

Catalogue of the papers and correspondence of

**Muhammad Abdus Salam KBE FRS**

(1926-1996)

Volume 5

Section K: Third World and development

Section L: Science and the Arabic and Islamic world

Section M: Pakistan

Section N: Private correspondence and invitations

Section O: References and recommendations

by Lizzie Richmond, Paul Newman and Peter Harper  
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**SECTION K**

**THIRD WORLD AND DEVELOPMENT**

**K.1-K.660**

In 'Diseases of the Rich and Diseases of the Poor' published in the *Bulletin of the Atomic Scientists* **XIX (4)** 1963, Salam wrote of the divide between the rich nations of the North and the poor nations of the South and suggested that the key to achieving a greater degree of balance lay in scientific and technological development. Throughout his life Salam worked to heighten awareness of Third World problems and bring about science-related progress in developing countries. The foundation of the International Centre of Theoretical Physics, where Third World scientists could contribute to current research, was a major part of this work. (See Section D.) After 1979 Salam used the prestige and fame of his Nobel Prize to bring his ideas to the attention of wider and more influential audiences. Many of Salam's arguments were published in a collection of his essays on various development topics entitled *Ideals and Realities*. (See Section E.) Salam also worked through a number of international and United Nations organisations to create opportunities for regular scientific collaboration and interaction between Third World scientists and their northern counterparts. (See Sections G and H.)

This section contains material relating to Salam's involvement with several bodies and institutions whose work was overwhelmingly developmental in character. Some, such as Food and Disarmament International and the International Commission on Peace and Food, are broad-ranging in their scope and activities while others are more closely connected to science and the scientific community. Salam's work as president of the Third World Academy of Sciences and founder of the Fund for Physics is also documented in this section.

K.1-K.8      FOOD AND DISARMAMENT INTERNATIONAL

K.9-K.100      FUND FOR PHYSICS (IN DEVELOPING COUNTRIES)

K.101-K.119      INTERNATIONAL COMMISSION ON PEACE AND  
FOOD (ICPF)

K.120-K.157      INTERNATIONAL FOUNDATION FOR SCIENCE (IFS)

K.158      'SCIENTISTS FOR HUMAN DEVELOPMENT'

K.159-K.280      SOUTH COMMISSION



**Third World and development**

- K.281-K.580    THIRD WORLD ACADEMY OF SCIENCES (TWAS)
- K.581, K.582    THIRD WORLD FORUM
- K.583-K.594    THIRD WORLD FOUNDATION FOR SOCIAL AND  
ECONOMIC STUDIES
- K.595-K.617    WORLD LABORATORY
- K.618-K.629    MISCELLANEOUS
- K.630-K.660    APPENDIX

**Third World and development**

**K.1-K.8                      FOOD AND DISARMAMENT INTERNATIONAL                      1981-1990**

K.1-K.8                      Correspondence and papers.  
  
Principally circulars and background material sent to Salam for information.  
  
Eight folders.

**K.9-K.100                      FUND FOR PHYSICS (IN DEVELOPING COUNTRIES)                      1979-1993**

In 1979 Salam suggested to the Government of Pakistan that a fund for Pakistani students wishing to study abroad be established. He offered to donate his \$66000 Nobel Prize to the scheme on the condition that the government contribute a further \$1 million. When they failed to do so Salam decided to set up an independent fund for students in all developing countries instead.

See also K.630-K.643.

K.9-K.65                      Correspondence and papers

K.66-K.100                      Accounts

**K.9-K.65                      Correspondence and papers                      1979-1993**

K.9-K.60                      Correspondence and papers *re* the allocation of Fund for Physics grants consisting principally of requests for financial assistance from students based in Pakistan and other Third World countries, 1979-1993.

See also K.66-K.100.

K.9                              1979.

K.10                             1980, 1981.

K.11                             1982.



**Third World and development**

K.12	1983.
K.13	1984.
K.14	1985.
K.15	1986.
K.16, K.17	1987. Two folders.
K.18-K.22	1988. Five folders.
K.23-K.30	1989. Eight folders.
K.31-K.38	1990. Eight folders.
K.39-K.47	1991. Nine folders.
K.48-K.55	1992. Eight folders.
K.56-K.60	1993. Five folders.

**Third World and development**

K.61-K.65                      Correspondence with A. H. S. Haq of Durban, South Africa, 1987-1992.  
  
Five folders.

**K.66-K.100                      Accounts    1980-1990**

K.66-K.100                      Papers and correspondence *re* the management and administration of Fund  
for Physics financial grants.  
  
See also K.9-K.65.

K.66                                      1980, 1981.

K.67                                      1983.

K.68, K.69                              1984.  
  
Two folders.

K.70, K.71                              1985.  
  
Two folders.

K.72, K.73                              1986.  
  
Two folders.

K.74-K.80                              1987.  
  
Seven folders.

K.81-K.86                              1988.  
  
Six folders,



**Third World and development**

K.87-K.93                      1989.  
  
Seven folders.

K.94-K.100                    1990.  
  
Seven folders.

**K.101-K.119                    INTERNATIONAL COMMISSION ON PEACE                    1988-1994  
AND FOOD (ICPF)**

The International Commission on Peace and Food was founded to enhance global co-operation on food and environmental issues as a means to foster and promote world peace and disarmament.

Salam was a founder member and ICTP hosted the Commission's first meeting in October 1989.

K.101-K.119                    Correspondence and papers.  
  
Principally reports and conference material sent to Salam for information.

K.101                              1988.

K.102                              1989.

K.103, K.104                    1990.  
  
Two folders.

K.105-K.107                    1991.  
  
Three folders.

K.108-K.112                    1992.  
  
Five folders.

**Third World and development**

K.113-K.117                      1993.  
  
Five folders.

K.118, K.119                    1994.  
  
Two folders.

**K.120-K.157                    INTERNATIONAL FOUNDATION FOR                    1969-1975, 1980-1983**  
**SCIENCE (IFS)**

The International Foundation for Science was established in 1972 to promote scientific research in developing countries. Its secretariat was located in Stockholm, Sweden.

Salam served on the Continuing Committee and was Vice-Chairman of the IFS Working Group.

K.120-K.157                    Correspondence and papers.  
  
Principally background material sent to Salam for information. Includes material *re* the establishment and constitution of IFS.

K.120                              1969.

K.121-K.126                    1970.  
  
Six folders.

K.127-K.133                    1971.  
  
Seven folders.

K.134-K.136                    1972.  
  
Three folders.



**Third World and development**

K.137-K.144            1973.  
Eight folders.

K.145-K.148            1974.  
Four folders.

K.149-K.155            1975.  
Seven folders.

K.156                    1980, 1981.

K.157                    1982, 1983.

**K.158                    'SCIENTISTS FOR HUMAN DEVELOPMENT'                    1970-1971**

K.158                    'Scientists for Human Development'. Contents of folder so inscribed.  
  
2pp typescript text by C. Snow, Abdus Salam and A. Buzzati-Traverso with covering correspondence *re* the establishment of a world-wide movement to promote science and its applications as instruments of development in the Third World.

### Third World and development

K.159-K.280

#### SOUTH COMMISSION

1987-1996

The South Commission, set up in September 1986 under the chairmanship of J. Nyerere, ex-President of Tanzania, was an independent international body formed from and by the under developed nations of the South to analyse the major economic, social and political problems confronting the Third World. The Commission was to devise a strategy and set up policy and action oriented proposals according to its findings.

The Commission's mandate expired on 31 October 1990. At its tenth and final meeting held in Arusha, Tanzania on 7 October 1990, the South Centre was established to implement the recommendations contained in the Commission's final report. Based in Geneva, Switzerland, the South Centre became a permanent inter-governmental organisation in 1995.

Salam was a member from the Commission's inception. He also chaired the Working Party on Science and Technology which met in Trieste, Italy, in November 1988. His report, commonly referred to as 'The Red Book', was published under the title 'Notes on Science, Technology and Science Education in the Development of the South'.

See also E.491-E.598.

K.159-K.206	Correspondence and papers
K.207-K.233	Meetings and visits
K.234-K.258	Working Party on Science and Technology
K.259-K.280	<i>South Letter</i>

K.159-K.206

#### Correspondence and papers

1987-1996

K.159-K.206      Papers with some correspondence *re* the Commission's composition, objectives and activities.

K.159-K.164

1987.

Six folders.

K.165-K.173

1988.

Nine folders.



### Third World and development

K.174-K.180

1989.

Seven folders.

K.181-K.194

1990.

Fourteen Folders.

K.195, K.196

1991.

Two folders.

K.197-K.199

1992.

Three folders.

K.200, K.201

1993.

Two folders.

K.202-K.204

1994.

Three folders.

K.205

1995.

K.206

1996.

K.207-K.233

## Meetings and visits

1988-1990

K.207-K.209

Visit to Caracas, Venezuela, at the invitation of President Carlos Andrés Pérez, 1-4 August 1988.

K.207

44pp typescript address given by Salam on the 70th Anniversary of the Foundation of the Venezuelan Academy of Physical, Mathematical and Natural Sciences.

**Third World and development**

- K.208 Correspondence *re* arrangements.
- K.209 Letters of thanks and correspondence arising.
- K.210-K.220 Third Meeting of the South Commission, Cocoyoc, Mexico, 5-8 August 1988.  
See also E.491-E.494, F.225-F.229, J.555-J.558.
- K.210, K.211 Correspondence *re* arrangements.
- K.212-K.218 Drafts and correspondence *re* papers presented.  
Seven folders.
- K.219, K.220 Correspondence and papers arising.  
Two folders.
- K.221 Letters of invitation to members of the Commission to visit the Third World Academy of Sciences, 3 October 1988, and correspondence arising.
- K.222, K.223 Fourth Meeting of the South Commission, Kuwait, 10-12 December 1988.
- K.222 Correspondence and papers *re* arrangements.
- K.223 Correspondence and papers arising.
- K.224-K.227 Inauguration ceremonies of President Carlos Andrés Pérez, Caracas, Venezuela, 2 February 1989.  
Salam attended at the invitation of the President.
- K.224, K.225 Correspondence and papers *re* arrangements.  
Two folders.



**Third World and development**

- K.226, K.227      Letters of thanks and correspondence arising.  
Two folders.
- K.228, K.229      Fifth Meeting of the South Commission, Maputo, Mozambique, 27-30 May 1989.
- K.228      Correspondence and papers *re* arrangements.
- K.229      Letters of thanks and correspondence arising.
- K.230      Visit to Harare, Zimbabwe, 30-31 May 1989.  
Correspondence *re* arrangements.
- K.231      Sixth Meeting of the South Commission, New Delhi, India, 11-14 November 1989.  
Salam was not able to attend.  
Correspondence and papers *re* arrangements.
- K.232, K.233      Seventh Meeting of the South Commission, Nicosia, Cyprus, 4-8 May 1990.
- K.232      Correspondence *re* arrangements.
- K.233      Correspondence arising.
- K.234-K.258      Working Party on Science and Technology      1988**
- K.234-K.238      Meeting of the Working Party on Science and Technology, Trieste, Italy, 24-26 November 1988.
- K.234      Correspondence and papers *re* arrangements.

**Third World and development**

- K.235-K.238      Drafts, background material and correspondence *re* papers presented.  
Four folders.
- K.239              Correspondence and papers *re* the Working Party's final report.
- K.240-K.246      Draft papers *re* the Working Party's final report.
- K.240              13pp typescript entitled 'Science and Technology Policies in the Industrialization of a Developing Country - Korean Approaches' by H. S. Choi, n.d. latest bibliographical reference 1987.
- K.241              39pp typescript draft entitled 'Notes on Science and Technology in the Development of the South' by Abdus Salam, 28 June 1988.
- K.242              18pp typescript entitled 'Science and Technology - Impact on Economic Development and International Economic Relations' by A. Papic, June 1988.
- K.243              37pp typescript draft entitled 'Science and Technology for Sustainable Development' by P. Bifani, June 1988.
- K.244              29pp typescript untitled draft *re* science and development by L. C. Jain with covering correspondence, October 1988.
- K.245              6pp typescript text *re* science and technology by D. Jain for consideration by Salam, October 1988.
- K.246              4pp typescript comments by S. Collas-Monsod on 'Notes on Science High Technology and Science Education in the Development of the South' by Abdus Salam with covering letter, October 1988.
- K.247, K.248      85pp typescript entitled 'Development - South Style' by D. Jain, October 1988.  
Two folders.



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- K.249 7pp typescript comments by T. G. Ghazali Ghafie on 'Notes on Science High Technology and Science Education in the Development of the South' by Abdus Salam with covering correspondence, October 1988.
- K.250 4pp typescript draft (with amendments) entitled 'The South and the Challenge and Promise of Science and Technology' November 1988.
- K.251 4pp typescript draft (with amendments) entitled 'Elements for a Preliminary Statement by the South Commission on the Subject of Science and Technology', November 1988.
- K.252 10pp typescript entitled 'The Role of Science and Technology in the Energy Paths Open to Developing Countries' by J. Goldemberg, n.d. latest bibliographical reference 1988.
- K.253 2pp typescript entitled 'Global Trends in Science and Technology', n.d.
- K.254 8pp typescript (annotated) entitled 'Working Party on Science and Technology. Summary of the Discussion and Issues for Further Discussion', n.d.
- K.255 3pp typescript (annotated) entitled 'Issues for Further Discussion with a View to Incorporation in the Final Report', n.d.
- K.256 2pp list of contents *re* a paper entitled 'Linking Vienna with Villages: Recruiting a Part of Science and Technology for Development' by L. C. Jain, n.d.
- K.257 8pp typescript entitled 'Technology and the Future of Europe' by H. Curien, n.d.
- K.258 12pp typescript entitled 'The Key to World Domination' by K. Mendelssohn, n.d.

### Third World and development

K.259-K.280

*South Letter*

1989-1995

The *South Letter* was published at regular intervals initially by the secretariat of the South Commission and subsequently by the South Centre. It aimed to draw world attention to issues concerning the developing world and bring the work of the South Commission to public notice.

Issue Number 11 is not present.

K.259

Number 1, April 1989.

K.260

Number 2, June 1989.

K.261

Number 3, August 1989.

K.262

Number 4, October 1989.

K.263

Number 5, December 1989.

K.264

Number 6, February 1990.

K.265

Number 7, September 1990.

K.266

Number 8, October 1990.

K.267

Numbers 9 and 10, June 1991.

K.268

Number 12, December 1991.

K.269

Number 13, Spring 1992.



**Third World and development**

- |       |                                |
|-------|--------------------------------|
| K.270 | Number 14, Summer 1992.        |
| K.271 | Number 15, Autumn 1992.        |
| K.272 | Number 16, Winter 1992-1993.   |
| K.273 | Number 17, Spring/Summer 1993. |
| K.274 | Number 18, Autumn 1993.        |
| K.275 | Number 19, Winter/Spring 1994. |
| K.276 | Number 20, Summer 1994.        |
| K.277 | Number 21, Autumn/Winter 1994. |
| K.278 | Number 22, Winter/Spring 1995. |
| K.279 | Number 23, Summer 1995.        |
| K.280 | Number 24, Autumn/Winter 1995. |

### Third World and development

K.281-K.580

#### THIRD WORLD ACADEMY OF SCIENCES (TWAS)

1986-1995

The idea for creating the Third World Academy of Sciences was first conceived at a meeting of the Pontificia Academia Scientiarum in October 1981 by members from developing countries. At a foundation meeting held in Trieste, Italy, in November 1983, Salam was elected president and it was decided that the Academy should be based at the International Centre for Theoretical Physics. TWAS was officially inaugurated by the Secretary-General of the United Nations, J. Perez de Cuellar, at the First General Conference on South-South Co-operation in Sciences and was granted formal NGO status by the United Nations in 1985.

