

Catalogue of the papers and correspondence of

**Joseph Needham CH FRS**

(1900 - 1995)

Material relating to Chemical and Biological Warfare

by Timothy E. Powell and Peter Harper

NCUACS catalogue no. 55/4/95

|                     |                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title:              | Catalogue of the papers and correspondence of Joseph Needham CH FRS (1900-1995), biochemist and historian of science, relating to Chemical and Biological Warfare |
| Compiled by:        | Timothy E. Powell and Peter Harper                                                                                                                                |
| Description level:  | Fonds                                                                                                                                                             |
| Date of material:   | 1952-1989                                                                                                                                                         |
| Extent of material: | ca 150 items. 5 boxes.                                                                                                                                            |
| Deposited in:       | The Department of Documents, Imperial War Museum, London                                                                                                          |
| Reference code:     | GB 161 95/10/5                                                                                                                                                    |

© 1995 National Cataloguing Unit for the Archives of Contemporary Scientists, University of Bath.

NCUACS catalogue no. 55/4/95

The work of the National Cataloguing Unit  
for the Archives of Contemporary Scientists  
has been made possible by the support of the  
following societies and organisations:

The Biochemical Society

The British Library

British Petroleum plc

The Geological Society

The Institute of Physics

The Royal Society

The Royal Society of Chemistry

The Society of Chemical Industry

The Wellcome Trust

NOT ALL THE MATERIAL IN THIS COLLECTION  
MAY YET BE AVAILABLE FOR CONSULTATION.  
ENQUIRIES SHOULD BE ADDRESSED IN THE  
FIRST INSTANCE TO:

THE DEPARTMENT OF DOCUMENTS  
IMPERIAL WAR MUSEUM  
LONDON

## LIST OF CONTENTS

|                         | Page |
|-------------------------|------|
| INTRODUCTION            | 4    |
| LIST OF PAPERS          | 7    |
| INDEX OF CORRESPONDENTS | 24   |

## INTRODUCTION

### PROVENANCE

The material was deposited in the Department of Documents, Imperial War Museum by Joseph Needham in 1992, as a result of arrangements made following an oral history interview in 1987. It was received for cataloguing from the Department of Documents in December 1993.

### DESCRIPTION OF THE COLLECTION

The papers relate to Needham's service as a member of the World Peace Council sponsored 1952 International Scientific Commission investigating alleged United States use of bacteriological warfare in North Korea and north east China during the Korean War, and subsequent material relating to the findings of the Commission and to chemical and biological warfare (CBW) in general.

In early 1952 the governments of North Korea and the People's Republic of China claimed that the US was dropping infected insects and other material into their territory from the air in an effort to spread disease. Unwilling to accept investigation of these charges by the World Health Organisation or International Red Cross, the North Korean and Chinese authorities invited a commission from the International Association of Democratic Lawyers. This commission reported in March and April that they believed the charges to be true and accused the US of war crimes.

During his period in China as head of the Sino-British Science Co-operation Office, 1942-1946, Needham had been asked to investigate reports that the Japanese were using bacteriological weapons against Chinese civilian targets. He was persuaded by evidence from the Chinese Surgeon-General's office that the Japanese were engaged in bacteriological warfare and submitted a report to this effect. When the allegations of US use of bacteriological agents arose Needham believed that the US military could have been building on the Japanese experience with bacteriological warfare to which they would have had access during the occupation of Japan.

Needham was involved in organising a number of meetings to discuss the allegations and the findings of the International Association of Democratic Lawyers' commission and in April 1952 prepared a set of 'Notes on alleged Bacterial Warfare in Korea' indicating that he found the claims of the North Korean and Chinese authorities plausible. However, the commission's findings were widely regarded as suspect, in part because of the lack of scientific knowledge on the part of its

members. The Chinese and North Korean authorities therefore established an International Scientific Commission to add credibility to the investigation of its allegations. Needham was a member of this, receiving a formal invitation to P.R. China from the Academia Sinica.

The Scientific Commission, comprising seven scientists from Europe, USSR and Brazil was led by the Swedish scientist Andrea Andreen. It arrived in P.R. China in late June and continued its work through to September. On his return to Britain Needham held a press conference to report the Commission's findings and shortly thereafter the Commission's report was published. It concluded that the US was waging bacteriological warfare in North Korea and China, albeit not a great scale. The Commission's findings aroused great controversy. Needham spoke at many meetings, some organised by the Britain-China Friendship Association, to defend the Commission's work, and also was involved in a number of exchanges in the press. The controversy was reawakened when the US airmen who had testified to the use of bacteriological weapons withdrew their evidence on their release by North Korea.

In 1956 the editors of *China Monthly Review*, J.W. Powell, his wife S.C. Powell and J. Schuman were charged in the US with sedition. Amongst the seditious material said to have been published were the findings of the Commission. Needham and other members of the Commission wrote in support of the defendants against whom all charges were finally dropped in 1961.

Needham thereafter maintained an interest in the subject of CBW and from the late-1970s, after the passing of the Freedom of Information Act in the USA, evidence was released appearing to support the findings of the 1952 Commission.

The bulk of the papers relate to the 1952 allegations. There are correspondence and papers relating to the reception of the reports of the commission from the International Federation of Democratic Lawyers', the formation of the International Scientific Commission, and all stages of its work, including copies of evidence placed before the Commission and Needham's notes made during the Commission's enquiries. There is also extensive material relating to the reception of the Commission's Report in the UK and worldwide, including press-cuttings and correspondence with interested parties. Needham spoke at many meetings explaining the work of the Commission and defending its findings and these are documented here. There is also material covering the release of the US airmen and the doubt that their retractions of evidence given to the Scientific Commission seemed to throw on its findings.

