive on the Major Accident Hazards of Certain Industrial Activities, European nuclear safety policy and other matters.	1980-1982
C.301, C.302	Royal Society memorandum to House of Lords Select Committee on Science and Technology enquiry into Hazardous Waste Disposal  2 folders.	1980-1981
C.303	Miscellaneous correspondence  Includes material <i>re</i> scientific cooperation between the UK and the Soviet Union.	1984-1989
C.304	Correspondence <i>re</i> Warner's contribution to Science and Technology Committee of the Council of Europe, March	1986

**Societies and organisations, C.1-C.585**

C.305	Correspondence and papers, chiefly <i>re</i> House of Lords Inquiry into Proposals for International Scientific Programmes.	1990
C.306	Miscellaneous correspondence and papers	1991-1992
C.307	Correspondence <i>re</i> Department of Energy nuclear research and development programme	1991
C.308	Material <i>re</i> Russian Academy of Sciences visit to UK, May 1992	1992
C.309	Miscellaneous correspondence	1995
C.310-C.316	British National Committee on Problems of the Environment  Chiefly papers for meetings and papers circulated to Committee members.  Warner served as Chairman of the British National Committee for Problems of the Environment.	1973-1989
C.310-C.313	1973  4 folders.	
C.314	1980  Papers on the improvement of communication between scientists in European Community countries on European Directives on environmental matters.  A meeting was held at the Royal Society on 7 May.	
C.315	1987	
C.316	1989	

**Societies and organisations, C.1-C.585**

C.317	British National Committee for ICSU  Miscellaneous papers circulated to Committee members.	1981-1982
C.318	Technology Activities Committee  Chiefly <i>re</i> suggested lectures for Soirees and Discussion Meetings.	1993
C.319	Proposals for Royal Society Discussion Meetings  Includes correspondence from Fellows seeking Warner's support for proposals to go to the Hooke Committee.	1983-1991
C.320, C.321	References	1983-1993
C.320	Fellowship	1983-1990
C.321	Travel grants	1990-1993
C.322-C.517	<b>ROYAL SOCIETY STUDY GROUPS ON RISK</b>  The idea that the Royal Society should make a study in the assessment of risk had been made in 1977. Towards the end of 1978, the Council of the Royal Society received a paper from Warner (then Chairman of the British National Committee for Problems of the Environment) proposing a Study Group on Assessment and Perception of Risks. A Study Group was duly established which reported in 1983. In July 1991 the Council of the Royal Society, again following a suggestion from Warner, invited him to set up a Study Group to review the 1983 report. It reported more quickly; 'Risk: Analysis, Perception and Management' was published the following year.	1977-1994
C.322-C.411	Study Group 1983	
C.412-C.513	Study Group 1992	
C.514-C.517	General background material	

**Societies and organisations, C.1-C.585**

**C.322-C.411**

**Study Group 1983**

**1977-1984**

The first Royal Society Study Group on Assessment and Perception of Risks was established at the end of 1978. The Council agreed and laid down the following terms of reference:

'(a) To consider the scientific principles that should contribute to any assessment of risk, and in particular to consider the validity of dose-response relationships, threshold limit values and other numerical foundations of risk assessment and safety procurement.

(b) To consider the scientific and other factors which may be taken into account by individuals and society in judging the acceptability of risk.

(c) To evaluate the present basis of risk-benefit and cost-benefit analysis and to consider the implications in alternative choices based on such analysis.

(d) To consider whether it would be useful for the Royal Society to hold a Discussion Meeting on some aspect of the subject.

(e) To report and make recommendations to Council.'

Warner was Chairman of the Study Group.

After some discussion the Group felt that it should focus on risk estimation in areas such as engineering and biological risks, on the perception of risk and on risk management. Initially two subgroups were established, on assessment and perception of risk. The Study Group had intended to report in the summer of 1980 but it soon became evident that it was difficult to reach agreement because of the wide variations in use of terminology between disciplines. Consequently five subgroups were established, covering perception of risk (under T.R. Lee), identification and assessment (F.R. Farmer), observations on man (R. Doll), laboratory experiments (B.C.L. Weedon) and risk management (J. Dunster).

A decision was taken to supplement the work by a two-day Discussion Meeting (held in November 1980, see C.363-C.376) which enabled the Study Group to hear a wide variety of views from others in the UK and research workers from abroad. The proceedings of this meeting were published as 'The Assessment and Perception of Risk' (*Proc. R. Soc. Lond.*, A 376, 1-206, 1981).

The Study Group held its first meeting in November 1978 and met thirteen times. Its report *Risk Assessment: A Study Group Report* was published by the Royal Society in 1983.

The material is arranged as follows:

**Societies and organisations, C.1-C.585**

C.322-C.347	General correspondence and papers
C.348-C.362	Papers of Study Group meetings
C.363-C.376	Royal Society Discussion Meeting on 'The Assessment and Perception of Risk', 12-13 November 1980
C.377-C.393	Report
C.394-C.411	Background material

<b>C.322-C.347</b>	<b>General correspondence and papers</b>	<b>1977-1983</b>
C.322	1977-1978 Initial suggestion for study group on risk assessment.	
C.323	Rules, membership	1978
C.324	November-December First meeting and participation in Department of the Environment/Health and Safety Executive Seminar on Risk, Sunningdale, Berkshire, 3-4 January 1978.	1978
C.325	January-February	1979
C.326	March-April Meeting, perception of First and Second World Wars, risks associated with coalmining.	1979
C.327	May-June Includes correspondence with H. Inhaber <i>re</i> sulphur oxides.	1979

**Societies and organisations, C.1-C.585**

C.328	July-September	1979
	Includes copy of exchange with James Prior, Secretary of State for Employment, <i>re</i> restrictions placed on scientific research in the name of safety.	
C.329	October	1979
	Includes working 'second draft' for group discussion by F.R. Farmer.	
C.330	December	1979
C.331	January-February	1980
	Includes material produced by the subgroup on perception of and attitudes to risk, and comments on the current draft of the report of the Study Group.	
C.332	March	1980
	Includes comments on draft report.	
C.333	April	1980
	Includes references to carcinogenic activity in chemicals.	
C.334	May	1980
C.335	June	1980
C.336	July	1980
	Includes comments by Sir Hermann Bondi on drafts of the subgroups and responses thereto.	
C.337	January	1981

**Societies and organisations, C.1-C.585**

C.338	March	1981
	Includes partial draft report of subgroup on 'The use of laboratory experiments in the assessment of risk to man'.	
C.339	March	1981
	Paper 'Assessment of risk from observations on man' by R. Doll.	
C.340	April-July	1981
C.341	August	1981
C.342	September-November	1981
	In April the Study Group held what it was hoped would be its last meeting. Several letters comment on this.	
C.342A	December	1981
C.343	January-April	1982
	Includes correspondence <i>re</i> summary and conclusions of report.	
C.344	May-July	1982
	Comments on final draft, form of publication.	
C.345	August-October	1982
C.346	December	1982



**Societies and organisations, C.1-C.585**

C.347	January-May Publication of report, dissolution of Study Group.	1983
<b>C.348-C.362</b>	<b>Papers of Study Group meetings</b>	<b>1978-1982</b>
C.348	List of meetings; minutes of first meeting, 16 November	1978
C.349	Papers of meeting, 22 January	1979
C.350	Papers of meeting, 8 May	1979
C.351	Papers of meeting, 25 July	1979
C.352	Agenda of meeting, 13 November and papers of meeting of subgroup 11 December	1979
C.353	Papers of meeting, 5 February	1980
C.354, C.355	Papers of meeting, 14 April 2 folders.	1980
C.356	Papers of meeting, 13 June	1980
C.357	Papers of meeting, 24 July	1980
C.358	Papers of meeting, 2 December	1980
C.359	Papers of meeting, 18 March	1981

**Societies and organisations, C.1-C.585**

C.360	Papers of meeting, 19 May	1981
C.361	Papers of meeting, September	1981
C.362	Papers of final meetings, 2 February and 19 April	1982
<b>C.363-C.376</b>	<b>Royal Society Discussion Meeting on 'The Assessment and Perception of Risk', 12-13 November 1980</b>	<b>1979-1981</b>
C.363-C.365	Correspondence <i>re</i> arrangements 3 folders.	1979-1980
C.366	Correspondence and papers <i>re</i> meeting exhibition	1980
C.367	Draft and final programmes	1980
C.368	Notice; list of participants; abstracts	1980
C.369-C.373	Press copies of papers presented 5 folders.	1980
C.374	Transcripts of discussion remarks; proof copy of Warner's 'Concluding remarks'	1980
C.375	Photocopy press coverage	1980-1981
C.376	Correspondence arising	1980-1981

**Societies and organisations, C.1-C.585**

<b>C.377-C.393</b>	<b>Report</b>	<b>1980-1984</b>
C.377	Preface and contents Typescript drafts.	
C.378	Summary and conclusions Manuscript drafts	
C.379	Chapter One. Introduction Manuscript and typescript drafts.	
C.380-C.382	Chapter Two. Estimating Engineering Risks Typescript drafts. 3 folders.	
C.383, C.384	Chapter Three. Laboratory Experiments for Estimation of Biological Risks Typescript drafts. 2 folders.	
C.385, C.386	Chapter Four. Estimation of Risk from Observations on Man Typescript drafts. 2 folders.	
C.387, C.388	Chapter Five. The Perception of Risks Typescript drafts. 2 folders.	

**Societies and organisations, C.1-C.585**

- C.389, C.390 Chapter Six. Risk Management  
Typescript drafts.  
2 folders.
- C.391 Appendix II. Risk-benefit Analysis  
Typescript drafts.
- C.392 Bibliography  
Photocopy manuscript.
- C.393 Correspondence and papers *re* reception of the report 1983-1984  
Includes transcript of interview with Warner for BBC Radio  
'Science in Action'.
- C.394-C.411 Background material late 1970s-early 1980s**  
  
Printed and duplicated typescript material on risk assessment, perceptions and particular types of hazards (C.400-C.410).
- C.394 Minutes of meetings of the Royal Society Study Group on Safety in Research 1979
- C.395 General literature on risk
- C.396, C.397 Risk assessment  
2 folders.
- C.398, C.399 Risk perception  
2 folders.

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C.400 Building and structures

C.401, C.402 Chemicals and pollutants  
2 folders.

C.403 Natural disasters

C.404-C.407 Power generation  
Chiefly nuclear energy and risks compared to other energy sources.  
4 folders.

C.408 Radiation

C.409, C.410 Transportation  
Chiefly risks of road travel.  
2 folders.

C.411 Miscellaneous

**C.412-C.513 Study Group 1992 1991-1994**

In July 1991, following a suggestion from Warner, the Council of the Royal Society, invited him to set up a Study Group to review the 1983 report on risk assessment with the following terms of reference:

(i) To update and advance the study on Risk Assessment published in 1983.

(ii) To consider and help bridge the gap between what is stated to be scientific, and capable of being measured, and the way in which public opinion gauges risk and makes decisions.

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(iii) To compare the decisions taken on investment by society in the reduction of risks and allocation of resources implied on risk-benefit criteria.

(iv) To report to Council with a view to a further publication by the Society.

Warner chaired the study group.

Shortly after publication was held the International Risk Assessment Conference, London, 5-9 October 1992 (see F.213-F.226).

C.412-C.424	General correspondence and papers
C.425-C.448	Correspondence with individuals and organisations
C.449-C.456	Papers of Study Group meetings
C.457-C.462	Progress Reports
C.463-C.477	Toxicology and nutrition subgroup
C.478-C.504	Group report
C.505-C.508	Foundation for Science and Technology/Royal Society Joint Meeting on Risk, 15 October 1992
C.509-C.513	Background material

<b>C.412-C.424</b>	<b>General correspondence and papers</b>	<b>1991-1994</b>
C.412	March-June Establishment of the new Study Group and membership. Includes 2pp manuscript proposal by Warner.	1991
C.413	July-August Includes confirmed terms of reference and membership.	1991
C.414	September-October Includes correspondence <i>re</i> first meeting.	1991

**Societies and organisations, C.1-C.585**

C.415	November-December	1991
C.416	December  Papers by Joye Tait and others on the perception and understanding of risks of biotechnology.	1991
C.417	January-February	1992
C.418	March-April	1992
C.419	May-June  Includes correspondence <i>re</i> Royal Commission on Environmental Pollution enquiry on transport and the environment.	1992
C.420	July  Includes comments on draft of report and timetable for completion.	1992
C.421	August  Includes timetable for completion and programme for Conference on Risk organised by COPUS 22 September 1992, at which Warner spoke on 'What is risk and can we measure it?'	1992
C.422	September-December  Chiefly arrangements for publication and release of report.	1992
C.423	'Risk', <i>Science and Public Affairs</i> , December 1992  3pp typescript and manuscript + figures; correspondence October-December 1992.	1992

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This article for the journal *Science and Public Affairs* drew attention to the report and its findings.

- C.424                      1993-1994
- Includes corrections to published report.
- C.425-C.448                      Correspondence with individuals and organisations                      1991-1993**
- Warner's files of correspondence with individual members of the Study Group, chiefly on drafting the report, and with associated organisations.
- Arranged alphabetically.
- C.425                      Donald Acheson                      1991-1992
- Acheson was Chief Medical Officer at the Department of Health.
- C.426                      J.M. Ashworth                      1991-1993
- Ashworth was Director of the London School of Economics.
- C.427, C.428                      British Standards Institution                      1991
- Information on British Standards relating to risk.
- 2 folders.
- C.429-C.432                      David Cox                      1991-1994
- 4 folders.
- Cox was Warden of Nuffield College Oxford.
- C.433, C.434                      Bernard Crossland                      1991-1993
- Crossland was Professor emeritus at the Queen's



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University of Belfast.

2 folders.

- |              |  |                          |
|--------------|--|--------------------------|
| C.435-C.437  | Health and Safety Executive  | 1983, 1988,<br>1991-1993 |
|              | 1983 and 1988 material is earlier information from the HSE.  |                          |
|              | 3 folders.   |                          |
| C.438        | C. Hood  | 1991-1992                |
|              | Includes correspondence with other members of LSE staff.   |                          |
|              | Hood was a Professor in the Department of Government, LSE.   |                          |
| C.439        | T.R. Lee   | 1991                     |
| C.440        | H.J. Newby   | 1991-1992                |
|              | Professor Newby worked for the Economic and Social Science Research Council.   |                          |
| C.441        | R. Peto  | 1991-1992                |
|              | Peto was Reader in Cancer Studies at the Radcliffe Infirmary, Oxford.  |                          |
| C.442        | J.C. Polkingthorne   | 1991-1992                |
|              | Polkingthorne was President of Queen's College Cambridge.  |                          |
| C.443, C.444 | R.E. Richards  | 1991-1993                |
|              | Material <i>re</i> application to the Leverhulme Trust for support for work on The Perception and Assessment of Risk, including report January 1993 (C.444). |                          |

**Societies and organisations, C.1-C.585**

Richards was Director of the Leverhulme Trust at this time.

2 folders.

