

Catalogue of the papers and correspondence of

DAVID JOSEPH BOHM FRS

(1917-1992)

Compiled by Timothy E. Powell and Peter Harper

Deposited in the Library,
Birkbeck College,
London

NCUACS 66/4/97

All rights reserved
University of Bath 1997

The work of the National Cataloguing Unit for the Archives of Contemporary Scientists, and the production of this catalogue, are made possible by the support of the following societies and organisations:

The Biochemical Society

The Geological Society

The Higher Education Funding Council for
England

The Institute of Physics

The Royal Society

The Wellcome Trust

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

THE LIBRARIAN
BIRKBECK COLLEGE
LONDON

LIST OF CONTENTS

	Items	Page
GENERAL INTRODUCTION		4
SECTION A BIOGRAPHICAL	A.1-A.130	8
SECTION B DRAFTS, PUBLICATIONS AND LECTURES	B.1-B.82	27
SECTION C CORRESPONDENCE	C.1-C.92	37
INDEX OF CORRESPONDENTS		50

GENERAL INTRODUCTION

PROVENANCE

The papers were received in March 1995 from Professor B.J. Hiley, Birkbeck College London.

OUTLINE OF THE CAREER OF DAVID JOSEPH BOHM

Bohm was born in Wilkes-Barre, Pennsylvania, on 20 December 1917. He studied at Pennsylvania State University, graduating in 1939, then moved to the California Institute of Technology for post-graduate work, completing his Ph.D. on neutron-proton scattering in 1943 at the University of California at Berkeley under J.R. Oppenheimer. In 1947, after working on the Manhattan Project at the Berkeley Radiation Laboratory, he was appointed Assistant Professor at Princeton University. His first book *Quantum Theory* was published in 1951 and was well received by Einstein and Pauli among others.

While working at the Berkeley Radiation Laboratory Bohm had been active in the Federation of Architects, Engineers, Chemists and Technicians (FAECT) trade union. The activities of FAECT at the Radiation Laboratory had occasioned some concern during the war and in 1949, as Cold War tensions increased, the House Committee on Un-American Activities began to investigate staff who had been working there. As a member of FAECT and as a former member of the Communist Party (he joined in 1942 but left a year later) Bohm came under suspicion. He was called upon to testify before the Committee on 25 May and 10 June 1949 but pleaded the Fifth Amendment refusing to give evidence against colleagues.

In September 1949 the Soviet Union tested its first atomic device and it was thought that atomic bomb secrets must have been passed to the USSR. Pressure to uncover Soviet spies was intensified. It was alleged that Bohm and other members of the FAECT were members of a Communist cell working at Berkeley during the war. In December 1950 Bohm was charged with Contempt of Congress for refusing to answer questions about colleagues before the Committee and arrested. He was acquitted in May 1951. However, Princeton University had suspended Bohm in December 1950, barring him from the University, and after his acquittal refused to renew his contract, despite support from Einstein and others, thus effectively dismissing him.

Bohm left for Brazil in 1951 where he was appointed Professor of Physics at the University of São Paulo. Having surrendered his US passport Bohm found himself unable to leave Brazil and so took Brazilian citizenship. Bohm left Brazil in 1955, moving to Israel where he spent two years at the

Technion at Haifa. Here he met his wife Saral, who was to become an important figure in the development of his ideas. In 1957 Bohm left Israel for the UK. He held a research fellowship at Bristol University until 1961, when he was made Professor of Theoretical Physics at Birkbeck College London. After retirement in 1987 he continued research and he was elected to the Fellowship of the Royal Society in 1990. Bohm died in 1992.

Bohm made a number of significant contributions to physics, particularly in the area of quantum mechanics. As a post-graduate at Berkeley he discovered that in a high temperature gas (plasma), electrons that have been stripped from atoms do not behave as single particles but as part of an organised whole, making collective movements, now known as 'Bohm-diffusion'. *Quantum Theory* was followed by his second physics book *Causality and Chance in Modern Physics*, published in 1957. Both became standard textbooks, being reprinted in later years. In 1959, with his student Yakir Aharonov, he discovered the 'Aharonov-Bohm effect', the first demonstration of how an isolated line of magnetic force could affect electrons around it without actually contacting it, so showing how a vacuum could produce striking physical effects. His third book, *The Special Theory of Relativity*, was published in 1965.

Bohm developed an unorthodox approach to quantum theory, described by his *Nature* obituarist as follows:

'Dissatisfied with the orthodox Copenhagen interpretation, which he had beautifully expounded in his text book *Quantum Theory* in 1951, he published a preliminary investigation of what came to be known as the causal interpretation in 1952. This was a hidden-variables approach, in which the exact location of the particle played the role of the hidden variable and the standard quantum-mechanical predictions were deduced by including an extra term, the "quantum potential" in the classical Hamilton-Jacobi equation. Effectively, the theory involved waves *and* particles instead of the orthodox waves *or* particles'.

Bohm's scientific and philosophical views were inseparable. His holistic world-view posited an implicate order of inter-connectedness. He expressed his approach to philosophy and physics in his 1980 book *Wholeness and the Implicate Order*. The central theme pursued is that of the 'enfolded' or 'implicate order', in which forms emerge as distinct entities from the universe, but are reabsorbed into it again later in a never-ending process. The most complete statement of Bohm's approach is described in *Science, Order and Creativity*, written with F.D. Peat and published in 1987.

In 1959 Bohm came across a book by the Indian philosopher J. Krishnamurti. He was struck with how his own scientific views on quantum mechanics and modern physics meshed with the philosophical perspective on consciousness advanced by Krishnamurti. The two first met in 1961

and over the following years had many conversations or dialogues, being published as *Truth and Actuality* (1980), *The Ending of Time* (1985) and *The Future of Humanity* (1986).

In his later years, partly through his connection with Krishnamurti, Bohm developed the technique of Dialogue, in which a group of individuals engaged in constructive verbal interaction with each other. Out of the Dialogue Bohm believed a more powerful group creativity would emerge, which would transcend the divisions between individuals in the group. He believed that if carried out on a sufficiently wide scale these group Dialogues could help overcome fragmentation in society. Bohm led a number of Dialogues in the 1980s and early 1990s, the most well-known being those held at Ojai Grove School in California. From this a number of 'Bohmian Dialogue' groups appeared utilising Bohm's development of the Dialogue.

For further information on David Bohm see *Infinite Potential: The Life and Times of David Bohm* by F.D. Peat (Addison-Wesley, 1996).

DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the list of contents. It spans 1933-1996.

Section A, Biographical, contains considerable material relating to the impact of Bohm's ideas on others. There are obituaries of and tributes to Bohm, transcripts and published versions of interviews, discussions and Dialogues with Bohm, including those at Ojai, California. In his later life Bohm's ideas attracted much interest and there are significant number of articles and papers inspired by him. Material directly recording his life and career is comparatively slight but there are papers relating to Bohm's difficulties with the House Committee on Un-American Activities 1949-1951. There is a list of Bohm's publications at A.130.