The collection also includes correspondence and papers relating to the trial of J.W. Powell and his co-defendants and to Needham's efforts to enlist support for their case in the UK, press-cuttings and other background material on CBW assembled during the 1960s, relating in particular to the conflict

in Vietnam, and correspondence from the late 1970s on arising from the renewed historical interest in the possible use of bacteriological weapons by the Japanese in the Second World War and by the US in the Korean War.

Item 113 is an audio recording of Needham's account of his work on the Commission made for the Imperial War Museum in 1987.

#### LOCATIONS OF OTHER MATERIAL

Books on CBW donated by Needham to the Imperial War Museum are held by the Museum's Department of Printed Books.

The principal collection of the papers and correspondence of Joseph Needham is deposited in Cambridge University Library. It is catalogued as NCUACS no. 54/3/95.

Where appropriate references have been given in the present catalogue to folder numbers of complementary material in the papers deposited in Cambridge.

T.E. Powell  
P. Harper  
BATH 1995

## LIST OF PAPERS

The material is arranged as follows:

|         |                                     |
|---------|-------------------------------------|
| 1-113   | International Scientific Commission |
| 1-12    | Establishment of Commission         |
| 13-54   | Commission investigations           |
| 55-113  | Reception of the Commission report  |
| 114-122 | Powell-Schuman case                 |
| 123-153 | Later CBW material 1962-1989        |
| 123-135 | 1960s                               |
| 136-140 | 1970s                               |
| 141-153 | 1980s                               |

## International Scientific Commission

### Establishment of Commission

- 1-8 'Pre-Commission'. Contents of Needham's folder so inscribed divided into eight for ease of reference: papers *re* response to allegations of US use of bacteriological warfare and the findings of the commission of the International Association of Democratic Lawyers.
- 1 Joint Meeting of Britain-China Friendship Association (BCFA) and London Peace Council, London, 25 April 1952.
- Annotated agenda; manuscript notes; BCFA broadsheet 'America is using Germ Warfare'; letter arising.
- 2 Joint Meeting of national committees of Science for Peace and Medical Association for the Prevention of War, London, 28 April 1952. The meeting was addressed by J.D. Bernal.
- Includes letter *re* arrangements and 5pp typescript 'Bacteriological Warfare in Korea and China' by Bernal.
- 3 Invitation to British Peace Committee private discussion meeting on bacteriological warfare, London, 9 May 1952.
- Public Meeting organised by Cambridge Peace Front and BCFA on 'Is America using Germ Warfare?', Cambridge, 9 June 1952.
- Draft resolution, with covering letter; poster; hand-bill.
- 4 Manuscript and typescript drafts of Needham's 'Notes on alleged Bacterial Warfare in Korea'; duplicated typescript copy, 27 April 1952.
- 5 Press-cuttings on the alleged use of bacteriological warfare.
- 6 Press-releases and publicity material of New China News Agency.
- 7, 8 Other printed and typescript background material. 2 folders.

- 9 Copy of International Association of Democratic Lawyers' commission *Reports on Investigations in Korea and China March-April 1952*.
- 10-12 'A Formation of Commission'. Contents of Needham's folder so inscribed divided into three for ease of reference.
- 10 Correspondence *re* need for scientific investigation of Chinese claims and *re* possible membership of a scientific commission, April-May 1952.
- 11 Correspondence *re* Needham's visit to P.R. China, June 1952.
- 12 Miscellaneous material. Includes typescript of letter to Dorothy Needham (wife) with account of his likely movements in China, and material *re* preparation of joint statement by members of the Commission explaining the limits of their professional competence.

#### **Commission investigations**

- 13-16 'A1 Queries and Comments Background material'. Contents of Needham's folder so inscribed divided into four for ease of reference.
- 13 'Documents (first series) given for reproduction in Fr, [Chinese] and Russ', 23 June 1952.
- Includes reports of meetings of joint subcommittee of Science for Peace and Medical Association for the Prevention of Warfare to consider the allegations, 5 May and 10 May; and 'critical comments' by J. H. Humphrey and W. H. Thorpe.
- 14 'Comment and summary (by a scientist March 16, 1952)', 2pp typescript; 'An investigation to determine whether the flies naturally occurring in Shenyang city carry intestinal pathogenic bacteria and *B. Anthracis*', 5pp duplicated typescript, July and August 1952; 'The vector-borne infections', 8pp typescript abstract of 1947 article by T. Rosebury *et al*.
- 15 Miscellaneous typescript and duplicated typescript notes and papers.
- 16 Manuscript notes; press-cuttings; etc.

- 17-19 'A2 Documents of Commission'. Contents of Needham's folder so inscribed divided into three for ease of reference.
- 17, 18 Duplicated typescript reports of meetings 1-17 of the Commission, 23 June - 19 July 1952. Needham attended from the second meeting.
- 19 Typescript biographical notes on S.B. Pessoa, Commission member; manuscript notes for Needham's 'Dinner spch at Mukden 1st night'.
- 20-23 'B Prague documents and their analysis'. Contents of Needham's folder so inscribed divided into four for ease of reference: typescript and manuscript notes on evidence for bacteriological warfare, and duplicated typescript World Peace Council 'Documentation on Bacteriological Warfare' bulletins and reports on alleged incidents from Chinese government agencies, some annotated by Needham.
- Retained in original order.
- The 'Prague documents' were statements, reports, scientific data and other evidence that had been assembled by earlier investigations into allegations of the use of bacteriological weapons. They were so-called because they were disseminated through Prague. The documents bore the code SIA. The Scientific Commission, to identify the evidence it gathered, used the code ISC.
- 24-27 'B Four Zero series'. Contents of Needham's folder so inscribed divided into four for ease of reference: duplicated typescript reports on cases of alleged use of bacteriological warfare, some annotated by Needham, with accompanying photographs of evidence.
- The 'Four Zero series' was a sequence of cases from alleged incidents in north east China, numbered 00001 - 00010.
- 28 'B1 Additional Releases mainly non-scientific'. Contents of Needham's folder so inscribed: World Peace Council 'Documentation on Bacteriological Warfare' bulletins; press-cuttings.
- 29, 30 'B2 Plague Kan-Nan'. Contents of Needham's folder so inscribed divided into two for ease of reference: typescript report (2 copies) of incident of plague at Kan-Nan, extensively annotated by Needham; manuscript and typescript notes; etc.
- The Commission visited Kan-Nan on 14 July 1952.