The Third World Academy of Sciences received the financial backing of the Italian government and the Canadian International Development Agency. It aimed to enhance the health of science in Third World nations, giving recognition and support to scientific research carried out in developing countries and facilitating mutually beneficial collaboration between scientists. It awarded financial aid to young Third World scientists and contributed to the establishment of Third World scientific libraries. TWAS also worked to promote North-South interaction and provided grants for Third World scientists to visit Italian laboratories.

By 1987 the Academy comprised 140 members from forty-two Third World nations. A council, elected by members every two years, was responsible for supervising all TWAS activities. A small secretariat assisted the Council in the administration and co-ordination of TWAS research and training programmes.

Salam continued as president until June 1994 when he was forced to step down owing to his declining health. He was immediately elected honorary president for life.

K.281-K.542	Correspondence and papers
K.543-K.553	Drought Desertification and Food Deficit (DDFD) Project
K.554-K.557	African Academy of Sciences (AAS)
K.558-K.580	Third World Network of Scientific Organisations (TWNSO)



**Third World and development**

**K.281-K.542**

**Correspondence and papers**

**1985-1995**

The material presented here consists principally of administrative correspondence *re* funding, membership, prizes and research programmes, and committee and conference papers. It includes a large amount of material passed to Salam for information by the TWAS Executive Secretary, M. H. A. Hassan.

K.281, K.282

Correspondence and papers, 1985.

Includes papers *re* the first meeting of the TWAS Committee, 19 September 1985.

Two folders.

K.283-K.304

Correspondence and papers, 1986.

Includes summary of a South-South Co-operation Meeting, Trieste, Italy, 25-26 October 1986, and minutes of a TWAS Administrative Committee Meeting, 13 December 1986.

Twenty-two folders.

K.305-K.329

Correspondence and papers, 1987.

Includes correspondence *re* the establishment of the Third World Association for Remote Sensing (TWARS), March 1987, minutes of a TWAS Administrative Committee Meeting, 5 April 1987, papers *re* a TWAS General Conference, Beijing, China, 14-18 September 1987, and papers *re* a collaboration agreement between TWAS and ICTP, October 1987.

Twenty-five folders.

K.330-K.368

Correspondence and papers, 1988.

Includes minutes of a TWAS Research Grants Committee Meeting, 12 February 1988, papers *re* the ICSU-TWAS lectureship programme, March 1988, correspondence *re* a TWAS Conference on The Role of Women in the Development of Science and Technology in the Third World, Trieste, Italy, 3-7 October 1988, and minutes of a TWAS Research Grants Committee Meeting, 12-13 December 1988.

Thirty-nine folders.

### Third World and development

K.369-K.407

Correspondence and papers, 1989.

Includes papers *re* the Inaugural Meeting of the UK (Commonwealth) Network Chapter of the Third World Network of Scientific Organizations (TWNSO) London, 11 August 1989, papers *re* a TWAS General Conference, Bogotá, Colombia, 16-20 October 1989, and papers *re* an international conference on Desert Environments, Trieste, Italy, 6-8 November 1989.

Thirty-nine folders.

K.408-K.450

Correspondence and papers, 1990.

Includes 10pp typescript entitled 'Building Up Scientific Capacity in the South' by M. H. A. Hassan, September 1990, and papers *re* a TWAS General Conference, Caracas, Venezuela, 15-19 October 1990.

Forty-three folders.

K.451-K.482

Correspondence and papers, 1991.

Thirty-two folders.

K.483-K.506

Correspondence and papers, 1992.

Includes UNESCO paper entitled 'Memorandum on Possible New Arrangements for TWAS', January 1992, and papers *re* a TWAS General Conference, Kuwait, 23-26 November 1992.

Twenty-four folders.

K.507-K.525

Correspondence and papers, 1993.

Includes minutes of a TWAS Council Meeting, Kuwait, 21 November 1992, and papers *re* a TWAS General Conference and Tenth Anniversary Celebrations, Trieste, Italy, 1-4 November 1993.

Nineteen folders.

K.526-K.539

Correspondence and papers, 1994.

Includes letters expressing regret at Salam's resignation of the presidency of TWAS, June 1994 and minutes of a TWAS Council Meeting, Islamabad, Pakistan, 1 October 1994.

Fourteen folders.



### Third World and development

- K.540-K.542      Correspondence and papers, 1995.
- Includes minutes of a TWAS Council Meeting, Trieste, Italy, 27 January 1995.
- Three folders.
- 
- K.543-K.553      Drought Desertification and Food Deficit (DDFD) Project      1985-1986**
- As part of its aims to promote science in Third World countries TWAS was involved in an international initiative to solve the problems of drought, desertification and food deficit in southern African and particularly in the Sahelian and Sudanian zones south of the Sahara. A small group of scientists from different fields was assembled to tackle the multidisciplinary aspects of the DDFD project. Salam who participated in the project from its outset was a member of this group.
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- K.543-K.552      Correspondence and papers, 1985-1986.
- Ten folders.
- 
- K.553      Two typescript versions, 11pp and 8pp, of opening remarks given by Salam at a TWAS Meeting on Drought Desertification and Food Deficit in Africa, Trieste, Italy, 9 December 1985.
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- K.554-K.557      African Academy of Sciences (AAS)      1985-1989**
- The idea of forming the African Academy of Sciences was first conceived at the inaugural meeting of TWAS in July 1985. At the foundation meeting of AAS, which took place in the following December, T. R. Odhiambo was elected president. Based in Nairobi, Kenya, the Academy worked to unite African scientists for the strengthening and widening of research opportunities and for the development of Africa.
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- K.554-K.557      Correspondence and papers.
- Principally *re* the inauguration and administration of the Academy and its relations with TWAS.
- Four folders.

**Third World and development**

<b>K.558-K.580</b>	<b>Third World Network of Scientific Organisations (TWNSO) 1989-1993</b>
	<p>One of the main recommendations of the Second TWAS General Conference held in Beijing, China, in September 1987, was the creation of a network of scientific organisations in developing countries. It was proposed that a federation be established with its headquarters in Trieste, Italy, and with subsidiary offices in Asia, Africa, the Middle East and South America. In 1988 the Third World Network of Scientific Organisations (TWNSO), a non-governmental alliance of over 140 scientific organisations in the South was founded. It aimed to assist in building political and scientific leadership in the South and to promote development through collaboration in the fields of science and technology.</p> <p>TWAS provided the secretariat work for TWNSO and sponsored a number of its activities.</p>
K.558-K.577	Correspondence and papers, 1989-1993.
K.558, K.559	1989.  Two folders.
K.560-K.563	1990.  Four folders.
K.564-K.567	1991.  Four folders.
K.568-K.576	1992.  Nine folders.
K.577	1993.
K.578-K.580	Correspondence with C. Ponnampерума, Secretary-General, Council of TWNSO and Scientific and Technical Advisor to the President of Sri Lanka, 1991-1992.  Three folders.



**Third World and development**

<b>K.581, K.582</b>	<b>THIRD WORLD FORUM</b>	<b>1982-1985</b>
	Salam was a member of the steering committee of the Third World Forum South-South Co-operation Programme initiated in December 1992. He also chaired a working group on science and technology.	
K.581, K.582	Correspondence and papers.  Principally <i>re</i> meetings.  Two folders.	
<b>K.583-K.594</b>	<b>THIRD WORLD FOUNDATION FOR SOCIAL AND ECONOMIC STUDIES</b>	<b>1979-1988</b>
	Salam served on the Editorial Advisory Committee of <i>Third World Affairs</i> , the annual Third World Foundation for Social and Economic Studies publication, from 1985.	
K.583-K.594	Correspondence and papers.  Includes two copies of a transcript (annotated) of an interview given by Salam for publication in <i>South</i> , July 1981, and two copies of a nomination of Salam for the Third World Foundation Award, 1983.  Twelve folders.	
<b>K.595-K.617</b>	<b>WORLD LABORATORY</b>	<b>1985-1995</b>
K.595-K.601	Correspondence and papers, 1986-1995.  Principally <i>re</i> the establishment, in 1989, and administration of a branch of the International Centre for Scientific Culture World Laboratory at ICTP, Trieste, Italy, to monitor World Laboratory projects in middle Europe.  Seven folders.	

**Third World and development**

- K.602-K.613      Correspondence and papers.
- Principally *re* the establishment and administration of an International Centre for Scientific Culture World Laboratory project in Pakistan.
- Twelve folders.
- K.614-K.617      Correspondence *re* A. Zichichi, President of the World Laboratory, 1985-1989.
- Four folders.
- K.618-K.629      MISCELLANEOUS      1965-1986**
- K.618      73pp typescript entitled 'Science in the Arab Middle East' by A. B. Zahlan, n.d. latest bibliographical reference 1965.
- K.619      16pp typescript entitled 'Science and Backward Countries' by A. B. Zahlan, n.d. latest bibliographical reference 1965.
- K.620      'Advanced Scientific Research in Developed Countries' by Abdus Salam, *Rockefeller University Review*, September-October 1966.
- K.621      Conference on Science and Technology in Developing Countries, Beirut, Lebanon, 27 November-2 December 1967.
- 68pp typescript of conference proceedings.
- K.622      Conference on the International Migration of Professional and Technical Skill with Special Reference to Less Developed Countries, UK, 16-19 February 1968.
- Correspondence and papers *re* arrangements and background material.



**Third World and development**

- K.623-K.625      Nobel Foundation Workshop on Institutions for Development: Contacts, Co-operation and Collaboration, Bellagio, Italy, 11-16 October 1971.
- Correspondence and papers *re* arrangements and background material.
- Three folders.
- K.626      10pp typescript draft entitled 'International Centre for Theoretical Physics and Physics in Developing Countries' by Abdus Salam with amendments and comments by J. Ziman, 1976.
- K.627      Two copies 19pp typescript entitled 'On Arab Scientific and Technological Development', with covering correspondence from A. R. Kaddoura, Assistant Director-General for Science, UNESCO, 1982.
- K.628      10pp typescript notes entitled 'The Growth of Scientific and Technical Knowledge in the Third World' for a speech by Sir Crispin Tickell to the Parliamentary and Scientific Committee, House of Commons, London, 26 November 1986.
- K.629      Notes *re* 'some typical bilateral institutional links between developing and advanced countries', n.d.

**Third World and development**

**K.630-K.643**

**APPENDIX**

**1994-2000**

This sub-section contains a small amount of material relating to Salam's efforts to improve the position and opportunities of young scientists working in Third World countries that was received from ICTP after the main cataloguing work of the section was complete.

K.630-K.643      Fund for Physics

K.644-K.660      Nobel Talent Fund Prizes

**K.630-K.643**

**Fund for Physics**

**1994-2000**

See also K.9-K.100.

K.630-K.639

Correspondence and papers *re* the allocation of Fund for Physics grants consisting principally of requests for financial assistance from students based in Pakistan and other Third World countries, 1994-1997.

K.630-K.632

1994.

Three folders.

K.633-K.635

1995.

Three folders.

K.636-K.638

1996.

Three folders.

K.639

1997.



**Third World and development**

K.640-K.643      Payment orders and financial correspondence, 1994-2000.

K.640      1994.

K.641      1995.

K.642      1996.

K.643      1997-2000.

**K.644-K.660      Nobel Talent Fund Prizes      1988-1997**

Salam established several annual prizes for science in various Third World countries using money from the Nobel Talent Fund set up with his Nobel Prize money.

See also L.43, M.335-M.340.

K.644      4pp typescript list of Nobel Talent Fund prizes and their recipients, nd ca 1992.

K.645-K.660      Correspondence and papers *re* the institution of the Nobel Talent Prizes (sometimes referred to as 'Abdus Salam Prizes'), the appointment of selection committees and the administration of the awards, 1988-1997.

The original order of the material, sorted alphabetically by country, has been preserved.

K.645-K.648      Egypt, 1988-1997.

Four folders.

K.649, K.650      India, 1989-1994.

Two folders.

**Third World and development**

- |              |  |
|--------------|--|
| K.651-K.654  | Iran, 1989-1993.<br><br>Four folders.                |
| K.655, K.656 | Morocco, 1988-1994.<br><br>Two folders.              |
| K.657        | Turkey, 1990.  |
| K.658-K.660  | West Bank and Gaza, 1989-1995.<br><br>Three folders. |



**SECTION L**

**SCIENCE AND THE ARABIC AND ISLAMIC  
WORLD**

**L.1-L.74**

Salam and his family belonged to the Ahmadiyya sect of Islam regarded by many orthodox Muslims as heretical because of their belief that the nineteenth-century founder of the sect, Mirza Ghulam Ahmad, was the Mahdi, the rightful successor of Muhammad. Salam was deeply religious and felt strongly that science and religion were complementary rather than contradictory. He believed that the pursuit of knowledge was a spiritual exercise as well as a scientific one. He also believed that the search for understanding and scientific discovery should be used to the benefit of humanity and it was this conviction that lay behind much of his Third World development work. He encouraged the study of a common Islamic cultural heritage and argued for a return to the spirit of free enquiry that had given rise to pioneering Arabic scientists in the past. He never allowed the difficulties his religious beliefs caused in his relations with Pakistan to influence his loyalties to his homeland or the Islamic world. Salam is buried in Rabwah, Pakistan, the traditional centre of the Ahmadiyya community. The last prayers for him were attended by 35 000 people.

Salam's interests and activities concerning science and Islam are documented in this small section.

L.1-L.26      SOCIETIES AND ORGANISATIONS

L.27-L.41      CONFERENCES

L.42, L.43      AWARDS

L.44-L.62      PUBLICATIONS

L.63-L.74      MISCELLANEOUS

## Science and the Arabic and Islamic world

L.1-L.26	SOCIETIES AND ORGANISATIONS	1961-1993
L.1-L.3	Arab Physical Society	
L.4	Foundation for Science and Civilization in the Arab World	
L.5-L.7	Islamic Science Foundation	
L.8	League of Arab States	
L.9-L.26	Ummat-ul-Ilm	
<b>L.1-L.3</b>	<b>Arab Physical Society</b>	<b>ca 1974-1978</b>
L.1	Constitution and background material, ca 1974.	
L.2	<i>Al-physica</i> , Bulletin of the Arab Physical Society and the Arab Institute for Development, July 1975.	
L.3	<i>Al-physica</i> , Bulletin of the Arab Physical Society and the Arab Institute for Development, October 1978.	
<b>L.4</b>	<b>Foundation for Science and Civilization in the Arab and Islamic World</b>	<b>1982-1983</b>
	Salam served as chairman of the Board of Trustees.	
L.4	Correspondence and papers.	
	Includes minutes of the first meeting of the Board of Trustees of the Foundation for Science and Civilization in the Arab and Islamic World, Putney, London, UK, 20 June 1982.	