Section B, Drafts, publications and lectures, includes drafts by Bohm of mostly unpublished papers and lectures. There are some drafts on quantum theory although the bulk are of a philosophical nature. The section also includes copies of a few of his published works and book reviews by others of Bohm's work. In addition there are drafts by F.D. Peat drawing on Bohm's work which were found with the papers.

Section C, Correspondence, is divided into two. There is a sequence of general correspondence, including photocopied correspondence with Einstein ca.1950-1954. The letters include discussion of quantum theory as well as Einstein's advice on Bohm's career. Other significant correspondents are R. Karnette, H.M. Loewy and M. Phillips. The section also includes a set of photocopies of the

voluminous correspondence on a wide range of philosophical and scientific subjects with the American artist and theorist Charles J. Biederman, spanning 1960-1969.

There is also an index of correspondents.

ACKNOWLEDGEMENTS

We are very grateful to Professor Hiley for making the papers available. We would also like to thank Dr Olival Freire Jr for advice and making available photocopies of material held in Brazil.

Timothy E. Powell
Peter Harper
BATH 1997

SECTION A	BIOGRAPHICAL	A.1-A.130
	A.1-A.22	OBITUARIES AND TRIBUTES
	A.23-A.58	INTERVIEWS, DISCUSSIONS AND DIALOGUES
	A.59-A.71	OJAI DIALOGUES
	A.72-A.107	ARTICLES AND PAPERS ABOUT BOHM'S WORK
	A.108-A.129	LIFE AND CAREER
	A.130	BIBLIOGRAPHY

Biographical

OBITUARIES AND TRIBUTES

A.1-A.4	Obituaries
A.5-A.12	'Obituary letters'
A.13-A.19	Tributes and memorials
A.20-A.22	Biography of Bohm

Obituaries

- A.1 B. J. Hiley, *Independent*, 30 October 1992, and David Stevens, *Independent*, 11 November 1992.
- Daily Telegraph*, 3 November 1992.
- J.C. Polkinghorne and Mary Cadogan, *Guardian*, 3 November 1992.
- M.I.G. Redhead, *Nature*, 12 November 1992.
- Jewish Chronicle*, 13 November 1992.
-
- A.2 Eric Page, *New York Times*, 29 October 1992.
- Times Leader* (Wilkes-Barre), [?29 October 1992].
- Boston Globe*, 30 October 1992.
- San Jose Mercury News*, 29 October 1992
- Paavo Pylkkänen, *Helsingin Sanomat*, 2 November 1992. (In Finnish)
- A.L. da Rocha Barros, 'Boletim Informativo', Instituto de Física, São Paulo, Brazil, 12 November 1992. (In Portuguese)
- Olival Freire Jr, *A Classe Operária* (São Paulo, Brazil), 23 November 1992. (In Portuguese)

Biographical

- A.3 *Birkbeck Bulletin*, December 1992.

 'Dialogue Quarterly Newsletter,' December 1992.

 David Pines, *Physics World*, March 1993.

 The View, Rigpa International Newsletter, Spring 1993.

 S. Goldstein, *Physics Today*, August 1994.

- A.4 Miscellaneous and unidentified.

'Obituary Letters'

Contents of two bulky folders so inscribed: letters of condolence and reminiscence sent to Saral Bohm on her husband's death.

The letters were numbered 1-178 (numbers 151-159 not used), the first folder containing letters 1-80 and the second 81-150 and 160-178, with a list of correspondents at the front of each folder.

- A.5 Lists of correspondents.
- A.6-A.12 Letters of condolence, retained in original order. Unindexed. 7 folders.

Tributes and memorials

- A.13 Meeting of Plasma Physics Division, American Physical Society, Seattle, 18 November 1992.

 Notes on the career of David Bohm' by W. Gekelman, 3pp typescript, with covering letter to Saral Bohm.

 'In memoriam, David Bohm', by T.H. Stix, 2pp typescript, with covering letter to Saral Bohm.

Biographical

- A.14 'Bohm Memorial, December 3, 1992' by S. Schweher, 3pp typescript with manuscript annotation.
- A.15 'Professor David Bohm - A Tribute' by Donald Factor, Scientific and Medical Network Newsletter no. 50, December 1992.
- A.16 'Lifework of David Bohm. River of Truth' by William Keepin, *ReVision* 16 (Summer 1993).
- A.17 Note on David Bohm memorial meeting at Birkbeck College London, 5-6 May 1993 by Basil Hiley, *Birkbeck Bulletin*, July 1993.
- 'David Bohm In Memoriam 1918-1992', *New Dimensions* (Winter 1993).
- A.18 'A monumental embrace of totality. In living memory of David Bohm: 1917-1992', nd.
- A.19 Appeal leaflet for David Bohm Scholarship, Brockwood Park Krishnamurti Educational Centre, Hampshire.
- Appeal leaflet for donations in memory of Bohm to Oak Grove School library, Ojai, California.
- Woodland Trust Certificate for trees planted in memory of Bohm.
- Poem to members of 'Bohm Committee'. Covering letter refers to DQN [Dialogue Quarterly Newsletter].

Biography of Bohm

After his death David Peat, a colleague of Bohm's in Canada, began work on a biography. He wrote to colleagues of Bohm and advertised in *Physics Today* for recollections of Bohm.

Biographical

- A.20-A.22 'Letters to D. Peat (concerning Bohm's work etc) in connection with writing Bohm's biography'. Contents of folder so inscribed divided into three for ease of reference.
- A.20 Manuscript list of biographical material seen by Peat.
- A.21 Correspondence 1993.
- A.22 Correspondence 1994.

INTERVIEWS, DISCUSSIONS AND DIALOGUES

- A.23 'David Bohm and psychologists. The Nature of the Mind - 5 1982'.
19pp transcript of discussion between David Bohm, Jon Hidley and Tom Krause; covering letter 22 February 1992.
- A.24, A.25 Discussion between Bohm and Krishnamurti, 11 June 1983.
- A.24 'Chapter One', 36pp typescript.
- A.25 'Chapter 2', 32pp typescript.
- A.26-A.29 Transcripts of panel discussions held at Forum conference, September 1983.
- A.26 'Panel Discussion 10.9.83: David Bohm, Rupert Sheldrake, Fritjof, Francisco Varela', 31pp typescript.
- A.27 'Panel to the initial statement of the Dalai Lama', 15pp typescript.

Biographical

- A.28 'Panel 3. Perception of the World', 23pp typescript.
- A.29 'Concluding Panel', 20pp typescript.
- A.30 'Interview with David Bohm. Birkbeck College, 25th June 1986. Participants: David Bohm, Mark Edwards, Alan Hunter'.
28pp typescript.
- A.31, A.32 Interview with David Bohm by A. C. Wagner, July 1987.
43pp typescript. 2 folders.
- A.33-A.35 Conversations with David Moody at Ojai, California, November and December 1987.
See also Ojai Dialogues (A.59-A.71)
- A.33 16 November, 40pp typescript.
- A.34 ?1 December, 35pp typescript.
- A.35 ?8 December. 17pp typescript.
- A.36 Discussion with Sogyal Rinpoche, Max Velmans, John Crook and John Pickering, The Mind Body Group newsletter no. 2 (July 1989).