- 31, 32 'B3 Containers of K'uan-Tien Burchett Ch'ang-Pai Pilots'. Contents of Needham's folder so inscribed divided into two for ease of reference: typescript and manuscript notes, photographs etc on types of canisters and bombs described in the incidents; notes on case of American POW allegedly infected by germ-carrying insect.
- 33 'B4 Anthrax'. Contents of Needham's folder so inscribed: 14pp typescript 'Commentary on the incidents in Liaotung province connected with the dissemination of anthrax and cases arising therefrom'; manuscript and typescript notes.
- 34 'B5 Encephalitis'. Contents of Needham's folder so inscribed: manuscript and typescript notes, including incomplete typescript 'Commentary on the cases of a new form of encephalitis occurring at Shenyang (Mukden) after American air intrusions'.
- 35, 36 'B6 Phytopathol.'. Contents of Needham's folder so inscribed divided into two for ease of reference.
- 35 Duplicated typescript reports on cases of alleged dispersal of fungus-laden plant material by US air force, with accompanying photographs of evidence.
- 36 Manuscript and typescript notes.
- 37 'C1 Korea general'. Contents of Needham's folder so inscribed: typescript 'Questions addressed to the (North) Korean Minister of Health', 30 July 1952, with replies; manuscript draft of 'Questions' in French; manuscript notes.
- 38 'C2 Korea Cholera etc'. Contents of Needham's folder so inscribed: manuscript and typescript notes *re* alleged use of cholera at Dai-Dong.
- 39 'C3 Korean material Plague and Jap plague etc'. Contents of Needham's folder so inscribed: manuscript and typescript notes *re* alleged use of plague at Kang-Sou and Hoi-Yang.
- 40 'C4 Korea agents'. Contents of Needham's folder so inscribed: typescript and manuscript notes *re* South Korean agents allegedly sent into North Korea to ascertain effects of bacteriological warfare.

- 41-45 'C5 Korea pilots'. Contents of Needham's folder so inscribed divided into five for ease of reference.
- The Chinese and North Korean allegations were supported by the confessions of captured US airmen. These were subsequently retracted, see 106-112 below.
- 41 Letter from S.W. Green, Cambridge Peace Front, *re* importance of Westerners being allowed to interview captured airmen, 25 July 1952; 'Notes on interviews with four captured American airmen', 15pp typescript; manuscript notes.
- 42 World Peace Council 'Documentation on Bacteriological Warfare' bulletins on confessions of US pilots, May - June 1952.
- 43, 44 Press-release supplements of the New China News Agency reporting the statements and 'interrogation' of the airmen by the Scientific Commission, September 1952. 2 folders.
- 45 Photographs of written testimony by US airmen; printed material.
- 46, 47 'D Exhibitions'. Contents of Needham's folder so inscribed divided into two for ease of reference.
- 46 Manuscript notes on and bibliography from 'BW exhibn' at Shenyang.
- 47 Brochure for 'Exhibition on Bacteriological War Crimes committed by the Government of the United States of America', Peking, 1952.
- 48-50 'E Report'. Contents of Needham's folder so inscribed divided into three for ease of reference: typescript drafts of sections of the Scientific Commission's report, with Needham's manuscript annotations and corrections.
- 51 'Selected papers from ISC files'. Contents of Needham's folder so inscribed: miscellaneous manuscript and typescript notes; press-cuttings etc.

52 Chinese material *re* hygiene measures: three illustrated booklets 'The Health of the Village', 'The Happiness of the Farmer' and 'Crush the American Bacterial Warfare'; 10pp typescript, 'Some aspects of the Patriotic Health and Sanitation Campaign'.

53 *Report of the International Scientific Commission for the Investigation of the Facts concerning Bacterial Warfare in Korea and China (with appendices)*, Peking, 1952.

54 French version of the Report.

#### **Reception of the Commission's Report**

55-58 'Press conference'. Contents of Needham's folder so inscribed divided into five for ease of reference.

On his return from the Commission, prior to publication of the report, Needham held a press conference in London on 26 September 1952.

55 6pp duplicated typescript of Needham's statement, with manuscript corrections; insertions for the statement and transcript of Needham's replies to questions; duplicated typescript copy of letter to Press Association listing other scientists who had been invited to China to investigate the claims. See 65 below.

56, 57 Needham's duplicated typescript copies of material relating to the reception of the Commission's report, October 1952 - March 1953.

56 Correspondence appearing in *The Times*, *re* the Commission's report, 3-29 October 1952. See 86, 87 below.

Correspondence arising with Chairman of the Eastern Region of the United Nations Association, and resolution of executive committee, objecting to Needham writing to the press in his capacity as a Vice President of the Eastern Regional Council of the Association, November 1952. See 86 below.

57 Parliamentary debates and questions; correspondence arising with J.B. White MP, December 1952 - March 1953. See 67 below.