**Science and the Arabic and Islamic world**

<b>L.5-L.7</b>	<b>Islamic Science Foundation</b>	<b>1973-1981</b>
L.5-L.7	Correspondence and papers <i>re</i> proposals initiated by Salam to create a formal alliance of Islamic countries with the objective of promoting science and technology at an advanced level.  Three folders.	
<b>L.8</b>	<b>League of Arab States</b>	<b>1969</b>
L.8	Correspondence and papers <i>re</i> proposals to counter brain drain and promote scientific learning in the Arab world submitted to the Arab League by Salam.	
<b>L.9-L.26</b>	<b>Ummat-ul-Ilm</b>	<b>1980-1981</b>
	Ummat-ul-Ilm was the name given to a private association of Muslim scientists who first met at ICTP, Trieste, Italy, in September 1980. The main purpose of the group was to facilitate contact and collaboration between leading Muslim scientists and to provide an opportunity for reflection on problems facing the Islamic world.	
L.9-L.12	First meeting of Ummat-ul-Ilm, 16-17 September 1980, Trieste, Italy.	
L.9	Correspondence <i>re</i> arrangements.	
L.10	Draft notes and programme.	
L.11	Lists of those invited to attend and of participants.	
L.12	Background material.	
L.13-L.18	Second meeting of Ummat-ul-Ilm, 28 September 1980, Vienna, Austria.	
L.13	Minutes and list of participants.	

**Science and the Arabic and Islamic world**

- L.14-L.18                      Papers presented to the meeting.
- L.14                              'Report on Status of Biochemistry in Muslim Countries' by M. A. Rahman.
- L.15                              'Development and Progress Policies of the Islamic Republic of Iran: Science and Technology', translated by M. N. Bahadori.
- L.16                              'The State of the Geophysical Sciences in Islamic Countries' by A. A. Ashour.
- L.17                              'Molecular Biology in Muslim Countries' by A. I. Bukhari.
- L.18                              'Plasma Physics and Nuclear Fusion' by M. H. A. Hassan.
- L.19-L.26                      Correspondence and papers *re* constitution, membership and administration, 1980-1981.  
  
Sorted alphabetically by name of correspondent.
- L.19                              A.
- L.20                              B.
- L.21                              C-F.
- L.22                              G-J.
- L.23                              K.
- L.24                              L-O.
- L.25                              P-S.



**Science and the Arabic and Islamic world**

L.26 T-Z.

**L.27-L.41                      CONFERENCES                      1984-1987**

L.27-L.32 Islam and the West Meeting, Paris, France, 27 April 1984.

See also F.47-F.52, F.396, F.402.

L.27 Correspondence *re* arrangements.

L.28 5pp typescript opening address (French) given by F. Lamand.

L.29 23pp typescript address entitled 'Islam and Science: Concordance or Conflict?' given by Salam.

L.30 6pp typescript entitled 'Islam and Science: Concordance or Conflict' (condensed version) by Salam.

L.31 5pp typescript closing address (French) given by F. Lamand.

L.32 Correspondence arising.

L.33-L.37 2nd World Congress on Religious Liberty, Rome, Italy, 3-6 September 1984.

Salam gave a talk entitled 'Liberty of Science and Belief in the Light of the Holy Quran and the Islamic Experience'.

See also F.55, F.56, F.399, F.400, J.292, J.293.

L.33 25pp typescript of Salam's address.

L.34-L.36 Notes and background material.

Three folders.

### Science and the Arabic and Islamic world

- L.37 Congress proceedings.
- L.38 Islam and the West General Assembly, Seville, Spain, 10-11 September 1984.  
  
Salam was not able to attend.  
  
Correspondence *re* arrangements.
- L.39 Islam and the West Meeting, Paris, France, 14 November 1984.  
  
Salam was not able to attend.  
  
Correspondence *re* arrangements.
- L.40, L.41 Fifth Islamic Summit, Kuwait, 26-29 January 1987.
- L.40 Papers sent to Salam for information.
- L.41 8pp typescript entitled 'Pour un Éternel Retour' by F. Lamand, February 1987.

**L.42, L.43**

### **AWARDS**

**1982-1985**

- L.42 Arab League Educational, Cultural and Scientific Organization Muslim Scientist Awards.  
  
Salam was a member of the Proposing Committee of Candidates for Creativity in Physical Sciences.  
  
Correspondence and papers, 1982.
- L.43 Al-Azhar Prize.  
  
Salam funded the prize of \$1000 from the proceeds of his 1979 Nobel Award. The Al-Azhar Prize, administered by Al-Azhar University, Cairo, Egypt, was given to young scientific researchers in physics from Islamic countries.  
  
Correspondence and papers, 1983-1985.



**Science and the Arabic and Islamic world**

<b>L.44-L.62</b>	<b>PUBLICATIONS</b>	<b>1986-1990</b>
L.44-L.48	<p>'Religion and Science'. Contents of folder so inscribed divided into five for ease of reference.</p> <p>Correspondence <i>re</i> the possible production of a scientific text book for the use of 'men of religion', 1986-1989.</p> <p>Sorted alphabetically by name of correspondent.</p>	
L.49-L.61	<p>468pp typescript author's proof with amendments entitled 'Renaissance of Sciences in Islamic Countries', a collection of Salam's addresses, proposals and papers edited by M. H. A. Hassan and H. Dalafi, 1988.</p> <p>See also L.70-L.74.</p> <p>Twelve folders.</p>	
L.62	<p>'Quran Translations'. Contents of folder so inscribed.</p> <p>Correspondence with scientists <i>re</i> a translation of the Quran into Uighur financed by Salam, 1988-1990.</p>	
<b>L.63-L.74</b>	<b>MISCELLANEOUS</b>	<b>1968-1986</b>
L.63	<p>13pp typescript entitled 'The Pure Sciences in the Arab Countries Today' by N. N. Khuri, a talk delivered to Science and Technology in the Eastern Arab Countries Conference, New York, USA, 29 April 1965.</p>	
L.64, L.65	<p>73pp typescript entitled 'Science in the Arab East', by A. B. Zahlan, n.d. latest bibliographic reference 1965.</p> <p>Two folders.</p>	
L.66	<p><i>Cell Reveals God</i>, M. A. Anees, 1968.</p> <p>Off-print.</p>	

**Science and the Arabic and Islamic world**

- L.67 52pp typescript entitled 'Importance of Research in Islamic Countries: A Blueprint for Progress' by S. A. Durrani, 1983.
- L.68 9pp manuscript notes entitled 'Ranking of Muslim Countries in Scientific Research and Development', by M. Ahmad, July 1986.
- L.69 5pp typescript entitled 'Tentative Formulation of a Project for Dialogue between Scientists and Decision-Makers in the Arab World', n.d. ca 1986.
- L.70-L.74 'Muslim File'. Contents of folder so inscribed divided into five for ease of reference.  
See also L.49-L.61.
- L.70 4pp typescript entitled 'Islamic Science Talent Fund', n.d.
- L.71 9pp typescript entitled 'Proposal for the Creation of an International Laboratory for Solid State Physics', n.d.
- L.72 2pp typescript entitled 'Prestigious Awards for Sciences', n.d.
- L.73 7pp typescript and manuscript entitled 'An Arab-Islamic Fund for Helping Arab-Muslim Physicists to Benefit from the Trieste Centre', n.d.
- L.74 7pp typescript entitled 'Foundations for Sciences in Islam', n.d.



**SECTION M**

**PAKISTAN**

**M.1-M.478**

Between 1961 and 1974 Salam acted as Chief Scientific Adviser to the President of Pakistan. After his resignation from this governmental post Salam maintained contacts made during the period of his official employment. He continued, in a less formal way, to offer advice and support to former colleagues. Despite periods of religious persecution and political upheaval which sometimes made Salam's relations with Pakistan difficult, and his numerous teaching and administrative commitments in London and Trieste, Salam's links with his homeland always remained strong.

This section contains material relating to Salam's continuing involvement with Pakistan. Although it contains more recent material, it largely consists of correspondence and papers accumulated during his time as Scientific Adviser. Salam's work in particular areas of government policy and action, such as agriculture, science education and waterlogging and salinity is reflected in the arrangement of the material. His interest at that time in the development of Pakistan's nuclear resources is represented in the separate groupings of papers relating to the various organisations and institutions in Pakistan with which he had connections.

M.1-M.290      SOCIETIES AND ORGANISATIONS

M.291-M.414      SCIENCE-RELATED TOPICS

M.415-M.432      LECTURES AND PUBLICATIONS

M.433-M.478      INDIVIDUALS

## Pakistan

M.1-M.290	SOCIETIES AND ORGANISATIONS	1964-1996
M.1-M.5	Government College, Jhang	
M.6	Government College, Lahore	
M.7, M.8	Institute of Basic Sciences	
M.9, M.10	Institute of Defence Analysis and Policy Planning	
M.11, M.12	Ministry of Natural Sciences	
M.13-M.21	Ministry of Science and Technology	
M.22-M.27	National Commission on Manpower and Education	
M.28-M.65	National Science Council	
M.66-M.86	Pakistan Academy of Sciences	
M.87	Pakistan Air Force College of Aeronautical Engineering	
M.88-M.198	Pakistan Atomic Energy Commission (PAEC)	
M.199, M.200	Pakistan Council for Scientific and Industrial Research	
M.201-M.205	Pakistan Government	
M.206-M.209	Pakistan Institute of Nuclear Science and Technology (PINSTECH)	
M.210-M.228	Pakistan Institute of Science and Technology	
M.229	Pakistan Institute of Theoretical Physics	
M.230-M.246	Pakistan Science Foundation	
M.247-M.262	Pakistan Society for Promotion of Literacy, Science and Technology	
M.263-M.281	Pakistan Space and Upper Atmosphere Research Committee (SUPARCO)	
M.282-M.284	Physics Information Exchange (PIE) Project	
M.285	Punjab University	
M.286-M.290	The United States-Pakistan Alliance	



**Pakistan**

<b>M.1-M.5</b>	<b>Government College, Jhang</b>	<b>1983-1989</b>
	Salam received his earliest education at Government College, Jhang. He continued to attend the college until, at the age of fourteen, he won a scholarship to Government College, Lahore.	
M.1-M.5	Correspondence and papers <i>re</i> Salam's support for campaigns to improve funding, educational programmes and status, 1983-1989.	
	Five folders.	
<b>M.6</b>	<b>Government College, Lahore</b>	<b>1989</b>
	Salam was a student at Government College, Lahore, between 1942 and 1946. He returned to the college as a teacher in 1951, remaining until 1954.	
M.6	Correspondence and papers <i>re</i> 125th anniversary celebrations, 1989.	
<b>M.7, M.8</b>	<b>Institute of Basic Sciences</b>	<b>1973-1974</b>
M.7, M.8	Correspondence and papers <i>re</i> the proposed creation of an institute of basic sciences in Islamabad, 1973-1974.	
	Two folders.	
<b>M.9, M.10</b>	<b>Institute of Defence Analysis and Policy Planning</b>	<b>1973-1974</b>
M.9, M.10	Correspondence and papers <i>re</i> the proposed establishment of an institute of defence analysis and policy planning in Pakistan, 1973-1974.	
	Two folders.	

**Pakistan**

<b>M.11, M.12</b>	<b>Ministry of Natural Resources, Fuel and Power</b>	<b>1974</b>
M.11, M.12	Correspondence and papers <i>re</i> a Colloquium on the Geotectonics of the Kashmir Himalaya-Karakoum-Hindu Kush-Pamir Orogenic Belts organised by the Academia Nazionale dei Lincei, Rome, Italy, 25-27 June 1974.  Two folders.	
<b>M.13-M.21</b>	<b>Ministry of Science and Technology</b>	<b>1964-1984</b>
M.13, M.14	Papers, draft reports and recommendations with covering correspondence <i>re</i> the creation of a Pakistan Ministry of Science and Technology, <i>ca</i> 1964.  Two folders.	
M.15-M.17	Correspondence with various ministers and officials, 1969-1984.  Principally <i>re</i> the exchange and circulation of information.  Three folders.	
M.18	Proceedings of the First Meeting of OIC [Organisation of Islamic Conference] Ministerial Standing Committee on Scientific and Technological Co-operation, Ministry of Science and Technology, Islamabad, 10-13 May 1983.  Published text.	
M.19, M.20	Proceedings and reports of the Second Meeting of OIC Ministerial Standing Committee on Scientific and Technological Co-operation, Ministry of Science and Technology, Islamabad, 13-15 December 1983.  Published texts.  Two folders.	
M.21	<i>National Science and Technology Policy</i> , Ministry of Science and Technology, Islamabad, March 1984.  Published text.	



**Pakistan**

<b>M.22-M.27</b>	<b>National Commission on Manpower and Education</b>	<b>1968-1969</b>
M.22-M.27	Papers sent to Salam for information, 1968-1969.  Six folders.	
<b>M.28-M.65</b>	<b>National Science Council</b>	<b>1964-1982</b>
M.28-M.37	Correspondence and papers principally <i>re</i> meetings of the Council, 1964-1974.  Ten folders.	
M.38-M.53	Meetings of the National Science Council, 1965-1973.	
M.38	Karachi, 11 February 1965.  Draft minutes.	
M.39, M.40	Karachi, 14 July 1966.  Agenda and working papers.  Two folders.	
M.41	Dacca, 17 January 1967.  Agenda and working papers.	
M.42	Karachi, 10-11 August 1967.  Agenda and working papers.	
M.43-M.47	Karachi, 29 May 1968.  Agenda, working papers, minutes and correspondence.  Five folders.	

**Pakistan**

- M.48                      Islamabad, 19 February 1969.  
  
Draft minutes.
- M.49                      Islamabad, 8-9 September 1970.  
  
Draft minutes.  
  
See also M.62, M.63.
- M.50, M.51              Karachi, 27 June 1973.  
  
Agenda and working papers.  
  
Two folders.
- M.52                      Islamabad, 6 August 1973.  
  
Agenda and working papers.
- M.53                      Islamabad, 22 December 1973.  
  
Draft minutes.
- M.54-M.65              Reports and publications, 1965-1982.  
  
Various papers and texts *re* the National Science Council presented in chronological order.
- M.54-M.61              Background papers sent to Salam for consideration and information, 1965-1968.  
  
Eight folders.
- M.62, M.63              'Towards a Scientific Research and Development Policy for Pakistan', by Salam, presented at the Thirteenth Meeting of National Science Council, Islamabad, 8-9 September 1970.  
  
See also M.49.
- M.62                      23pp typescript, n.d.



**Pakistan**

M.63 Published text, December 1970.

M.64 *Organisation and Financing of Scientific Research in Pakistan*, I. H. Usmani,  
National Science Council, 1972.

Published text.

M.65 *S & T Establishments of Pakistan*, National Science Council, 1982.

Published text.

**M.66-M.86 Pakistan Academy of Sciences**

**1967-1996**

Salam was elected a fellow in 1954.