Interview with John Briggs, *New Age Journal* (September/October 1989), 44-49, 110-115.
- A.37 Interview with A. L. da Rocha Barros, 'O aparente e o oculto: entrevista com David Bohm', *Estudos Avancados* 4 (8) (1990), 188-198. (In Portuguese)

Biographical

- A.38, A.39 'Physics and the Laws of Nature', discussion with Saral Bohm and David Moody, 'circa 1989 or 1990'.
- A.38 'Verbatim transcription', 39pp typescript.
- A.39 Bound 'Edited transcription'.
- A.40 Plastic spiral bound transcript of Lee Nichol's 'Conversations with David Bohm' on 'Self, Society and Proprioception', Ojai, California, November 1989, and 'Imagination, Time and Being', Vancouver, Canada, April 1992.
- A.41-A.45 'Art meets Science and Spirituality in a changing economy', Amsterdam 1990.
- This event was an exhibition and a symposium bringing together artists, scientists, religious leaders and economists. To precede it a 'TV/Video Document of our Time' was filmed, featuring some of the main participants, including Bohm, for display at the event. Bohm was interviewed for this on 1 September 1989.
- At the main event in 1990 Bohm took part in a panel discussion alongside the artist Robert Rauschenberg, the Dalai Lama and the Soviet economist Stanislav Menshikov on 10 September.
- A.41 Brief correspondence *re* arrangements 1989; photographs of Bohm taken during filming for the interview; brochure, with brief biographical details of participants
- A.42 Transcript of interview, 24pp typescript.
- A.43 Plastic spiral bound copy of 'Treatment. Television/Video Document of our Time'.
- Bohm is featured as the first interviewee.
- A.44 Plastic spiral bound copy of 'Foto report on the shooting for Television/Video Document of our Time'.

Biographical

- A.45 Programme of main event.
- A.46 ' "Beyond Limits". A Conversation with Professor David Bohm'.
Published transcript of conversation between W.M. Angelos and Bohm, recorded by Dutch Television in September 1990.
- A.47 'Dialogues between Indigenous and Western Scientists, May 1992, Kalamazoo, Michigan', Fetzer Institute occasional paper.
The dialogue took place when Bohm was visiting the Institute as a Fetzer Scholar.
Bound draft of transcript sent to Saral Bohm, with covering letter.
- A.48 'Notes of last conversations with David Bohm October 28th 1992'.
2pp typescript, author unidentified.
- A.49-A.57 Contents of folder: typescript draft of long interview with Bohm probably for publication in book form.
The material is divided into two parts - 'Part I Thought and the Human Condition', comprising chapters 1 and 2 and 'Part 2 A Dialogue on Thought', with chapters 3-6.
- A.49, A.50 'Chapter 1 The World Crisis and Thought'. 2 folders.
- A.51 'Chapter 2 The Technological Ascent and the Psychological Descent of Man'.
- A.52, A.53 'Chapter 3 On the Nature of Thought'. 2 folders.
- A.54 'Chapter 4 Illusion and Reality'.
- A.55 'Chapter 5 Dialogue and Collective Thought'.

Biographical

- A.56 'Chapter 6 On Meaning'.
- A.57 Miscellaneous pages.
- A.58 'David Bohm on Abuse. Dialogue between David and Sara Bohm, and Zhixang and Zhendi Wang', nd.

18pp typescript.

OJAI DIALOGUES

Bohm led Dialogues at seminars at the Oak Grove School, Ojai, California. Edited transcripts of the dialogues were published.

- A.59 Leaflet re 1987 Ojai Dialogues.
- A.60 Plastic spiral bound edited transcript of 1987 Ojai Dialogues (4-6 December).
- A.61 'Transcript 1987 - Oak Grove School ?with teachers etc'. Contents of envelope so inscribed: 43pp typescript draft transcript of Ojai Dialogue from 5 December 1987.
- A.62 Plastic spiral bound edited transcript of 1988 Ojai Dialogues (11-13 November).
- A.63-A.68 '[...] Transcripts of some dialogues /Ojai etc/ [...] Meeting with students Oak Grove School Nov. 14, 1989'. Contents of folder so inscribed divided into six for ease of reference.
- A.63 'An account of eight discussions between Krishnamurti and a small group of people - August 1964 (made by D. Bohm)', 19pp typescript; booklet of *Writings by David Bohm* (Krishnamurti Foundation Trust, 1970).

Biographical

- A.64 'On interpretation' by Bohm, 2pp typescript ca.1976; typescript note on the finite 'on the occasion of the memorial for David's friend Dr M. Sagenkahn', November 1987.
- A.65 Transcript of session with Bohm at Organisational Learning Seminar, 5 October 1989, 92pp typescript.
- A.66 Booklet of 'David Bohm Meeting with Students, Oak Grove School, Ojai, California, November 14, 1989'.
- A.67 Draft of Ojai 'Dialogue I' , 1 December 1989.
- A.68 Draft of Ojai 'Dialogue II', 2 December 1989.
- A.69 *David Bohm On Dialogue* (Ojai, 1990), published transcript of meeting at Ojai on 6 November 1989.
- A.70 Plastic spiral bound edited transcript of 1989 Ojai Dialogues (1-3 December).
- A.71 'Dialogue Quarterly Newsletter', vol. 1 (June 1992).

As a result of Bohm's Dialogues, the Bohm Committee of Ojai which had organised the seminars established a newsletter in 1992 to keep participants in touch with each other and developments in the field.

ARTICLES AND PAPERS ABOUT BOHM'S WORK

- A.72 'Matter and metaphor', section of Ph.D. thesis by John Brigg dealing with Bohm's work. Includes interview with Bohm.

Typescript paginated 226-261 annotated 'First Draft, incomplete, 1981'.

Biographical

- A.73 'David Bohm's *Wholeness and the Implicate Order* an interpretative essay' by S. M. Rosen, *Man-Environment Systems* **12** (January 1982).
- A.74 'David Bohm' by R. Temple, *New Scientist*, 11 November 1982.
- A.75 'David Bohm's Suggestive Metaphors and Constructs: a psychological reading' by R. van Eckartsberg, summer 1983.
11pp typescript.
- A.76 Plastic spiral bound copy of 'David Bohm. The Implicate Order: Physics ↔ Theology. Conference Papers presented 22-23 April 1983. The Graduate Theological Union, Berkeley, California'.
Heavily annotated by Bohm.
- A.76A 'David Bohm, Post-Modernism, and the Divine' by T. Peters, 'Revised for publication January 18, 1984'.
The original paper was presented at the 'David Bohm' conference (A.76 above).
41pp typescript.
- A.77 'The Physics of Bohm and its relevance to Theology' by R.J. Russell, March 1984.
19pp typescript.
- A.78, A.79 'A Dialogic Faith', M.A. thesis by R.F. Lehmann, 1 December 1986.
50pp typescript. 2 folders.
- A.80 'A visit with David [Hockney] and Stanley Hollywood Hills 1987' by L. Weschler.
Hockney refers to reading Bohm's *Wholeness and the Implicate Order* and the influence it had on him. See also A.106.