- 58 Summary booklet of *Report of the International Scientific Commission for the Investigation of the Facts concerning Bacterial Warfare in Korea and China*; manuscript notes etc.
- 59-64 'Distribution'. Contents of Needham's folder so inscribed divided into six for ease of reference: correspondence *re* distribution of the report, including requests for copies, and lists of those to whom the report was to be sent.
- 59-62 Correspondence, July 1952 - February 1953.
- 59 1952 July, September.
- 60 1952 October.
- 61 1952 November.
- 62 1952 December, 1953 January - February.
- 63 Manuscript lists and notes of those requesting the report.
- 64 Typescript lists of those to receive the report.
- 65 'British scientists approached'. Contents of Needham's folder so inscribed: list of and correspondence with other scientists approached by the Chinese authorities to join the Commission.
- Needham was accused of being asked by the Chinese authorities to join the Commission less for his scientific expertise than for his Communist sympathies. Needham was able to show that other British scientists without such political affiliations had been approached by the Chinese but had felt unable to join the Commission. See 55 above.
- 66-74 Contents of Needham's untitled folder divided into nine for ease of reference: papers arising from Commission.
- 66-70 Correspondence, September 1952 - March 1954.

- 66 1952 September - December. Chiefly *re* parliamentary exchange between S.O. Davies MP and A. Nutting MP, Under Secretary of State for Foreign Affairs Includes Needham's letter to Davies, refuting statement made by Nutting in reply to question by Davies.
- 67 1952 December - 1953 March. Correspondence with J.B. White MP, and with Hewlett Johnson, Dean of Canterbury, *re* White's letters; manuscript list of recipients.
- Needham produced duplicated typescript copies of the correspondence for circulation. See 57 above.
- 68 1953 January, February. Includes 'Memorandum by a British scientist...The alleged B.W. incident at Changteh', 25 March 1942, sent to Needham by Foreign Office at his request, and correspondence *re* invitations to speak on biological warfare.
- 69 1953 March - June. Chiefly *re* invitations to speak on biological warfare.
- 70 1953 July - 1954 March.
- 71 Needham's manuscript notes on visit to Emergency Medical Service Training School, Kweiyang, recording his observations on Japanese use of bacteriological warfare.
- From 1942 to 1945 Needham was head of the Sino-British Science Co-operation Office, based in Chungking. He visited many Chinese research establishments and kept the rough notes he made during these visits in a numbered sequence; the notes found here being numbered '153'. The main sequence is to be found at NCUACS 54/3/95, C.57-C.69.
- Needham's manuscript notes on Ishii Shiro, Japanese World War Two expert on bacteriological warfare, said to be involved in alleged US use of bacteriological warfare in Korea.
- 72 Press-cuttings on bacteriological warfare allegations and accusations of Chinese torture of UN POWs.
- 73 *Depositions of Nineteen Captured U.S. Airmen on their Participation in Germ Warfare in Korea, Peking, 1953.*

- 74                      Miscellaneous printed and duplicated typescript material.
- 75-84                  'BW after return    finished'. Contents of Needham's folder so inscribed divided into ten for ease of reference: chiefly invitations and correspondence *re* arrangements for lectures on bacteriological warfare in Korea and China, September 1952 - March 1953.
- 75                      Correspondence, September - October 1952.    Includes letters and telegrams of appreciation for Needham's work on the Scientific Commission.
- 76                      Correspondence, November 1952 - February 1953.
- 77-84                  Invitations to lecture and correspondence *re* arrangements:
- 77                      Central Union of Chinese Students, London, 4 October.  
  
                         Staff of *New Statesman and Nation*, London, 6 October.  
  
                         Association of Scientific Workers, National Institute for Medical Research, London, 13 October.  
  
                         London School of Economics Socialist Society, 15 October.  
  
                         Wembley Peace Council, Wembley, Middlesex, 1 November (declined).
- 78                      Cambridge University ?Socialist Club, 6 or 7 November (declined).  
  
                         Fabian Society Weekend School, Dorking, Surrey, 7-9 November (declined).  
  
                         Birkbeck College London branch Science for Peace, 7 November.  
  
                         University College London biologists, 7 November.  
  
                         Fleet Street Forum, London, 7 November.
- 79                      Association of Scientific Workers Executive Committee, London, 8 November.  
  
                         Students' Union, Reading University, 11 November (declined).  
  
                         Socialist Medical Association, London, 18 November.  
  
                         Britain-China Friendship Association, Cambridge Peace Front etc, Cambridge, 25 November.

- 80 Bristol University Socialist Society, 28 November (declined).  
Cambridge Heretics, 30 November.  
Leeds University Socialist Society, November (declined).  
Congress of Peoples for Peace, Vienna, 12 December (declined).
- 81 Lecture tour of Glasgow, 15 December, Edinburgh, 16 December, Manchester, 17 December and Birmingham, 18 December.
- 82 Association of Scientific Workers London Area, 19 January.  
Socialist Medical Association South West Essex branch, Ilford, 9 February.  
South Place Ethical Society, London, 17 February.  
Queen Mary College London Science for Peace Society, 18 February.
- 83 Association of Scientific Workers North West branch, and Manchester University Socialist Society (declined), 19 February.  
Ipswich Peace Council, 21 February.  
Bristol University Science Faculty Society, February (declined).  
Imperial College London branch Science for Peace, 3 March.
- 84 Invitations to visit France to speak on bacteriological warfare.
- 85-93 'Current'. Contents of Needham's folder so inscribed divided into nine for ease of reference: correspondence and papers *re* reception of the report.
- 85 Cuttings from *Daily Worker*, 22 September 1952, featuring Needham's return to the UK from China, and the work of the Commission; correspondence arising; 10pp duplicated typescript 'A note upon the Chinese allegations that the United States are employing Germ Warfare in Korea and N.E. China' by G. Bing MP, 26 September 1952; Britain-China Friendship Association Newsletter, September.
- 86 Correspondence with United Nations Association and English-Speaking Union *re* findings of Commission and letters to *The Times*, October - November 1952. See 56 above.