M.66-M.83 Correspondence and papers sent to Salam for information, 1979-1996.

M.66 1979, 1980.

M.67 1981, 1982.

M.68 1983.

M.69 1984, 1985.

M.70 1986.

M.71 1987.

M.72-M.74 1988.

Three folders.

**Pakistan**

M.75	1989.	
M.76-M.79	1990. Four folders.	
M.80	1991.	
M.81, M.82	1992. Two folders.	
M.83	1993-1996.	
M.84-M.86	<i>Proceedings of the Pakistan Academy of Sciences</i> , 1967, 1969.	
M.84	Vol 4, No 1, 1967.	
M.85	Vol 4, No 2, 1967.	
M.86	Vol 6, Nos 1 and 2, 1969.	
<b>M.87</b>	<b>Pakistan Air Force College of Aeronautical Engineering</b>	<b>1965</b>
M.87	Correspondence, 1965.	



**Pakistan**

<b>M.88-M.198</b>	<b>Pakistan Atomic Energy Commission (PAEC)</b>	<b>1964-1978</b>
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Salam was a member of the Pakistan Atomic Energy Commission (PAEC) from 1958 to 1974.

See also M.463-M.478.

M.88-M.126	Correspondence and papers, 1964-1978.
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M.88	1964.
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M.89-M.95	1965.  Seven folders.
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M.96-M.99	1966.  Four folders.
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M.100-M.105	1967.  Six folders.
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M.106-M.109	1968.  Four folders.
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M.110-M.112	1969.  Three folders.
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M.113-M.116	1970.  Four folders.
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M.117	1971.
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**Pakistan**

M.118	1972.
M.119, M.120	1973. Two folders.
M.121-M.123	1974. Three folders.
M.124	1975.
M.125	1976.
M.126	1978.
M.127-M.168	Meetings of PAEC, 1965-1974.
M.127	Rawalpindi, 28 August 1965. Minutes.
M.128	Karachi, 29 December 1965. Minutes.
M.129	Karachi, 16 February 1966. Minutes.
M.130, M.131	Karachi, 30 December 1966. Agenda, working papers and minutes. Two folders.



**Pakistan**

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|-------------|---|
| M.132-M.135 | Karachi, 13 May 1967.<br><br>Agenda, working papers and minutes.<br><br>Four folders. |
| M.136       | Karachi, Autumn 1967.<br><br>Agenda and working papers.                               |
| M.137       | Dacca, 7 December 1967.<br><br>Papers <i>re</i> arrangements.                         |
| M.138       | Karachi, 26 December 1967.<br><br>Agenda and minutes.                                 |
| M.139       | Karachi, 7 March 1968.<br><br>Agenda and working papers.                              |
| M.140-M.142 | Karachi, 6 June 1968.<br><br>Agenda and working papers.<br><br>Three folders.         |
| M.143-M.145 | Karachi, 20 November 1968.<br><br>Agenda and working papers.<br><br>Three folders.    |
| M.146       | Karachi, 27 December 1968.<br><br>Letter <i>re</i> arrangements.                      |

**Pakistan**

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|--------------|---|
| M.147, M.148 | Karachi, 12 April 1969.<br><br>Agenda and working papers.<br><br>Two folders.   |
| M.149        | Karachi, 2 August 1969.<br><br>Minutes.   |
| M.150-M.153  | Karachi, 30 October 1969.<br><br>Agenda, working papers and minutes.<br><br>Four folders.                                     |
| M.154-M.156  | Dacca, 27 December 1969.<br><br>Agenda and working papers.<br><br>Three folders.  |
| M.157, M.158 | Karachi, 21 May 1970.<br><br>Agenda and working papers.<br><br>Two folders.   |
| M.159, M.160 | Karachi, 30 October 1971.<br><br>Agenda and working papers. Includes minutes of a meeting on 3 June 1971.<br><br>Two folders. |
| M.161-M.163  | Karachi, 2 March 1972.<br><br>Agenda and working papers.<br><br>Three folders.  |



**Pakistan**

- M.164, M.165      Islamabad, 21 August 1973.  
Agenda and working papers. Includes minutes of a meeting on 2 May 1973.  
Two folders.
- M.166      Islamabad, 24 November 1973.  
Agenda and papers.
- M.167, M.168      Islamabad, 15 April 1974.  
Agenda and working papers. Includes minutes of a meeting on 21 December 1973.  
Two folders.
- M.169-M.177      Meetings of PAEC Council, 1966-1970.
- M.169, M.170      Karachi, 31 December 1966.  
Agenda, working papers and minutes.  
Two folders.
- M.171, M.172      Karachi, 27 December 1967.  
Working papers and minutes.  
Two folders.
- M.173, M.174      Karachi, 28 December 1968.  
Agenda and working papers.  
Two folders.
- M.175-M.177      ?Karachi, 29 December 1970.  
Agenda and working papers.  
Three folders.

**Pakistan**

- M.178-M.198      Reports and publications, 1964-1972.  
Various papers and texts *re* PAEC presented in chronological order.
- M.178      16pp typescript address entitled 'Search for Research' given by I. H. Usmani, Chairman of PAEC, at a symposium on scientific and industrial research, 16-21 November 1964.
- M.179      PAEC Annual Report, 1964-1965.
- M.180      PAEC Annual Report, 1965-1966.
- M.181      *Fresh Water Requirements of Makran Coastal Towns: A Survey*, I. Kamal, PAEC, n.d. latest bibliographical reference 1965.  
Published text.
- M.182      *The Nucleus*, Quarterly Journal of PAEC, Vol 4, No 2, April-June 1967.
- M.183      *Calibration of a 500Curie CO<sup>60</sup> Source*, M. A. Rab Molla, S. A. Abdullah and F. Karim, PAEC, August 1967.  
Published text.
- M.184      20pp typescript welcome address given by I. H. Usmani, Chairman of PAEC, on the 6th Anniversary of the Atomic Energy Centre, Lahore, Pakistan, 25 November 1967.
- M.185      *Scientists and Engineers of Pakistan Atomic Energy Commission*, 1967.  
Published text.
- M.186, M.187      Reports and papers *re* Rooppur Nuclear Power Project, 1967.  
Two folders.



**Pakistan**

- M.188                      *The Nucleus*, Quarterly Journal of PAEC, Vol 5, Nos 3 and 4, July-December 1968.
- M.189, M.190            *Pakatom*, Newsletter of PAEC, 1968.
- M.189                      Vol 1, No 3, 15 September 1968.
- M.190                      Vol 1, No 4, 15 October 1968.
- M.191                      *The Nucleus*, Quarterly Journal of PAEC, Vol 6, No 1, January-March 1969.
- M.192                      *Pakatom*, Newsletter of PAEC, Vol 2, No 3, 15 February 1970.
- M.193                      40pp typescript report entitled 'Research and Development Projects of the Pakistan Atomic Energy Commission', January 1972.
- M.194                      *Solar Energy Prospects in Pakistan*, PAEC, n.d.  
Published text.
- M.195                      *Atomic Energy Centre, Lahore*, PAEC, n.d.  
Published text.
- M.196-M.198            PAEC Research Project Proposal Forms (blank), n.d.  
Three folders.
- M.199, M.200            Pakistan Council of Scientific and Industrial Research            1967-1971**
- M.199, M.200            Reports with covering correspondence, 1967-1971.  
Two folders.

**Pakistan**

<b>M.201-M.205</b>	<b>Pakistan Government</b>	<b>1964-1974, 1980-1982</b>
M.201-M.203	<p>'Correspondence with Rawalpindi.' Contents of folder so inscribed divided into four for ease of reference.</p> <p>Includes correspondence with Presidents Mohammed Ayub Khan and Zulfikar Ali Bhutto and other government officials <i>re</i> the work of the Scientific and Technological Division of the Pakistan Government 1964-1974.</p> <p>Three folders.</p>	
M.204, M.205	<p>'Correspondence with Rawalpindi'. Contents of folder so inscribed divided into two for ease of reference.</p> <p>Includes correspondence with President Mohammad Zia-ul-Haq <i>re</i> a recording of the Holy Quran, a visit by Salam to Mexico and administrative changes in Jhang, 1980-1982.</p> <p>Two folders.</p>	
<b>M. 206-M.209</b>	<b>Pakistan Institute of Nuclear Science and Technology (PINSTECH)</b>	<b>1964-1967</b>
M.206	<p>25pp typescript entitled 'Project Proposal (Revised) for Establishment of Pakistan Institute of Nuclear Science and Technology, Islamabad', December 1964.</p> <p>See also F.163.</p>	
M.207	<p><i>Questions and Answers on Pakistan Institute of Nuclear Science and Technology (PINSTECH) Prepared by PAEC, August 1965.</i></p> <p>Published text.</p>	
M.208	<p><i>Initial Start-up of the Pakistan Research Reactor, Reactor Operation and Maintenance Division, PINSTECH, Islamabad, 1966.</i></p> <p>Published text.</p>	



**Pakistan**

- M.209      *Neutron Flux Measurements in the Experimental Facilities of the Pakistan Research Reactor*, M. N. Qazi, T. J. Solaija, A. Nuruddin and H. A. Khan, Nuclear Physics Division, PINSTECH, Islamabad, 1967.  
  
Published text.
- M.210-M.228      Pakistan Institute of Science and Technology      1983-1988**
- M.210-M.213      Draft texts and covering correspondence *re* the report of a consultative committee created to discuss the proposed establishment of Pakistan Institute of Science and Technology, 1983.  
  
Four folders.
- M.214-M.223      Correspondence and papers, 1983-1986.  
  
Principally *re* the establishment, organisation and funding of the Institute.  
  
Ten folders.
- M.224-M.228      Correspondence and papers, 1987-1988.  
  
Principally *re* the organisation and funding of the Institute.  
  
Five folders.
- M.229      Pakistan Institute of Theoretical Physics      1966-1973**
- M.229      Correspondence and papers *re* the establishment of the Pakistan Institute of Theoretical Physics, Islamabad, 1966-1973.
- M.230-M.246      Pakistan Science Foundation      1971-1976**
- M.230      Correspondence *re* the Scientific Research Review Committee chaired by Salam, 1971.

**Pakistan**

- M.231-M.234      Inaugural Meeting of the Board of Trustees of the Pakistan Science Foundation, Islamabad, 25 August 1973.
- Agenda and working papers.
- Four folders.
- 
- M.235-M.246      Fifth Meeting of the Board of Trustees, Islamabad of the Pakistan Science Foundation, 19 January 1976.
- Agenda, working papers and minutes.
- Twelve folders.
- 
- M.247-M.262      Pakistan Society for Promotion of Literacy, Science and Technology      1989-1996**
- 
- M.247-252      Correspondence and papers principally sent to Salam for information, 1989-1992.
- Six folders.
- 
- M.253-M.262      The Muhammad Abdus Salam Foundation, 1992-1996.
- In 1992 Mohammed Naim Ullah, secretary of the Pakistan Society for Promotion of Literacy, Science and Technology, of which Salam was president, proposed the creation of the Muhammad Abdus Salam Foundation. The Foundation, which was to have its headquarters in London, would work towards the establishment of technical training centres in Third World countries.
- Following disagreement over procedures adopted for obtaining support and owing to the deterioration in his health, Salam withdrew from the project in 1994.
- Correspondence and papers *re* the establishment of the Foundation, the raising of funds and the appointment of trustees, 1992-1996.
- Ten folders.



**Pakistan**

<b>M.263-M.281</b>	<b>Pakistan Space and Upper Atmosphere Research Committee (SUPARCO)</b>	<b>1964-1988</b>
	Salam was closely involved in the establishment of the Pakistan Space and Upper Atmosphere Research Committee (SUPARCO) and was its chairman from 1961 to 1964.	
M.263-M.267	Correspondence and papers, 1964-1970.  Five folders.	
M.268-M.270	Newspaper cuttings and correspondence, 1984-1988.  Three folders.	
M.271-M.276	Meetings of the Scientific Committee of SUPARCO, 1965-1972.	
M.271	Karachi, 1 September 1965.  Minutes.	
M.272	Karachi, 5 June 1968.  Minutes.	
M.273, M.274	?Karachi, 1968.  Agenda and working papers.  Two folders.	
M.275, M.276	Karachi, 2 May 1972.  Working papers.  Two folders.	

**Pakistan**

- M.277-M.281 Reports and publications, 1965-1970.  
Various papers and texts *re* SUPARCO presented in chronological order.
- M.277 Report on COSPAR (Committee on Space Research) Sixth International Space Science Symposium, Argentina, 11-21 May 1965, by M. Rahmatullah, Director, Space Science and Research, SUPARCO, October 1965.
- M.278 8pp typescript entitled 'Space Science Stimulates Meteorological Research in Pakistan', by M. Rahmatullah, UN Conference on the Exploration and Peaceful Uses of Outer Space, 27 May 1967.
- M.279 11pp typescript entitled 'Space Research Activities in Pakistan' by M. Rahmatullah, Eleventh Plenary Meeting of COSPAR, Tokyo, Japan, 9-21 May 1968.
- M.280 5pp typescript entitled 'Educational Problems Relating to Space Research in Developing Countries' by M. Rahmatullah, UN Conference on the Exploration and Peaceful Uses of Outer Space, 27 May 1968.
- M.281 21pp typescript entitled 'Mean Atmospheric Wind Circulation at Sonmiani and Some Peculiarities Observed During 1969-70', by M. Rahmatullah and S. A. Jafri, Thirteenth Plenary Meeting of COSPAR, Leningrad, 20-29 May 1970.
- M.282-M.284      Physics Information Exchange (PIE) Project      1965-1985**
- M.282-M.284 Correspondence and papers, 1965-1985.  
Three folders.
- M.285      Punjab University      ca 1982**
- M.285 Notes and newspaper cuttings *re* members of academic staff, ca 1982.



**Pakistan**

**M.286-M.290      United States-Pakistan Alliance      1982-1986**

The United States-Pakistan Alliance was established in 1982 by C. Nasem to encourage and foster good economic, commercial, strategic, cultural and industrial relations between the private sectors of the US and Pakistan.

Salam chaired the United States-Pakistan Alliance Committee on Science and Technology.

M.286-M.290      Correspondence and papers, 1982-1986.  
  
Five folders.

**M.291-M.414      SCIENCE-RELATED TOPICS      1964-1988**

This sub-section contains material relating to broad science-related subject areas with which Salam became involved either in an official capacity as Chief Scientific Adviser to the President of Pakistan or in a less formal personal capacity after his retirement.

M.291-M.293	Agriculture
M.294	Food
M.295-M.298	Population control
M.299-M.322	Science and technology
M.323-M.376	Science education
M.377-M.390	Waterlogging and salinity
M.391-M.414	General correspondence

**M.291-M.293      Agriculture      1966-1970**

M.291-M.293      Correspondence and papers *re* agricultural development, 1966-1970.  
  
Three folders.

