

## Publications by users of the Niels Bohr Archive, 2003 to the present.

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### A. Books.

Andersen, Torkild, *Datering af fortiden: Om det første danske kulstof-14 laboratorium*, Aarhus: Aarhus Universitetsforlag, 2007.

Angell, Carl, Berit Bungum, Ellen K. Henriksen, Stein Dankert Kolstø, Jonas Persson and Reidun Renstrøm, *Fysikkdidaktikk*, Kristiansand: Høgskoleforlaget, 2011.

Angeloni, Roberto, *An Historical Survey of the Origin of Heuristic in Niels Bohr's Research Program*, Cagliari: Università degli Studi de Cagliari, 2010.

Armon, Rony, *Scientific Dead Ends: The Biochemistry of Joseph Needham*, Ph.D. dissertation, Ramat-Gan [Israel]: Ben-Ilan University, 2009.

Baccigaluppi, Guido and Antony Valentini, *Quantum theory at the crossroads: Reconsidering the 1927 Solvay conference*, Cambridge University Press, 2008.

Badge, Peter and Nikolaus Turner, *Nobelpreisträger im Portrait*, Berlin: Ars Vivendi, 2004.

Badge, Peter, *Nobel portraits: Photographs by Peter Badge*, Berlin: Ars Vivendi, 2007.

Boeyink, R., *In het centrum van het drama: Wetenschappelijke worstelingen van Paul Ehrenfest tussen 1916–1925*, Utrecht: dissertation at Universiteit Utrecht, 2005.

Byrne, Peter, *The many worlds of Hugh Everett III: multiple universes, mutual assured destruction, and the meltdown of a nuclear family*, New York: Oxford University Press, 2010.

Chowdhury, Indira, *A masterful spirit: Homi J. Bhabha (1909–1966)*, New Delhi: Penguin, 2010.

Christensen, Dan Charly, *Naturens tankelæser: en biografi om Hans Christian Ørsted*, København: Museum Tusulanum/Københavns Universitet, 2009.

Dardo, Mauro, *Nobel Laureates and twentieth-century physics*, Cambridge: Cambridge University Press, 2004.

Dörries, Matthias (ed.), *Copenhagen in debate: Historical essays and documents on the 1941 meeting between Niels Bohr and Werner Heisenberg*, Berkeley: University of California Press, 2005.

Eichler, Anja, Veit Didczuneit and Lieselotte Kugler, *Missverständnisse: Stolpersteine der Kommunikation*, Berlin: Museum für Kommunikation, 2008.

Einstein, Albert, *The Collected Papers of*, Vol. 9: *The Berlin Years: Correspondence, January 1919–April 1920*, Diana Kormos Buchwald, Robert Schulmann, Jozsef Illy,

- Daniel J. Kennefick, and Tilman Sauer (eds.), Princeton: Princeton University Press, 2004.
- Einstein, Albert, *The Collected Papers of, Vol. 10: The Berlin Years: Correspondence, May--December 1920 and Supplementary Correspondence, 1909--1919*, Diana Kormos Buchwald, Tilman Sauer, Ze'ev Rosenkranz, Jozsef Illy, and Virginia Iris Holmes (eds.), Princeton: Princeton University Press, 2006.
- Einstein, Albert, *The Collected Papers of, Vol. 12: The Berlin Years: Correspondence, January--December 1921*, Diana Kormos Buchwald, Ze'ev Rosenkranz, Tilman Sauer, Jozsef Illy, and Virginia Iris Holmes (eds.), Princeton: Princeton University Press, 2009.
- Farmelo, Graham, *The Strangest Man*, London: Faber, 2009.
- Favrholdt, David, *Spaltningen: Niels Bohr og Werner Heisenberg i videnskab og politik*, København: Lindhardt og Ringhof, 2005.
- Favrholdt, David, *Filosoffen Niels Bohr*, København: Informations Forlag, 2009.
- Feldbæk, Ole, *Gyldendals bog om Danmarks historie*, København: Gyldendal, 2004.
- Fischer, Ernst Peter, *Brücken zum Kosmos: Wolfgang Pauli – Denkstoffe und Nachträume zwischen Kernphysik und Weltharmonie*, Konstanz: Libelle, 2004.
- Ford, Kenneth, *101 Quantum Questions: What You Need to Know about the World You Can't See*, Cambridge, MA: Harvard University Press, 2011.
- Frandsen, Jesper and Mads Rangvid, *Enigma – et dilemma*, Aarhus: Systime, 2010.
- Frayn, Michael; Dörries, Matthias, *Kopenhagen: Stück in zwei Akten, mit zwölf wissenschaftsgeschichtlichen Kommentaren, zusammengestellt von Matthias Dörries*, Göttingen: Wallstein, 2003.
- Freire, Olival, Jr., O. Pessoa Jr., J. Bromberg (eds.), *Teoria Quântica: Estudos Históricos e Implicações Culturais*, Campina Grande: EDUEPB & Livraria da Física, [Brazil], 2010.
- Friedrichsen, Per (ed.), *Ole Rømer: Videnskabsmand og samfundstjener*, København: Gad, 2004.
- Gieser, Suzanne, *The innermost kernel: Depth psychology and quantum physics*, Berlin: Springer, 2005.
- Gilder, Louisa, *The age of entanglement: when quantum physics was reborn*, New York: Knopf, 2008; second, revised paperback edition, New York: Vintage books, 2009.
- Goodchild, Peter, *Edward Teller: The real Dr. Strangelove*, Cambridge, Mass.: Harvard University Press, 2004.
- Greenspan, Nancy, *The End of the Certain World: The Life and Science of Max Born*, New York: Wiley, 2005.
- Halpern, Paul, *The great beyond: Higher dimensions, parallel universes, and the extraordinary search for a theory of everything*, New Jersey: Wiley, 2004.
- Halpern, Paul and Paul Wesson, *Brave New Universe: Illuminating the Darkest Secrets of*