- 87 Correspondence, October 1952, chiefly *re* response of Needham and others to letter in *The Times* from Sir Henry Dale and Sir Robert Robinson, Past Presidents of the Royal Society, on the Commission's investigations. Includes drafts of letters of reply to *The Times*.
- 88 Correspondence and papers, November 1952 - February 1953. Includes material *re* response of Science for Peace to Commission's findings, and public meeting in Birmingham, 18 December. See 81 above.
- 89 Needham's manuscript notes on possible replies to criticisms of the Report, etc.
- 90 Press-releases of New China News Agency.
- 91 Press-cuttings and miscellaneous material.
- 92, 93 Background information on spread and control of infectious disease. 2 folders.
- 94-101 'Press cuttings since return'. Contents of Needham's folder so inscribed divided into eight for ease of reference: press-cuttings and press-releases.
- 102-105 Contents of Needham's untitled folder divided into four for ease of reference.
- 102 *Défense de La Paix* 17 (October 1952), with interview with Needham *re* the findings of the Commission; pamphlet *The Communists' New Weapon - Germ Warfare* by J. Clews, London, 1952.
- 103 Correspondence, August 1953 - August 1954, *re* the case of R. Brun, a Swiss scientist criticised by the Swiss press for support of the findings of the Commission; correspondence, 1956, chiefly *re* charges in USA against J.W. and S.C. Powell and J. Schuman, editors of *China Monthly Review*. See 114-121 below.

- 104, 105                      Duplicated typescript 'Documents lent to Science for Peace', 1953. 2 folders.
- 106-112                      'Repatriation Flare-up Nov/Dec 1953'. Contents of Needham's folder so inscribed divided into seven for ease of reference.
- In autumn 1953 the North Koreans, in accordance with the terms of armistice with the UN forces, released POWs. These included the captured US airmen who had given testimonies to their North Korean captors and to the Commission in support of the allegations of bacteriological warfare. On their release they withdrew their testimony, claiming the Communists had placed them under mental and physical duress. This threw doubt on the Commission's Report but Needham insisted that the Commission had not relied on the testimony of the POWs in their case. See 41-45 above.
- 106                              Correspondence, April - October 1953.
- 107                              Correspondence, November 1953. Includes drafts of letters to the press by Needham and others, defending the work of the Commission.
- 108                              Correspondence, December 1953 - March 1954. Chiefly letters to the *New Statesman and Nation*, December 1953.
- 109                              Manuscript notes on speech of Selwyn Lloyd MP, Foreign Secretary, to United Nations, 28 October 1953, attacking the Commission's report; miscellaneous typescript material.
- 110, 111                      Press-releases of New China News Agency. 2 folders.
- 112                              Press-cuttings.
- 113                              Audio-tape cassette of Needham's recollections of the work of the International Commission.

**Powell-Schuman case**

'Powell case'. Contents of Needham's folder so inscribed divided into eight for ease of reference.

J.W. Powell, his wife Sylvia C. Powell and J. Schuman were editors of *China Monthly Review*. In 1956 J.W. Powell was charged with sedition and his wife and J. Schuman of conspiracy. Amongst the seditious material said to have been published in *China Monthly Review* were reports alleging use of bacteriological warfare by the US. Needham was asked to support the defence case by testifying at the trial. He was unable to do so but sent a letter in support and was active in enlisting support for the defendants in the UK. In 1959 the judge declared a mistrial but the prosecution then filed charges of treason. In 1961 all charges were dropped. See also 103 above.

The material is chiefly correspondence and papers *re* the progress of the trial, including circular letters of the Committee of Friends of the China Monthly Review for the Defence of its Editors.

- |     |                                                                                                                                                               |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 114 | 1956 (1). Copy of Indictment.                                                                                                                                 |
| 115 | 1956 (2). Correspondence <i>re</i> enlisting support for the defendants.                                                                                      |
| 116 | 1957 January - May. Includes Needham's manuscript notes of conversation with A.L. Wirin, a lawyer for the defendants, <i>re</i> progress of the trial, 2 May. |
| 117 | Copies of articles by Tibor Meray from newspaper <i>Franc-Tireur</i> , May 1957, <i>re</i> allegations of bacteriological warfare                             |
| 118 | 1957 June - December. Includes material <i>re</i> R. Brun. See 103 above.                                                                                     |
| 119 | 1958, 1959. Includes material <i>re</i> mistrial and new charges of treason.                                                                                  |
| 120 | 1960, 1961, nd. Includes statements by J.W. Powell.                                                                                                           |
| 121 | Press-cuttings and other background information.                                                                                                              |
| 122 | Correspondence <i>re</i> biological warfare research at Dugdale, Utah, 1957.                                                                                  |

**Later CBW material 1962-1989**

**1960s**

- 123 Correspondence 1962, 1963. Includes requests from Hewlett Johnson, Dean of Canterbury for information in preparation for TV programme, and from P.D. Goodstein for discussion on chemical and biological weapons, with Needham's manuscript notes arising.
- 124-127 Correspondence with and *re* S. Buckingham, 1965-1969.  
  
Sue Buckingham was a member of the US organisation Physicians for Social Responsibility gathering material on CBW.
- 124 Correspondence, 1965-1968, and obituary 1969.
- 125-127 Photocopies of articles on CBW sent to Needham by Buckingham. 3 folders.
- 128 Correspondence, 1966-1967. Includes correspondence *re* arrangements for talk on CBW to Cambridge University CND, 9 May 1967.
- 129 Correspondence with British Broadcasting Corporation *re* contribution to 'Horizon' programme on CBW, 1967.  
  
Includes 16pp typescript 'Chemical and bacteriological warfare' prepared by Needham for the programme but not used.
- 130 Correspondence, 1968-1970. Includes invitations to give talks on CBW and material *re* J. D. Bernal Peace Library Conference on Chemical and Biological Warfare, 22-23 February 1968.
- 131 Press-cuttings etc *re* UK CBW research establishment at Porton Down.
- 132 Manuscript notes and printed material *re* possible use of CBW in Vietnam.
- 133-135 Miscellaneous printed background material. 3 folders.