**Pakistan**

<b>M.294</b>	<b>Food</b>	<b>1967</b>
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M.294	Correspondence and papers with particular reference to means of combating protein deficiency in developing countries, 1967.
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<b>M.295-M.298</b>	<b>Population control</b>	<b>1970-1974</b>
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M.295-M.298	Correspondence and papers, 1970-1974.  Includes typescript and manuscript drafts entitled 'Note on Pakistan's Population Control Programme' by Salam, January 1971.  Four folders.
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<b>M.299-M.322</b>	<b>Science and technology</b>	<b>1965-1986</b>
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M.299-M.315	Correspondence and papers <i>re</i> science and technology policy, 1970-1986.  Includes material <i>re</i> international collaboration, the compilation of national reports, funding projects and the organisation of meetings.
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M.299	1970-1979.
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M.300-M.302	1980.  Three folders.
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M.303	1981.
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M.304, M.305	1982.  Two folders.
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M.306-M.310	1983.  Five folders.
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**Pakistan**

- |              |   |
|--------------|---|
| M.311, M.312 | 1984.<br><br>Two folders.   |
| M.313, M.314 | 1985.<br><br>Two folders.   |
| M.315        | 1986.   |
| M.316-M.322  | Reports and publications, 1965-1985.<br><br>Various papers and texts <i>re</i> science and technology presented in chronological order. |
| M.316        | 5pp typescript address given by Salam to a science conference, 26 August 1965.  |
| M.317        | 3pp typescript address given by I. H. Usmani to a science conference, 26 August 1965.   |
| M.318        | Draft minutes of the Twelfth Meeting of the Chairmen of Research Councils, Karachi, 3 August 1969.                                      |
| M.319        | <i>Human Environment in Pakistan</i> , Report of Seminars, Islamabad, Lahore and Karachi, 5 June 1973.<br><br>Published text.           |
| M.320        | <i>Pakistan-UNESCO Co-operation: Observations and Suggestions</i> , N. A. Beg, February 1975.<br><br>Published text.                    |
| M.321        | <i>National Science and Technology Policy</i> (Draft), March 1979.<br><br>Published text.   |

**Pakistan**

- M.322                      *Growth of Research and Development Manpower and Expenditure in Pakistan*, Pakistan Council for Science and Technology, 1985.
- Published text.
- 
- M.323-M.376                      Science education                      1969-1988**
- 
- M.323, M.324                      Correspondence and papers *re* proposals for a new national educational policy, 1969.
- Two folders.
- 
- M.325-M.334                      Correspondence and papers *re* science education and technical learning, 1972-1980.
- Includes material *re* schools and colleges, national curriculum and levels of training.
- Ten folders.
- 
- M.335-M.340                      Correspondence and papers *re* the establishment and administration of the Mohammad Hussain Hajira Hussain Nobel Talent Fund set up by Salam using his Nobel Prize money, 1980-1990.
- Includes material *re* the institution of Pakistani scholarships and student prizes.
- See also K.9-K.100, K.644-K.660.
- Six folders.
- 
- M.341-M.363                      Meetings and conferences, 1969-1981.
- 
- M.341-M.353                      National Education Seminar on Problems, Needs and Prospects of Education in Pakistan, 10-26 February 1969.
- Working papers.
- Thirteen folders.
- 
- M.354                      Papers *re* ?a conference on education, 1969.



**Pakistan**

- M.355-M.362 International Summer College on Physics and Contemporary Needs, Nathiagali, Pakistan, 2-20 August 1976.
- M.355-M.357 Correspondence and papers *re* arrangements.  
Three folders.
- M.358-M.362 Correspondence and papers arising.  
Five folders.
- M.363 Proceedings of the Standing Study Group on Teaching and Research in Physics, Islamabad, Pakistan, 23-24 February 1981.
- M.364-M.376 Reports and publications, 1968-1988.  
Various papers and texts *re* science education presented in chronological order.
- M.364 22pp typescript report entitled 'Evaluation of Advisory Services OSU [Oklahoma State University]-Pakistan Technical Education Project', by M. R. Lohmann, December 1968.
- M.365 *Some Aspects of Planning for Primary Education in Pakistan*, N. Khan, 1968.  
Published text.
- M.366 Two typescript drafts, 3pp and 4pp, with amendments entitled 'National Unity Through the Educational Process', ca May 1969.
- M.367 16pp typescript entitled 'A Note on the Structural Changes in Pakistan's Educational System', n.d. latest bibliographical reference 1969.
- M.368 *The Sixth Plan: A Decisive Step Towards a New Socio-Economic Order*, Mahbub ul Haq, October 1982.  
Published text annotated by Salam.

**Pakistan**

- M.369                      *Fundamental Restructuring of Higher Education*, Mahbub ul Haq, November 1982.  
  
Published text.
- M.370                      *On Science Education in Pakistan*, ed M. A. Rehman, University Grants Commission, 1982.  
  
Published text.
- M.371                      *Pakistan Education Statistics*, Ministry of Education, 1986.  
  
Published text.
- M.372                      *Budget Statistics on Education of the Federal and Provincial Government 1977/8 to 1984/5*, Ministry of Education, 1987.  
  
Published text.
- M.373                      *Statistics on Professional Colleges in Pakistan, 1980-1985*, Ministry of Education, 1987.  
  
Published text.
- M.374                      6pp typescript (annotated) entitled 'Education: Issues and Directions', February 1988.
- M.375                      6pp typescript entitled 'State of Physics Teaching and Research in Pakistani Universities', n.d.
- M.376                      2pp typescript (annotated) entitled 'Technical and Vocational Education', n.d.



**Pakistan**

<b>M.377-M.390</b>	<b>Waterlogging and salinity</b>	<b>1967-1984</b>
M.377-M.388	Correspondence and papers <i>re</i> Salam's attempts to tackle the increasing salinity and waterlogging of cultivated land caused by irrigation, 1979-1984.  Includes material <i>re</i> proposed International Centres of Salinity and Waterlogging, and Mineral Resources.	
M.377	1979.	
M.378-M.380	1980.  Three folders.	
M.381, M.382	1981.  Two folders.	
M.383-M.385	1982.  Three folders.	
M.386, M.387	1983.  Two folders.	
M.388	1984.	
M.389, M.390	Reports and publications, 1967, 1981.  Various papers and texts <i>re</i> waterlogging and salinity presented in chronological order.	
M.389	<i>Prospects of Desalination of Sea Water on the Makran Coast (west Pakistan)</i> , I. Kamal, 1967.  Published text.	

**Pakistan**

M.390                      *International Waterlogging and Salinity Research Institute, Pakistan, March 1981.*

Published text.

**M.391-M.414                      General correspondence                      1964-1980**

M.391-M.414                      Correspondence and papers *re* scientific societies and institutions, science-related events and functions, press releases, publicity brochures, government officials and publishers, 1964-1980.

M.391                      1964.

M.392-M.395                      1965.  
  
Four folders.

M.396, M.397                      1966.  
  
Two folders.

M.398, M.399                      1967.  
  
Two folders.

M.400                      1968.

M.401                      1969.

M.402-M.404                      1970.  
  
Three folders.

M.405                      1971.



**Pakistan**

M.406-M.408            1972.  
Three folders.

M.409                    1973.

M.410, M.411           1974.  
Two folders.

M.412                    1975.

M.413                    1976.

M.414                    1977-1980.

**M.415-M.432            LECTURES AND PUBLICATIONS                    1964-1972**

M.415-M.427           Iqbal Memorial Lectures  
M.428-M.431           Requests for papers  
M.432                    Miscellaneous

**M.415-M.427            Iqbal Memorial Lectures                    1965-1967**

Salam delivered the first (series of five) Iqbal Memorial Lectures which were broadcast on Radio Pakistan in March 1965.

See also F.5, F.6.

M.415-M.417           Correspondence, 1965.  
Three folders.

**Pakistan**

- M.418-M.422 Broadcast texts, 1965.
- M.418 4pp typescript entitled 'Symmetry, matter and Energy -1', broadcast 21 April 1965.
- M.419 4pp typescript entitled 'Symmetry, Matter and Energy -2', broadcast 28 April 1965.
- M.420 3pp typescript entitled 'Symmetry, Matter and Energy -3: Matter and Anti-matter', broadcast 5 May 1965.
- M.421 5pp typescript entitled 'Symmetry, matter and Energy -4: Unity in Multiplicity', broadcast 12 May 1965.
- M.422 4pp typescript entitled 'Symmetry, matter and Energy -5: Maximal Symmetry of the Nuclear Force', broadcast 19 May 1965.
- M.423-M.426 Transcripts of broadcasts for publication, 1965.
- M.423 26pp typescript (annotated) transcript of lectures 1 and 2, 28 March 1965.
- M.424 12pp typescript (annotated) transcript of lecture 3, n.d.
- M.425 16pp typescript (annotated) transcript of lecture 4, 29 April 1965.
- M.426 15pp typescript (annotated) transcript of lecture 5, 7 May 1965.
- M.427 *Symmetry Concepts in Modern Physics: Iqbal Memorial Lectures*, Abdus Salam, Atomic Energy Centre, Lahore, Pakistan, 1966.  
  
Published text.



**Pakistan**

<b>M.428-M.431</b>	<b>Requests for papers</b>	<b>1964-1972</b>
M.428-M.431	Correspondence and papers <i>re</i> possible contributions by Salam to various journals and publications, 1964-1972.  Four folders.	
<b>M.432</b>	<b>Miscellaneous</b>	<b>n.d.</b>
M.432	6pp untitled typescript radio broadcast, n.d.	
<b>M.433-M.478</b>	<b>INDIVIDUALS</b>	<b>1966-1994</b>
M.433-M.442	Correspondence, 1966-1972.  Principally appeals from individuals to Salam for support and advice on the publication of papers and admission to educational institutions.  Ten folders.	
M.443-M.457	Correspondence with Z. Hassan, 1980-1990, 1992-1994.  Principally <i>re</i> the preparation and publication of <i>Ideals and Realities</i> .  See also E.418-E.490.	
M.443, M.444	1980.  Two folders.	
M.445-M.447	1981.  Three folders.	
M.448-M.450	1982.  Three folders.	

**Pakistan**

- |              |   |
|--------------|---|
| M.451, M.452 | 1983.<br><br>Two folders.   |
| M.453        | 1984.   |
| M.454        | 1985-1986.  |
| M.455        | 1987.   |
| M.456        | 1988-1990.  |
| M.457        | 1992-1994.  |
| M.458        | Correspondence and papers <i>re</i> M. G. Khann, 1972.  |
| M.459-M.462  | Correspondence with W. P. Trower, Dept of Physics, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA, <i>re</i> Virginia Tech-Pakistan Collaborative Program in Physics and Pakistan-USA research grants, 1983.<br><br>Four folders. |
| M.463-M.478  | Correspondence with I. H. Usmani, Secretary, Ministry of Science and Technology and Chairman, PAEC, <i>re</i> science in Pakistan, 1972-1977, 1985-1992.<br><br>See also M.88-M.198.  |
| M.463        | 1972-1977.  |
| M.464        | 1985-1986.  |
| M.465        | 1987.   |



**Pakistan**

M.466-M.468      1988.  
Three folders.

M.469-M.473      1989.  
Five folders.

M.474, M.475      1990.  
Two folders.

M.476      1991.

M.477, M.478      1992.

**SECTION N**

**PRIVATE CORRESPONDENCE AND INVITATIONS**

**N.1-N.1271**

This section contains correspondence designated 'private' by Salam or his office at ICTP. The designation appears to have been used to identify correspondence that required a more personal or individual response from Salam. It includes letters addressed to him as Director of ICTP, as an eminent scientist and as a prominent and admired Pakistani.

The material comprises a large proportion of letters from young students and scientists asking Salam for help. These mostly take the form of appeals for financial assistance and requests for academic advice and are generally accompanied by curriculum vitae. Many of them are sent by people based in developing countries. In some cases Salam entered into quite lengthy correspondence with candidates whose careers he was able to advance by inviting them to attend ICTP courses or by recommending them to an appropriate institution or organisation.

The section also includes correspondence relating to Salam's membership or support of many local scientific and non-scientific societies, his possible contribution to various journals, expressions of gratitude concerning contacts and acquaintances made during Salam's trips overseas and requests for Salam's critical appraisal of scientific papers. Salam was sent many gifts and tokens of esteem including birthday cards, drawings, books, scientific calculations and theories and even dried flower petals. Letters of thanks for these gifts form part of Salam's 'private' correspondence. Throughout the period covered by the correspondence Salam consistently sent congratulations to scientists who were honoured with awards or prizes or appointed to prestigious new posts.

From 1993 onwards Salam's correspondence was increasingly answered on his behalf by members of his staff. Salam's illness resulted in a considerable number of enquiries regarding his health. He received many best wishes for a quick recovery from his colleagues and from those in the Third World inspired by his example.

N.1-N.593	PRIVATE CORRESPONDENCE
N.594-N.849	PRIVATE CORRESPONDENCE: PAKISTAN
N.850-N.1062	INVITATIONS
N.1063-N.1271	MISCELLANEOUS



Private correspondence and invitations

**N.1-N.593**                      **PRIVATE CORRESPONDENCE**                      **1965-1968, 1975-1996**

The original order of the material in this sub-section, sorted alphabetically by name of correspondent in eleven chronological sections, has been preserved.

N.1-N.19	1965-1968
N.20-N.57	1975-1980
N.58-N.106	1981-1982
N.107-N.164	1983-1984
N.165-N.218	1985-1986
N.219-N.276	1987-1988
N.277-N.398	1989-1991
N.399-N.455	1992
N.456-N.508	1993
N.509-N.548	1994
N.549-N.593	1995-1996

**N.1-N.19**                      **1965-1968**

N.1	A.
N.2	B.
N.3	C.
N.4	D.
N.5	E.

**Private correspondence and invitations**

N.6 F.

N.7 G.

N.8 H.

N.9 I-J.

N.10 K.

N.11 L.

N.12 M.

N.13 N.

N.14 O.

N.15 P-Q.

N.16 R.

N.17 S.

Includes 2pp untitled typescript *re* major developments in the physics of elementary particles, January 1966 and a photograph of Salam and colleagues at a ?conference.

N.18 T-V.



**Private correspondence and invitations**

N.19	W-Z.
<b>N.20-N.57</b>	<b>1975-1980</b>
N.20-N.22	A. Three folders.
N.23, N.24	B. Two folders.
N.25	C.
N.26	D.
N.27	E.
N.28	F.
N.29	G.
N.30-N.32	H. Three folders.
N.33	I.
N.34	J.
N.35	K.

**Private correspondence and invitations**

N.36	L.
N.37-N.39	M.  Three folders.
N.40	N.
N.41	O.
N.42	P.
N.43	Q.
N.44, N.45	R.  Two folders.
N.46-N.49	S.  Four folders.  Includes correspondence <i>re</i> the proposed award of an honorary degree to Z. A. Bhutto, Prime Minister of Pakistan by the University of Cambridge.
N.50	T.
N.51, N.52	U.  Two folders.
N.53	V.



**Private correspondence and invitations**

N.54, N.55	W.  Two folders.
N.56	Y.
N.57	Z.
<b>N.58-N.106</b>	<b>1981-1982</b>
N.58, N.59	A.  Two folders.
N.60, N.61	B.  Two folders.
N.62-N.64	C.  Three folders.
N.65, N.66	D.  Two folders.  Includes a letter from Salam to M. Thatcher, Prime Minister of UK, recommending P. A. M. Dirac for a life peerage, 1981.
N.67	E.
N.68	F.
N.69, N.70	G.  Two folders.