C.445	R. Shepherd	1991
	Shepherd worked at the Institute of Food Research, Shinfield, Reading.	
C.446, C.447	C.W. Suckling	1991
	Suckling chaired the Toxicology Subgroup.	
	2 folders.	
C.448	G.F. White	1991
	Two letters to Warner only.	
C.449-C.456	<b>Papers of Study Group meetings</b>	<b>1991-1992</b>
C.449	Hardback notebook labelled on front cover 'Royal Society Risk Study Oct '91 on. Linda Appleby Scope Research Unit Essex Uni'	1991-1992
	Used for manuscript notes of meetings 2 October 1991 and 6 February 1992.	
C.450	Papers of meeting, 2 October	1991
C.451	Papers of meeting, 6 February	1992
C.452	Papers of meeting, 25 March	1992
C.453	Papers of meeting, 24 April	1992

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C.454	Papers of meeting, 21 May	1992
C.455	Minutes of meeting, 24 June	1992
C.456	Notes of meeting, 23 July	1992
<b>C.457-C.462</b>	<b>Progress reports</b>	<b>1991-1992</b>
C.457	Report no. 1, July	1991
C.458	Report no. 2, August	1991
C.459	Report no. 3, August	1991
C.460	Report no. 4, September	1991
C.461	'Risk Group information', December	1991
C.462	Report on developments, April	1992
<b>C.463-C.477</b>	<b>Toxicology and nutrition subgroup</b>	<b>1991-1992</b>
	This group was responsible for drafting chapter three. It was chaired by C.W. Suckling.	
C.463-C.471	General correspondence and papers Chiefly <i>re</i> drafts of sections of chapter three.	1991-1992

**Societies and organisations, C.1-C.585**

C.463, C.464	Administrative material  Correspondence, papers and notes kept by Linda Appleby, secretary to the Risk study group and toxicology subgroup. Organisation of meetings etc.  2 folders.	1991-1992
C.465	December  Includes first 'tenuous' draft of toxicology chapter.	1991
C.466	January  Includes second draft.	1992
C.467	February-March	1992
C.468	April  Includes draft of chapter and draft on nutrition and disease.	1992
C.469	May  Includes sections of draft chapter.	1992
C.470	June  Includes sections of draft chapter.	1992
C.471	July	1992
C.472-C.477	Papers of subgroup meetings  Includes summaries of issues raised.	1991-1992

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C.472	Papers of meeting, 18 December includes L. Appleby's manuscript notes.	1991
C.473	Papers of meeting, 10 January	1992
C.474	Papers of meeting, 22 January	1992
C.475	Papers of meeting, 19 February	1992
C.476	Papers of meeting, 5 March	1992
C.477	Papers of meeting, 22 April	1992
<b>C.478-C.504</b>	<b>Group Report</b>	<b>1992-1994</b>
C.478	Summary and conclusions Manuscript and typescript drafts.	1992
C.479	Preface and contents Manuscript and typescript drafts.	1992
C.480, C.481	Chapter One. Introduction Manuscript and typescript drafts; comments. 2 folders. This was written by Warner.	1992
C.482, C.483	Chapter Two. Estimating Engineering Risk Manuscript and typescript drafts; comments and	1992

**Societies and organisations, C.1-C.585**

corrections.

2 folders.

- |              |   |      |
|--------------|---|------|
| C.484-C.486  | Chapter Three. Toxicity, Toxicology, and Nutrition<br><br>Manuscript and typescript drafts; comments and corrections.<br><br>3 folders<br><br>See also C.463-C.477.   | 1992 |
| C.487-C.491  | Chapter Four. Estimation of Risk from Observation on Man<br><br>Manuscript and typescript drafts; comments and corrections.<br><br>5 folders.<br><br>This chapter was subject to particularly extensive revision. | 1992 |
| C.492-C.494  | Chapter Five. Risk Perception<br><br>Manuscript and typescript drafts; comments and corrections.<br><br>3 folders.  | 1992 |
| C.495-C.497  | Chapter Six. Risk Management<br><br>Manuscript and typescript drafts; corrections.<br><br>3 folders.  | 1992 |
| C.498        | Proof copy with corrections.  | 1992 |
| C.499, C.500 | Correspondence <i>re</i> preparation, proof-reading and publication of the report, May-October<br><br>2 folders.  | 1992 |

**Societies and organisations, C.1-C.585**

- |                    |  |                     |
|--------------------|--|---------------------|
| C.501              | Launch of Report<br><br>See also C.505   | 1992                |
| C.502              | Issue of <i>Technology, Innovation and Society</i> , vol 8, winter 1993, featuring the report<br><br>Includes introduction to the report by Warner.                | 1993                |
| C.503              | Reviews of the report  | 1992-1994           |
| C.504              | Dis-bound copy of report<br><br>Rebound (treasury tags) with correspondence and corrections interleaved in preparation for 1994 reprinting.                        | 1993                |
| <b>C.505-C.508</b> | <b>Foundation for Science and Technology/Royal Society Joint Meeting on Risk, 15 October 1992</b><br><br>This meeting was held to launch and introduce the report. | <b>1992-1993</b>    |
| C.505, C.506       | Correspondence <i>re</i> arrangements, participants  | 1992                |
| C.507              | Lectures given<br><br>Texts of presentations by Warner (2pp typescript + tables and figures) and Sir Bernard Crossland (4pp typescript)                            | 1992                |
| C.508              | Correspondence arising   | 1992-1993           |
| <b>C.509-C.513</b> | <b>Background material</b><br><br>Printed, photocopied and duplicated typescript material on risk assessment, perceptions and types of hazards.                    | <b>ca 1988-1992</b> |

**Societies and organisations, C.1-C.585**

C.509	Lists of background material	1980s, 1992
C.510, C.511	'Royal Society Risk Group'. Contents of Warner's file so labelled  Background material on risk.  2 folders.	1988-1991
C.512	Contents of Warner's untitled file  Background material on risk.	1990-1993
C.513	Numbered sequence of background material  The material is numbered in a sequence from 0002-0136. Only a few items are missing.  2 boxes.	ca 1988-1993
<b>C.514-C.517</b>	<b>General background material</b>  Printed, photocopied and duplicated typescript material on risks from particular types of hazards.	<b>1980s-1990s</b>
C.514	'Risk Assessment. Chemicals in the environment'  Material so labelled.	1980s
C.515	Flood hazards	1989-1990
C.516	Chiefly disaster planning and management	1980s-1990s
C.517	Chiefly nuclear hazards	1979-1980



**Societies and organisations, C.1-C.585**

**C.518, C.519                      SCIENCE AND ENGINEERING PROFESSIONAL GROUP                      1985-1986**

This was founded in 1977 with membership made up of Presidents or their deputies of the leading engineering and science institutions. Warner was made Chairman in 1985.

C.518                      Appointment as Chairman 1985; meeting 17 February 1986                      1985-1986

C.519                      Background material on education and training in science and engineering                      1986

**C.520, C.521                      SCIENCE MUSEUM, LONDON                      1985, 1989**

C.520                      Correspondence, chiefly from Robert Bud

Includes material *re* Advisory Committee on Chemical Engineering and Industrial Chemistry, 1985 (see also G.204, G.205, G.222).

Correspondence 1989 is *re* proposed new gallery 'Eurometrics'.

C.521                      Photocopies of articles by Bud.

**C.522                      SELWOOD FOUNDATION FOR MODERN LEARNING                      1993**

The Selwood Foundation was established 'to support and promote the communication and publication of information for modern learning in that learning is a basic condition for democratic government and to share, help and prompt good practices in learning and its communication'.

**Societies and organisations, C.1-C.585**

**C.523, C.524                      SOCIETY FOR RISK ANALYSIS                      1986-1987**

The Society established a European branch in 1986. Warner accepted an invitation to serve on the Advisory Committee.

C.523                      Invitation to serve on Advisory Committee, first meeting of the Advisory Committee, February 1987                      1986-1987

C.524                      Circulars and information                      1987

**C.525-C.528                      SOCIETY OF CHEMICAL INDUSTRY                      1962-1970**

C.525                      List of members of Industrial Water and Effluents Group                      1962

C.526                      Notices, circulars etc                      1967-1968

C.527                      Notices, circulars etc                      1969

C.528                      Notices, circulars etc                      1970

**C.529                      SUPPORTERS OF NUCLEAR ENERGY                      1999**

Printed material following launch.

This group was established to promote nuclear energy's place in global energy supply.

**Societies and organisations, C.1-C.585**

**C.530-C.547**                      **UNITED KINGDOM NATIONAL COORDINATION  
COMMITTEE FOR THE INTERNATIONAL DECADE  
FOR NATURAL DISASTER REDUCTION**                      **1988-1994**

See also F.232.

The decade 1990-2000 was designated by the UN General Assembly as one in which 'the international community, under the auspices of the United Nations, will pay special attention to fostering international cooperation in the field of natural disaster reduction'.

The UK National Coordination Committee for the International Decade for Natural Disaster Reduction (UKIDNDR Committee) was established in 1990 jointly by the Royal Society and Fellowship of Engineering to identify and make recommendations for UK contributions to the IDNDR, coordinate such contributions and report back on progress.

In its early stages the Committee was closely linked to the Hazards Forum, which was being established at the same time (C.114-C.141). Warner was a member of the Committee as chair of the Hazards Forum.

C.530-C.535                      General correspondence and papers                      1988-1994

C.530                      Correspondence and papers *re* meeting on possible Hazards Forum, October-December                      1988

C.531                      Correspondence and papers, January-April                      1989  
Chiefly on possible establishment of a Hazards Forum.

C.532                      'Hazards and Professional Engineers', ca April                      1989  
Discussion paper with introduction by Warner.

C.533                      Correspondence and papers, May                      1989  
Includes UN IDNDR 'Report on the fourth meeting of the International Group of Experts in Tokyo 10-14 April 1989' and Fellowship of Engineering Response.

**Societies and organisations, C.1-C.585**

C.534	Correspondence and papers, June-September	1989
C.535	Correspondence and papers	1990-1994
C.536-C.546A	Meetings	1989-1992
C.536	Meeting on UK contribution to IDNDR, 4 July Aide Memoire of meeting, associated documents.	1989
C.537	Committee meeting, 20 November Minutes of meeting, terms of reference.	1990
C.538, C.539	Committee meeting, 8 March Papers of meeting. 2 folders.	1991
C.540-C.542	Committee meeting, 24 June Papers of meeting. 3 folders.	1991
C.543-C.545	Committee meeting, 24 September Papers of meeting. 3 folders.	1991
C.546, C.546A	Workshop on Opportunities for British Involvement in the International Decade for Natural Disaster Reduction, London, 27 March 1992	1992
C.546	Programme, list of participants, papers.	

**Societies and organisations, C.1-C.585**

C.546A	Published Proceedings	
C.547	Background material  Printed and duplicated typescript material on the IDNDR and natural disasters.	1989-1993
C.548-C.551	<b>UNIVERSITY COLLEGE LONDON</b>  Warner was Visiting Professor in the Department of Architecture and Planning to 1986 and a Fellow of the College from 1967.	1975-1990
C.548	Miscellaneous correspondence	1975-1977
C.549	Correspondence and papers  Includes papers of the 150th Anniversary Appeal Committee	1983-1984
C.550	Correspondence	1985-1990
C.551	Appointments	1977
C.552	<b>UNIVERSITY OF CAMBRIDGE</b>  Material of H.W. Cremer: Appointments Committee of the Department of Chemical Engineering.	1959-1960

**Societies and organisations, C.1-C.585**

<b>C.553-C.557</b>	<b>UNIVERSITY OF EAST ANGLIA</b>	<b>1984-1994</b>
	<p>In 1988 Warner agreed to serve on the Scientific Advisory Committee for the School of Environmental Sciences.</p>	
C.553	Chair in Environmental Risk Assessment; invitation to serve on Scientific Advisory Committee and first meeting	1984, 1988
C.554-C.556	Papers of meetings  3 folders.	1990
C.557	Correspondence and papers	1991-1994
<b>C.558-C.583</b>	<b>VOLUNTEERS FOR IONISING RADIATION</b>	<b>1986-1990</b>
	<p>Following the Chernobyl disaster, at the 1986 AGM of the Fellowship of Engineering Warner suggested the establishment of a voluntary organisation of, initially, engineers and scientists over the age of 65 willing to risk ionising radiation in order to make initial damage assessments in the event of a nuclear accident. He subsequently wrote to members of the Fellowship of Engineering and Royal Society inviting them to participate in the scheme and met with a positive response.</p> <p>Although the idea did not meet with approval in all circles, the VIR were incorporated into the emergency provisions of the Order of St John.</p> <p>The material is retained in Warner's original order.</p>	
C.558	'The Fellowship of Engineering'	1986
	<p>Contents of Warner's folder so labelled: original letter to Fellows of the Fellowship of the Engineering.</p>	
C.559	'VIR F. Royal Soc (FRS)'	1986
	<p>Contents of Warner's folder so labelled: letter to Fellows</p>	

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of the Royal Society.

C.560-C.563	'Letters of response to VIR (F. Eng) and acknowledgement from SFW Circular) in reply'	1986
	Correspondence further categorised by Warner.	
	Not indexed, list at C.564.	
C.560	'Volunteering/requiring further info Replies sent'	
C.561	'VIR F.Eng those willing to support VIR as far as age/disability will permit'	
C.562	'VIR (FEng) Not volunteering but support for VIR idea'	
C.563	'FEng: Not volunteering No indication of support for VIR'	
C.564	F. Eng responses to VIR 10-11-86 onwards'	1986
C.565-C.569	'FRS's responses to VIR + non FRS's responses'	1986-1989
	Correspondence further categorised by Warner.	
	Not indexed, list at C.570	
C.565	'FRS's volunteering'	1986-1987
C.566	'FRS' who would like to help/support VIR so far as age/disability will allow'	1986
C.567	'FRS' who are not volunteering but support idea of VIR'	1986
C.568	'FRS's not volunteering No indication of support for VIR given'	

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C.569	'Non-FEng/FRS'	1986-1989
C.570	'FRS responses to VIR 13-11-86 onwards'	1986
C.571	Hardback notebook labelled on front cover 'Volunteers Radiation emergency (11-11-86 onwards)'	1986
C.572	Typescript and manuscript lists of volunteers and supporters	1986-1990
C.573	Circular letters to volunteers Duplicated typescript.	1986-1990
C.574-C.580	Correspondence Chiefly with various government and other agencies and volunteers about a role for VIR.	1986-1990
C.574	1986 Includes correspondence with Order of St John, British Nuclear Fuels and Central Electricity Generating Board.	
C.575	February-June 1987	
C.576	July-November 1987 Includes correspondence with Lord Mais and J.H. Fremlin <i>re</i> cooperation with St John's.	
C.577	January-September 1988	
C.578	October-December 1988 Includes correspondence <i>re</i> House of Lords debate on	



**Societies and organisations, C.1-C.585**

VIR (extract from Hansard included), and typescript by  
J.H. Fremlin on Radiation.

- |             |  |                   |
|-------------|--|-------------------|
| C.579       | 1989   |                   |
|             | Includes reactions to House of Lords debate.                                       |                   |
| C.580       | 1990   |                   |
|             | Includes VIR tests with Plutonium 237.   |                   |
| C.581-C.583 | Media coverage   | 1986-1989         |
| C.581       | Newspaper coverage   | 1986-1989         |
|             | Cuttings and photocopies.  |                   |
| C.582       | 'TV & radio VIR interviews'  | 1988              |
|             | Manuscript notes.  |                   |
| C.583       | Correspondence with media <i>re</i> VIR  | 1987-1989         |
| C.584       | <b>WESTFIELD COLLEGE UNIVERSITY OF LONDON</b>                                      | <b>1982, 1985</b> |
|             | Centenary appeal 1982; merger with Queen Mary College<br>1985.                     |                   |
| C.585       | <b>MINOR SOCIETIES AND ORGANISATIONS</b>   | <b>1970-1992</b>  |
|             | Includes Committee for Exports to Asia, 1970; Open<br>University Foundation, 1980. |                   |

**SECTION D                      LECTURES AND BROADCASTS, D.1-D.203                      1946-1997**

D.1-D.186                      LECTURES

D.186A-D.199                      BROADCASTS

D.200-D.203                      LISTS OF LECTURES

**D.1-D.186                      LECTURES                      1946-1997**

Arranged chronologically.

See also E.116, E.117.

D.1                      'Theory and Practice. Some Problems in design',  
Chemical Engineering Society, Imperial College London, 9  
December 1949                      1949  
  
2pp manuscript draft.

D.1A                      'Starting-up Plants', Imperial College London, 16  
November 1959                      1959  
  
2pp manuscript draft.

D.2                      'Houldsworth Society Presidential Address', 12 October  
1961                      1961  
  
8pp manuscript draft.

D.3                      'The Excitement of Chemical Engineering', Imperial  
College London, 19 January 1962                      1962  
  
5pp manuscript draft.

D.4                      'Delivering Chemical Engineering Hardware', December  
1962                      1962  
  
3pp manuscript draft.