**1970s**

- 136 Material *re* death of Andrea Andreen, 1972. Andreen was chair of the 1952 Scientific Commission.
- 137 Correspondence, 1976-1977.
- 138 Correspondence from J. van Ginneken, 1977-1978, *re* 1952 Commission. Includes 29pp typescript draft 'Bacterial Warfare: was it employed or wasn't it?' by van Ginneken.
- 139 Correspondence, 1978-1979. Includes 39pp typescript of 'Germ Warfare and "Plausible Denial" in the Korean War 1952-53' by S.L. Endicott with invitation to Needham to write a comment to be published with the article in *Modern China*.

**1980s**

- 140 Correspondence, 1980, chiefly with J.W. Powell *re* re-opening of investigations into US and Japanese use of bacteriological warfare.
- 141 Correspondence and papers, 1981, chiefly *re* 'Appeal against an escalating chemical arms race in Europe'.
- 142 Papers by E. Broda, sent to Needham 1981.
- 143 'Jon Halliday material Spring 1984'. Contents of Needham's folder so inscribed: correspondence and photocopies of background material.  
  
Halliday was a researcher studying the work of the 1952 Commission.
- 144 Correspondence, August - September 1984, *re* possible TV programme on the Korean war.
- 145 Correspondence and papers, November - December 1984, *re* BBC TV 'Horizon' programme 'Biology at War: a plague in the Wind', broadcast 29 October. Includes post production script.

- 146 Correspondence and papers, 1985-1986. Chiefly *re* 1952 Commission.
- 147 Correspondence, 1987. Includes correspondence with Imperial War Museum *re* Needham's CBW papers.
- 148 Correspondence, 1988.
- 149 Correspondence, 1989, *re* N.H.K. [Japan Broadcasting Corporation] TV programme on bacteriological warfare, with particular relation to World War Two and the Korean War.
- Needham provided information and was interviewed for the programme.
- 150 Press-cuttings.
- 151-153 Miscellaneous background material. 3 folders.

**Index of correspondents**

|                                                  |                                                            |
|--------------------------------------------------|------------------------------------------------------------|
| ADRIAN, Edgar Douglas, Baron                     | 11                                                         |
| AIREY, Willis                                    | 70                                                         |
| ALEXANDER, William M.                            | 61                                                         |
| ALLARD, A., Baron                                | 76                                                         |
| ALLEY, Rewi                                      | 115, 116, 119                                              |
| ANDREEN, Andrea                                  | 70, 75, 76, 88, 103,<br>106, 107, 115, 116<br>See also 136 |
| APRAHAMIAN, Francis                              | 2, 65, 87, 88, 109                                         |
| ARNOTT, D. G.                                    | 61, 119                                                    |
| ARUP, Jens                                       | 80                                                         |
| ASSOCIATION OF SCIENTIFIC WORKERS                | 79, 81-83                                                  |
| AUSTIN, Warren R.                                | 10                                                         |
| AZZALINI, Aldo F.                                | 70                                                         |
| BAILEY, Sydney D.                                | 59, 60, 76                                                 |
| BALDWIN, Robert L.                               | 60, 61                                                     |
| BARNETT, S. A.                                   | 69                                                         |
| BARRETT, John F.                                 | 59                                                         |
| BENNO SCHWABE & CO.                              | 61                                                         |
| BERNAL, John Desmond                             | 11, 87                                                     |
| BIQUARD, Pierre                                  | 10, 84                                                     |
| BIRMINGHAM UNIVERSITY GUILD OF<br>UNDERGRADUATES | 130                                                        |
| BOUCHER, J. P.                                   | 61                                                         |
| BOURGUIGNON, Georges                             | 84                                                         |
| BOWDEN, Frank Philip                             | 11                                                         |
| BRAY, R. S.                                      | 88                                                         |

|                                                       |                                                      |
|-------------------------------------------------------|------------------------------------------------------|
| BRISTOL UNIVERSITY SCIENCE FACULTY SOCIETY            | 83                                                   |
| BRISTOL UNIVERSITY SOCIALIST SOCIETY                  | 80                                                   |
| BRITAIN-CHINA FRIENDSHIP ASSOCIATION                  | 11, 55, 61, 62, 65, 66, 77-83, 88, 115<br>See also 1 |
| BRITISH BROADCASTING CORPORATION                      | 129, 145                                             |
| <i>BRITISH MEDICAL JOURNAL</i>                        | 66                                                   |
| BRITISH PEACE COMMITTEE                               | 3                                                    |
| BRUN, Rudolf                                          | See 103, 118                                         |
| BRUNT, Martin                                         | 60, 66                                               |
| BRYAN, Derek                                          | 115, 116                                             |
| BRYAN, Hung-Ying                                      | 75                                                   |
| BUCKINGHAM, Sue                                       | 124                                                  |
| <i>BULLETIN OF THE ATOMIC SCIENTISTS</i>              | 60                                                   |
| BURCHETT, Wilfred                                     | 130                                                  |
| BURHOP, Eric Henry Stoneley                           | 128                                                  |
| CADOGAN, Peter W.                                     | 128                                                  |
| CALLARD, Patrick                                      | 60                                                   |
| CAMBRIDGE PEACE FRONT                                 | 3, 41, 75, 79                                        |
| CAMBRIDGE UNIVERSITY CAMPAIGN FOR NUCLEAR DISARMAMENT | 128                                                  |
| CASTLE, William B.                                    | 60                                                   |
| CENTRAL UNION OF CHINESE STUDENTS                     | 77                                                   |
| CHAIN, Sir Ernst (Boris)                              | 60                                                   |
| CHAPMAN, J. M.                                        | 60                                                   |
| CHAPPLE, Alton R. F.                                  | 69, 70                                               |
| CHARLES, Rev. Edward                                  | 130                                                  |
| CHEN Minzheng                                         | 148                                                  |
| CLARK, F. W.                                          | 61                                                   |