Biographical

- A.81 'The Science of Wholeness: David Bohm's Natural Philosophy' by M. Toms, *New Dimensions Radio Network News* 15 (3), May-June 1988.
- A.82 6pp typescript outline for article on 'Dialogue' by Diana Durham, sent to Bohm for comment, 23 November 1988.
- A.83 'David Bohms virkelighed' by J. Bang and B. Lautrup, ca.1988.
15pp typescript proof. (In Danish)

Newspaper cuttings from Bohm's visit to Denmark, May 1989, covering Bohm's life and thought. (In Danish)
- A.84 'The nature of physical reality', *New Paradigms Newsletter* 7 (June 1989).
- A.85 Bound volume 'About Chromatics. To David Bohm', by F. Schandorr, 1989 (In English, Danish and German)
- A.86 Plastic spiral bound copy of ' "Implicate Order" and the Good Life: Applying David Bohm's Ontology in the Human World' by Ph.D. thesis by Ib Ravn, 1989.
- A.87, A.88 'A Passion for Clarity. The Life and Work of David Bohm' by W. M. Angelos.
- A.87 15pp typescript 'Corrected draft June 16, 1990'. With covering letter.
- A.88 Plastic spiral bound 'Overview draft June 25, 1990'.
- A.89 'Fra splittelse til helhet' by H.B. Tschudi (from Norwegian journal or newspaper), Oslo, 29 June 1990.

Copy of article (in Norwegian); 3pp typescript English language version titled 'From Fragmentation to Wholeness'.

Biographical

- A.90 'To the Lighthouse and Physics: the corresponding worlds of Virginia Woolf and David Bohm', author unidentified, November 1990.
29pp typescript.
- A.91 Bound copy of 'David Bohm and Dialogue' by Heather Parrish, December 1991.
- A.92 'Transforming the culture through dialogue', *Utne Reader*, March/April 1991.

'Quantum Philosophy' by J. Horgan, *Scientific American*, July 1992.
Includes references to Bohm's work on quantum theory.
- A.93 'Last words of a quantum heretic', *New Scientist*, 27 February 1993.
- A.94 'Sur les "Variables Cachées" de la Mécanique Quantique - Albert Einstein, David Bohm et Louis de Broglie' by M. Paty, *La Pensée* 292 (1993). (In French)
- A.95 'Bohm's Alternative to Quantum Mechanics' by D.Z. Albert, *Scientific American*, May 1994.
- A.96 'David Bohm: A Life of Dialogue between Science and Spirit' by W. Keepin, *Noetic Sciences Review*, Summer 1994.
- A.97 'David Bohm, sua estada no Brasil e a Teoria Quântica' by O. Freire Jr, M. Paty and A.L. da Rocha Barros, *Estudos Avancados* 8 (20) (1994), 53-82 (In Portuguese)
- A.98 'Bohm, Einstein e a Ciência no Brasil' by O. Freire Jr, in eds. I.C. Moreira and A.A. Passos Videira, *Einstein e o Brasil* (Rio de Janeiro, 1995), 261-271. (In Portuguese)

'The curse of the spirit' by J.D. Barrow, *New Scientist* 16 November 1996, 48-49.

Biographical

- A.99 References to Bohm in transcripts of interviews conducted by the American Institute of Physics' Center for History of Physics: L.H. Aller (1979), L. de Broglie (1963), E.E. Salpeter (1978), E.P. Wigner (1981).
- A.100-A.105 'Notes on Bohm's work /by whom?'/ Probably: Sean M. Kelly'. Contents of folder so inscribed divided into six for ease of reference: miscellaneous typescript drafts on aspects of Bohm's work. Nd.
- A.100 'Beyond Materialism and Idealism: reflections on the work of David Bohm and Edgar Morin' by S.M. Kelly, 20pp.
- A.101 'Meaning. Post-Structuralism. Deconstruction', 14pp

'Quantum measurement. Superselection and Quantum Potential', 4pp, annotated 'Dave: This is a very brief summary of work I did several years ago [...]
- A.102 'David Bohm's implied order and the principles of orthophysics', 8pp.

'Bohm's notion of order', 2pp.

'Order', 4pp.

'The role and significance of order', 2pp.
- A.103 'Order in Art and Science', 2pp.

'Structuralism and order. Metaphor and science', 3pp.

'Metaphor and movement', 2pp.

'Metaphor and language', 2pp.

'Is there a distinct boundary between Formal and Informal languages?', 3pp.
- A.104 'Categories and deception', 3pp.

'Bohm on perception communication', 2pp.

'Perception-communication', 3pp.

/...

Biographical

/...

'Subtle changes of meaning', 1p.

'Reductionism and dualism', 1p.

A.105

'Science and history', 2pp.

'Orders of space and time', 2pp.

'Evolution', 2pp.

'Somatic selection and adaptive evolution' ?by E.J. Steele, 1p.

'Boundaries and barriers', 1p.

'Chance', 1p.

'Gaia hypothesis', 1p.

A.106

'Bohmedallions' by R. Zend.

Collection of typescript poems so titled. Nd.

'Tea with Mr Hockney' by J. Cornwell, extract of magazine article in which Hockney refers to work of Bohm (p.40). Nd. See also A.80.

A.107

Miscellaneous photocopies etc of shorter pieces on Bohm and his work.

LIFE AND CAREER

A.108-A.112

Photocopies of manuscript essays and notes by Bohm.

A.108

Inventions:

'The Vertical Wing Tip', June 1933.

'A Non-Drip Rim for Bottles', September 1933.

'The All Wave Superheterodyne', 22 January 1934.

/...

Biographical

/...

'Internal combustion turbine', nd.

'The Two-Stroke Cycle Compression-Ignition Engine', nd.

'D.C. Electric Motors', nd.

A.109

Letter to editor of 'Wonder Stories', 1933.

Doodles and jottings.

Mathematics notes, nd.

A.110

'General Theory of the Cosmos. Part I. The Static Inter-Relations of Space, Time and Matter', nd.

'Part II. The Dynamic Inter-Relations of Space, Time, and Matter', nd.

'Assumptions and Definitions', nd.

A.111

'Conditions of Industry' etc, nd.

'Should the Govt enter the anthracite coal industry?', nd.

A.112

'Interplanetary plot', nd.

'Science Fiction outline', ?1950s.

A.113

Graduation, 1939.

Photocopy of Bohm's student record etc.

A.114-A.121

Appearance before the US House Committee on Un-American Activities (HCUA) and subsequent dismissal from Princeton University, 1949-1951.

While working at the Berkeley Radiation Laboratory during the Second World War Bohm was active in the Federation of Architects, Engineers, Chemists and Technicians (FAECT) trade union. At this time (1942) Bohm also joined the Communist Party but he left a year later.

The activities of FAECT at the Radiation Laboratory had occasioned some concern during the war (see A.115) and in 1949, as Cold War tensions

Biographical

increased, HCUA began to investigate staff who had been working there. Bohm was called upon to testify before HCUA on 25 May and 10 June 1949 but pleaded the Fifth Amendment refusing to give evidence against colleagues.