Lectures and broadcasts, D.1-D.203

- D.5 'Civil engineering contracting in plant construction', with J.L. Derwas, Institution of Chemical Engineers (North-western Branch), Manchester College of Science and Technology, 15 January 1963 1963
- Offprint of the lecture, with details of other contributions made at the symposium.
- D.6 Lecture to the Society of Chemical Industry Dublin & District Section, Ireland, 13 or 14 November 1963 1963
- Warner's suggested title for the lecture was 'Organizing Plant Construction'.
- 2pp manuscript lecture notes; brief correspondence *re* arrangements and arising.
- D.7 Talk to the National Leathersellers College, 23-24 March 1964 1964
- 4pp manuscript and 1p typescript (with manuscript annotations) notes for the talk; programme; letter to Warner *re* preparation for his talk.
- Warner opened the discussion on 'Future developments in traditional industries'.
- D.8 'Engineering as a profession', '[?] Centre G & S Section', 'IC 29.10.64' 1964
- 1p manuscript notes.
- D.9 'Birmingham 3rd Feb. 1965. Engineering cooperation - EIJC, 13 voices or one?' 1965
- 2pp manuscript notes.
- D.10 'Underground Gasification of Coal: Part II', with J. Szekely, American Institute of Chemical Engineers and Institution of Chemical Engineers Joint Meeting, London, 13-17 June 1965 1965
- Offprint.
- See also F.1, F.2.

Lectures and broadcasts, D.1-D.203

- |      |  |         |
|------|--|---------|
| D.11 | <p>'The professional chemical engineer', Council of Engineering Institutions South East Branch, 18 January 1966</p> <p>10pp manuscript draft.</p> <p>The lecture appears also to have been delivered at an AGM of the Institution of Chemical Engineers.</p> | 1966    |
| D.12 | <p>'Excitement in engineering', Bishop's Stortford College, 4 February 1966</p> <p>3pp manuscript draft.</p>   | 1966    |
| D.13 | <p>'The influence of the new engineering profession charter on the development of the chemical industry', Chemical Industries Association NW Region, Manchester, 9 February 1966</p> <p>Correspondence <i>re</i> arrangements; 1p manuscript notes.</p>      | 1966    |
| D.14 | <p>'Organisation for design 15/2/66'</p> <p>2pp manuscript draft.</p>  | 1966    |
| D.15 | <p>'Pollution in chains, European Federation of Chemical Engineering Conference'</p> <p>Photocopy 8pp typescript.</p> <p>A pencil note by Warner on the first page dates the lecture to 'around 1966'.</p>   | ca 1966 |
| D.16 | <p>'Engineering into Europe', 'EJB', 8 March 1967</p> <p>3pp manuscript notes.</p>   | 1967    |
| D.17 | <p>'A Lifetime in Chemical Engineering', Presidential Address 45th Annual General Meeting of the Institution of Chemical Engineers, London, 16 May 1967</p> <p>Offprint.</p>   | 1967    |

Lectures and broadcasts, D.1-D.203

- D.18 'Cutting Pollution Down to Size', South African Institution of Chemical Engineers, 16 January 1968 1968  
Offprint.
- D.19 'The Design and Location of Plant', Joint Royal Institute of Chemistry and Chemical Society Symposium, Dublin, Ireland, April 1968 1968  
2pp typescript summary of lecture; 11pp typescript draft with manuscript revisions; 2 reprints with manuscript annotations; offprint of symposium papers.
- D.20 Lecture to Junior British Association, Oxford, 10 July 1968 1968  
2pp manuscript (probably incomplete) draft.
- D.21 'Cleaning up the Thames' ca 1968  
9pp typescript, with a further typescript page found with it; list of slides.
- D.22, D.23 'Fluid Mechanics and Process problems', First Fluid Science Lecture on the 21st Anniversary of the incorporation of the British Hydromechanics Research Association, Drapers' Hall, London, 26 November 1968 1968
- D.22 Correspondence etc *re* Warner's preparation for the lecture and *re* arrangements
- D.23 Brief outline notes for the lecture (manuscript and typescript); 3pp manuscript draft of ?abstract or a part of the lecture, with typescript revised version; corrected proof; offprint annotated in Warner's hand; typescript of the lecture in French
- D.24 'Changing Society and the responsibility of Engineers', Oslo, Norway, September 1969 1969  
7pp typescript; offprint.

/...

Lectures and broadcasts, D.1-D.203

- /...
- Warner gave this address as President of European Federation of National Associations of Engineers (FEANI).
- D.25 'Projet d'Espose du Président Sir Frederick Warner aux membres de la S.I.A.', December 1969 1969
- 5pp typescript draft in French, with manuscript revisions and additions.
- Warner gave the talk as President of the European Federation of National Associations of Engineers (FEANI).
- D.26 'Our professional duties. Problems in establishing a potash industry in the North Yorkshire National Park', 9th Brotherton Memorial Lecture, Yorkshire Section of the Society of Chemical Industry, Leeds, 25 March 1970 1969-1970
- Correspondence *re* arrangements and preparation of the lecture and correspondence arising.
- D.27 'The Control of Water Pollution in the River Thames', Athens, Greece, 26 May 1970 1970
- 2pp typescript summary of lecture with manuscript corrections.
- D.28, D.29 'Measurements, Models and Men', Tenth Thomson Lecture, Royal Institution of Great Britain, London, 8 October 1970 1969-1971
- D.28 Correspondence etc *re* arrangements and arising 1969-1971
- D.29 1p manuscript notes; manuscript and typescript summaries of the lecture; 24pp typescript draft; offprint of published lecture; manuscript notes for the lecture in hands of others; background material 1970
- D.30 'Vth FEANI Congress Banquet' ca 1970
- Two typescript drafts of a speech, one with an inscription in Warner's hand on the first page indicating a likely date of 1970.

**Lectures and broadcasts, D.1-D.203**

- |            |  |            |
|------------|--|------------|
| D.31       | <p>'Aqueous Trade Wastes', Imperial College London, 15 January 1971</p> <p>Contents of a file inscribed 'First Lecture 15.1.71.'</p> <p>2pp manuscript notes in Warner's hand; manuscript background notes in another hand; draft programme of lectures to be given by Warner at Imperial College in 1970, 1971.</p> <p>There appear to have been six lectures in the series, see D.33, D.34, D.36-D.37, D.38.</p> | 1970, 1971 |
| D.32       | <p>'General problems of pollution', University College London, 28 January 1971</p> <p>4pp of a manuscript draft (incomplete) and notes.</p> <p>Found in a file inscribed 'Polluting Air and Water. Dept. of Environmental Science'.</p>  | 1971       |
| D.33       | <p>'Sweet River Thames and the Chemical Engineer', 'Second Lecture', Imperial College London, 9 February 1971</p> <p>6pp manuscript draft; background material used by Warner.</p>   |            |
| D.34       | <p>'Problems in air pollution from aluminium smelters', '3rd Lecture', Imperial College London, 19 February 1971</p> <p>3pp manuscript draft (probably incomplete) with lists of slides; manuscript background notes in another's hand; further background material.</p>   | 1971       |
| D.35       | <p>'Town Planning and Air Pollution', University College London, 9 March 1971</p> <p>1p manuscript draft summary of lecture and manuscript lists of slides.</p>  | 1971       |
| D.36, D.37 | <p>'Who Will Pay to Stop Pollution', '5th Lecture' Imperial College London, 13 May 1971</p>  | 1971       |

**Lectures and broadcasts, D.1-D.203**

- D.36 17pp photocopied typescript; brief correspondence arising
- D.37 Various manuscript and printed background material
- D.38 'The Chemical Engineer and Community Needs in Cities',  
'6th Lecture' Imperial College London, 25 May 1971  
  
Contents of a file.  
  
1p manuscript notes; 11pp manuscript draft; background material.
- D.39 Verein Deutscher Ingenieure, June 1971 1971  
  
5pp typescript of a lecture given in Germany on pollution and the responsibilities of the engineer.
- D.40 'Engineers Care for People', University of Newcastle upon Tyne, 15 October 1971 1971  
  
16pp typescript.
- D.41 'Planning, Pollution and People', University College London, 18 January 1972 1972  
  
1p manuscript summary of the lecture.
- D.42 Lecture to Water Resources Board, Reading, 7 March 1972 1972  
  
Brief correspondence; 1p manuscript list of slides annotated 'Lecture IC [Imperial College] 7 March 1972. Air Pollution Dispersion - Anglesey Case Study'.
- D.43 'The Social Consequences of Aid to Developing Countries', Imperial College London, 2 May 1972 1972  
  
2pp manuscript notes.



Lectures and broadcasts, D.1-D.203

- D.44 'Shell May 1972. Practical difficulties of pollution control'  
1p manuscript notes.
- D.45 'Investment Forecasts for the Process Plant Industries',  
Imperial College London, 18 July 1972  
20pp manuscript and typescript draft so entitled;  
manuscript and typescript notes for the lecture, some  
headed 'Investment Forecasting for Process Plant'.
- D.46 'Continuing Education for Engineers', with R. Edgeworth  
Johnstone, FEANI/UNESCO Seminar on Continuing  
Education of Engineers, Helsinki, Finland, 21-24 August  
1972  
12pp typescript; volume of preprints of seminar papers.
- D.47 'Public Lecture', Imperial College London, 2 November  
1972 1972  
26pp typescript.  
In the first paragraph is a reference to the title of the  
lecture: 'Controlling Environmental Damage from Mining  
and Mineral Processing'.
- D.48 H.L. Roy Memorial Lecture, Indian Institute of Chemical  
Engineers, Silver Jubilee Session, Delhi, India, December  
1972 1972  
Offprint; background material.
- D.49-D.52 'Education and the Professions in the European Economic  
Community', Mond Memorial Lecture, Manchester  
University, 8 February 1973. 1972-1973
- D.49, D.50 Correspondence etc *re* arrangements and arising. 1972-1973  
2 folders.

**Lectures and broadcasts, D.1-D.203**

- |            |  |           |
|------------|--|-----------|
| D.51       | 1p typescript summary and 20pp typescript draft of the lecture; reprint.   | 1973      |
| D.52       | Background material.   | 1973      |
| D.53-D.61  | 'Possibilities in Pollution Control', Fifty-ninth Thomas Hawkesley Lecture, Institution of Mechanical Engineers, 28 February 1973.<br><br>Warner repeated the lecture to the North Eastern Branch of the IME, Teesside, 10 April 1973.   | 1972-1973 |
| D.53, D.54 | Correspondence etc <i>re</i> arrangements and arising<br><br>2 folders.  | 1972-1973 |
| D.55       | 37pp typescript draft of the lecture with manuscript revisions (final page missing) and summaries; references.   |           |
| D.56       | Further typescript draft; offprint.  |           |
| D.57       | List of slides and figures for slides.   |           |
| D.58, D.59 | Manuscript notes and various background material.<br><br>3 folders.  |           |
| D.60, D.61 | Contents of a file inscribed 'Thames data'.<br><br>This material possibly relates to the Thomas Hawkesley Lecture.<br><br>Background material, including manuscript notes in the hands of others, with brief related correspondence including a copy of a letter by Warner to <i>The Times</i> (D.60).<br><br>2 folders. |           |

**Lectures and broadcasts, D.1-D.203**

- |       |   |         |
|-------|---|---------|
| D.62  | 'Water Pollution', Imperial College London, 9 May 1973<br><br>1p manuscript notes so entitled; manuscript background notes and lists of slides in another hand.                                       | 1973    |
| D.63  | 'Keynote Lecture' at Imperial College London, 25 September 1973<br><br>1p manuscript notes.   | 1973    |
| D.64  | Lecture at The Duke of Edinburgh's Study Conference: 'Industry in Society', Oxford, 5-20 July 1974<br><br>23pp typescript draft with pasted in revisions.<br><br>See also F.67-F.75.                  | 1974    |
| D.65  | 'Intrusion & pollution - nature of problem', University College London, 21 October 1974<br><br>1p manuscript notes.   | 1974    |
| D.66  | 'Individual Responsibility in Health and Safety', Melchett Lecture, Imperial College London, 9 January 1975<br><br>8pp typescript (incomplete); offprint.   | 1975    |
| D.67  | 'Our Professional Duties', Brotherton Memorial Lecture, University of Leeds, 25 March 1975<br><br>21pp typescript.  | 1975    |
| D.68  | 'Technical methods of control of air pollution from industry', 'Lecture IC - British Council 14/7/75'.<br><br>2pp manuscript draft so entitled; manuscript list of slides, probably for this lecture. | 1975    |
| D.68A | 'The Flixborough Fire'.<br><br>This appears to be a talk on the hazards of chemical   | ca 1975 |

**Lectures and broadcasts, D.1-D.203**

works given during a visit to India in November 1975.

2pp typescript synopsis; newspaper cuttings.

- |            |  |      |
|------------|--|------|
| D.69       | 'Town planners 8 Dec. 1975'  | 1975 |
|            | 1p manuscript notes.   |      |
| D.70, D.71 | 'Industrial Health Hazards', lectures at Imperial College London, December 1975  | 1975 |
|            | The lectures were part of a course at Imperial College, 15-17 December 1975. Warner was one of a number of lecturers. He appears to have given two lectures with the titles 'Dispersion of effluents': 'I - Gases', 'II - Solids and Liquids'. |      |
| D.70       | 'Lecture 2 [sic]: Gases'   |      |
|            | 1p manuscript notes.   |      |
| D.71       | '3rd [sic] Lecture: Solids & liquids'  |      |
|            | 2pp manuscript notes; manuscript list of slides for the two lectures on 'Industrial Health Hazards'; printed programme.  |      |
| D.72       | 'Preparing for careers in engineering'   | 1975 |
|            | 4pp manuscript draft so inscribed.   |      |
|            | Also inscribed '1975' on first page.   |      |
| D.73-D.75  | 'Environmental Engineering', FEANI Seminar, Stockholm, Sweden, 1-3 March 1976.   | 1976 |
| D.73       | Letter of invitation and reply; typescript summary of Warner's lecture.  |      |
| D.74       | 28pp typescript draft with manuscript revisions; manuscript list of slides.  |      |

Lectures and broadcasts, D.1-D.203

- D.75 Further typescript draft with manuscript revisions; revised version.
- D.76 'Splendours and Miseries of Chemical Engineers', Institution of Chemical Engineers, St Alban's Icknield Section, 18 March 1976 1976  
2pp manuscript draft, with list of slides.
- D.77-D.79 'Engineering Safety and the Environment', Lubbock Memorial Lecture, Oxford, 6 May 1976 1976-1977
- D.77 Correspondence *re* arrangements and publication of the lecture. 1976
- D.78 18pp typescript; reprint. 1976
- D.79 Later correspondence, found with the material in D.77 and D.78, chiefly *re* the Earth Enterprise Project. 1977
- D.80 'Engineering progress & environmental control', Melbourne University, Australia, 25 October 1976 1976  
2pp manuscript notes.  
See also F.82.
- D.81 'Environmental pollution - general', University College London, 29 November 1976' 1976  
The lecture was part of an 'Environmental Evaluation' course in the School of Environmental Studies.  
1p manuscript notes for the lecture; letter *re* arrangements and course programme.
- D.82-D.84 'Sources and Extent of Pollution', contribution to Royal Society discussion meeting on 'Long term hazards to man from man-made chemicals in the environment', 13-14 1977-1979

Lectures and broadcasts, D.1-D.203

December 1977

Published in *Proc. Roy. Soc. Lond. B* vol 205 (1979).

D.82	1p manuscript notes and 9pp manuscript draft of the paper; typescript draft with manuscript revisions; revised typescript version and summary; offprint.	1977, 1979
D.83	List of slides and figures for slides; manuscript (in others' hands) and typescript background material	1977
D.84	Correspondence arising; programme	1977-1978
D.85-D.89	'Pollution Control', Royal Institution, London, 10 February 1978  Warner's lecture was accompanied by a Demonstration.	1977-1978
D.85	Correspondence <i>re</i> arrangements, with draft and copy of lecture synopsis; programme.	
D.86	38pp typescript 'outline draft' with references.	
D.87	Typescript draft headed 'Final version' with manuscript revisions; further typescript version	
D.88, D.89	Papers relating to the demonstration; lists of slides etc; background material prepared by others  2 folders.	
D.90, D.91	'Is an Energy Policy Possible', talks to the Council for the Preservation of Rural Wales, Aberystwyth, 7, 8 April 1978	1977-1978
D.90	Correspondence <i>re</i> arrangements and arising.	