- the Cosmos*, Washington, D.C.: Joseph Henry Press, 2006.
- Hinokawa, Shizue, *From cyclotron to atomic bomb*, Tokyo: Sekibundo, 2009 (in Japanese).
- Hoffmann, Dieter, *Max Planck: Die Entstehung der modernen Physik*, München. C.H. Beck, 2008.
- Johansen, Nils Voje, *Einstein i Norge*, 2nd edition, Oslo: Res Publica, 2010.
- Knudsen, Henrik, *Videnskabens Mand: Fysiologen, formidleren og forskningsaktivisten Poul Brandt Rehberg*, Aarhus: Aarhus Universitetsforlag, 2010.
- Kragh, Peder Jacob Ellehave, *Niels Bohr and the Soviet Union between the two world wars: Resources at the Niels Bohr Archive*, Master Thesis at the University of Copenhagen, 2003.
- Krige, John, *American Hegemony and the Postwar Reconstruction of Science in Europe*, Cambridge, MA: MIT Press, 2006.
- Kumar, Manjit, *Quantum: Einstein, Bohr and the great debate about the nature of reality*, Cambridge: Icon, 2008.
- Lee, Sabine (ed.), *Sir Rudolf Peierls: Selected private and scientific correspondence*, Vol. 1, New Jersey: World Scientific, 2007.
- Lemmerich, Jost, *Aufrecht im Sturm der Zeit: Der Physiker James Franck, 1882–1964*, Berlin: Verlag für Geschichte der Naturwissenschaften und der Technik, 2007.
- Lemmerich, Jost, *Lise Meitner zum 125. Geburtstag: Ausstellungskatalog, Staatsbibliothek zu Berlin, Preussischer Kulturbesitz: 7. November – 13. Dezember 2003*, Berlin: ERS-Verlag, 2003.
- Lynning, Kristine Hays, *Kampen om dannelsesbjerget – en analyse af debatter om naturvidenskabernes rolle i det danske gymnasium i forbindelse med skolereformerne i 1903 og 1958*, Ph.D. Dissertation, University of Aarhus, 2007.
- Miller, Arthur, I, *137: Jung, Pauli and the Pursuit of a Scientific Obsession*, New York: W.W. Norton, 2010.
- Nielsen, Henry, Helge Kragh, Peter C. Kjærgaard and Kristian Hvidtfelt Nielsen, *A history of science in Denmark through a thousand years*. Århus: Aarhus University Press, 2008.
- Nielsen, Henry, Helge Kragh, Peter C. Kjærgaard and Kristian Hvidtfelt Nielsen, *Dansk naturvidenskabs historie*, Bind 1–4, Århus: Aarhus Universitetsforlag, 2005.
- Niese, Siegfried, *Georg von Hevesy (1885–1966): Wissenschaftler ohne Grenzen*, Dresden: Forschungszentrum Rossendorf, 2005.
- Ottaviani, Jim and Leland Purvis, *Suspended in Language: Niels Bohr's life, discoveries, and the century he shaped*, Ann Arbor: General Tectronics Labs, 2003.
- Pasachoff, Naomi, *Niels Bohr: Physicist and humanitarian*, Berkeley: Enslow Publishers, 2003.
- Phalkey, Jahnavi, *Science, State-formation and Development: The Organisation of*