In September 1949 the Soviet Union tested its first atomic device and it was thought that atomic bomb secrets must have been passed to the USSR. Pressure to uncover Soviet spies was intensified. HCUA alleged Bohm and other members of the FAECT were members of a Communist cell working at Berkeley during the war. In December 1950 Bohm was charged with Contempt of Congress for refusing to answer questions about colleagues before the HCUA and arrested. He was acquitted in May 1951.

Princeton University had suspended Bohm in December 1950, barring him from the University, and after his acquittal refused to renew his contract, despite support for Bohm from Einstein and others, thus effectively dismissing him.

- A.114 'Princeton, David Bohm and the Cold War' by R. Olwell, ca.1992.
33pp typescript draft.
- A.115 Photocopies of FBI etc reports on FAECT activities at the Radiation Laboratory, 1943.
- A.116 Photocopies of 1943 report on FAECT activities, and interviews with G.R. Lomanitz and Bohm conducted by M. Sherwin in 1979, sent to Bohm by E.W. Schreker, 2 September 1993.
- A.117 Photocopy of extracts of HCUA *Hearings regarding Communist Infiltration of Radiation Laboratory and Atomic Bomb Project at the University of California, Berkeley* (Washington 1949) featuring Bohm's testimony.
- A.118 Photocopies of photographs of Bohm and G.R. Lomanitz (a colleague at the Radiation Laboratory who also came under suspicion), with news agency descriptions, 1949.
- A.119 Photocopies of manuscript notes from Columbia Oral History project interviews with H.W. Dodds, President of Princeton University during this period, and C. Durr, Bohm's Counsel.

Biographical

- A.120 'Who Gave Russia the A-Bomb?' by W.B. Huie, *American Mercury*, ca.1951, alleging Bohm was involved in supplying atomic bomb secrets to the USSR.
- A.121 'Science, Security and the Cold War. The case of E.U. Condon' by Jessica Wang, *ISIS* (1992).

Reference to Bohm on p.257.
- A.122 Appointment as Professor of Physics, University of São Paulo, Brazil.

Letter from A. de Moraes, Head of Physics Department, notifying E. Simões de Paula (Head of Faculty), of Bohm's arrival in Brazil, 10 October 1951; record of Bohm's service at the University 1951-1956. (In Portuguese)
- A.123 Correspondence *re* US citizenship, 1965-1967, 1985-1986.

When Bohm left the USA in 1951 he returned his passport, believing this was required by law. Living in Brazil without a passport he then had no option but to take Brazilian nationality and renounce his US citizenship. Subsequently efforts were made on his behalf to restore US citizenship to him. This was eventually restored to him in 1986.
- A.124 Appointment as Professor of Physics, Birkbeck College London.

'Problems in the basic concepts of physics', Published version with manuscript annotations of Bohm's inaugural lecture, 13 February 1963.
- A.125 Nomination for National Science Foundation Senior Foreign Scientist Fellowship at New Mexico Institute of Mining and Technology, 1966.

The nomination of Bohm was proposed by his colleague from the Radiation Laboratory, G.R. Lomanitz.
- A.126 Correspondence 1977-1978, 1984, *re* Bohm's employment and pension contributions at the Berkeley Radiation Laboratory, Princeton University, University of São Paulo and the Technicon, Haifa.

Biographical

- A.127 Jeannette K. Watson Distinguished Professor in the Humanities, Syracuse University, 13 September - 1 October 1982.
- Publicity leaflet *re* the Professorship, with a list of lectures to be given by Bohm, principally on the philosophical implications of his work.
- A.128 Invitation to serve on editorial board of *Foundations of Physics*, 1988.
- Notice of Wegand Foundation Lecture on 'The Relationship of Mind and Matter', University of Toronto, 11 October 1988.
- Programme of 'Fundamental Aspects of Quantum Theory. A conference [...] to celebrate 30 years of the Aharonov-Bohm effect', 14-16 December 1989, Columbia, South Carolina. Bohm spoke at the conference.
- A.129 Letter of congratulation from B.D. Josephson on Bohm's election to Fellowship of the Royal Society, 1990.

BIBLIOGRAPHY

- A.130 List of 'Publications of Professor David Bohm 25 Nov. 94'.

SECTION B

DRAFTS, PUBLICATIONS AND LECTURES

B.1-B.82

B.1-B.63

DRAFTS BY BOHM

B.64-B.69

DRAFTS BY F. D. PEAT

B.70-B.77

PUBLISHED WORK

B.78-B.82

BOOK REVIEWS

Drafts, publications and lectures

DRAFTS BY BOHM

- B.1 'Space, time and quantum theory', lecture draft, nd but probably related to 'Space,Time and the Quantum Theory understood in terms of discrete process', *Proceedings of the International Conference on Elementary Particles*, Kyoto, Japan (1965).
Manuscript draft paginated 1-20, possibly incomplete.
- B.2 'Space-Time - Leading up to relativity', lecture draft, nd but possibly related to preceding.
Manuscript draft paginated 1-27.
- B.3, B.4 'Time in Relativistic Quantum Theory', lecture draft, nd but related to preceding.
Manuscript draft paginated 1-34. 2 folders.
- B.5-B.9 'Collective treatment of liquid helium' with B. Salt, submitted for publication to the *Physical Review* 1966.
- B.5 Letter from editor, 8 December 1966, enclosing referee's comments.
- B.6, B.7 Manuscript and typescript draft with extensive corrections. 2 folders.
- B.8 Incomplete typescript draft, paginated 4-39.
- B.9 References; figures.
- B.10-B.15 'Fragmentation & Wholeness in Science & Society'. Contents of folder so inscribed.
- B.10, B.11 Talk on knowledge, Santa Monica, 1981.
37pp typescript 'transcript'. 2 folders.

Drafts, publications and lectures

- B.12 'Existing knowledge cannot meet the challenge', 'based on a talk given in Santa Monica [...] 1981'.
9pp typescript.
- B.13 'Fragmentation and Wholeness in Science and Society', Seminar sponsored by the Science Council of Canada, Ottawa, 10 May 1983.
Bound Report.
- B.14 'Religion as Wholeness and the problem of Fragmentation', 'based on a talk given at St James Church, Piccadilly, London, September 1983'.
13pp typescript.
- B.15 'The Implicate Order, Consciousness and Religion', 'based on a talk given at the Center for Theology and the Natural Sciences, Berkeley, California', nd.
20pp typescript.
- B.16 'Soma-significance: a new notion of the relationship between the physical and the mental'.
44pp typescript 'Corrected version - 1.5.84'.
- B.17 'Somesignificance: a notion of the unity of the nature of life', with J.L Hancke, ca.1984.
32pp typescript.
- B.18 'The deeper structure of thought and corresponding neurophysical processes as major source of conflict', November 1987.
17pp typescript.
- B.19 'An ontological foundation for the quantum theory', ca.1987.
24pp typescript + transparencies for figures.