Lectures and broadcasts, D.1-D.203

- D.91 3pp typescript draft, entitled as above, with manuscript revisions; typescript revised version.
- D.92, D.93 'Society's Response to Windscale', Hartley Lecture, Royal Society, 5 December 1978 1978
- D.92 Two 35pp typescript drafts with manuscript revisions.
- D.93 Figures and lists of slides; programme.
- D.94 'Nuclear Power and Wales: Setting the Scene. December 8th 1978' 1978  
5pp typescript draft, with manuscript corrections.
- D.95 'Imperial College 3/5/79. Lecture - Wales Nuclear [?Forum] 26/1/79'. 1979  
1p manuscript note *re* slides so entitled.
- D.96 'Water Pollution'. 'Mexico. March 1979' 1979  
9pp typescript draft, with manuscript revisions; two further typescript drafts interleaved, with manuscript revisions.  
See also F.93-F.100.
- D.97 'The Thames', Imperial College London, 30 April 1979 1979, 1981  
1p manuscript list of slides; brief correspondence etc (1981) *re* Warner's use of the slides.
- D.98 Manuscript and typescript lists of slides, dated April 1979, and inscribed 'Imperial College lectures' on first page 1979

Lectures and broadcasts, D.1-D.203

- |             |  |           |
|-------------|--|-----------|
| D.99, D.100 | 'Risk Analysis and Fertiliser Plant', Fertiliser Society of London, 18 October 1979  | 1979      |
| D.99        | 12pp typescript draft with manuscript revisions; reprint of paper and discussion of paper  |           |
| D.100       | Manuscript list of slides; memoranda etc to Warner <i>re</i> matters connected with his paper  |           |
| D.101-D.103 | 'Nuclear Power - Panacea or Peril', Marchon Lecture, University of Newcastle upon Tyne, 30 October 1979  | 1978-1980 |
|             | The Marchon Visiting Lectureships were supported by Marchon Products Ltd, Whitehaven, Cumbria. Warner's stay, as a guest of the University's Department of Chemical Engineering, was from 29 October to 2 November. He gave additional lectures to sixth form students at Whitehaven on 31 October (see D.104) and to chemical engineering students at the University on 2 November. A visit to the British Gas Corporation, Killingworth, was also included in the programme. |           |
| D.101       | Correspondence <i>re</i> arrangements and arising.   |           |
| D.102       | 13pp manuscript draft, with list of possible titles for the Marchon Lecture.   |           |
| D.103       | Typescript draft with manuscript revisions; list of slides; manuscript and typescript lists of slides entitled 'Can we control pollution? Whitehaven 31 Oct. 1979', with further lists of slides probably relating to this lecture.  |           |
| D.104       | 'The Foundations of Risk Assessment', Symposium on the Acceptability of Risk, University of Manchester Institute of Science and Technology/University of Manchester Pollution Research Unit, 17, 18 December 1979  | 1979      |
|             | 13pp typescript.   |           |



**Lectures and broadcasts, D.1-D.203**

- D.105                    'Major Hazards in Reality - Is Current Practice Sufficient?'                    1980  
  
18pp typescript, with brief manuscript annotations, dated '15.1.80' on final page.
- D.106                    'Nuclear Power - Peril or Panacea', University of Sydney,                    1980  
Australia, 12 March 1980  
  
Warner was Visiting Professor at the Department of Chemical Engineering. See F.108-F.110.  
  
11pp manuscript draft; offprint.
- D.106A                    'Energy - Possibilities and Perils', Fuel Luncheon Club, 15                    1980  
April 1980  
  
7pp manuscript draft; typescript revised version; letter arising.
- D.107                    Seminar at University of Cambridge Department of                    1980  
Chemical Engineering, 14 May 1980  
  
Brief correspondence *re* arrangements and arising; 1p manuscript list of slides headed 'The Politics of Nuclear Power'.  
  
In the correspondence the provisional title of the lecture is given as 'Political Aspects of Nuclear Power'.
- D.108                    'Chemical Industry and the Environment'                    1981  
  
8pp typescript of a lecture, dated '27.3.81' on last page.
- D.109                    Manuscript outline notes for lectures, April, found together                    1981  
  
'The Ethics of Nuclear Power', Colchester Clerical Society, 6 April, 1p.  
  
'The Risks of Life', Halstead Rotary Club, 30 April, 3pp.
- D.109A                    'The Engineer in Society', Institution of Electrical                    1982  
Engineers Chelmsford Division and Management and Design Division, Chelmsford, 10 February 1982

Lectures and broadcasts, D.1-D.203

Correspondence *re* arrangements (1981-1982); typescript synopsis of lecture; 1p manuscript notes and list of slides.

D.109B 'The Engineer in Society Undergoing Rapid Technological Change', Copenhagen, Denmark, 27 May 1983 1983

1p manuscript notes and 8pp manuscript draft; list of slides.

D.109C 'Lecture Summer 1983. Ethanol - methanol. University of Surrey. SGOMSEC Dinner' 1983

2pp manuscript notes.

D.110 'Living with risk', Thirty-fifth W.M. Thornton Memorial Lecture, Institution of Mining Electrical and Mining Mechanical Engineers, 2 September 1983 1983

2pp manuscript notes and 12pp manuscript draft; typescript revised version; pre-print.

D.111 'Reviving Profitability', British Standards Society Annual Standards Conference, Manchester, November 1983 1983-1984

Typescript notes or early draft, with manuscript annotations; 16pp typescript of lecture; programme; published conference proceedings with brief related correspondence (1984).

This was the keynote address.

D.112 Seminar on 'The Future of Nuclear Energy', Parliamentary and Scientific Committee, House of Commons, 23 November 1983 1983

Correspondence chiefly *re* arrangements and preparation of the lecture; typescript draft with manuscript revisions and additions; 6pp revised typescript draft with manuscript revisions.

See also F.137-F.139.

Lectures and broadcasts, D.1-D.203

- |             |  |         |
|-------------|--|---------|
| D.113       | 'Managing Technology Transfer'   | ca 1983 |
|             | 5pp typescript of a lecture (with abstract), with an inscription in Warner's hand: 'This is around 1983 but I do not know where it was given'.   |         |
| D.114       | Lecture given to the Indian National Science Academy, Delhi, India, 9 February 1984  | 1984    |
|             | Correspondence with Thames Water chiefly <i>re</i> information to be used for the lecture (1983), with one letter (1979) apparently unrelated; list of slides headed 'Clean-up of the Thames' [?lecture title], see D.131. |         |
| D.115       | 'Standards and International Competitiveness', Opening Address to meeting of the Institution of Electrical Engineers, 21 February 1984   | 1984    |
|             | Brief correspondence etc <i>re</i> arrangements for the meeting and <i>re</i> issues to be covered; 11pp typescript of the address.  |         |
| D.116-D.119 | 'Risk and the Energy Industry', Wolfson College Oxford, 28 February 1984   | 1984    |
|             | Warner's lecture was one of a series of eight Wolfson Lectures given by various scientists in 1984.  |         |
| D.116       | Correspondence etc <i>re</i> arrangements and preparation of the lecture and correspondence <i>re</i> publication (the Wolfson Lectures were published in book form).  |         |
| D.117       | 7pp manuscript notes and typescript revised version.   |         |
| D.118       | 18pp typescript transcript of Warner's lecture; manuscript draft of published version.   |         |
| D.119       | Two typescript drafts of published version with manuscript revisions; 7pp typescript of another version of the lecture inscribed 'cancelled copy'; background material   |         |

Lectures and broadcasts, D.1-D.203

- |       |   |      |
|-------|---|------|
| D.120 | <p>'Energy and the Environment. St [?] Deanery', 3 May 1984</p> <p>2pp manuscript notes.</p>  | 1984 |
| D.121 | <p>'The Environment for Engineers'</p> <p>12pp typescript, with figures.</p> <p>Inscribed 'May 1984' on first page. Included is the first page of an identical draft which has the inscription '2nd draft - sent to Aston'.</p>   | 1984 |
| D.122 | <p>Introductory lecture, symposium on 'The Chemical Industry and the Health of the Community' organized by the Royal Society of Medicine and the Royal Society of Medicine Foundation, London, 11-13 June 1984</p> <p>14pp manuscript draft with typescript insert; programme; brief correspondence <i>re</i> publication.</p> <p>See D.126 for typescript draft.</p> | 1984 |
| D.123 | <p>After dinner speech, Institution of Gas Engineers: Salford course on Quality and Standards in the Public and Private Sectors, September 1984</p> <p>Letter with background material; 5pp typescript notes; programme.</p>  | 1984 |
| D.124 | <p>Seminar on British Standards in the construction industry to MSc students at University College London School of Architecture</p> <p>2pp manuscript notes; letter to Warner from the British Standards Institution (1984) with background information.</p>   | 1984 |
| D.125 | <p>Speech at Bancrofts School, 14 March 1985</p> <p>2pp manuscript notes and lists of slides.</p> <p>On one page are the headings 'Disasters' and 'British case study - Flixborough'.</p>   | 1985 |

Lectures and broadcasts, D.1-D.203

- D.126 'Hazard, Risk Assessment and Acceptance', 28 March 1985 1985
- Contents of a file inscribed 'Melbourne Occupational Lecture'.
- 1p manuscript notes; 2pp expanded typescript notes; 15pp typescript of Warner's lecture 'The Chemical Industry and the Health of the Community' (see D.122) with manuscript revisions and annotations (this typescript appears to have been used in the preparation of the lecture).
- See also F.141.
- D.127 'The Engineer in Court and International Arbitration', Fellowship of Engineering 1985 Christopher Hinton Lecture, London, 15 October 1985 1985
- 17pp typescript and offprint; letters arising.
- D.128 'Chemical industry and risk', University of Essex Chemical Society, 31 October 1985 1985
- 2pp manuscript notes.
- D.129 'Scientific Approach to Risk Assessment, Risk Perception and Risk Management', lecture to Unilever Symposium on 'Future Directives in Product Assurance' c.1985
- Letter *re* arrangements; typescript summary of lecture; 15pp typescript, with references, entitled as above.
- D.130 'Trends in Education', 'Madwai Rotary Club', 18 January 1986. 1986
- 1p manuscript draft.
- D.131 'Cleaning the Thames'
- 8pp typescript draft so entitled, with figures; typescript of version in German; letter arising (20 February 1986).
- See D.114 for related material.

**Lectures and broadcasts, D.1-D.203**

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|--------------|---|------|
| D.132        | Lecture on the environmental consequences of a nuclear war (the ENUWAR project), Essex University, 20 March 1986<br><br>1p list of slides; photocopied newspaper cuttings.  | 1986 |
| D.133        | Talk at University of Manchester Institute of Science and Technology, 21 May 1986<br><br>Letter <i>re</i> arrangements.   | 1986 |
| D.134        | Speech at Bancrofts School Visitation day, 4 July 1986<br><br>3pp manuscript draft.   | 1986 |
| D.135        | 'Chernobyl - Ethical and Environmental Considerations', Institution of Electrical Engineers Management and Design Division, Farnborough, 12 May 1987<br><br>Manuscript draft; corrected typescript version with manuscript revisions; corrected proof for publication in 'IEE Proceedings'; letter arising. | 1987 |
| D.136, D.137 | 'Public and Professional Attitudes to Risk', Alfred Watson Memorial Lecture, Institute of Actuaries, London, 26 October 1987  | 1987 |
| D.136        | Letter with note (by Warner) on Warner's career; 7pp typescript draft of published lecture, with manuscript revisions, and figures  |      |
| D.137        | Letter arising; offprint of lecture.  |      |
| D.138        | Lecture given at Geneva, Switzerland, 1987<br><br>The topic appears to have been pollution.<br><br>Transparencies with inscribed envelope in which they were found.<br><br>May be related to visit documented at F.158-F.160.   | 1987 |

Lectures and broadcasts, D.1-D.203

- |       |  |      |
|-------|--|------|
| D.139 | 'Original figures for RMH India slides. Feb. 1988'.<br><br>Contents of an envelope so inscribed.   | 1988 |
| D.140 | '25/05/88...Budapest RMH slides'<br><br>Figures etc found clipped with a piece of paper so inscribed.  | 1988 |
| D.141 | 'Risk and Compensation', 5 July 1988<br><br>1p typescript summary of lecture.  | 1988 |
| D.142 | 'The Environmental Consequences of Nuclear War',<br>University of Warwick Chemistry Society, 27 October 1988<br><br>Letter <i>re</i> arrangements.   | 1988 |
| D.143 | 'Environment and Nuclear War Lecture', Sao Paulo,<br>Brazil, December 1988<br><br>Figures and lists of slides.<br><br>See also F.170.  | 1988 |
| D.144 | 'Risk and Religion', Windermere Centre, Cumbria, 14<br>March 1989<br><br>2pp typescript.   | 1989 |
| D.145 | 'Sellafield Interface March '89'<br><br>2pp manuscript notes and figures, found with a piece of<br>paper with the above inscription.   | 1989 |
| D.146 | Keynote speech at First British Quality Association<br>Regional Briefing on Total Quality Management, Danbury<br>Park Management Centre, 29 June 1989<br><br>9pp typescript transcript of the speech; 3pp typescript | 1989 |

**Lectures and broadcasts, D.1-D.203**

entitled 'The Chain of Quality' found with the transcript.

- D.147 'Mistley Lecture 4/10/89' 1989  
Figures so entitled.
- D.148 'Chernobyl material. India Dec. '89' 1989  
Contents of a file so inscribed: figures and lists of transparencies.  
See also F.178-F.184.
- D.148A 'Disasters', Oil Industry Club, London, 6 March 1990 1989-1990  
Correspondence *re* arrangements.
- D.149 'Risk in the Environment', Joint Meeting of the Committee on the Public Understanding of Science and the Civil Service College, London, 9 April 1990 1990  
Correspondence and papers *re* arrangements; 5pp manuscript draft.
- D.150 'The Word and the Natural World', Dedham Lecture, St Mary's Church, Dedham, Essex, 16 October 1990 1990  
Brief correspondence *re* matters connected with the lecture; 8pp manuscript draft; 4pp typescript draft, with manuscript revisions, and figures.
- D.151 'My Debt to H.L. Roy', National Seminar on Safety and Environmental Protection in Chemical and Allied Industries, 2 November 1990 1990  
Manuscript draft; typescript draft with manuscript revisions; revised typescript.
- D.152 'Control of Response to Disaster', 'Opening Address', 5 March 1991 1991  
/...



**Lectures and broadcasts, D.1-D.203**

- /... Manuscript draft; 3pp typescript revised version.
- D.153 'What is risk and how can we measure it?', Committee on Public Understanding of Science, 22 September 1992 1992  
  
Lecture to Women in Science and Engineering (WISE), 22 September 1992  
  
Manuscript and typescript sets of lecture notes found together.
- D.154 Presentation to Foundation for Science and Technology, 15 October 1992 1992  
  
1p list of slides.
- D.155 'Risk' ca 1992  
  
8pp manuscript draft; typescript draft with manuscript corrections.
- D.156 Address to East Anglia Region of the National Farmers Union, 1 February 1993 1992-1993  
  
Correspondence etc *re* arrangements and issues concerning agriculture.  
  
Contents of a file inscribed 'Nitrates and NFU'.
- D.157, D.158 'Quality and Risk', 15th John Loxham Lecture, Institute of Quality Assurance, London, 3 March 1993 1993, 1996
- D.157 35pp typescript draft [?of published version of lecture] with manuscript revisions; figures etc. 1993
- D.158 Offprint; memorandum *re* the text. 1993, 1996
- D.158A 'Linking Nuclear Winters: Chernobyl-Kuwait Oil Fires', Royal Society of Chemistry Essex Section, Essex 1993

Lectures and broadcasts, D.1-D.203

University, 4 March 1993

Poster; manuscript notes

D.159 'Quality, Risk and Safety', Institution of Mechanical Engineers, London, October 1993 1993

6pp typescript [?of published lecture] with references, tables etc.

D.160 Keynote Lecture on 'Sustainable Development', World Federation of Engineering Organisations, Havana, Cuba, 18 October 1993 1993

4pp typescript; offprint; 1p manuscript background notes.

See also F.245.

D.161 'Biogeochemical Pathways in the Environment', Royal School of Mines, Imperial College, 30 March 1994

1p manuscript notes.

D.162 Talk to Loughborough University of Technology Chemical Engineering Department, 6 May 1994 1994

The provisional title of the talk was 'Allocation of resources in the context of risk assessment'.

Letter *re* arrangements.

D.163 'The value of life', High Leighs, Hoddesdon, Hertfordshire, 9-10 September 1996 1996

2pp typescript draft with manuscript revisions; typescript revised version.

D.164 'Environmental Risk Assessment', Imperial College London, 26 February 1997 1997

Manuscript notes; typescript draft with manuscript corrections.