**Private correspondence and invitations**

N.71, N.72	H.  Two folders.
N.73	I.
N.74	J.
N.75-N.77	K.  Three folders.
N.78, N.79	L.  Two folders.
N.80-N.83	M.  Four folders.
N.84	N.
N.85	O.
N.86, N.87	P.  Two folders.
N.88	Q.
N.89, N.90	R.  Two folders.



**Private correspondence and invitations**

N.91-N.96	S.  Six folders.
N.97, N.98	T.  Two folders.
N.99	U.
N.100	V.
N.101-N.103	W.  Three folders.
N.104-N.106	Z.  Three folders.
<b>N.107-N.164</b>	<b>1983-1984</b>
N.107-N.111	A.  Five folders.
N.112-N.114	B.  Three folders.
N.115-N.117	C.  Three folders.
N.118	D.

**Private correspondence and invitations**

N.119	E.	
N.120, N.121	F.	Two folders.
N.122, N.123	G.	Two folders.
N.124-N.126	H.	Three folders.
N.127, N.128	I.	Two folders.
N.129, N.130	J.	Two folders.  Includes 18pp typescript with amendments entitled 'Expatriate Nationals and Promotion of Education and Research in Developing Countries', by Salam.
N.131-N.136	K.	Six folders.
N.137	L.	
N.138-N.141	M.	Four folders.  Includes 19pp typescript entitled 'Fundamental Interactions' by Salam.



**Private correspondence and invitations**

N.142-N.144	N.  Three folders.
N.145	O.
N. 146	P.
N.147	Q.
N.148-N.151	R.  Four folders.
N.152-N.156	S.  Five folders.
N.157-N.159	T.  Three folders.  Includes papers and correspondence <i>re</i> a group appointed by the UN Secretary-General to write a report on a proposed university in Jerusalem. Salam was a member of the group which met at ICTP.
N.160	U.
N.161	V.
N.162	W.
N.163	Y.

**Private correspondence and invitations**

N.164	Z.
<b>N.165-N.218</b>	<b>1985-1986</b>
N.165-N.168	A.  Four folders.  Includes a copy of <i>The Orbit</i> , H. U. Ansari.
N.169-N.171	B.  Three folders.
N.172-N.174	C.  Three folders.  Includes 34pp typescript entitled 'Electro-weak Spin Gauge Theories and the Frame Field', by J. R. S. Chisholm and R. S. Farwell.
N.175, N.176	D.  Two folders.
N.177	E.
N.178	F.
N.179, N.180	G.  Two folders.
N.181, N.182	H.  Two folders.



**Private correspondence and invitations**

N.183-N.185      I.  
Three folders.

N.186      J.

N.187-N.191      K.  
Five folders.

N.192      L.

N.193-N.198      M.  
Six folders.

N.199, N.200      N.  
Two folders.

N.201      O.

N.202, N.203      P.  
Two folders.

N.204      Q.

N.205, N.206      R.  
Two folders.

N.207-N.209      S.  
Three folders.

**Private correspondence and invitations**

N.210, N.211	T.  Two folders.  Includes a copy of <i>Beyond Matter</i> by P. Tewari and 10pp typescript notes for a speech by Sir Crispin Tickell entitled 'The Growth of Scientific and Technical Knowledge in the Third World'.
N.212	U.
N.213	V.
N.214, N.215	W.  Two folders.  Includes draft papers on strong gravity by C. Wolf.
N.216	Y.
N.217, N.218	Z.  Two folders.  Includes 44pp typescript entitled 'The Brain Drain' by A. B. Zahlan.
<b>N.219-N.276</b>	<b>1987-1988</b>
N.219-N.223	A.  Five folders.
N.224-N.226	B.  Three folders.



**Private correspondence and invitations**

N.227-N.229	C.  Three folders.  Includes 17pp untitled typescript draft paper by S. Coleman sent to Salam for comment.
N.230, N.231	D.  Two folders.
N.232	E.
N.233	F.
N.234, N.235	G.  Two folders.
N.236, N.237	H.  Two folders.  Includes 13pp typescript entitled 'Dynamics of Observed Reality: Abridged Version of Classical and Quantum Mechanics' by A. Haque and T. F. George.
N.238	I.
N.239	J.
N.240-N.242	K.  Three folders.  Includes 16pp typescript entitled 'Two-Dimensional Neutrino' by J. Kulhánek.
N.243	L.

**Private correspondence and invitations**

N.244-N.248	M.  Five folders.
N.249-N.252	N.  Four folders.
N.253	O.
N.254-N.257	P.  Four folders.
N.258	Q.
N.259-N.262	R.  Four folders.  Includes 14pp typescript entitled 'Islamic Science and Scientific Values' by S. Rashid and 36pp typescript entitled 'Forest Loss and Biological Extinction' by P. H. Raven.
N.263-N.270	S.  Eight folders.
N.271	T.
N.272	U.
N.273	V.
N.274	W.



**Private correspondence and invitations**

N.275	Y.
N.276	Z.
<b>N.277-N.398</b>	<b>1989-1991</b>
N.277-N.286	A.  Ten folders.  Includes draft scientific papers by S. Alfas, 27pp typescript entitled 'Distributive Justice and Need Fulfilment in an Islamic Economy: A Review', by M. Ali Khan and draft paper entitled 'Bell's Theorem: A Counter-example that Agrees with the Quantum Formalism', by T. D. Angelidis.
N.287-N.296	B.  Ten folders.  Includes 64pp typescript entitled 'From the Quark Model to the Standard Model: Ten Fateful Years in Particle Physics' by M. A. B. Bég.
N.297-N.302	C.  Six folders.
N.303-N.306	D.  Four folders.
N.307, N.308	E.  Two folders.
N.309-N.311	F.  Three folders.

**Private correspondence and invitations**

N.312-N.316	G.  Five folders.
N.317-N.322	H.  Six folders.
N.323-N.325	I.  Three folders.
N.326, N.327	J.  Two folders.
N.328-N.336	K.  Nine folders.  Includes 44pp typescript entitled 'Study of W Boson in a Magnetic Field Based upon both Mass Operator and Effective Potential', by V. V. Skalozub and V. S. Vanyashin and drafts of a paper entitled 'Science and Religion' by I. Kumar.
N.337-N.340	L.  Four folders.
N.341-N.351	M.  Eleven folders.  Includes paper entitled 'The Grand Unification, the Dream of 20th Century Science has been Realized; A Synthesis of the Facts to Substantiate this Assertion', by P. J. Marcer.
N.352-N.355	N.  Four folders.



**Private correspondence and invitations**

N.356, N.357	O.  Two folders.
N.358-N.360	P.  Three folders.
N.361	Q.
N.362-N.368	R.  Seven folders.  Includes 16pp typescript entitled 'A Personal Perspective on the Work of Prof. Abdus Salam' by Riazuddin.
N.369-N.380	S.  Twelve folders.
N.381-N.383	T.  Three folders.
N.384	U.
N.385-N.390	V.  Six folders.  Includes two typescript drafts, 10pp and 14pp, entitled 'Why Are We Poor as a Nation?' by Salam.

**Private correspondence and invitations**

N.391-N.394	W.  Four folders.  Includes Salam's answers to questions asked by M. White <i>re</i> a biography of S. Hawking and 47pp typescript entitled 'The Space Matrix, New Mass-Energy Formulae and Gravitation Unified' by M. E. Winfield.
N.395	Y.
N.396-N.398	Z.  Three folders.
<b>N.399-N.455</b>	<b>1992</b>
N.399-N.403	A.  Five folders.
N.404-N.406	B.  Three folders.
N.407-N.409	C.  Three folders.
N.410, N.411	D.  Two folders.  Includes 13pp preprint entitled 'Threefold Family of Charged Spin-1/2 Dirac Bubbles' by A. Davidson.
N.412	E.



**Private correspondence and invitations**

N.413, N.414	F.  Two folders.  Includes <i>The Quantum Mechanism or the Copenhagen Interpretation</i> , P. Fodor.
N.415, N.416	G.  Two folders.
N.417-N.419	H.  Three folders.
N.420	I.
N.421	J.
N.422-N.425	K.  Four folders.
N.426	L.
N.427-N.432	M.  Six folders.
N.433, N.434	N.  Two folders.
N.435	O.
N.436	P.

**Private correspondence and invitations**

N.437	Q.
N.438-N.440	R.  Three folders.  Includes typescript copy of Salam's memories of R. D. Revelle submitted as Salam's contribution to a commemorative seminar.
N.441-N.448	S.  Eight folders.  Includes 9pp typescript entitled 'Strong Gravity Approach to QCD and Confinement' by Abdus Salam and C. Sivaram.
N.449	T.
N.450	U.  Includes 6pp typescript entitled 'A New Perspective on Constrained Motion' by F. E. Udvardi and R. E. Kalaba.
N.451, N.452	V.  Two folders.
N.453, N.454	W.  Two folders.  Includes 15pp typescript entitled 'A Remarkable Space-Time Lattice and its Spinor Waves' by S. A. Wouthuysen.
N.455	Z.



**Private correspondence and invitations**

<b>N.456-N.508</b>	<b>1993</b>
N.456-N.459	A. Four folders.
N.460-N.463	B. Four folders.
N.464, N.465	C. Two folders.
N.466-N.468	D. Three folders.
N.469	E.
N.470	F.
N.471	G.
N.472-N.474	H. Three folders.
N.475	I.
N.476	J.

**Private correspondence and invitations**

N.477-N.480	K.  Four folders.
N.481	L.
N.482-N.486	M.  Five folders.
N.487-N.489	N.  Three folders.
N.490	O.
N.491, N.492	P.  Two folders.
N.493	R.
N.494-N.499	S.  Six folders.
N.500	T.  Includes 6pp typescript entitled 'The Fifth Dimension - A Bridge Between Science and Religion' by M. W. Thring.
N.501-N.504	U.  Four folders.  Various typescript drafts by F. E. Udvardia sent to Salam for comment.



**Private correspondence and invitations**

N.505	V.
N.506	W.
N.507	Y.
N.508	Z.
<b>N.509-N.548</b>	<b>1994</b>
N.509-N.512	A. Four folders.
N.513-N.516	B. Four folders.
N.517	C.
N.518, N.519	D. Two folders.
N.520	E.
N.521, N.522	F. Two folders.
N.523	G.

**Private correspondence and invitations**

N.524, N.525	H.  Two folders.
N.526	I.  Includes 56pp typescript entitled 'Lunar Crescent Visibility Criterion and Islamic Calendar' by M. Ilyas.
N.527	J.  Includes three copies of 48pp children's book with illustrations entitled <i>Great Scientists: Abdus Salam</i> , M. Joseph.
N.528-N.531	K.  Four folders.
N.532	L.
N.533-N.535	M.  Three folders.
N.536	N.
N.537	P.
N.538	Q.
N.539	R.
N.540-N.543	S.  Four folders.



**Private correspondence and invitations**

N.544	T.
N.545	U.
N.546	W.
N.547	Y.
N.548	Z.
<b>N.549-N.593</b>	<b>1995-1996</b>
N.549-N.552	A.  Four folders.  Includes 19pp typescript entitled 'The Centenary of Radiology' by S. F. Akber.
N.553, N.554	B.  Two folders.
N.555, N.556	C.  Two folders.
N.557	D.
N.558, N.559	E.  Two folders.
N.560	F.

**Private correspondence and invitations**

N.561, N.562	G.  Two folders.
N.563, N.564	H.  Two folders.
N.565	I.
N.566	J.
N.567-N.570	K.  Four folders.  Includes 48pp typescript entitled 'Quantification of the Anthropic Principle: A Boolean Perspective' by J. S. Kirkaldy.
N.571, N.572	L.  Two folders.
N.573, N.574	M.  Two folders.
N.575-N.577	N.  Three folders.
N.578	O.
N.579, N.580	P.  Two folders.



**Private correspondence and invitations**

N.581	Q.
N.582, N.583	R. Two folders.
N.584-N.587	S. Four folders.
N.588	T.
N.589	U-V.
N.590	W.
N.591	X.
N.592	Y.
N.593	Z.

**Private correspondence and invitations**

**N.594-N.849**

**PRIVATE CORRESPONDENCE: PAKISTAN**

**1977-1995**

This sub-section contains correspondence designated 'private' concerning Pakistan. It comprises invitations to visit, letters of support and praise, and requests for financial and advisory assistance addressed to Salam from Pakistan. It also includes correspondence with Pakistanis based in Europe and the USA. The correspondence is conducted predominantly in English.

The original order of the material in this sub-section, sorted alphabetically by name of correspondent in nine chronological sections, has been preserved. A separate sequence of correspondence with S. M. Wasim Ahmad has also been retained.

N.594-N.609	1977-1980
N.610-N.638	1981-1982
N.639-N.671	1983-1984
N.672-N.715	1985-1989
N.716-N.754	1990-1991
N.755-N.782	1992
N.783-N.803	1993
N.804-N.819	1994
N.820-N.835	1995
N.836-N.849	S. M. Wasim Ahmad

**N.594-N.609**

**1977-1980**

N.594, N.595

A.

Two folders.

Includes report and collection of press cuttings *re* Salam's first visit to Pakistan after receiving the Nobel Prize in 1979.

See also A.838-A.848.

N.596

B.



**Private correspondence and invitations**

N.597	C.
N.598	G.
N.599	H.
N.600	J.
N.601	K.
N.602	L.
N.603	M.
N.604	N.
N.605	O.
N.606	R.
N.607, N.608	S. Two folders.
N.609	W.

**Private correspondence and invitations**

**N.610-N.638                      1981-1982**

N.610-N.614                      A.  
  
Five folders.

N.615, N.616                      B  
  
Two folders.  
  
Includes 38pp typescript speech given by Salam at a UN University Symposium on Scientific Creativity in Arab and Islamic Countries, Kuwait, March 1981.

N.617                                C.

N.618                                D.

N.619                                F.

N.620                                G.

N.621, N.622                      H.  
  
Two folders.  
  
Includes 45pp typescript entitled 'Professor Abdus Salam - The Development of his Theory' by Z. Hassan.

N.623                                I.

N.624                                J.

N.625, N.626                      K.  
  
Two folders.



**Private correspondence and invitations**

N.627-N.629	M.  Three folders.
N.630	N.
N.631	P.
N.632	Q.
N.633, N.634	R.  Two folders.  Includes 6pp typescript entitled 'Neglect of Science in Pakistan: An Interview with Prof. Abdus Salam'.
N.635	S.
N.636	T.
N.637	W.
N.638	Z.
<b>N.639-N.671</b>	<b>1983-1984</b>
N.639-N.644	A.  Six folders.
N.645, N.646	B.  Two folders.

**Private correspondence and invitations**

N.647	F.
N.648	G.
N.649-N.651	H. Three folders.
N.652	I.
N.653	J.
N.654-N.657	K. Four folders.
N.658	L.
N.659, N.660	M. Two folders.
N.661	N.
N.662	Q.
N.663, N.664	R. Two folders.
N.665-N.667	S. Three folders.