Drafts, publications and lectures

- B.20-B.24 'Bohm: various articles on Dialogue/& connected'. Contents of folder so inscribed divided into five for ease of reference.
- B.20 'The discipline of team learning', latest bibliographical reference 1987.
Typescript and manuscript draft.
The typescript draft was sent to Bohm for comment and assistance, and there are many manuscript additions by him.
- B.21 'MIT dialogue 10/3/89'.
59pp typescript.
- B.22 'On dialogue'.
8pp typescript.
See B.76 below.

'Addendum to "Dialogue on Science, Society, and the Generative Order" ', with S. Kelly.
11pp typescript.
- B.23, B.24 Untitled ?transcript of talk on Dialogue, nd.
43pp typescript. 2 folders.
- B.25-B.30 'Bohm & Peat Order In-between'. Contents of folder so inscribed divided into six for ease of reference.
Typescript drafts and notes for planned book and background material found therewith.
- B.25 Two different versions of 'Notes at the Bailey Farms October 1988'.
Both 19pp.

Drafts, publications and lectures

- B.26 Two slightly different versions of Peat's 'Notes with David Bohm October 1989'.
5pp and 14pp.
- B.27 'Bohm-Peat notes. October 1990 for the book "The Order Between and Beyond"'.
4pp.
- B.28 'The Order Between. A book proposal by David Bohm and F. David Peat'.
13pp 'Uncorrected draft'.
- B.29 'Science for Understanding People, Culture, Universe and Struggle', author unidentified, Native Science Conference, 9-12 July 1989.
18pp typescript
- B.30 Typescript papers by F.D. Peat: 'Gentle Action for a Harmonious World', 8pp; 'A science of harmony and gentle action', 13pp.
- B.31 'Notes on General Theory of Thought', revised 17 November 1989.
9pp typescript outline for book.
- B.32-B.34 Untitled work beginning 'This book deals with a crisis that humanity is facing'.
- B.32 Bound copy 'Edition 6.6.90'.
- B.33 'David Bohm', slightly different version of the work as prepared in electronic hypertext form, nd.
Bound copy.
- B.34 Typescript drafts of 'Introduction', 9pp; 'Sorrow and passion', 11pp.

Drafts, publications and lectures

- B.35 'Science and spirituality: the need for a change in culture', talk 'based on a lecture given at the Fetzer Institute on 23 October 1990'.
12pp typescript.
- B.36-B.38 'P. Pykkänen & Bohm'. Contents of folder so inscribed divided into three for ease of reference: typescript papers by Pykkänen and Bohm.
- B.36 'Outline of a paper on cognitive science', 1991.
14pp with manuscript corrections.
- B.37 'Cognition as a movement towards coherence', 12 April 1991.
16pp.
- B.38 Incomplete later draft of 'Cognition as a movement towards coherence'.
23pp, paginated 9-31.
- B.39, B.40 'Dialogue: a proposal', with D. Factor and P. Garrett, 1991.
- B.39 'Revision, March 9, 1992'.
15pp typescript.
- B.40 Later version.
17pp typescript.
- B.41 'Science, Spirituality and the Present World Crisis'.
This lecture was given at the 12th International Transpersonal Conference on 'Science, Spirituality and the Global Crisis: Toward a World with a Future', Prague, 20-25 June 1992.
Two 1p typescript ?abstracts; annotated conference programme.

Drafts, publications and lectures

- B.42 'The Undivided Universe: an ontological interpretation of quantum theory', with B.J. Hiley. (Published by Routledge, London, 1993). See also B.81.
Bound typescript draft.
- B.43 'Creativity in Art and Science', talk at 'U.C. Santa Barbara', nd.
2pp manuscript + transparencies.
- B.44 'On the failure of communication between Bohr and Einstein', with D.L. Schumacher, nd.
8pp typescript.

'The Post-Modern Physics and the Post-Modern World', nd.
5pp typescript.

'Post-Modern Science as involving questions of meaning and value', nd.
3pp typescript.
- B.45-B.61 Undated photocopied typescript and manuscript drafts found together and inscribed 'Copyright D.Bohm'.
- B.45 'Some reflections on thought'.
3pp typescript and 10pp manuscript.
- B.46 'Further reflections on the process of thought'.
13pp manuscript.
- B.47 '2. On the thought process as an aspect of the "Programme" '.
Typescript paginated 9-22.
- B.48 '6. The movement of the mind beyond thinking and feeling'.
23pp typescript.

Drafts, publications and lectures

- B.49 'Systems in science and technology'.
10pp typescript.
- B.50 'Understanding in Science'.
19pp typescript.
- B.51 'Understanding Time in Relativity'.
26pp typescript.
- B.52 'The chemistry of words'.
Manuscript draft with extensive corrections.
- B.53 Draft on thought.
10pp manuscript.
- B.54-B.61 Extensively corrected manuscript drafts on the 'I' structure. 8 folders.
- B.62 Manuscript notes for ?lectures, nd.
- B.63 Mathematical notes for ?lecture, nd.
4pp manuscript.

Drafts, publications and lectures

DRAFTS BY F. D. PEAT

Material found in a folder inscribed 'D. Peat (Various notes on physics etc)'. It comprises typescript and manuscript notes drafts dating 1980-1982.

Bohm and Peat were collaborators in research on quantum mechanics and the drafts contain references to Bohm's work.

- B.64 Manuscript notes on 'The "Great Work" revisited', 31 January 1980; typescript and manuscript 'Research Report D. Peat 5 Feb 1980'.
- B.65 Manuscript notes 8, 9 August 1981 and nd.
- B.66 Manuscript and typescript notes, 1 September and 18 October 1981; manuscript notes, nd.
- B.67 Typescript notes on 'Discussion Nov 1981', with manuscript addition 22 February 1982; 5pp typescript 'Analysis of previous papers', November 1981; 1p 'Some November notes'.
- B.68 9pp typescript 'Paper on Structure and Space-time', nd; untitled 5pp typescript draft on quantum theory, nd; 4pp typescript 'Introduction' on problems of physics, nd.
- B.69 Miscellaneous undated manuscript and typescript notes and pages of drafts.

PUBLISHED WORK

- B.70 'Comparação entre a Física no Brazil e nos Estados Unidos', *Notas de Matemática e Física* 1 (1953), 11-28 (In Portuguese)
- B.71 'Proof that Probability Density Approaches $[\psi]^2$ in Causal Interpretation of the Quantum Theory', *New Research Techniques in Physics* (Rio de Janeiro, 1954), 187-198.

/...

Drafts, publications and lectures

- /... 'Causal Explanation of Probability Distributions in Classical Statistical Mechanics', *idem*, 219-220.
- B.72, B.73 Publications arising from Kettering Foundation Symposium on 'Knowledge, Education, and Human Values: Toward the Recovery of Wholeness', 17-20 June 1980, Woodstock, Vermont.
- B.72 'Insight, Knowledge, Science, and Human Values', *Teachers College Record* **82** (1981), 380-402.
- B.73 Symposium Report.
- B.74 'Imagined Worlds: visions of theoretical physics', book review of *Imagery in Scientific Thought: Creating 20th Century Physics* by A.I. Miller, *Nature* **314** (1985).
- B.75 'A new theory of the relationship of mind and matter', *Philosophical Psychology* **3** (1990), 271-286.
- B.76 'On Dialogue', *Noetic Sciences Review* **23** (1992), 16-18, republished as 'For Truth try Dialogue', *Resurgence* **156** (1993), 10-13. See also B.21 above.
- B.77 'A brief introduction to the work of Krishnamurti', Krishnamurti Foundation of America leaflet (Ojai, California). Nd.