**Lectures and broadcasts, D.1-D.203**

- D.165-D.178            Undated lecture drafts
- D.165                    'The Engineer's Role in Occupational Safety'  
Two different 2pp typescript drafts.
- D.166                    'Controlling Pollution'.  
5pp typescript.
- D.167                    'The Engineer and Society'  
8pp typescript with manuscript corrections.
- D.168                    'The Hague'  
4pp manuscript notes.
- D.169                    'Creativity and Learning to Think', with E. de Bono  
17pp typescript.
- D.170                    'Chemical Engineering since Swindin'  
2pp manuscript notes; lists of slides; manuscript notes (in  
another's hand) headed 'Black Box Project'.
- D.171                    'Environmental Pollution'  
4pp typescript.
- D.172                    'The Life of a Chartered Engineer'  
3pp typescript draft with manuscript revisions.
- D.173                    'Guinness Lecture'  
1p manuscript notes in another's hand.

**Lectures and broadcasts, D.1-D.203**

D.174	'UC Lecture. 1st lecture Air Pollution'  '2nd lecture. Water Pollution'.  Two separate pages of manuscript notes respectively entitled.	
D.175	'Standards in Safety'  1p manuscript notes.	
D.176	'Pollution - The Risk in Perspective'  Typescript draft with manuscript revisions; 14pp revised typescript.	
D.177	'New Ways for Engineers'.  1p typescript summary of lecture.	
D.178	Untitled 6pp typescript of a lecture on pollution by detergents.	
D.179-D.184	Miscellaneous material used for unidentified lectures	N.d.
D.179	Miscellaneous manuscript notes, some in Warner's hand.	
D.180-D.184	Miscellaneous figures, tables etc for slides.  5 folders.	
D.185	Correspondence <i>re</i> invitations to lecture	1973-1984
D.186	Typescripts of lectures by Warner's (Cremer and Warner) colleagues	1971, 1981

Lectures and broadcasts, D.1-D.203

D.186A-D.199                      BROADCASTS                      1953-1989

Arranged in chronological order. The dates given are those of the first broadcast, unless otherwise stated.

- |        |   |      |
|--------|---|------|
| D.186A | 'Biochemical Engineering or Making Germs Work', 6pp typescript of a BBC radio talk<br><br>Inscribed '15/1/53' on title page.  | 1953 |
| D.187  | 'Britain at Work', BBC Radio North of England Home Service, 19 January 1965<br><br>Brief correspondence arising; contract.  | 1965 |
| D.188  | Contribution to a BBC Radio Home Service programme on the status of engineers, January [on or before the 20th] 1965<br><br>Brief correspondence arising.                  | 1965 |
| D.189  | Television interview for 'South Today' (BBC), 25 February 1965<br><br>Contract with brief related correspondence.   | 1965 |
| D.190  | 'The Engineer in Society', BBC [radio] interview, recorded 14 October 1966<br><br>Brief correspondence <i>re</i> arrangements and 2pp typescript notes for the programme. | 1966 |
| D.191  | Interview for radio programme 'Horizons' on 'Mechanical Engineering', BBC Third Network, 28 October 1966<br><br>Contract; letter arising.                                 | 1966 |
| D.192  | Interview for radio programme 'Tomorrow's Engineers', recorded 4 December 1968  | 1968 |

Lectures and broadcasts, D.1-D.203

Warner was one of a number of engineers and technologists who participated in the programme.

Correspondence *re* arrangements and arising, with transcript of programme script.

D.192A                    'Public Health Engineering', BBC radio talk for The Open University, recorded 15 July 1974                    1974

The programme was part of a course entitled 'Environmental Control and Public Health'.

Correspondence *re* arrangements; 8pp manuscript draft with the above title; typescript revised version.

D.193                    'Nation to Nation', BBC radio programme, recorded 2 February 1977                    1977

Warner was one of a number of contributors to the programme which discussed cases of chemical pollution around the world.

Letter *re* arrangements; 3pp manuscript notes by Warner; typescript presenter's script including questions to be put to the scientific contributors.

D.194                    Unidentified BBC broadcast, apparently about the chemical industry, possibly recorded on 20 January 1982                    1982

Letter *re* arrangements; typescript notes on the history of the chemical industry with manuscript annotations by Warner.

D.195                    'BBC Essex interview'                    1987

Typescript script of the radio interview, the topic of which was environmental problems including consequences of a nuclear war.

Inscribed 23/6/87 on first page.

D.196                    'Interview with Sir Frederick Warner'                    1990

Copy of a transcript.

/...

**Lectures and broadcasts, D.1-D.203**

- /...
- The interview was conducted during a visit to India and was on hazards in the chemical industry. The inscription 'Jan. '90' is on the first page.
- D.197 'Biological Experiments at Chernobyl', BBC World Service: 'Science in Action' N.d.  
2pp typescript transcript containing Warner's contribution.
- D.198 Typescript transcript of an unidentified interview, possibly for an Open University course. N.d.  
The topic of the interview is environmental pollution.
- D.199 Correspondence between Warner and the BBC *re* his comments on two radio documentaries about nuclear winter (broadcast in November 1988). 1989  
One programme transcript is included.
- D.200-D.203      LISTS OF LECTURES      ca 1984-1993**
- D.200 'Lectures in storage cases...' ca 1984  
In alphabetical order by theme.
- D.201 'Sir Frederick Warner's lecture lists' ca 1990  
In alphabetical order by title.
- D.202 'Lectures and other literature by Sir Frederick Warner listed in date order' 1991
- D.203 'Lectures and other literature listed in alphabetical order' ca 1993

**SECTION E                      DRAFTS AND PUBLICATIONS, E.1-E.118                      1944-1996**

E.1-E.107                      DRAFTS

E.108-E.115                      EDITORIAL CORRESPONDENCE

E.116-E.118                      OFFPRINTS

**E.1-E.107                      DRAFTS                      1944-1996, n.d.**

Arranged chronologically.

E.1                      Transcript of remarks made by Warner at Chemical Engineering Group meeting, May 1944                      1944

1p typescript, preparatory to publication.

2pp typescript notes of Warner's remarks at unidentified meeting found therewith.

E.2                      Book reviews of:                      1946

*Penicillin. Its Properties, Uses and Preparations*, London 1946.

1p typescript.

*Miracle Drug. The Inner History of Penicillin*, by David Masters, London 1946.

5pp manuscript draft; typescript revised version; offprint.

E.3-E.6                      'Nitric Acid Production'                      1945-1946

Paper on nitric acid production and concentration for the Institution of Chemical Engineers.

E.3                      Correspondence etc with the Institution of Chemical Engineers *re* preparation and publication of the paper                      1945-1946





Drafts and publications, E.1-E.118

- E.11 Book reviews of: 1952  
*Heat Transfer Phenomena*, by R.C.L. Bosworth, Pergamon Press 1952.  
1p typescript.  
*Fluorine* by R.N. Haszeldine and A.G. Sharpe, Methuen, ca 1952  
1p typescript.
- E.12 'The Chemical Revolution', *Discovery*, 1952 1952  
12pp typescript; offprint.
- E.13 'Natural Circulation in External Evaporators', with K.A.R. Julian, *Transactions of the Institution of Chemical Engineers*, vol. 31 (1953), 229-233 1953  
4pp typescript with tables and figures.
- E.14 'The British Imagination', Letter to *Chemistry and Industry*, 1960 1959-1960  
4pp typescript, 'received 10 Nov 1960'; letter from *Chemistry and Industry* (1959).
- E.15 Letter to *Chemistry and Industry* on underground gasification of coal, 4 March 1961 1961  
2pp typescript and manuscript draft.
- E.16 'The Search for Justine' ?1961  
3pp manuscript draft describing scenes during a visit to Egypt.  
Inscribed '?1961' on first page.
- E.17 Book review of: *Piping Design for Process Plants*, by H.F. Rase, London 1964 ca 1964  
/...

**Drafts and publications, E.1-E.118**

- /... Brief correspondence and 1p typescript of the review.
- E.18 'Viewpoint', *Chemical and Process Engineering*, March 1964. 1964  
3pp typescript.
- E.19 'Interim Statement on the CEI Examination'. 1966  
6pp typescript draft, with manuscript revisions.  
Dated '4.2.66' on last page.
- E.20 'The Financial Scene', *Financial Times*, 13 June 1966 1966  
This was for an inset containing various articles on chemical and petroleum engineering.  
Brief correspondence with synopsis of the publication; 9pp manuscript draft of Warner's article; typescript revised version with figures.
- E.21 'Chemical Plant', *Financial Times Annual Review*, June 1966 1966  
Correspondence *re* publication and arising; 9pp typescript with figures.
- E.22 Article published in *The Times* 'Review of Industry & Technology', September 1966 1966  
The title of the article is unknown. Its topic is the educational role of the Council of Engineering Institutions.  
Correspondence *re* publication; 4pp manuscript draft.
- E.23 'Education in Science and Technology', *The Political Quarterly*, January-March 1967 1966-1967  
Correspondence *re* publication and arising; offprint.

**Drafts and publications, E.1-E.118**

- E.24 Article on chemical engineering in *A Career in Engineering after the Sixth Form*, London 1967 1966  
Correspondence *re* publication; 5pp typescript of article.
- E.25 'Plugging the brain-drain must help engineers', *The Sunday Times*, 29 October 1967  
5pp typescript draft of the article entitled 'Engineers' Prospects'; letter *re* publication; cutting of published version.
- E.26 Book review of: *Strategy of Process Engineering*, by D.F. Rudd and C.C. Watson, London 1968 1968-1969  
2pp typescript, with letter.
- E.26A 'Changing Society and the Responsibility of Engineers', *Engineering Education*, vol. 60, 1969 1969  
Letter *re* publication; offprint.
- E.27 'European Contractors' 1969  
4pp typescript with covering letter (name of the publication not indicated).
- E.28 'Engineers and International Cooperation'. 1970  
16pp typescript draft, with manuscript revisions, inscribed 'copy sent 11/6/70 to Maurice Goldsmith'; revised typescript version.
- E.29 'Safety and Natural Gas', 1970  
11pp typescript. Inscribed 'June 1970' on first page.
- E.30 'Pollution of the Vegetation in the Region of the Proposed Aluminium Plant in Jamaica' 1970  
6pp typescript inscribed '1970' on first page.

Drafts and publications, E.1-E.118

- E.31                      Review of: *Eutrophication in Large Lakes and Impoundments*, a report by C.P. Milway, 1970                      1970
- Brief correspondence with 2pp typescript of the review.
- E.32, E.33                'Production Technology', chapter for *Technology Today*, edited by E. de Bono, London 1971                      1969-1971
- Correspondence *re* publication, with 31pp typescript of the chapter at E.32 and corrected proof at E.33.
- 2 folders.
- E.34                      'Problems of River Pollution Control'    1972
- 14pp typescript, inscribed 'May 1972' on first page.
- E.35                      'Parliamentary and Scientific Committee. Water Pollution and the Third Report of the Royal Commission'                      ca 1972
- 5pp typescript.
- E.36                      Foreword to *Beating Pollution: chemical engineering*, by T. R. Bott, in the 'My Life and My Work' series, Educational Explorers 1973                      1972-1973
- Correspondence *re* publication, with 2pp typescript of the foreword.
- E.37                      Preface to 'Index of Engineering Sciences Data', Engineering Sciences Data Unit (Royal Aeronautical Society), 1973                      1970-1973
- Correspondence (1972-1973) *re* publication, with 1p typescript of the preface; brief earlier correspondence *re* invitation to a reception (1970).
- E.38                      Review of 'Mathematical and Hydraulic Modelling of Estuarine Pollution', Department of the Environment Water Pollution Research Technical Paper No. 13, HMSO 1973                      1973
- Letter with 1p typescript of review.

**Drafts and publications, E.1-E.118**

- |      |  |                  |
|------|--|------------------|
| E.39 | <p>19pp typescript draft headed 'Pollution' (in manuscript).</p> <p>A manuscript note 'written around 1973' is inscribed on the first page.</p> <p>The typescript has extensive manuscript revisions and inserts.</p>  | ca 1973          |
| E.40 | <p>Untitled 14pp typescript on the topic of EEC enlargement and its implications for engineers and other professionals</p> <p>Inscribed with the note 'This must have been written around 1973 but for what is unknown' on first page.</p> <p>Also includes 'The definition of a professional engineer', 4pp duplicated typescript and copy of response from Sir Harold Hartley, 1970.</p> | 1973             |
| E.41 | <p>'Chemical Engineering Aspects of the Flixborough Disaster'</p> <p>14pp typescript, inscribed '1975' on first page; offprint.</p>  | 1975             |
| E.42 | <p>'Open University Technology'</p> <p>5pp manuscript draft.</p>   | 1977 or 1978     |
| E.43 | <p>'The Public Perception of Risk'</p> <p>9pp typescript draft with manuscript revisions, inscribed 'March 1979' on first page.</p>  | 1979             |
| E.44 | <p>'Eurochem. Current Constraints'</p> <p>9pp typescript dated '12.5.1980' on last page.</p>   | 1980             |
| E.45 | <p>'Hearing Voices: the public planning process after Windscale', book review of: <i>The Nuclear Controversy: A Guide to the Issues of the Windscale Inquiry</i>, by M. Stott and P. Taylor, London 1980 and <i>Decision Making for Energy Futures</i>, by D. Pearce, London and Basingstoke 1979, <i>Nature</i> vol. 285, 26 June 1980</p>  | 1980<br><br>/... |

**Drafts and publications, E.1-E.118**

- /... Copy of 5pp typescript of the article with letter; proof; offprint.
- E.46 'Risk and response', in *Uranium and Nuclear Energy*, Uranium Institute (1980), 228-234 1980  
7pp typescript draft, with manuscript revisions.  
The date '9/8/80' is inscribed on the first page.
- E.47 'Flixborough - a Watershed', *The Chemical Engineer*, June 1984 1984  
Warner's article introduced a special section on the Flixborough disaster to mark its 10th anniversary.  
Brief correspondence with 1p typescript entitled as above.
- E.48 'On the Art of Risk Management - Environmental Pollution' 1986  
14pp typescript, dated 'June 1986' on final page.
- E.49 'Environmental Consequences of Nuclear War' ?1986  
13pp typescript.
- E.50 Book review of: *A World Beyond Healing*, by Nicholas Wade, London 1987 1987  
2pp typescript.
- E.51 Book review of: *The Risk Assessment of Environmental Hazards: a textbook of case studies*, by D.J. Paustenbach, New York 1989 1989  
2pp typescript of review with letter.
- E.52 'Chemical Engineers - Environmental Leaders', *Environmental Protection Bulletin*, vol 1, May 1989, 5-6 1989  
Corrected proof and offprint.

**Drafts and publications, E.1-E.118**

- |      |  |      |
|------|--|------|
| E.53 | 'Environmental Consequences of Nuclear War', 'Ramsay Society Article', November 1989   | 1989 |
|      | A different article to that of the same title at E.49.   |      |
|      | 5pp typescript draft with manuscript revisions and insert; revised typescript version.   |      |
| E.54 | Warner's Christmas message as President of the British Quality Association, for <i>Quality News</i>  | 1989 |
|      | 1p manuscript draft, inscribed '10/11/89' on first page.   |      |
| E.55 | 'War and Environment', <i>Environmental Protection Bulletin</i> , January 1991   | 1991 |
|      | 1p typescript, with manuscript revisions; related letter; offprint.  |      |
| E.56 | 'Oil Fires and Nuclear Winter', Royal Society Press release 28 January 1991  | 1991 |
|      | 3pp manuscript draft; typescript draft and revised version.  |      |
| E.57 | Foreword to the Institution of Chemical Engineers 'Guide to Application of BS5750 Pt 1 to Process Plants'  | 1991 |
|      | 1p manuscript draft; revised typescript version dated '4/3/91'; letter.  |      |
| E.58 | 'Mind-forged Manacles', book review of: <i>The Genocidal Mentality: Nazi Holocaust and Nuclear Threat</i> , by R.J. Lifton and E. Markusen, New York 1990, <i>Nature</i> vol. 350, 21 March 1991 | 1991 |
|      | 5pp typescript of review; corrected proof; brief correspondence; offprint.   |      |
| E.59 | 'Kuwait's oil fires', <i>Science and Public Affairs</i> vol. 6, no 2 (1991)  | 1991 |
|      | 8pp typescript draft, with manuscript revisions, dated '21   |      |



Drafts and publications, E.1-E.118

March 1991'; corrected proof; brief correspondence.