**Private correspondence and invitations**

N.668	T.
N.669	U.
N.670	V.
N.671	W.
<b>N.672-N.715</b>	<b>1985-1989</b>
N.672-N.679	A. Eight folders.
N.680-N.682	B. Three folders.
N.683	C.
N.684	D.
N.685	F.
N.686	G.
N.687-N.689	H. Three folders.
N.690	I.

**Private correspondence and invitations**

N.691	J.
N.692-N.698	K.  Seven folders.  Includes 10pp typescript entitled 'Homage to Chaudhri Muhammad Zafrulla Khan' by Salam.
N.699-N.701	M.  Three folders.
N.702	N.
N.703	P.
N.704	Q.
N.705, N.706	R.  Two folders.
N.707-N.710	S.  Four folders.
N.711	T.
N.712	V.
N.713	W.
N.714	Y.



**Private correspondence and invitations**

N.715	Z.
<b>N.716-N.754</b>	<b>1990-1991</b>
N.716-N.722	A.  Seven folders.
N.723, N.724	B.  Two folders.
N.725	C.  Includes 6pp annotated typescript entitled 'Excerpts from the Interview: (Quotations from Prof. Salam)'.  
N.726	D.
N.727	E.
N.728	F.
N.729	G.
N.730-N.732	H.  Three folders.
N.733	I.
N.734	J.

**Private correspondence and invitations**

N.735, N.736	K.  Two folders.
N.737-N.740	M.  Four folders.
N.741	N.
N.742	P.
N.743	Q.  Includes 7pp typescript entitled 'Abdus Salam: Leader of Science for the Third World' by A. Qadir.
N.744, N.745	R.  Two folders.
N.746-N.749	S.  Four folders.
N.750	T.
N.751	U.
N.752	W.
N.753	Y.



**Private correspondence and invitations**

N.754	Z.
<b>N.755-N.782</b>	<b>1992</b>
N.755-N.760	A. Six folders.
N.761, N.762	B. Two folders.
N.763	C.
N.764	D.
N.765	F.
N.766	G.
N.767	H.
N.768	I.
N.769	J.
N.770	K.
N.771	L.

**Private correspondence and invitations**

N.772-N.774            M.  
  
Three folders.

N.775                    N.

N.776                    P.

N.777                    Q.

N.778                    R.

N.779                    S.

N.780                    T.

N.781                    W.

N.782                    Z.

**N.783-N.803            1993.**

N.783-N.785            A.  
  
Three folders.

N.786                    B.

N.787                    C.



**Private correspondence and invitations**

N.788	H.
N.789	I.
N.790	J.
N.791, N.792	K.  Two folders.
N.793	L.
N.794	M.
N.795, N.796	N.  Two folders.  Includes 45pp typescript entitled 'Man and his Universe: A Treatise on Man's Ultimate Curiosity' by S. K. Niazi.
N.797	P.
N.798	Q.
N.799	R.
N.800	S.
N.801	T.
N.802	U, V.

**Private correspondence and invitations**

N.803	W-Z.
<b>N.804-N.819</b>	<b>1994.</b>
N.804-N.806	A. Three folders.
N.807	B.
N.808	C.
N.809	F.
N.810	G, H.
N.811, N.812	K. Two folders.
N.813	L.
N.814	M.
N.815	N.
N.816	Q, R.
N.817, N.818	S. Two folders.

**Private correspondence and invitations**

N.819	Y, Z.
<b>N.820-N.835</b>	<b>1995.</b>
N.820, N.821	A.  Two folders.
N.822	B.
N.823	C.
N.824	F.
N.825	G.
N.826, N.827	H.  Two folders.  Includes 5pp typescript entitled 'Abdus Salam - Past and Present' by P. Hoodbhoy.
N.828	I.
N.829	J.
N.830, N.831	K.  Two folders.
N.832	M.



**Private correspondence and invitations**

N.833 N, O.

N.834 Q-S.

N.835 Y, Z.

**N.836-N.849 S. M. Wasim Ahmad 1990-1996**

Salam was involved, with E. P. Wigner, in the creation of the Albert Einstein Society, Pakistan. From its foundation in 1981 S. M. Wasim Ahmad acted as the Society's secretary.

Correspondence and papers relating to the organisation and activities of the Society mainly sent to Salam for information were retained in a separate sequence of folders from 1990 onwards. This sequence also includes various drafts of texts by Ahmad on the history of theoretical physics, Einstein and Salam.

N.836-N.840 1990.

Five folders.

Includes 5pp typescript *re* Salam and Cambridge by N. Kemmer.

N.841-N.844 1991.

Four folders.

Includes 111pp typescript entitled 'Evolution of Einstein's Relativity' and *The Times of Albert Einstein*, ICTP by S. M. W. Ahmad.

N.845 1992.

N.846 1993.

N.847 1994.

**Private correspondence and invitations**

N.848 1995.

N.849 1996.

**N.850-N.1062**

**INVITATIONS**

**1973-1995**

This sub-section contains correspondence and papers relating to invitations addressed to Salam. Salam was invited to attend a large variety of events and ceremonies all over the world. He received requests to join societies, editorial boards and University convocations. He was also asked to lend his support to a huge number of local and international campaigns.

The original order of the material in this sub-section, sorted alphabetically by name of correspondent or organisation in seven chronological sections, has been preserved.

N.850-N.882 1973-1979

N.883-N.917 1980-1982

N.918-N.966 1983-1986

N.967-N.980 1987

N.981-N.1021 1988-1991

N.1022-N.1049 1992-1993

N.1050-N.1062 1994-1995.

**N.850-N.882**

**1973-1979**

N.850 A.

N.851 B.

N.852 C.

**Private correspondence and invitations**

N.853	D.
N.854	E.
N.855	F.
N.856	G.
N.857-N.860	H.  Four folders.  Includes correspondence and papers <i>re</i> Albert Einstein Centenary celebrations in Berne, Switzerland.
N.861	I.
N.862	J.
N.863	K.
N.864, N.865	L.  Two folders.  Includes correspondence <i>re</i> Salam's contribution to <i>The Encyclopedia of Science and Technology</i> .
N.866, N.867	M.  Two folders.
N.868, N.869	P.  Two folders.



**Private correspondence and invitations**

N.870, N.871	R.  Two folders.  Includes correspondence <i>re</i> Salam's contribution to <i>The Encyclopedia of Mathematics and its Applications</i> .
N.872	S.
N.873, N.874	T.
N.875-N.877	U.  Three folders.  Includes correspondence and papers <i>re</i> an Advisory Group on the Interdisciplinary Programme in UNESCO Concerning the Human Implications of Scientific Advance.
N.878	V.
N.879-N.881	W.  Three folders.
N.882	Z.
<b>N.883-N.917</b>	<b>1980-1982</b>
N.883	A.
N.884-N.886	B.  Three folders.
N.887	C.

**Private correspondence and invitations**

N.888	D.
N.889	E.
N.890	F.
N.891	G.
N.892	H.
N.893	I.
N.894	J.
N.895-N.897	K.  Three folders.  Includes 7pp typescript draft entitled 'Nuclear War - Nuclear Peace: A Course for Graduates and Undergraduates' by B. N. Kursunoglu.
N.898	L.
N.899, N.900	M.  Two folders.
N.901	N, O.
N.902, N.903	P.  Two folders.

**Private correspondence and invitations**

N.904, N.905	R.  Two folders.
N.906-N.910	S.  Five folders.  Includes 22pp typescript speech entitled 'Expatriate Nationals and Promotion of Education and Research in Developing Countries' given by Salam at the invitation of the Canadian Association for the Promotion of Research and Education in Pakistan, Ottawa, Canada, 23 September 1982.
N.911, N.912	T.  Two folders.
N.913	U.
N.914, N.915	V.  Two folders.
N.916	W.
N.917	Z.
<b>N.918-N.966</b>	<b>1983-1986</b>
N.918-N.920	A.  Three folders.
N.921, N.922	B.  Two folders.



**Private correspondence and invitations**

N.923-N.925                      C.  
  
Three folders.

N.926                                D.

N.927-E.929                      E.  
  
Three folders.

E.930-E.932                      F.  
  
Three folders.

N.933-N.935                      G.  
  
Three folders.

N.936, N.937                      H.  
  
Two folders.

N.938                                I, J.

N.939, N.940                      K.  
  
Two folders.

N.941, N.942                      L.  
  
Two folders.

N.943-N.947                      M.  
  
Five folders.

**Private correspondence and invitations**

N.948, N.949	N.  Two folders.
N.950	O.
N.951-N.953	P.  Three folders.  Includes 22pp typescript <i>re</i> international aspects of science and technology submitted by Salam for inclusion in the proceedings of the Wiagani Seminar, Papua New Guinea, 1984.
N.954	R.
N.955-N.960	S.  Six folders.  Includes correspondence and papers <i>re</i> 2nd World Forum: Science for Society, The Hague, 29 May-3 June 1985.
N.961, N.962	T.  Two folders.
N.963	U.
N.964	V.
N.965	W.
N.966	Z.

**Private correspondence and invitations**

**N.967-N.980                      1987**

N.967                      A.

N.968                      B.

N.969                      C.

N.970                      D.

N.971                      E.

N.972                      G.

N.973                      H-J.

N.974                      K-L.

N.975                      M.

N.976                      N.

N.977                      P.

N.978                      R.

N.979                      S.



**Private correspondence and invitations**

N.980 T, U.

**N.981-N.1021 1988-1991**

N.981-N.983 A.  
Three folders.

N.984-N.986 B.  
Three folders.

Includes papers *re* the Future Actions Committee of the CHEMRAWN VII Conference, Baltimore, USA, 2-6 December 1991, of which Salam was a member.

N.987 C.

N.988, N.989 D.  
Two folders.

N.990 E.

N.991 F.

N.992, N.993 G.  
Two folders.

N.994 H.

N.995 J.

**Private correspondence and invitations**

N.996, N.997	I.  Two folders.  Includes papers <i>re</i> the International Technological University.
N.998, N.999	K.  Two folders.
N.1000	L.
N.1001-N.1003	M.  Three folders.
N.1004	N.
N.1005	O.
N.1006-N.1008	P.  Three folders.
N.1009, N.1010	R.  Two folders.
N.1011-N.1014	S.  Four folders.
N.1015-N.1017	T.  Three folders.

**Private correspondence and invitations**

N.1018	U.
N.1019	V.
N.1020	W.
N.1021	X-Z.
<b>N.1022-N.1049</b>	<b>1992-1993</b>
N.1022	A.
N.1023	B.
N.1024-N.1026	C. Three folders.
N.1027	D.
N.1028	E.
N.1029	F.
N.1030	G.
N.1031	H.
N.1032	I.



**Private correspondence and invitations**

N.1033	K.
N.1034	L.
N.1035, N.1036	M. Two folders.
N.1037-N.1039	N. Three folders.
N.1040, N.1041	P. Two folders.
N.1042	R.
N.1043-N.1045	S. Three folders.
N.1046	T, U.
N.1047, N.1048	V. Two folders.
N.1049	W-Z.
<b>N.1050-N.1062</b>	<b>1994-1995</b>
N.1050	A, B.

**Private correspondence and invitations**

N.1051	C.
N.1052	D, E.
N.1053	F, G.
N.1054, N.1055	I. Two folders.
N.1056	J.
N.1057, N.1058	K. Two folders.
N.1059	M, N.
N.1060	P.
N.1061	S.
N.1062	W.

**Private correspondence and invitations**

**N.1063-N.1271                      MISCELLANEOUS                      1975-1990**

N.1063-N.1163 'SISSA and Others'

N.1164-N.1206 'Articles and People'

N.1207-N.1271 'Miscellaneous'

**N.1063-N.1163                      'SISSA and Others'                      1976-1990**

The Scuola Internazionale Superiore di Studi Avanzati (International School for Advanced Studies) (SISSA/ISAS) based in Trieste offered research and study programmes in close collaboration with ICTP. When appropriately qualified students wrote to Salam requesting help with their academic careers he would sometimes recommend that they applied for courses at ICTP or SISSA or other institutions.

See also H.276-H.278.

The original order of the material in this sub-section, sorted alphabetically by name of correspondent in three chronological sections, has been preserved.

N.1063-N.1089 1976-1982

N.1090-N.1125 1983-1986

N.1126-N.1163 1987-1990

**N.1063-N.1089                      1976-1982**

N.1063, N.1064

A.

Two folders.

N.1065-N.1067

B.

Three folders.

N.1068

C.



**Private correspondence and invitations**

N.1069	D.
N.1070	F-H.
N.1071	I-K.
N.1072-N.1075	L. Four folders.
N.1076, N.1077	M. Two folders.
N.1078	N, O.
N.1079	P.
N.1080	R.
N.1081-N.1086	S. Six folders.
N.1087	T.
N.1088	W.
N.1089	Y.

**Private correspondence and invitations**

**N.1090-N.1125      1983-1986**

N.1090-N.1095      A.  
Six folders.

N.1096-N.1098      B.  
Three folders.

N.1099      C.

N.1100, N.1101      D.  
Two folders.

N.1102      E, F.

N.1103      G.

N.1104, N.1105      H.  
Two folders.

N.1106      I.

N.1107, N.1108      K.  
Two folders.

N.1109      L.

**Private correspondence and invitations**

N.1110-N.1112      M.  
  
Three folders.

N.1113              N, O.

N.1114              P.

N.1115              Q.

N.1116-N.1118      R.  
  
Three folders.

N.1119-N.1122      S.  
  
Four folders.

N.1123              T.

N.1124              V, W.

N.1125              X-Z.

**N.1126-N.1163      1987-1990**

N.1126-N.1131      A.  
  
Six folders.

N.1132, N.1133      B.  
  
Two folders.



**Private correspondence and invitations**

N.1134, N.1135	C.  Two folders.
N.1136	D.
N.1137	E.
N.1138	F.
N.1139	G.
N.1140, N.1141	H.  Two folders.
N.1142	I.
N.1143, N.1144	J.  Two folders.
N.1145-N.1148	K.  Four folders.
N.1149	L.
N.1150-N.1152	M.  Three folders.
N.1153	N, O.

**Private correspondence and invitations**

N.1154, N.1155	P.  Two folders.
N.1156, N.1157	R.  Two folders.
N.1158-N.1160	S.  Three folders.
N.1161	T.
N.1162	U, V.
N.1163	W-Z.

**Private correspondence and invitations**

**N.1164-N.1206**

**'Articles and people'**

**1979-1982**

Salam received a large number of articles, drafts and notes from students of physics, mathematics, engineering, medicine, the history of science, cosmology, Islamic studies and zoology.

Correspondence concerning papers sent to Salam for comment or appraisal (mainly by students from developing countries) appears to have been kept in a separate sequence for a short period between 1979 and 1982. This material closely resembles that which appears in the private correspondence and private correspondence: Pakistan sub-sections.

See also N.1-N.593 and N.594-N.849.

The material is divided into two chronological sequences, sorted alphabetically by name of correspondence.