BOOK REVIEWS

Reviews by others of books by Bohm.

- B.78 *The Special Theory of Relativity* (Massachusetts, 1966).

Drafts, publications and lectures

- B.79 *Wholeness and the Implicate Order* (Boston, Massachusetts, 1980).
- B.80 *Science, Order and Creativity*, with F.D. Peat (New York, 1987; London, 1989).
- B.81 *The Undivided Universe: an ontological interpretation of quantum theory*, with B.J. Hiley, (London, 1993). See also B.42.
- B.82 *Thought as a System* (London, 1994).

SECTION C

CORRESPONDENCE

C.1-C.92

C.1-C.65

GENERAL CORRESPONDENCE

C.66-C.92

CORRESPONDENCE WITH C.J. BIEDERMAN

GENERAL CORRESPONDENCE

C.1

Aharonov, Y.

ca.1961

Aharonov was Bohm's research student at Bristol University in the late 1950s. They discovered the 'Aharonov-Bohm effect', the first demonstration of how a vacuum could produce striking physical effects.

Letter from Aharonov *re* current research.

C.2

Bakhshov, N.

1989

Letter to Bohm *re* idea of meaning.

Barfield, O.

1988

Correspondence *re* Bohm's book *Science, Order and Creativity* (1987).

C.3

Beck, G.

1952-1953

Photocopies of correspondence from Bohm to Beck *re* visits, research and Bohm's position at the University of São Paulo. Folder also includes list of the letters and note of location of originals.

* Material received from Dr Olival Freire Jr. The originals are deposited in the Guido Beck Archive, Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, Brazil.

Correspondence

- C.22-C.26 **Heflin, L.** 1983-1984
- Heflin corresponded with Bohm on philosophy and sent Bohm drafts of his ideas on Time and other subjects.
- Letters etc from Heflin. 5 folders.
- C.27 **Hubel, D. H.** 1963
- Letter to Bohm *re* cell response.
- C.28 **Kahler, L.** 195[?], 1962, 1984, 1986
- Photocopies of Bohm's letters to Kahler.
- Includes 1950s letter on his life in Brazil; 1984 and 1986 letters *re* copies of Bohm-Einstein correspondence.
- C.29 **Kaloyerou, P. N.** 1988
- Letter to Bohm *re* particles in time.
- C.30-C.34 **Karnette, R.** 1988, 1989
- Karnette corresponded with Bohm principally *re* the thought of Krishnamurti. His letters were usually enclosed photocopies of extracts of work of Krishnamurti and others. Karnette's letter of 19 June 1988 (C.30) has been annotated by Bohm.
- Letters etc from Karnette. 5 folders.
- C.35 **Kell, R.** 1989
- Includes draft of 'A reading of *Chance and Necessity*' by Kell, sent to Bohm for comment.

Correspondence

- C.42 **Lomanitz, G.R.** 1965, 1966
- Lomanitz was a colleague of Bohm's at the Berkeley High Energy Laboratory and was also called before the House Committee on Un-American Activities.
- Photocopies of letters to Lomanitz *re* possible return to the US. In his letter of 21 November 1966 Bohm explains his association with Communism and his subsequent rejection thereof.
- C.43 **Margolis, J.** 1988
- Letter to Bohm *re* 'soma-significance'.
- Maule, P.** 1987
- Letter to Bohm *re* possible joint seminar.
- Oak Grove School, Ojai, California** 1987
- The Ojai Grove School hosted Bohm's meetings on Dialogue in the late 1980s.
- Letter of thanks to Bohm.
- C.44 **Pauli, W.** 1951
- Photocopy of letter from Pauli *re* Bohm's ideas on quantum theory
- C.45 **Peat, F. D.** 1988, nd.
- C.46-C.50 **Phillips, M.** 1951-1955, 1962
- With the exception of the one 1962 letter from Phillips to Bohm (C.50), the material is photocopies of letters from Bohm to Phillips sent during his time in Brazil and shortly after his move to Israel. They may have been requested by Bohm to aid his attempt to regain US citizenship in the 1980s. Most of the letters were undated but have been retained in the order in which they were found. The letters give personal news as well as Bohm's views on Brazilian society, science in Brazil, international affairs and the progress of his research.

Correspondence

C.46-C.48	1951-1954. Letters from Brazil. 3 folders.	
C.49	1955. Letters from Israel.	
C.50	1962.	
C.51-C.54	Platt, J. R. 'Bohm and Platt on Perception. Correspondence 1963'. Typescript copy of correspondence between Platt and Bohm, paginated 1-105, spanning the period 11 March - 10 November. 4 folders.	1963
C.55	Polanyi, M. Pór, G. Letter (faxed) from Pór <i>re</i> Dialogue.	1962 1991
C.56	Ribeiro, C. Photocopy of letter from Bohm <i>re</i> research funding. (In Portuguese) [*]	1953
C.57	Rosen, S. Letters from Rosen <i>re</i> Bohm's ideas. Rosen's letter of 21 November comments on Bohm's paper on 'Soma-significance' (see B.16, B.17).	1983
C.58	Rosenfeld, L.	1952 /...

^{*} Material received from Dr Olival Freire Jr. The original is deposited in the Guido Beck Archive, Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, Brazil.

Correspondence

- /... **Sagenkahn, I. and P.** 1993
Brief correspondence *re* Malcolm Sagenkahn, a friend of the Bohms.
- C.59 **Salk, J.** 1986
Letter to Salk from Bohm setting out his research plans in retirement.
- Shen, J-P** Nd
Manuscript draft of 'The explanation of uncertainty relation in Bohm's interpretation of quantum theory'.
- C.60 **Taylor, P.** 1965
Letter to Taylor from Bohm on 'intelligence'.
- C.61 **Vigier, J.-P.** 1962, nd
Vigier was co-author with Bohm, L. de Broglie and T. Takabayashi of a paper 'Rotary model of elementary particles considered as a relativistic extended structures in Minowski space'.
Correspondence from Vigier *re* joint work.
- C.62 **Walsh, R.** 1987
Letter from Walsh *re* 'A course in miracles'.
- Wheeler, J. A.** 1965
Letter from Wheeler to W. A. Benjamin *re* Bohm's book *The Special Theory of Relativity*.
- C.63 **White, L.H.** 1986
Letter to Bohm *re* his paper on 'Fragmentation and Wholeness in Religion and in Science'.

Correspondence

- | | | |
|------|--|----------------------|
| C.64 | Worth, R. R. | 1963 |
| | Worth was Editorial Director of W. A. Benjamin Inc, Publishers. | |
| | Comments by referees on Bohm's draft 'The Theory of Relativity'. | |
| C.65 | Unidentified correspondents. First name only. | 1956, 1962, 1989, nd |

CORRESPONDENCE WITH C. J. BIEDERMAN

Charles Joseph Biederman (b.1906) was an American painter, sculptor and theorist. The correspondence was initiated by Biederman who wrote to Bohm in March 1960 inspired by his book *Causality and Chance*. Between 1960 and 1969 they conducted an extensive correspondence. Bohm's letters to Biederman contain detailed expositions of his philosophical outlook and views on a wide range of philosophical and scientific issues.