- E.60 'Kuwait Oil Releases - Nuclear Winter or What?', *Environment*, 1991  
Typescript draft with manuscript revisions; 6pp typescript revised version dated 'April 1991'; related correspondence and papers.
- E.61 'Environment: The Catalytic Role of Scope', with G.F. White, in *Science International. ICSU: The First Sixty Years*, 1991  
Brief correspondence *re* publication and 3pp typescript draft.
- E.62-E.72 Contents of a file inscribed 'La Recherche'.  
Article for *La Recherche*. There were at least two changes to the title and the eventual title is unclear.
- E.62-E.65 'Present status of research on Chernobyl'.
- E.62 Three typescript drafts so entitled, with manuscript revisions, dated '31.01.91', '9.2.91' and '21.02.91' respectively; incomplete manuscript draft; pages of manuscript notes
- E.63 Typescript draft so entitled, with manuscript revisions, dated 2/02/91'  
Included are three manuscript draft pages with a letter (April 1991).
- E.64 36pp typescript draft so entitled, with extensive manuscript revisions, dated September-October 1991  
Included are manuscript draft pages (in an unidentified hand) found with the typescript.
- E.65 Part of another early typescript draft

**Drafts and publications, E.1-E.118**

- E.66 'The Environment after Chernobyl'  
5pp manuscript draft so entitled; typescript draft so entitled, with manuscript revisions.  
Dated '30/9/91' and '10/10/91' respectively.
- E.67-E.69 Aspects of the 'Post-Chernobyl Environmental Situation'
- E.67 Typescript draft so entitled, with manuscript revisions, dated '10 Oct.1991'.
- E.68 54pp typescript draft so entitled, with manuscript revisions, dated '17/10/91'.
- E.69 Typescript so entitled, with figures etc.  
Inscribed 'version sent'.
- E.70 Corrected proofs of French version entitled 'Tchernobyl [sic]: L'Etat des Lieux Six Ans Apres...'
- E.71 Correspondence *re* preparation and publication. 1990-1992
- E.72 Manuscript notes; miscellaneous papers.
- E.73 Introduction to *Quality 2000: Management for Success*, edited by Warner, Bristol 1992 1992  
4pp typescript; corrected proof with manuscript inserts; correspondence *re* publication.
- E.74 'Risk', 3pp typescript so entitled 1992  
Inscribed 'October '92' on first page.

**Drafts and publications, E.1-E.118**

- E.75                      Drafts arising from 'Risk: Analysis, perception and management', report of a Royal Society Study Group, London 1992. 1992-1993
- 2pp typescript; correspondence arising; manuscript draft entitled 'Royal Society Report on Risk' with typescript revised version; typescript entitled 'Risk and how we face it', also relating to the Royal Society Report.
- See also C.412-C.513.
- E.76                      'What if....? versus If it ain't broke. don't fix it', in *Interpreting the Precautionary Principle*, ed. T. O'Riordan and J. Cameron (1993) 1993
- 2pp typescript draft, inscribed 'March 1993'; revised typescript draft with manuscript revisions, and letter *re* publication; offprint.
- E.77, E.78                'The Post-Chernobyl Environmental Situation', with L.J. Appleby, *Environmental Management and Health*, vol. 7 (1996) 1989-1993
- E.77                      33pp typescript draft with manuscript revisions, dated '10/6/93'.
- E.78                      Revised typescript with figures etc; letter (1989).
- E.79                      'Biochemical Pathways in the Environment', with L.J. Appleby. 1993
- 3pp typescript, with a note *re* publication dated August 1993.
- E.80                      Proof of letter to an unknown publication. 1995
- The article concerns radon gas in buildings.
- The proof is dated November 1995.

**Drafts and publications, E.1-E.118**

- |            |  |              |
|------------|--|--------------|
| E.81, E.82 | 'Living with Risk', <i>Science and Public Affairs</i> , 1996<br><br>Correspondence <i>re</i> drafting of the article, with various drafts, mostly typescript, and corrected proof.<br><br>2 folders.   | 1995-1996    |
| E.83, E.84 | 'Chernobyl: Ten Years Later', <i>Environment</i> , vol. 38, April 1996<br><br>Warner's piece was one of a number of contributions by scholars and scientists all under the above title.<br><br>Correspondence <i>re</i> publication with manuscript and typescript drafts of Warner's contribution and offprint.<br><br>2 folders. | 1996         |
| E.85       | Review of the <i>Journal of Risk Research</i><br><br>Brief correspondence (1997); 3pp manuscript draft entitled 'Commentary'; typescript revised version.  | 1997         |
| E.86       | Book review of: <i>Major Hazards and Their Management</i> , by G. Wells, Institution of Chemical Engineers   | 1997 or 1998 |
| E.87-E.107 | Undated drafts   |              |
| E.87       | 'Part-time Technical Education'<br><br>4pp typescript.   |              |
| E.88       | 'Keeping Warm and Going'<br><br>4pp typescript.<br><br>The topic of the paper is coal consumption.   |              |
| E.89       | 'Freeth and the Phase Rule'<br><br>4pp typescript so entitled.   |              |

**Drafts and publications, E.1-E.118**

- E.90 'Air Quality Standards', 8pp typescript draft, with figures.
- E.91 'Biochemical Engineering'  
4pp manuscript draft
- E.92 1p manuscript draft of a letter to *The Times* concerning risk assessment
- E.93 'Who Will Pay to Stop Pollution?'  
17pp typescript.
- E.94 'A Risky Life'  
6pp typescript.
- E.95 'Risk Assessment - Prediction & Reality', 22pp typescript so entitled, with figures etc.
- E.96 'Risks Associated with Hazardous Chemicals'  
13pp typescript.
- E.97 'Notes on Protection and Treatment of Supplies'  
7pp typescript.
- E.98 'The Development of Pollution and its Control'  
21pp typescript.
- E.99 'Professor M.B. Donald', 3pp typescript biographical article  
The article was written on the occasion of Donald's retirement from University College London.

**Drafts and publications, E.1-E.118**

- E.100                    'The Release of TCDD at Seveso', with A.J. Howard.  
Photocopy of 8pp typescript.
- E.101                    'Etude d'implantation d'une[word illegible]'  
2pp manuscript draft in French; 3pp manuscript notes.
- E.102                    1p manuscript draft of a letter to 'Chemistry and Industry'  
concerning fermentation technology.
- E.103                    'Linear Model for Dose-effect Relationship'  
1p typescript.
- E.104                    'Standing Technical Committee on Synthetic Detergents'  
6pp typescript
- E.105                    35pp typescript of an article on the Windscale Enquiry  
Untitled with first page missing.
- E.106                    'Standards and Specifications in the Engineering Industry',  
a memorandum published by the National Economic  
Development Council  
21pp typescript.
- E.107                    'C+W General Appendices'  
Contents of folder so inscribed: 14pp typescript (lacks first  
page); typescript appendices I-III; manuscript notes.

Drafts and publications, E.1-E.118

E.108-E.115	EDITORIAL CORRESPONDENCE	1963-1992, n.d.
	Warner's correspondence, chiefly with publishers, <i>re</i> articles etc by him and his refereeing of papers.	
E.108	<i>The Times</i> <i>Re</i> article, letter by Warner.	1963, 1991
E.109	<i>Chemical &amp; Process Engineering</i> <i>Re</i> an article Warner contributed to the journal's 'Viewpoint' series.	1963
E.110, E.111	Educational Explorers Ltd <i>Re</i> Warner's intention to write a book for Educational Explorers' 'My Life and Work' series, which covered various careers for school leavers.  Pressure of other commitments ultimately prevented him from writing the book.  2 folders.	1965-1971
E.112	<i>Chemistry and Industry</i> <i>Re</i> reviews by Warner.	
E.113, E.114	Shorter correspondence <i>re</i> articles etc.  2 folders.	1968-1992
E.115	Refereeing	1964-1992, nd

**Drafts and publications, E.1-E.118**

**E.116-E.118**

**OFFPRINTS**

**1949-1996, nd**

These include typescript drafts of lectures.

3 boxes.

Boxes E.116 and E.117 are a numbered sequence 1-131.

A list of the papers numbered 1-128 is in E.116.



SECTION F	VISITS AND CONFERENCES, F.1-F.286	1962-1997
F.1, F.2	Joint American Institute of Chemical Engineers/Institution of Chemical Engineers Symposium on Chemical Engineering under Extreme Conditions, London, 14-17 June 1965  Warner and J. Szekely gave a paper on underground gasification.  See also D.10.	1964-1965
F.1	Arrangements	
F.2	National Coal Board report on Newman Spinney Underground Gasification Site by P.G. Strauss	
F.3-F.8	Meeting for Discussion of a Proposal for the Formation of a World Federation of Engineering Societies, Paris, France, 13-15 April 1966  Warner represented the UK engineering institutions and the Commonwealth Engineering Conference.	1964-1966
F.3-F.6	Correspondence and papers <i>re</i> proposed World Federation of Engineering Societies  Position statements and correspondence (chiefly copies sent to Warner for reference) from engineering bodies in the UK and worldwide.  4 folders.	1964-1966
F.7	Duplicated typescript papers for meeting; Council of Engineering Institutions press-release on the meeting	1966
F.8	Manuscript notes on the meeting  Includes note 'Warner supports flexibility & informality. Some background of Commonwealth cutting across regions'.	1966

**Visits and conferences, F.1-F.286**

F.9-F.15	Conference of Engineering Institutions of the British Commonwealth, London, 9-20 May 1966	1962, 1965, 1966
F.9, F.10	Arrangements  Includes correspondence and papers <i>re</i> international developments (see F.3-F.8 above).  2 folders.	1965-1966
F.11-F.14	Papers for and minutes of the business meeting,  4 folders.	1966
F.15	Papers from the 1962 Conference of Engineering Institutions of the British Commonwealth  Found with the 1966 Conference material and probably used for reference.	1962
F.16-F.23	Conference of Engineering Societies of Western Europe and the United States of America (EUSEC) Fifth Education Conference, Copenhagen, Denmark, 12-15 September 1966  Warner attended as President of the Institution of Chemical Engineers. He participated in Study Group II on Design.	1966
F.16	Arrangements  Includes draft programme and list of participants.	
F.17	'Questionnaire on Management'  With answers to questions on management from engineering bodies represented at the conference.	
F.18-F.21	Reports and working papers for discussion at the conference  4 folders.	

Visits and conferences, F.1-F.286

- F.22 Reports of discussions
- These cover Post-graduate education and training in general, Post-graduate education, Engineering design, and Education for management.
- F.23 Conference Summary Report.
- Found inserted at front of the volume was a photograph of the proceedings.
- F.24-F.26 Council of Engineering Institutions Conference on the Structure of the C.E.I. Examinations, London, 11 July 1967
- Warner chaired the first session and spoke on 'The engineer in society' in the second.
- F.24 Arrangements
- F.25 Programme, list of participants, briefing notes
- F.26 Warner's manuscript notes for his opening remarks and talk, and notes on proceedings
- F.27-F.31 10th Conference of Engineering Societies of Western Europe and the United States of America (EUSEC), 3-7 September; and Meetings of the Fédération Européenne d'Associations Nationales d'Ingénieurs, 5-9 September, Zurich, Switzerland, 1967
- Warner represented the Institution of Chemical Engineers.
- F.27 Arrangements
- Some in French.
- F.28 Programmes



**Visits and conferences, F.1-F.286**

- /... Warner lectured to the Natal branch of the South African Institution of Chemical Engineers on 'Cutting Pollution Down To Size'.
- F.37 'Rhodesia University College' and 'Ministry of Commerce and Industry' 1967-1968
- Material so labelled: correspondence *re* arrangements and arising, information on courses in Chemistry at the University College of Rhodesia.
- Warner arrived in Salisbury from his visit to South Africa. He visited colleagues at the Faculty of Engineering and Department of Chemistry.
- F.38 Conference on the establishment of an International Conference of Engineering Organizations, Paris, France, 4 March 1968 1968
- Miscellaneous papers, including list of participants.
- This meeting continued the ongoing discussions to which Warner had participated at previous conferences (see F.3-F.8 and F.27-F.31) Warner was a UK representative.
- F.39-F.44 General Assembly of the Fédération Européenne d'Associations Nationales d'Ingénieurs (FEANI), London, July 1968 1968
- At the meeting Warner was elected President of FEANI.
- F.39 Arrangements for meeting and other correspondence
- F.40 'Draft on Improved Administration of FEANI' by B. Sjögren
- F.41 Papers of 45th and 46th meetings of the Direction Committee
- F.42 Papers of meeting of the Finance Committee, and papers of the Registration Committee

Visits and conferences, F.1-F.286

- F.43 Papers of General Assembly Ordinary Session
- F.44 Warner's Presidential Address  
2pp duplicated typescript; 3pp duplicated typescript  
French language version; incomplete manuscript draft;  
newspaper cutting reporting Warner's election.
- F.45-F.47 Conference on Proposals for a National Pressure Vessels Authority, Manchester, 26 November 1969 1969  
Warner was a panellist on the discussion (stepping in for J.H.N. Thompson).
- F.45 Arrangements
- F.46 Notice; programme
- F.47 Report of the Committee of Enquiry on Pressure Vessels Vol 1, HMSO 1969
- F.48 Institution of Civil Engineers Education and Training Group Informal Discussion on The Problem of Recruitment to Engineering, 20 November 1970 1970  
Duplicated typescript introductory notes, 'Correction sheet' with manuscript annotation.
- F.49-F.52 British Standards Institute Standards Conference on Britain's Modern Standards. The contribution and the gain, Imperial College London, 15-16 April 1971 1971  
Warner gave the summing up.
- F.49 Arrangements including programme and list of participants
- F.50 Duplicated typescript summaries of talks and text of paper by C.A. Noble of ICI

Visits and conferences, F.1-F.286

- |           |   |      |
|-----------|---|------|
| F.51      | Warner's manuscript notes on proceedings  |      |
| F.52      | Published conference report   |      |
| F.52A     | Conference on Disasters in the Process Industries,<br>Institution of Chemical Engineering, London, 5 July 1971<br><br>Correspondence and papers.<br><br>Warner chaired the meeting.                 | 1971 |
| F.53      | National Conference on Engineering Education, London,<br>26-27 February 1973<br><br>Programme, letter.<br><br>Warner was invited to send a written message to the<br>Conference but declined.       | 1973 |
| F.54-F.58 | Visit to Cyprus, 15-23 March 1973<br><br>Warner visited Cyprus under the auspices of the British<br>Council. He lectured on 'Protecting the environment' and<br>'Lifelong education for engineers'. | 1973 |
| F.54      | Arrangements for visit and functions  |      |
| F.55      | Itinerary for visit, arrangements for social functions during<br>visit  |      |
| F.56      | Interview with Warner in <i>Haravghi</i> newspaper, 27 March<br>1973<br><br>Copy of newspaper (in Greek), with 2pp translation of part<br>of the interview.   |      |
| F.57      | Warner's manuscript notes; duplicated typescript<br>information, etc  |      |

Visits and conferences, F.1-F.286

- F.58 Duplicated typescript philosophical/conservation pieces by 'D.S.'.
- F.59-F.61 Institution of Engineers of Ireland Conference on The Engineer in the New Europe, University College Dublin, Ireland, 12-13 April 1973 1973  
Warner spoke on 'Qualifications and developments necessary for Europe'.
- F.59 Arrangements
- F.60 Programme, list of participants
- F.61 Conference handbook of papers
- F.62-F.64 Royal Society Discussion Meeting on Assessment of the Environmental Impact of Chemical Substances, London, 27 April 1973 1973  
Warner was a co-organiser of the meeting with Sir James Cook. He chaired the first session and final discussion.
- F.62 Arrangements including annotated programme
- F.63 Draft report on the meeting; manuscript notes by G.T. Goodman
- F.64 Correspondence *re* publication of proceedings
- F.65 Arthur Guinness Weekend Seminar on Is the Engineers' Department geared to meet the Challenge of the Future?, Dublin, 15-17 February 1974 1974  
Arrangements including programme.  
Warner gave a lecture and answered questions in the open forum that followed.