N.1164-N.1178 1979-1980

N.1179-N.1206 1981-1982

**N.1164-N.1178**

**1979-1980**

N.1164

A.

N.1165

B.

N.1166

D.

N.1167

E, F.

N.1168

G.

N.1169

H.

N.1170

I, J.



**Private correspondence and invitations**

N.1171	K.
N.1172, N.1173	M. Two folders.
N.1174	P.
N.1175	Q.
N.1176	R.
N.1177	S.
N.1178	T-W.
<b>N.1179-N.1206</b>	<b>1981-1982</b>
N.1179	A.
N.1180, N.1181	B. Two folders.
N.1182-N.1184	C. Three folders.
N.1185	D.
N.1186	E, F.

**Private correspondence and invitations**

N.1187	G.
N.1188	H.
N.1189	J.
N.1190	K.
N.1191	L.
N.1192, N.1193	M. Two folders.
N.1194	O.
N.1195	P.
N.1196, N.1197	R. Two folders.
N.1198-N.1202	S. Five folders.
N.1203	T.
N.1204	U, V.
N.1205	W.

**Private correspondence and invitations**

N.1206

Z.

**N.1207-N.1271**

**'Miscellaneous'**

**1975-1985**

Contents of folders inscribed 'Miscellaneous' consisting mainly of short letters of congratulation or condolence sent by Salam to fellow scientists and their families.

The original order of the material in this sub-section, sorted alphabetically by name of correspondent in three chronological sections, has been preserved.

N.1207-N.1236    1975-1980

N.1237-N.1254    1981-1982

N.1255-N.1271    1983-1985

**N.1207-N.1236**

**1975-1980**

N.1207-N.1209

A.

Three folders.

N.1210, N.1211

B.

Two folders.

N.1212, N.1213

C.

Two folders.

N.1214, N.1215

D.

Two folders.

N.1216

E.



**Private correspondence and invitations**

N.1217	F.
N.1218	G.
N.1219	H.
N.1220	I, J.
N.1221	K.
N.1222	L.
N.1223-N.1225	M. Three folders.
N.1226	N.
N.1227	O.
N.1228, N.1229	P. Two folders.
N.1230, N.1231	R. Two folders.
N.1232	S.
N.1233	T.

**Private correspondence and invitations**

N.1234	U, V.
N.1235	W.
N.1236	Z.
<b>N.1237-N.1254</b>	<b>1981-1982</b>
N.1237, N.1238	A. Two folders.
N.1239	B.
N.1240	C.
N.1241	D.
N.1242	E, F.
N.1243	G, H.
N.1244	I-K.
N.1245	L.
N.1246	M.
N.1247	N, O.

**Private correspondence and invitations**

N.1248	P.
N.1249	Q.
N.1250	R.
N.1251, N.1252	S. Two folders.
N.1253	T-V.
N.1254	W-Z.
<b>N.1255-N.1271</b>	<b>1983-1985</b>
N.1255	A.
N.1256	B.
N.1257-N.1259	C. Three folders.
N.1260	D.
N.1261	E, F.
N.1262	G.



**Private correspondence and invitations**

N.1263	H-J.
N.1264	K, L.
N.1265	M.
N.1266	N, O.
N.1267	P-R.
N.1268, N.1269	S. Two folders.
N.1270	T.
N.1271	U-Z.

**SECTION O**

**REFERENCES AND RECOMMENDATIONS**

**O.1-O.351**

This section contains material relating to the large number of requests for references and recommendations received by Salam between 1965 and 1996 from students, scientists and potential employers all over the world. Salam's assistance was sought on a wide range of subjects from the suitability of candidates for a particular post or scholarship to the readiness of scientific papers for publication. The prestige of his Nobel Prize gave Salam added prominence in Pakistan where he was already greatly admired by young scientists who wrote to him for practical help and intellectual guidance. Correspondence with students and academics based in Pakistan was placed into a separate filing sequence at ICTP.

This section also contains material relating to Salam's nomination of candidates for various scientific and non-scientific prizes and awards.

See also N.1-N.849.

O.1-O153	LETTERS OF RECOMMENDATION AND ADVICE
O.154-O.220	LETTERS OF RECOMMENDATION AND ADVICE: PAKISTAN
O.221-O.284	RECOMMENDATIONS ON PAPERS AND PROJECTS
O.285-O.345	AWARDS AND PRIZES
O.346-O.351	'UNIVERSITIES GENERAL'

## References and recommendations

**O.1-O.153**

### **LETTERS OF RECOMMENDATION AND ADVICE**

**1965-1994**

This sub-section contains material relating to requests for recommendations, references and advice about individuals, received by Salam from potential employers and employees. It includes copies of Salam's letters of recommendation, cvs, job applications and letters of thanks. Less formal correspondence with Salam's closest colleagues concerning the suitability of candidates for particular posts can also be found in this sub-section.

The presentation follows the existing order of arrangement sorted alphabetically according to the name of the subject of the reference or recommendation and divided into five chronological sequences.

O.1-O.52      1965-1980

O.53-O.67      1981-1982

O.68-O.87      1983-1986

O.88-O.134      1987-1991

O.135-O.153      1992-1994

**O.1-O.52**

**1965-1980**

O.1-O.4

A.

Four folders.

O.5, O.6

B.

Two folders.

O.7, O.8

C.

Two folders.

O.9, O.10

D.

Two folders.



**References and recommendations**

O.11	E.
O.12	F.
O.13-O.15	G Three folders.
O.16-O.19	H. Four folders.
O.20-O.22	I. Three folders.
O.23-O.26	K. Four folders.
O.27	L.
O.28-O.30	N.
O.31	O.
O.32-O.36	P. Five folders.
O.37-O.40	R. Four folders.

### References and recommendations

O.41-O.46                      S.  
  
Six folders.

O.47                              T.

O.48                              U.

O.49, O.50                      W.  
  
Two folders.

O.51                              Y.

O.52                              Z.

**O.53-O.67                      1981-1982**

O.53                              A.

O.54                              B.

O.55                              C.

O.56                              F.

O.57                              G.

O.58                              H.

### References and recommendations

O.59	L.
O.60	M.
O.61	N.
O.62	P.
O.63, O.64	S. Two folders.
O.65	T.
O.66	U.
O.67	Z.
<b>O.68-O.87</b>	<b>1983-1986</b>
O.68, O.69	A. Two folders.
O.70	B.
O.71	C.
O.72	F.



References and recommendations

O.73	G.
O.74	H.
O.75	J.
O.76	K.
O.77	L.
O.78	M.
O.79	N.
O.80, O.81	P. Two folders.
O.82	R.
O.83	S.
O.84	T.
O.85	V
O.86	W.
O.87	Z.

**References and recommendations**

<b>O.88-O.134</b>	<b>1987-1991</b>
O.88-O.90	A. Three folders.
O.91-O.95	B. Five folders.
O.97	C
O.98	D.
O.99	E.
O.100	F.
O.101	G.
O.102, O.103	H. Two folders.
O.104	I.
O.105	J.
O.106, O.107	K. Two folders.

### References and recommendations

O.108, O.109	L.  Two folders.
O.110-O.113	M.  Four folders.
O.114	N.
O.115	O.
O.116-O.118	P.  Three folders.
O.119	Q.
O.120-O.123	R.  Four folders.
O.124-O.128	S.  Five folders.
O.129	T.
O.130-O.132	U.  Three folders.
O.133	V.



**References and recommendations**

O.134	Y.
<b>O.135-O.153</b>	<b>1992-1994</b>
O.135	A.
O.136-O.138	B. Three folders.
O.139	C.
O.140	F.
O.141	G.
O.142	H.
O.143	J.
O.144	K.
O.145	M.
O.146	O.
O.147	P.
O.148	R.

### References and recommendations

O.149, O.150      S.  
Two folders.

O.151      T.

O.152      V.

O.153      Z.

<b>O.154-O.220</b>	<b>LETTERS OF RECOMMENDATION AND ADVICE: PAKISTAN</b>	<b>1965-1986</b>
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This sub-section contains material relating to requests for references and advice about individuals of Pakistani nationality, received by Salam from potential employers and employees. It includes copies of Salam's letters of recommendation, appeals for financial assistance and academic guidance, cvs, job applications and letters of thanks.

The presentation follows the existing order of arrangement sorted alphabetically according to the name of the subject of the reference or recommendation and divided into two chronological sequences.

O.154-O.199      1965-1980

O.200-O.220      1981-1986

<b>O.154-O.199</b>	<b>1965-1980</b>
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O.154, O.155      B.  
Two folders.

### References and recommendations

O.156-O.158	C.  Three folders.
O.159	D.
O.160	F.
O.161	G.
O.162-O.166	H.  Five folders.
O.167, O.168	I.  Two folders.
O.169	J.
O.170-O.176	K.  Seven folders.
O.177-O.180	M.  Four folders.
O.181	N.
O.182	P.



### References and recommendations

O.183, O.184	Q.  Two folders.
O.185-O.188	R.  Four folders.
O.189-O.193	S.  Five folders.
O.194	T.
O.195	U.
O.196	V.
O.197	W.
O.198	Y.
O.199	Z.
<b>O.200-O.220</b>	<b>1981-1986</b>
O.200-O.202	A.  Three folders.
O.203	B.

**References and recommendations**

O.204	C.
O.205	D.
O.206	F.
O.207	G.
O.208	H.
O.209	I.
O.210	J.
O.211, O.212	K. Two folders.
O.213, O.214	M. Two folders.
O.215	O.
O.216	Q.
O.217	R.
O.218, O.219	S. Two folders.

## References and recommendations

O.220

Z.

**O.221-O.284**

**RECOMMENDATIONS ON PAPERS AND PROJECTS**

**1971-1994**

This sub-section contains material relating to recommendations, advice and references given by Salam concerning particular scientific work and writing. It includes informal requests for Salam's opinion on papers prior to publication, correspondence concerning Salam's reviews of papers to be published in journals and copies of draft papers sent to Salam for comment or information.

The presentation follows the existing order of arrangement sorted alphabetically according to the name of the author, originator or publisher of the work and divided into three chronological sequences.

O.221-O.257    1971-1980

O.258-O.273    1981-1986

O.274-O.284    1987-1994

**O.221-O.257**

**1971-1980**

O.221-O.223

A.

Three folders.

O.224

B.

O.225

C.

O.226

D.

O.227-O.229

E.



**References and recommendations**

Three folders.

O.230, O.231

F.

Two folders.

O.232

G.

O.233

H.

O.234

J.

O.235-O.237

K.

Three folders.

O.238, O.239

L.

Two folders.

O.240, O.241

M.

Two folders.

O.242, O.243

N.

Two folders.

O.244

O.

O.245

P.

O.246, O.247

R.

Two folders.

References and recommendations

O.248-O.251      S.  
Four folders.

O.252      T.

O.253      U.

O.254      V.

O.255      W.

O.256      Y.

O.257      Z.

**O.258-O.273      1981-1986**

O.258      A.

O.259      B.

O.260      C.

O.261, O.262      D.  
Two folders.

O.263      G.

### References and recommendations

O.264	H.
O.265	J, K.
O.266	L.
O.267	M.
O.268	N.
O.269	P.
O.270	Q.
O.271	S.
O.272	T.
O.273	Z.
<b>O.274-O.284</b>	<b>1987-1994</b>
O.274	B.
O.275	G.
O.276	H.



### References and recommendations

O.277	I.
O.278	L.
O.279	M.
O.280	O.
O.281	P.
O.282, O.283	R.  Two folders.
O.284	V.

**O.285-O.345**

### **AWARDS AND PRIZES**

**1971-1996**

This sub-section contains material relating to Salam's nomination of individuals for various prizes, scholarships, awards and fellowships.

The presentation is alphabetical by name of the prize.

O.285	Africa Prize for Leadership for the Sustainable End of Hunger.  Correspondence and papers <i>re</i> Salam's nomination of candidates, 1990-1991.
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### References and recommendations

- O.286-O.291      Albert Einstein World Award for Science, Consejo Cultural Mundial.  
  
Correspondence and papers *re* Salam's nominations of candidates, 1984-1996.  
  
Six folders.
- O.292              Australia Prize.  
  
Papers *re* Salam's nomination of candidates, 1995.
- O.293              Axel Munthe Award.  
  
Correspondence *re* the presentation ceremony, 1991.
- O.294              Balzam Prize.  
  
Papers *re* nominations, 1994.
- O.295              Benjamin Franklin National Memorial Awards.  
  
Papers *re* the nomination of candidates, 1989-1995.
- O.296              Blue Planet Prize.  
  
Papers *re* the nomination of candidates, 1995.
- O.297              Erice Science for Peace Prize.  
  
Papers and correspondence *re* the nomination of candidates, 1988-1994.
- O.298              IDEA (Innovations for Development Association) Awards.  
  
Papers and correspondence *re* the nomination of candidates, 1990.

### References and recommendations

- O.299                      International Cultural Forum Abdus Salam Prize.
- The prize was instituted in honour of Salam in 1992.
- Correspondence *re* the possibility of Salam presenting the prize in person, 1993-1994.
- O.300                      Italgas Prize for Research and Innovation.
- Correspondence and papers *re* the nomination of candidates, 1991.
- O.301-O.306              King Faisal International Prize.
- Correspondence and papers *re* Salam's nominations of candidates and material sent to Salam for information, 1985-1995.
- Six folders.
- O.307-O.322              Nobel Prize.
- Papers and correspondence *re* Salam's nomination of candidates, 1980-1995.
- O.307                      1980, 1981.
- O.308                      1983.
- O.309                      1985.
- O.310                      1986.
- O.311                      1987.
- O.312                      1988.



### References and recommendations

O.313, O.314	1989.  Two folders.
O.315, O.316	1990.  Two folders.
O.317, O.318	1991.  Two folders.
O.319	1992.
O.320	1993.
O.321	1994.
O.322	1995.
O.323-O.326	J. Robert Oppenheimer Memorial Prize.  Papers and correspondence <i>re</i> the selection committee and Salam's nomination of candidates, 1971-1974.  Four folders.
O.327-O.333	Pakistan Science Foundation.  Correspondence and papers <i>re</i> Salam's views on the suitability of particular candidates for the post of Chairman of the Foundation, 1989.  Seven folders.

### References and recommendations

- O.334-O.339 Pontifical Academy of Science.  
  
Correspondence and papers *re* the nomination of candidates for election to the Academy, 1989-1995.  
  
Six folders.
- O.340 Premi International Catalunya.  
  
Correspondence and papers *re* the nomination of candidates, 1994-1996.
- O.341-O.343 Third World Prize.  
  
Correspondence and papers *re* Salam's nomination of candidates, 1980-1988.  
  
Three folders.
- O.344, O.345 Threshold Award.  
  
Salam served on the Selection Committee.  
  
Correspondence and papers *re* Salam's nominations, 1979-1980.  
  
Two folders.
- O.346-O.351 **'UNIVERSITIES GENERAL'** **1964-1974**  
  
Contents of folder so inscribed divided into six for ease of reference.  
  
Correspondence and papers *re* research and other academic posts, scholarships and awards available at various institutions and organisations. Principally general announcements and publicity notices for circulation and display at ICTP, 1964-1974.  
  
Six folders.