|                                   |                                                   |
|-----------------------------------|---------------------------------------------------|
| CLARKE, Dorothy                   | 59                                                |
| CLAYSON, D. H. F.                 | 60                                                |
| CLEWS, J. C.                      | 60                                                |
| COHEN, J. A.                      | 106                                               |
| CROOK, Eric M.                    | 76                                                |
| CRUIKSHANK, M. M.                 | 60, 61, 76                                        |
| <i>DAILY WORKER</i>               | 85                                                |
| DAVIES, Stephen Owen, MP          | 66                                                |
| DAVIS, Forest K.                  | 123                                               |
| DAVIS, Guy                        | 60                                                |
| DONE, E. A.                       | 70                                                |
| DRIBBON, Jack                     | 11, 55, 61, 62, 65,<br>66, 77-83, 88, 103,<br>122 |
| DUCKWORTH, W. L. H.               | 61                                                |
| <i>EASTERN WORLD</i>              | 75                                                |
| ELLIS, J.                         | 60                                                |
| ENDICOTT, Rev. James G.           | 115                                               |
| ENDICOTT, Stephen L.              | 137<br>See also 139                               |
| ENGLISH-SPEAKING UNION            | 86                                                |
| 'ESPINASSE, Paul Gilbert          | 60                                                |
| EVANS, E. S.                      | 60                                                |
| EVANS, Gordon                     | 86                                                |
| EVANS, Rev. Stanley G.            | 115                                               |
| FABIAN SOCIETY                    | 78                                                |
| FEDERATION OF AMERICAN SCIENTISTS | 59                                                |
| FERRY, W. H.                      | 137                                               |
| FISK, Alfred G.                   | 106-108                                           |

|                                 |                     |
|---------------------------------|---------------------|
| FLEAR, Cecil                    | 60                  |
| FOGGITT, C. H.                  | 61                  |
| FOREIGN OFFICE                  | 68                  |
| FREETH, Francis Arthur          | 60, 61              |
| FREMLIN, John Heaver            | 81                  |
| FULLER, Archibald               | 86                  |
| <br>                            |                     |
| GASTER, Jack                    | 144                 |
| GITTINGS, John                  | 137                 |
| GOODSTEIN, Peter D.             | 123                 |
| GORDON, A. Hugh                 | 66, 76, 107         |
| GRANADA TELEVISION LIMITED      | 128                 |
| GREEN, S. W.                    | 41, 75, 79, 108     |
| GREGORY, F. A.                  | 107                 |
| GRUNDFEST, Harry                | 61                  |
| <br>                            |                     |
| HACKETT, David P.               | 60, 61              |
| HALDANE, John Burdon Sanderson  | 85                  |
| HALLIDAY, Jon                   | 143, 146, 148       |
| HAUDRICOURT, André              | 84                  |
| HELE, M. P.                     | 75                  |
| HILL, D. G.                     | 60                  |
| HILL, Marjory                   | 75                  |
| HILLABY, John D.                | 68                  |
| HILTON, Margaret                | 81, 88              |
| HINSHELWOOD, Sir Cyril (Norman) | 11                  |
| HINTON, Howard Everest          | 65                  |
| HIRST, L. Fabian                | 60, 88              |
| HORTH, James R.                 | 60, 61, 76, 82, 106 |
| HOWARD, Evelyn                  | 59                  |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| HUAN Hsiang                                  | 116                             |
| HUMPHREY, John Herbert                       | 13, 61, 70, 77, 87,<br>107, 108 |
| HUMPHREYS, Dorothy                           | 86                              |
| IGARASHI, Kyohei                             | 149                             |
| IMPERIAL COLLEGE LONDON SCIENCE<br>FOR PEACE | 83                              |
| IMPERIAL WAR MUSEUM                          | 60, 61, 147                     |
| JACKSON, F. L.                               | 88                              |
| JEWELL, Peter                                | 61                              |
| JOHNSON, C. G.                               | 65                              |
| JOHNSON, Very Rev. Hewlett                   | 67, 106, 107, 123               |
| JOHNSON, Paul B.                             | 61                              |
| JOLIOT-CURIE, Frédéric                       | 10, 80                          |
| KEAN, J. E.                                  | 76                              |
| KING, Alexander                              | 11                              |
| KIRBY, Diane                                 | 147                             |
| KLEINMAN, Arthur                             | 146                             |
| KRAUS, Frederick W.                          | 60                              |
| KUO Mo-Jo                                    | 11                              |
| <i>LABOUR MONTHLY</i>                        | 119                             |
| LANDMAN, J.                                  | 60                              |
| LAMPARD, M. E.                               | 59                              |
| LATHE, Grant Henry                           | 70                              |
| LEEDS UNIVERSITY SOCIALIST SOCIETY           | 80                              |
| LU Gwei-Djen                                 | 11                              |
| LYNE, L. O., Major-General                   | 86                              |