**Visits and conferences, F.1-F.286**

- F.66                      Institution of Mechanical Engineers meeting on The Engineer in Society, 20-21 February 1974                      1974
- Programme only.
- Warner spoke on 'The engineer and pollution control'.
- F.67-F.75                The Duke of Edinburgh's Study Conference on Industry in Society, Oxford, 5-20 July 1974                      1973-1975
- Warner gave a paper on 'Industry and the environment'.
- See also D.64.
- F.67                      Arrangements for conference    1973-1974
- F.68                      Arrangements for meeting of study group chairmen, Nutley, Sussex, 4-6 April 1974                      1973-1974
- Warner attended some of the proceedings.
- F.69                      Preliminary and final programmes                                      1973, 1974
- F.70                      'Industry and the environment'    1974
- 23pp photocopy typescript of Warner's lecture.
- F.71-F.74                Printed conference papers 1-16    1974
- Lacks numbers 11 and 13
- 4 folders.
- F.75                      Correspondence arising    1974-1975
- F.76                      Société Européene pour la Formation des Ingénieurs/Fédération Européenne d'Associations Nationales d'Ingénieurs Congress, Aachen, West Germany, 27-28 September 1976                      1976

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**Visits and conferences, F.1-F.286**

/...	Arrangements.  Warner spoke on 'Education for the environment - a post experience course'.	
F.77-F.87	Visit to Australia, 24 October-19 November 1976  Warner was invited to give the opening address at the Institution of Engineers, Australia (IEA) Conference on Engineering Education, Melbourne, 26-28 October.  While in Australia he also lectured to the Chemical Engineering branch of the IEA in Melbourne; at the Universities of Monash, Tasmania and New South Wales; and to the Queensland and Western Australia branches of the Institution of Chemical Engineers.  He was also asked by P.V. Jones, Minister for Conservation and Environment of the Government of Western Australia to advise on proposals for Cockburn Sound.	1975-1977
F.77-F.79	General arrangements for conference and visit to Australia  3 folders.  Includes correspondence with Warner's son R.J. Warner who lived in Australia.	1975-1976
F.80	Partial itineraries	1976
F.81	Conference call for papers, programme, list of participants	1976
F.82	Lectures at Melbourne and Monash University, Victoria  Arrangements.  Warner spoke to the Chemical Engineering branch of the IEA on 'Management, the professional engineer and the disaster situation', Melbourne, 25 October, and at Monash University on 27 October. See also D.80.	1976

**Visits and conferences, F.1-F.286**

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|-----------|--|-----------|
| F.83      | <p>Lecture at the University of Tasmania, Hobart, 1 November</p> <p>Arrangements; list of slides; newspaper cutting reporting on Warner's talk.</p> <p>Warner spoke on 'Water pollution - the future of the Derwent'.</p>    | 1976      |
| F.84      | <p>Lecture at the University of New South Wales, Sydney, 4 November</p> <p>Arrangements, notice, Warner's manuscript notes.</p> <p>Warner spoke on 'The aftermath of Flixborough'</p>  | 1976      |
| F.85      | <p>Lectures to the Institution of Chemical Engineers Queensland and Western Australia branches, 9 November and 16 November</p> <p>Arrangements.</p> <p>Warner spoke on 'The Thames - a case study in pollution control'.</p> | 1976      |
| F.86      | <p>Correspondence and papers <i>re</i> Report on Cockburn Sound and pollution issues</p>   | 1976      |
| F.87      | <p>Correspondence arising from visit</p>   | 1976-1977 |
| F.87A     | <p>Chemical Society Industrial Division Environmental Group Symposium on 'Environmental Specialists: by training or through experience?', London, 15 April 1977</p> <p>Programme.</p>  | 1977      |
| F.88-F.90 | <p>Royal Society Discussion Meeting on Long-term Hazards to Man from Man-made Chemicals in the Environment, London, 13-14 December 1977</p> <p>Warner spoke on 'Sources and extent of pollution'.</p>                        | 1977      |

Visits and conferences, F.1-F.286

- F.88 Arrangements  
Includes draft timetable.
- F.89 20pp typescript of Warner's contribution
- F.90 Miscellaneous background material
- F.91 Society of Chemical Industry Symposium on Acceptable Risk, City University, London, 5-6 April 1978 1978  
Letter, programme.  
Warner was keynote speaker.
- F.92 Royal Society for the Prevention of Accidents Conference, Harrogate, Yorkshire, May 1978 1978  
Letter *re* arrangements; manuscript rough draft of Warner's contribution + photocopies of slides used.  
Warner spoke on 'The engineer's role in occupational safety'.
- F.93-F.100 Visit to Mexico, 28 February-16 March 1979 1978-1979  
Warner visited colleagues in Mexico City, Monterrey, Guadalajara and Merida. He gave lectures on water pollution and atmospheric pollution.
- F.93 Arrangements 1979  
Chiefly telexes.
- F.94 Itineraries in English and Spanish 1979
- F.95 'Water pollution' 1979  
11pp typescript.

Visits and conferences, F.1-F.286

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|-------|--|------|
| F.96  | <p>Background material, lists of slides etc used for lecture on water pollution</p> <p>Some prepared for lecture to be delivered at Imperial College London.</p>   | 1979 |
| F.97  | <p>'Contaminacion atmosferica'</p> <p>18pp photocopy typescript + figures.</p> <p>In Spanish.</p>  | 1979 |
| F.98  | <p>Background material, lists of slides etc used for lecture on air pollution</p>  | 1979 |
| F.99  | <p>Bound Survey of the Air Pollution Situation in Mexico City Metropolitan Area</p>  | 1978 |
| F.100 | <p>'Report of Sir Frederick Warner's visit March 5th 1979 Mexico City Subsecretariat for Improvement of the Environment and the General Direction for Air Quality Improvement'</p> <p>3pp typescript.</p>                    | 1979 |
| F.101 | <p>Conference on Bulk Storage and Handling of Flammable Gases and Liquids, London, 1-2 October 1979</p> <p>Arrangements including programme and list of participants.</p> <p>Warner chaired the first day's proceedings.</p> | 1979 |
| F.102 | <p>National Conference on Engineering Hazards, London, 23-24 January 1980</p> <p>Bound conference handbook of presentations.</p> <p>Warner spoke on 'Quantification of risk'.</p>  | 1980 |

**Visits and conferences, F.1-F.286**

F.103-F.107	Conference on Major Hazards in Europe, London, 4-5 February 1980  Warner spoke on 'Major hazards in reality - is current practice sufficient?'	1978-1980
F.103	Arrangements, including programme, and correspondence arising	1979-1980
F.104	11pp manuscript draft of Warner's contribution + list of slides	1980
F.105	Typescript paper on 'Hazard and consequence analysis', May 1978  Probably used as background material.	1978
F.106	Typescript paper on 'Siting and layout of hazardous plants'  Probably used as background material.	N.d.
F.107	Miscellaneous background material	1980
F.108-F.110	Visit to Australia, 1-15 March 1980  Lists of references for lectures at Melbourne and Sydney, 2-10 February; notice of lecture to Institution of Chemical Engineers New South Wales Group on 'Sweet River Thames', 7 February 1972.  Warner was invited to Australia as Visiting Professor at the University of Sydney. While in Australia he visited Canberra, Newcastle and Perth.  See also D.106.	1972, 1979-1980
F.108	Arrangements  Includes itineraries and guest list for Dinner in Warner's honour, University of Sydney.  Also includes humorous letter, 18 February.	1979-1980



Visits and conferences, F.1-F.286

- F.116 'Economic factors in the introduction of Fast Reactors' by R.D. Vaughan  
Not included in conference handbook though presented at the Symposium.
- F.117-F.126 Visit to Canada, September-October 1981 1980-1981  
Warner attended the 2nd World Congress of Chemical Engineering, Montreal, 4-9 October. Prior to the Congress Warner visited colleagues and gave lectures in Vancouver and Toronto.
- F.117 Visit to University of British Columbia, Vancouver, 23-25 September 1980-1981  
Arrangements, notice, manuscript notes.  
Warner gave a lecture on 'The Flixborough disaster', 24 September.
- F.118, F.119 Visit to University of Toronto, September 1981  
Warner lectured on 'The emerging role of the Engineer in socio-economic decision making, 30 September and 'Hazard aspects of economic plant design' and 'The Thames recovery', 1 October.
- F.118 Arrangements
- F.119 Notices, manuscript notes etc for lectures
- F.120-124 2nd World Congress of Chemical Engineering, Montreal 1981  
Warner spoke on 'The release of TCDD at Seveso' (paper with A.J. Howard) and 'Management aspects of technology transfer'. He chaired the sessions on International Practice of Chemical Engineering (7-8 October) during which he also spoke on 'International aspects of consultancy practice'.
- F.120 Arrangements, including programme



Visits and conferences, F.1-F.286

- F.121                    Lecture on 'The release of TCDD at Seveso'  
  
8pp photocopied typescript; background information from  
V.C. Marshall.
- F.122                    Lecture on 'Managing technology transfer'  
  
Manuscript and typescript drafts.
- F.123                    Lecture on 'International aspects of consulting practice'  
  
Abstract only.  
  
Folder also includes paper by J. Chanmugam referring to  
Warner and presented during session chaired by him.
- F.124                    'Report by Sir Frederick Warner. 2nd World Chemical  
Engineering Congress Montreal, October 4-9 1981'  
  
2pp typescript.
- F.125                    Correspondence *re* other visits in Canada                    1981
- F.126                    Correspondence arising from visit                                    1981
- F.127                    Seminar on Unresolved Problems of Risk, Oxford Centre  
for Management Studies, 26-27 February 1982                    1982  
  
Arrangements, programme.
- F.128                    HM Inspectors of Factories Annual Dinner, London, 29  
October 1982    1982  
  
Arrangements.  
  
Warner was Principal Guest and gave the Toast to the  
Inspectorate.

**Visits and conferences, F.1-F.286**

- F.129, F.130      International Society for Safety Science Symposium on Safety and Law, Louvain, Belgium, 30 May-1 June 1983      1983
- Warner participated in the panel discussion on 'Can we speak the same language?'
- F.129      Programme
- F.130      Introduction to symposium themes by J. Viane and H. Cousy
- 21pp typescript.
- F.131-F.136      Water Research Centre Conference on Environmental Protection: Standards Compliance and Costs, Keele University, Staffordshire, 4-6 October 1983      1983
- Warner spoke on 'Pollution - the risk in perspective'.
- F.131      Programme and list of participants
- F.132-F.136      Printed conference papers 1-21, plus support paper on risk perception
- Lacks number 3.
- 5 folders.
- F.137-F.139      Parliamentary and Scientific Committee Seminar on the Future of Nuclear Energy, House of Commons, London, 23 November 1983      1983
- The Parliamentary and Scientific Committee was an unofficial group of MPs, MEPs and representatives of scientific and technical institutions and science-based companies.
- Warner spoke on the environmental aspect of nuclear energy. See also D.112.
- F.137      Arrangements, including programme, correspondence arising, information on the Parliamentary and Scientific Committee

**Visits and conferences, F.1-F.286**

- F.138 Warner's manuscript notes
- F.139 Background material assembled by Warner  
1 bundle.
- F.140 United Nations Environmental Programme World Conference on Industry and Environment, September 1984 1983  
Correspondence *re* Committee of Convenors; first Bulletin.  
Warner was on the Committee of Convenors.
- F.141 Visit to Australia, March 1985 1984-1985  
Arrangements, notice.  
Warner attended Convocation II at the Australian College of Occupational Medicine, Parkville, Victoria, and spoke on risk assessment and management. He also visited Melbourne (see also D.126).
- F.142 International Arbitration Conference on Uncitral Model Law - the Immediate Impact, London, 29 November 1985 1985  
Conference handbook.  
The Uncitral Model Law related to international commercial law. See also C.199-C.205.
- F.143 Unilever Symposium on Future Directions in Product Assurance, Unilever Research Colworth Laboratory, Bedfordshire, 12-13 December 1985 1985  
Arrangements including programme.  
Warner spoke on 'Scientific approach to risk assessment, risk perception'.
- F.144 Visit to India, January 1986 1985-1986  
Arrangements; background information. /...

**Visits and conferences, F.1-F.286**

- /... During his visit Warner gave lectures on the 'Environmental consequences of nuclear war' at the Tata Institute of Fundamental Research, Bombay, 10 January and the Gandhi Memorial Museum, Madurai, 19 January.
- F.145 Conference on the Problems of Peace and Prevention of Nuclear War, Moscow, USSR, 27-29 May 1986 1986  
Visa information and letter *re* arrangements.
- F.146, F.147 National Academy of Sciences Committee on International Security and Arms Control Meeting with European Scientists, Washington DC, USA, 28-30 June 1986 1986  
Warner was a member of the UK delegation.
- F.146 Arrangements, list of participants, programme
- F.147 Background information
- F.148 International Conference on Nuclear Risks. Reassessing the Principles and Practice after Chernobyl, London, 1-2 December 1986 1986  
Programme only.  
Warner chaired the first day's meeting.
- F.149 British Association Conference on Nuclear Winter, London, 3 December 1986 1986  
Arrangements  
Warner spoke on current scientific knowledge on the environmental consequences of nuclear war.
- F.150 Royal Society meeting on Scientific and Technological Risks of Nuclear Power, London, 30 April 1987 1987  
Arrangements.

**Visits and conferences, F.1-F.286**

- F.151                      Economic and Social Research Council seminar on Risk Perception, London, 7 May 1987                      1987
- Arrangements including programme.
- F.152-F.157                Robens Institute Symposium on Major Emergencies: Fixed Installations and Transport, University of Surrey, Guildford, 23-24 September 1987                      1987
- Warner spoke on 'Historic perspective on major incidents'.
- F.152                      Arrangements, and information from D.P. Fernandes-Russell sent to Warner
- F.153                      Programmes, list of participants
- F.154                      Manuscript and photocopy manuscript notes for Warner's contribution
- F.155                      Abstracts and lecture notes
- F.156                      Supplementary handout
- F.157                      Correspondence arising
- Includes summary report of the meeting.
- F.158-F.160                European Conference on Industry and Environmental Management, Interlaken, Switzerland, 12-14 October 1987                      1986-1987
- Warner was a member of the Conference's Advisory Board on which he represented SCOPE.
- Warner gave the summing up for Workshop II 'New technologies: environment at risk?'

Visits and conferences, F.1-F.286

F.158, F.159	Correspondence <i>re</i> meetings of the Advisory Board and decisions made  2 folders.	1986-1987
F.160	Arrangements, programme, abstract of Warner's contribution	1987
F.161	British Quality Association Conference on Total Quality in Industry and Commerce, London, 18 May 1988  Programme only.  Warner gave the opening remarks.	1988
F.162	Royal Society of Chemistry 3rd FECS Conference on Chemistry and the Environment: Risk Assessment of Chemicals in the Environment, University of Surrey, Guildford, 11-14 July 1988  Arrangements.  Warner was a speaker in the introductory session.	1988
F.163-F.167	Commonwealth Science Council Human Resource Development Group Meeting on Disaster Management, London, 26-28 September 1988  Warner was an expert speaker at the meeting.	1988
F.163	Annotated provisional agendas, 'Proposed framework for discussion' and manuscript notes	
F.164	List of participants and 'Resource persons', with information thereon  Warner is listed as a 'Resource person'.	
F.165, F.166	Briefing notes and background papers  2 folders.	

Visits and conferences, F.1-F.286

- F.167 'Proposals for action' and 'Report for discussions'
- F.168, F.169 Conference on the Control and Management of Accidental Radioactive Releases to the Environment, London, 8-9 November 1988 1988  
Warner was Conference Chairman.
- F.168 Arrangements, including programme
- F.169 Bound conference handbook
- F.170 Visit to Brazil, 26 November-11 December 1988 1988  
Arrangements (chiefly telexes).  
Warner attended the 2nd Environment Workshop at the University of Sao Paulo, 5-9 December. He spoke on 'The environment and nuclear war'.  
See also D.143.
- F.171 Council of Science and Technology Institutes Meeting on Developments in Secondary Education: Implications for Professional Bodies, London, 12 December 1988 1988  
Invitation only.  
Warner had intended to attend but cancelled due to his visit to Brazil.
- F.172 Conference on the Effects of Small Doses of Radiation, London, 7-8 February 1989 1989  
Programme (annotated), list of participants.
- F.173 St John Ambulance Association Special Centres Seminar, Nottingham, 31 March-1 April 1989 1989  
Letter *re* arrangements, programme, Warner's manuscript notes.