The material is photocopied correspondence, 1960-1969. It was divided into three components: early exchanges 1960-1962, paginated 1-249 (C.66); letters from Bohm to Biederman 1962-1969, paginated 1-3202 (C.67-C.85); and letters from Biederman to Bohm 1962-1969, paginated 1-673 (C.86-C.92).

The 1962-1969 correspondence from Bohm to Biederman and from Biederman to Bohm was divided into nineteen and eight numbered bundles respectively

- | | |
|-----------|---|
| C.66 | Correspondence 1960-1962. Paginated 1-249. |
| C.67-C.85 | Bohm to Biederman. |
| C.67 | Bundle 1, February - May 1962. Paginated 1-140. |
| C.68 | Bundle 2, June - August 1962. Paginated 141-310. |
| C.69 | Bundle 3, August - October 1962. Paginated 311-529. |
| C.70 | Bundle 4, October - November 1962. Paginated 530-731. |

Correspondence

- C.71 Bundle 5, November - December 1962. Paginated 732-905.
- C.72 Bundle 6, December 1962. Paginated 906-1069.
- C.73 Bundle 7, January - March 1963. Paginated 1070-1318.
- C.74 Bundle 8, March - June 1963. Paginated 1319-1467.
- C.75 Bundle 9, June - September 1963. Paginated 1468-1594.
- C.76 Bundle 10, September - December 1963. Paginated 1595-1722.
- C.77 Bundle 11, January - March 1964. Paginated 1723-1848.
- C.78 Bundle 12, March - April 1964. Paginated 1849-1962.
- C.79 Bundle 13, May - September 1964. Paginated 1963-2166.
- C.80 Bundle 14, September - December 1964. Paginated 2167-2406.
- C.81 Bundle 15, January - May 1965. Paginated 2407-2667.
- C.82 Bundle 16, August 1965 - December 1966. Paginated 2668-2808.
- C.83 Bundle 17, January - ?December 1967. Paginated 2809-2924.

Correspondence

- C.84 Bundle 18, January - ca.July 1968. Paginated 2925-3067.
- C.85 Bundle 19, July 1968 - April 1969. Paginated 3068-3202.
- C.86-C.92 Biederman to Bohm.
- C.86 Bundles 1 and 2, May - September 1962. Paginated 1-97.
- C.87 Bundle 3, September - December 1962. Paginated 98-216.
- C.88 Bundle 4, January - May 1963. Paginated 218-293.
- C.89 Bundle 5, June - December 1963. Paginated 294-352.
- C.90 Bundle 6, January - December 1964. Paginated 353-503.
- C.91 Bundle 7, January 1965 - December 1966. Paginated 504-586.
- C.92 Bundle 8, April 1967 - ?October 1969. Paginated 587-673. Plus undated letter of 11 ?October 1969.

INDEX OF CORRESPONDENTS

AHARONOV, Yakir	C.1
ANGELOS, William M.	A.87
BAKSHOV, Nadim	C.2
BARFIELD, Owen	A.21, C.2
BECK, Guido	C.3
BENJAMIN, William A.	C.62
BERMAN, Morris	C.4
BERNSTEIN, Mary	A.22
BIEDERMAN, Charles Joseph	C.66-C.92
BLAKE, Anthony	C.4
BRENDEL, Volker	C.5
BRIGGS, John	C.5
BRITTEN, Roy J.	A.22
BROGLIE, Louis de	C.6
BROWN, R.L.	C.5
BUCKLEY, Paul	C.7
CARMI, Gideon	C.7
CHAMBERS, Robert J.	A.22
COLGATE, Stirling A.	A.123, C.8
COWAN, Ronald D.	C.9
?DINGGUO, Hong	C.9
DURHAM, Diana	A.82
EHRESMANN, Andrée C.	C.9
EINSTEIN, Albert	C.10-C.16

Index of correspondents

ELKANA, Yehuda	C.17
FLEMING, Phildea	A.23
<i>FOUNDATIONS OF PHYSICS</i>	A.128
FOX, Richard J.	A.21
GARRETT, Peter	C.18
GEKELMAN, Walter	A.13
GILBERT, David	C.18
GLOBUS, Gordon G.	C.19
GYR, John	C.20
HARRISON, Walter A.	C.21
HEFLIN, Llee	C.22-C.26
HUBEL, David H.	C.27
JØRGENSEN, Ole	A.83
JOSEPHSON, Brian David	A.129
<i>JOURNAL OF HUMANISTIC PSYCHOLOGY</i>	C.4
KAHLER, Lili	C.28
KALOYEROU, P. N.	C.29
KARNETTE, Richard	C.30-C.34
KEENY, Spurgeon M., Jr	A.123
KELL, Richard	C.35
KRAMISH, Arnold	A.22
LAURIKAINEN, K. V.	A.21
LEVY, Raymond	A.22
LIPKIN, Daniel M.	A.22
LOEWY, Hanna M.	C.16, C.37-C.41

Index of correspondents

LOMANITZ, Giovanni Rossi	C.42
MARGOLIS, Joseph	C.43
MARSHALL, Ninian	C.19
MAULE, Peter	C.43
MERWE, Alwyn van der	A.128
MOODY, David	A.33, A.35
MORAES, Abrahão de	A.122
PAULA, E. Simões de	A.122
PAULI, Wolfgang	C.44
PEAT, F. David	A.21, A.22, A.47, B.26, C.9, C.45
PHILLIPS, Melber	C.46-C.50
<i>PHYSICAL REVIEW</i>	B.5
PINES, David	A.3
PLATT, John R.	C.51-C.54
POLANYI, Michael	C.55
PÓR, George	C.55
POWERS, Lynn	A.92
RIBEIRO, Costa	C.56
RICHARDS, Richard T.	A.22
ROSEN, Nathan	A.22
ROSEN, Steve	C.57
ROSENFELD, L.	C.58
RUSSELL, Robert John	C.63
SAGENKAHN, Irwin	C.58
SAGENKAHN, Patricia W.	A.21, C.58
SALK, Jonas	C.59

Index of correspondents

SAVITT, Sam	A.22
SCHREKER, Ellen W.	A.116
SEBRING, Harold C.	A.21
SENGE, Peter M.	A.21
SHEN Jong-ping	C.59
STIX, Thomas H.	A.13
SWEDENBORG FOUNDATION, INC.	B.62
TAYLOR, Peter	C.60
TOMS, Michael	A.81
VIGIER, Jean-Pierre	C.61
WAGNER, Angelika C.	A.31
WALSH, Roger	C.62
WEISS, Mort	A.21
WHEELER, John A.	C.62
WHITE, Lillian Hanson	C.63
WIJERS, Louwrien	A.41
WORTH, Robert R.	C.64