|                                                        |                          |
|--------------------------------------------------------|--------------------------|
| McDERMOTT, Jeanne                                      | 146                      |
| McFARLANE, A. M.                                       | 61                       |
| MAJID, Kamal                                           | 148                      |
| MALTERRE, Jean                                         | 103, 107, 120            |
| MANCHESTER UNIVERSITY SOCIALIST SOCIETY                | 81, 83                   |
| MANTON, Sidnie Milana                                  | 62                       |
| MARTIN, Kingsley                                       | 10, 77, 115              |
| MASLIN, David                                          | 128                      |
| MEDICAL ASSOCIATION FOR THE PREVENTION<br>OF WAR       | 68, 69                   |
| MELLANBY, Kenneth                                      | 60                       |
| MESTITZ, P.                                            | 60                       |
| MILLER, H.                                             | 60                       |
| MILNE, Alec                                            | 65                       |
| MIRSKY, Jonathan                                       | 146                      |
| MITCHELL, Rt. Rev. Walter                              | 69, 70                   |
| MITCHISON, Denis Anthony                               | 65                       |
| <i>MODERN CHINA</i>                                    | 139                      |
| MOORE, W. Harvey                                       | 60, 61                   |
| MURRELL, Stanley                                       | 78                       |
| NEEDHAM, Dorothy Mary Moyle                            | 11, 12, 62, 75           |
| <i>NEW BLACKFRIARS</i>                                 | 130                      |
| <i>NEW STATESMAN AND NATION</i>                        | 10, 77, 107, 108,<br>115 |
| NEWTH, David Richmond                                  | 107                      |
| <i>NEW WORLD REVIEW</i>                                | 61, 76                   |
| NIPPON HOSO KYOKAI (JAPAN BROADCASTING<br>CORPORATION) | 149                      |
| NORTH AND WEST WILTSHIRE PEACE<br>COMMITTEE            | 69                       |

|                                                                 |                                        |
|-----------------------------------------------------------------|----------------------------------------|
| NOTTINGHAM, Judith                                              | 130                                    |
| OFFORD, Albert Cyril                                            | 78                                     |
| OLIVO, Oliveira                                                 | 103                                    |
| OWEN, Bernard                                                   | 1, 75                                  |
| <i>PEACE NEWS</i>                                               | 66-68, 106                             |
| PESSÔA, Samuel Barnsley                                         | 103, 115, 116<br>See also 19           |
| PFEIFFER, E. W.                                                 | 122                                    |
| PIRIE, Norman Wingate ('Bill')                                  | 65, 69, 106, 107                       |
| POWELL, John W.                                                 | 137, 140, 148<br>See also 103, 114-122 |
| PRATT, Sir John (Thomas)                                        | 10, 76, 88                             |
| PRICE, R. F.                                                    | 62                                     |
| PRITT, D. N.                                                    | 87, 115                                |
| PROGRESSIVE BUSINESS MEN'S FORUM                                | 66, 68, 106                            |
| PURCELL, Victor                                                 | 11, 88, 108                            |
| QUEEN MARY COLLEGE SCIENCE FOR PEACE SOCIETY                    | 82                                     |
| RAJCHMAN, Ludwik                                                | 84                                     |
| READING CO-ORDINATING COMMITTEE FOR INTERNATIONAL UNDERSTANDING | 130                                    |
| REID, Charles                                                   | 76, 87                                 |
| RITCHIE-CALDER, Peter Ritchie, Baron                            | 78                                     |
| ROBERTS, Jacob D.                                               | 60                                     |
| RODGERS, William Thomas, Baron                                  | 78                                     |
| ROOSEBOOM, Maria                                                | 108                                    |
| ROSE, Steven P. R.                                              | 141                                    |

|                               |                                |
|-------------------------------|--------------------------------|
| ROSS, D. M.                   | 78, 108                        |
| ROYAL SOCIETY                 | 61, 76                         |
| ROYAL SOCIETY OF MEDICINE     | 61                             |
| RUSSELL, Dora Winifred, Lady  | 145                            |
| RYLE, Anthony                 | 60, 68, 69                     |
| SACKLEY, Ralph R.             | 61                             |
| SAVILLE, John                 | 147                            |
| SCIENCE FOR PEACE             | 2, 66, 75, 76, 88,<br>107, 108 |
| <i>SCIENCE JOURNAL</i>        | 132                            |
| SELIGMAN, G.                  | 60                             |
| SHEN Chih-I.                  | 36                             |
| SIMMONS, Robert               | 130                            |
| SMITH, Sydney                 | 75                             |
| SOCIALIST MEDICAL ASSOCIATION | 79, 82                         |
| SOKHEY, Sir Sahib Singh       | 10, 11                         |
| SOUTH PLACE ETHICAL SOCIETY   | 82                             |
| STEVENS, C. C.                | 60                             |
| THORPE, William Homan         | 11, 13                         |
| <i>THE TIMES</i>              | 86, 87, 106, 107               |
| TOWNSEND, Peter               | 137                            |
| TRAUB, E.                     | 59                             |
| TSIEN San-Tsiang              | 10, 11                         |
| TSUNEISHI, Kei-ichi           | 139, 148                       |
| TUNSTALL, Julian              | 75                             |
| TVEIT, Martin                 | 61                             |
| UNITED NATIONS ASSOCIATION    | 62, 86                         |

|                                                       |                   |
|-------------------------------------------------------|-------------------|
| VAN GINNEKEN, Jaap                                    | 138               |
| VAN HEYNINGEN, William Edward ('Kits')                | 10, 65            |
| VAN NESS, Peter                                       | 139               |
| WALKER, Doris Brin                                    | 115, 116, 118-120 |
| WARREN, Susan                                         | 61                |
| WEMBLEY PEACE COUNCIL                                 | 77                |
| WHITAKER, Ian                                         | 60                |
| WHITE, John Baker, MP                                 | 67                |
| WIGGLESWORTH, Sir Vincent (Brian)                     | 10, 11, 88        |
| WILKINS, Maurice Hugh Frederick                       | 131               |
| WINT, Guy                                             | 11                |
| WOMEN'S INTERNATIONAL LEAGUE FOR PEACE<br>AND FREEDOM | 130               |
| WOOSTER, W. A. ('Peter')                              | 75, 79            |
| WORLD COUNCIL OF PEACE                                | 60, 61, 75        |
| WU Lien-Teh                                           | 103               |
| YOUNG, Amicia Melland                                 | 76                |
| YOUNG, Sir Frank (George)                             | 11                |
| YUDKIN, Simon                                         | 69                |