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Visits and conferences, F.1-F.286

- /... Warner spoke on 'Working together'.
- F.174-F.175A European Ecumenical Assembly on Peace with Justice, Basel, Switzerland, 15-21 May 1989 1989-1990  
See also A.129-A.132.
- F.174 Report on the meeting held during the Assembly on 'Common tasks for church representatives and scientists after the Basel Assembly'
- F.175 'The Manifesto of Basel...Recommendations of European Scientists at the Ecumenical Assembly "Peace with Justice"...'
- F.175A Correspondence *re* 'Scientists' Appeal on the Environment' 1989-1990  
This Appeal ('Preserving and Cherishing the Earth: an appeal for joint commitment in science and religion') was initiated by Carl Sagan. Warner was a signatory.
- F.176, F.177 Royal Society Discussion Meeting on Human Factors in High-Risk Situations, London, 28-29 June 1989 1986, 1989  
The meeting was originally proposed by J.C. Waterlow and D.E. Broadbent in 1986. It took place in 1989, organised by D.E. Broadbent, A.D. Baddeley and J. Reason.
- F.176 Proposal by Waterlow 1986
- F.177 Programme, abstracts, list of participants 1989
- F.178-F.184 Visit to India, 27 December 1989-7 January 1990 1989-1990  
The visit was arranged through the Commonwealth Science Council. Warner participated in a Workshop on Hazard Assessment and Disaster in Petroleum, Chemical and Allied Industries. He also attended the Conference on Nuclear Power: Advanced Fuel Cycles at the Tata Institute



Visits and conferences, F.1-F.286

of Advanced Research.

In India Warner also visited colleagues at the National Chemical Laboratory, Pune and the Regional Research Laboratory, Trivandrum, and was interviewed for the journal *Chemical Business*.

See also D.148.

F.178	Arrangements	1989-1990
F.179	Itineraries	1989
F.180, F.181	Workshop on Hazard Assessment and Disaster in Petroleum, Chemical and Allied Industries, Central Leather Research Institute, Madras, 30 December 1989  Warner spoke on 'Lessons of nuclear disasters and their relevance to chemical industry'.	1989
F.180	Programme and workshop information, aide-memoire/first circular	
F.181	Background information on major accident hazards control in India	
F.182	Conference on Nuclear Power: Advanced Fuel Cycles, Tata Institute of Advanced Research, Bombay, 5-6 January 1990.  Arrangements, including programme; newspaper cutting reporting on Warner's contribution.  Warner spoke on 'After Chernobyl'.	1989-1990
F.183	'Sir Frederick Warner in India', interview in <i>Chemical Business</i> , 5-19 March 1990, pp 55-60  Copy of interview and of subsequent piece in <i>Chemical Business</i> , 'Sir Frederick Warner at the CSIR Workshop on Chemical Hazard and Risk Analysis', June 20-July 4 1990, pp31-32; correspondence <i>re</i> publication.	1990

Visits and conferences, F.1-F.286

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|-------------|---|-----------|
| F.184       | Correspondence arising from visit.  | 1990      |
| F.185-F.189 | Royal Society Discussion Meeting on Technology in the Third Millennium: The Environment (Approaches to the Handling and Treatment of Wastes), 21-22 February 1990<br><br>Warner was a co-organiser of the meeting with A.D. Bradshaw and Sir Richard Southwood and he introduced the meeting. | 1988-1990 |
| F.185-F.187 | Arrangements<br><br>Correspondence, principally with A.D. Bradshaw and the Royal Society <i>re</i> preparations for the meeting.<br><br>3 folders.  | 1988-1989 |
| F.188       | Programme, abstracts, list of participants, introduction by Warner  | 1990      |
| F.189       | Drafts of Warner's introduction with corrections for publication<br><br>Also includes Warner's conference report published in <i>Environmental Management and Health</i> , vol 1 (1990).  | 1990      |
| F.190       | 1st Middle East International Quality Assurance Conference on The Quality Challenge, Bahrain, 12-14 March 1990<br><br>Arrangements<br><br>Warner was asked to speak on 'The chain of quality'.  | 1989-1990 |
| F.191       | Institute of Quality Assurance Midland Region Conference, Meriden, Warwickshire, 5 April 1990<br><br>Arrangements.<br><br>Warner spoke on 'The role of the professional associations'.  | 1990      |

**Visits and conferences, F.1-F.286**

F.192	International Council of Scientific Unions Conference on International Science and its Partners, Visegrad, Hungary, 1-5 May 1990  Arrangements.  Warner participated in the panel discussion on relations between science and industry.	1990
F.193, F.194	British Nuclear Forum Conference on Nuclear Power in a Changing World, London, 25-27 June 1990	1990
F.193	Programme	
F.194	Bound conference handbook of synopses	
F.195, F.196	International Council of Scientific Unions 23rd General Assembly, Sofia, Bulgaria, 29 September-8 October 1990  Warner represented SCOPE at the meeting. During the proceedings he received the International Council Of Scientific Unions 1991 Gerard Piel Award for Service to Science in the Cause of Man.	1990
F.195	Arrangements, including the Gerard Piel Prize	1990
F.196	Circular, list of participants	
F.197	Invitations declined or with no evidence of acceptance	1990-1991
F.198, F.199	Economic and Social Research Council/London School of Economics Seminar on Rethinking System Failure, Hazard Management and Institutional Design, London School of Economics, 1 May 1991	1991
F.198	Arrangements	

**Visits and conferences, F.1-F.286**

F.199	Briefing paper on 'Risk and blame' by M. Douglas	
F.200, F.201	Royal Society Soirée on Science into Industry, London, 8 May 1991  Warner was a member of the Royal Society subcommittee organising the event.	1990
F.200	Arrangements  Includes meetings of the subcommittee and proposals for exhibits.	
F.201	Programme	
F.202	Malvern Conference 1941-1991. The Threshold for Europe, Malvern, Worcestershire, July 1991  Arrangements.  The Malvern Conference was held on the 50th Anniversary of the first conference, called by the Archbishop of Canterbury, William Temple, in 1941, 'to respond to the challenge of the next 50 years for Britain...'.  Warner was a member of the Science and Technology Section.	1991
F.203-F.205	British Nuclear Forum Conference on the Nuclear Industry in the UK, Ditchley Park, Oxfordshire, 13-15 September 1991	1989-1991
F.203	Arrangements, including programme and list of participants	1991
F.204	Briefing and discussion papers; manuscript notes.	1991
F.205	Other background material  Includes Warner's memorandum on Fast Breeder Reactors for the House of Commons Select Committee on	1989-1991

Visits and conferences, F.1-F.286

Energy 1989 and correspondence 1990.

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| F.206 | 40th Anniversary Meeting of Fédération Européenne d'Associations Nationales d'Ingénieurs, Luxembourg, 9-12 October 1991<br><br>Arrangements.   | 1991 |
| F.207 | National Conference on Integrated Pollution Control for the Process Industries, London, 20-21 November 1991<br><br>Arrangements, including programme.<br><br>Warner chaired the first day's proceedings.   | 1991 |
| F.208 | Conference on Offshore Safety Cases - Preparation and Implementation, London, 18-19 November 1991<br><br>Letter of thanks only.<br><br>Warner chaired the conference.  | 1991 |
| F.209 | Inter-Agency Committee on Global Environment Change Seminar, Imperial College London, 18 December 1991<br><br>Invitation, attendance list.   | 1991 |
| F.210 | United Kingdom Innovation Lecture by Akio Morita, Royal Society, London, 6 February 1992<br><br>Invitation, guest list, biographical information, text of lecture.<br><br>Morita lectured on the importance of innovation. Warner was a guest.   | 1992 |
| F.211 | Seminar on Energy, Development and Climatic Changes, Cairo, Egypt, 1-3 March 1992<br><br>Invitation, abstracts in English and French, 15pp typescript + figures of paper by I. Colbeck and Warner.<br><br>Warner was unable to attend the seminar. I. Colbeck presented a paper by him and Warner, 'Validating the | 1992 |

Visits and conferences, F.1-F.286

Greenhouse Effect - evidence from other environmental issues'.

F.212	<p>Women's National Commission and Committee on the Public Understanding of Science Joint Seminar 'Living is a Risky Business', London, 22 September 1992</p> <p>Arrangements, including programme and list of participants; correspondence arising; brief note on Warner's talk; information on the Women's National Commission.</p> <p>Warner spoke on 'What is risk and how can we measure it?'</p>	1992
F.213-F.226	<p>International Risk Assessment Conference, London, 5-9 October 1992</p> <p>Warner was a member of the Advisory Committee of the conference. He chaired the final session 'How well does risk assessment serve our needs?'</p> <p>The conference was held shortly after the publication of the Royal Society report <i>Risk: Analysis, Perception and Management</i> (see C.412-C.513).</p> <p>For material relating to Warner's involvement with the Health and Safety Executive in organising the conference, see C.160-C.164.</p>	1991-1992
F.213, F.214	<p>Arrangements</p> <p>2 folders.</p>	1991-1992
F.215	<p>Conference programme</p>	1992
F.216	<p>List of participants</p>	1992
F.217-F.225	<p>Conference papers</p> <p>In alphabetical order by author.</p> <p>9 folders.</p>	1992

**Visits and conferences, F.1-F.286**

- F.226                      Miscellaneous material found with conference papers.
- F.227                      Council of Science and Technology Institutes Conference  
on Scientists Serving Health, London, 3 November 1992                      1992
- Arrangements, including programme, letter of thanks.
- Warner chaired the afternoon session.
- F.228                      Nuclear Anniversary Meeting, 2 December 1992                      1992
- Arrangements.
- F.229                      Invitations declined or with no evidence of acceptance                      1992-1993
- F.230, F.231                      Centre for Social and Economic Research on the Global  
Environment Seminar on The Precautionary Principle,  
Green College Oxford, 31 March-1 April 1993                      1993
- Warner spoke on 'The precautionary principle as an  
element of risk management and its implications for the  
changing conceptions of risk avoidance and liability'.
- F.230                      Arrangements
- F.231                      3pp manuscript notes for Warner's contribution; 'What if?  
versus If it ain't broke, don't fix it', 2pp typescript
- F.232                      Interdisciplinary Workshop on Medicine in the International  
Decade for Natural Disaster Reduction, Royal Society,  
London, 19 April 1993                      1993
- Programme, attendance list, background paper.
- See also C.530-C.547.
- F.233, F.234                      Institution of Chemical Engineers International Conference  
Processtech' 93, London, 20-22 April 1993                      1992-1993
- Warner presented a joint paper with Sir Bernard

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Crossland 'Risk - a holistic view'.

F.233	Arrangements	1992-1993
F.234	Summary; manuscript and typescript drafts of paper	
F.235, F.236	International Center for a Scientific Ecology Seminar on the concept of linear relationship between dose and effect, Paris, France, 10 May 1993	1993
F.235	Arrangements, including programme and lists of participants	
F.236	Conference papers	
F.237	Joint Gresham College/Royal Society Joint Lecture on Building Pathology, London, 25 May 1993  Letter <i>re</i> attendance (not otherwise documented).	1993
F.238	HR Wallingford Ltd Seminar on Waves at the Coast - Recent Developments, Wallingford, Oxfordshire, 27 May 1993  Arrangements.	1993
F.239	British Association Conference on Investing in the Future. Science, Technology and Wealth Creation, London, 9 June 1993  Arrangements.	1993
F.240	Royal Society of Edinburgh International Conference on the Biological Effects of Low-Level Ionising Radiation, 1-2 July 1993  Programme.  Warner gave 'A summary of the deliberations of the new	1993



Visits and conferences, F.1-F.286

Royal Society Study Group on Risk'.

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|-------------|--|------|
| F.241       | Seminar on Environmental Education in Higher Education Curricula - Engineering, University of Hertfordshire, 14 July 1993    | 1993 |
|             | Arrangements, including list of participants; biographies of speakers.   |      |
|             | Warner gave the opening remarks.   |      |
| F.242-F.244 | Institution of Mechanical Engineers International Conference on Successful Management for Safety, London, 12-13 October 1993 | 1993 |
|             | Warner spoke on 'An overview of safety and quality'.   |      |
| F.242       | Arrangements   |      |
| F.243       | List of participants   |      |
| F.244       | Printed conference handbook of papers  |      |
| F.245       | World Federation of Engineering Organisations Congress, Havana, Cuba, October 1993   | 1993 |
|             | 5pp typescript of Warner's contribution; letter <i>re</i> publication thereof.   |      |
|             | Warner gave the keynote address on 'Sustainable development'.  |      |
|             | See also D.160.  |      |
| F.246       | Nuclear Electric briefing meeting, London, 1 November 1993   | 1993 |
|             | Invitation and acceptance.   |      |

Visits and conferences, F.1-F.286

F.247, F.248	Institution of Chemical Engineers Research Event, University College London, 5-6 January 1994  Warner offered a paper 'Biogeochemical pathways in the environment' which was accepted as a poster presentation but subsequently withdrew it.	1993-1994
F.247	Arrangements, including programme	1993
F.248	Typescript abstract and drafts of Warner's contribution	1993-1994
F.249-F.273	Royal Society Discussion Meeting on Extrapolation of Dose Response Data for Risk Assessment, London, 7 July 1995  The meeting was co-organised by Warner who introduced the meeting. The proceedings, edited by Warner, were published as a supplement to <i>Process Safety and Environmental Protection. Transactions of the Institution of Chemical Engineers B</i> vol 73 no B4 (1995).	1995-1996
F.249-F.258	Arrangements  Chiefly correspondence with Royal Society, Linda Appleby (administrator), possible and confirmed participants and speakers, co-organisers etc.	1995
F.249	February-March	1995
F.250	April	1995
F.251	May	1995
F.252	1-8 June	1995
F.253	9-20 June	1995
F.254	22-30 June	1995

Visits and conferences, F.1-F.286

F.255	July	1995
F.256, F.257	Lists of possible participants and those attending 2 folders.	1995
F.258	A4 paper pad used by L.J. Appleby for notes on arrangements.	
F.259	Abstracts	1995
F.260-F.265	Conference papers 6 folders.  In alphabetical order by surname. Warner's contribution, 'Living with risk', in manuscript, typescript and published ( <i>Science and Public Affairs</i> ) forms, is at F.264.	1995, 1996
F.266-F.270	Discussion transcripts  Corrected and edited versions of remarks made during discussson. These were included in the published proceedings.  In alphabetical order by surname. Warner's remarks are at F.270.  5 folders.	1995
F.271	AR90 cassette tape of 'Questions' from morning and afternoon sessions	
F.272	Published proceedings	1995
F.273-F.275	Correspondence arising  Chiefly with participants thanking Warner and	1995-1996

Visits and conferences, F.1-F.286

congratulating him upon the success of the meeting and with the Instituion of Chemical Engineers *re* publication of proceedings.

3 folders.

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|--------------|---|------|
| F.276-F.283  | International Conference on One Decade after Chernobyl: Summing up the Consequences of the Accident, Vienna, Austria, 8-12 April 1996   | 1996 |
| F.276        | Addresses by H. Blix and Presidents of Ukraine and Belarus  |      |
| F.277        | Press release   |      |
| F.278        | Programme   |      |
| F.279        | Bound list of participants and observers  |      |
| F.280, F.281 | Conference papers<br><br>2 folders.   |      |
| F.282        | 'Preliminary suggestions for conclusions and recommendations of the International Conference on One Decade after Chernobyl: Summing up the Consequences of the Accident'                |      |
| F.283        | Printed and photocopy background material.<br><br>1 bundle.   |      |
| F.284        | Royal Society Discussion Meeting on the Perceptions and Implications of Risk, 3 October 1996<br><br>Photocopy report only.<br><br>Warner had chaired the two Royal Society Study Groups | 1996 |

**Visits and conferences, F.1-F.286**

on Risk that had reported in 1993 and 1992.

F.285, F.286	Institution of Water Officers Annual Conference, Chester, 24-26 April 1997	1996-1997
	Warner gave the keynote address on 'Risk - Government and society'.	
F.285	Arrangements, including programme and Warner's cv.	1996-1997
F.286	Abstract and drafts of Warner's keynote address	