- Nuclear Research in India, 1938–1959*, Doctoral Dissertation, Atlanta: School of History, Technology and Society, Georgia Institute of Technology, 2008.
- Ready, Scott, *E is for Elephant: a primer on the lessons of the quantum*, Colorado, 2010.
- Rosenkranz, Ze'ev, *The Einstein scrapbook*, Baltimore: The Johns Hopkins University Press, 2003.
- Sachse, Carola, Susanne Heim, and Mark Walker (eds.), *The Kaiser Wilhelm Society Under National Socialism*, Cambridge: Cambridge University Press, 2009.
- Schumacher, Harald, *Pascual Jordan's Beitrag zur Entwicklung der Quantenmechanik*, doctoral dissertation, University of Hamburg, 2006.
- Segrè, Gino, *Faust in Copenhagen: A struggle for the soul of physics*, London: Jonathan Cape, 2007.
- Singh, Rajinder, *Nobel Laureate C.V. Raman's Science, Philosophy and Religion*, Bangalore: Dharmaram Publications, 2005.
- Singh, Rajinder, *Nobel Laureate C.V. Raman's work on light scattering – Historical contributions to a scientific biography*, Berlin: Logos Verlag, 2004.
- Slottved, Ejvind and Ditlev Tamm, *The University of Copenhagen: a Danish centre of learning since 1479*, Copenhagen: University of Copenhagen, 2009.
- Wittje, Roland, *Acoustics, Atom Smashing and Amateur Radio – Physics and Instrumentation at the Norwegian Institute of Technology in the Interwar Period*, Trondheim: Dr. philos thesis, Norges Teknisk-Naturvidenskabelige Universitet, 2003.
- Wuensch, Daniela, *Der Erfinder det 5. Dimension: Theodor Kaluza, Leben und Werk*, Göttingen & Stuttgart: Termessos, 2008.

## **B. Articles.**

- “Alletiders største dansker,” *Berlingske Tidende*, 17. april 2004 – 2. maj 2004.
- “Einstein und die Quantenmechanik,” *Spektrum der Wissenschaft I* (2005), 76–80.
- “Einsteins Erbe,” *Spektrum der Wissenschaft I* (2005), 94–99.
- “Kopenhagen – Blegdamsvej 17 – Sommer 1926: Werner Heisenberg und Niels Bohr deuten die Welt neu,” *Süddeutsche Zeitung Wissen 2* (2005), 67.
- “La force de l'intuition,” *Pour la science 34* (2008), 34.
- Alschuler, Boris, [Om det sovjetiske atombombeprogram], *Istoriy nauki i tehniks*, No. 4 (2003), 14–24.
- Alschuler, Boris, [Om Sakharov], *Istoriy nauki i tehniks*, No. 7 (2003), 56–60.
- Andersen, Michael Cramer, “Bohrs samlede værker – komplette: *Niels Bohr Collected Works – Vol. 12: Popularization and People (1911–1962)*,” *Kvant 2/18* (2007), 36.
- Angeloni, Roberto, “On the Cultural Relationship between Niels Bohr and Harald Hoeffding,” *Nuncius 25:2* (2010) (in print).
- Angeloni, Roberto, “Deciphering Niels Bohr’s Correspondence: The Unspoken

- Motivations for the First Atomic Theory”, *Journal of, History, Literature, Science and Technology 1* (2010) (in print).
- Angeloni, Roberto, “Why Does the Traditional Distinction between Internal and External History not Hold?”, *Epistemologia – Review of Philosophy of Science* 33:1 (2010), 109–122.
- Dasannacharya, B.A., “Homi Jehangir Bhabha,” *Current Science* 96 (2009), 1536–1537.
- Dezsö, Gurka, “At the birth of quantum mechanics: Hungarians at the Bohr Institute,” 2003 (2 pp.).
- Dezsö, Gurka and G. Csizmás Edit, “Magyarok a Bohr Intézetben,” *Természet Világa* 134 (2003), 130–131, 181–183.
- Freire, Olival, Jr., “Marxism and quantum controversy: responding to Max Jammer's question,” pp. 237–258 in M.S.D. Cattani, L.C.B. Crispino, M.O.C. Gomes, A.F.S. Santoro (eds.), *Trends in Physics – Festschrift in homage to Prof. Jose Maria Filardo Bassalo*, São Paulo: Livraria da Física [Brazil], 2009.
- Freire, Olival Jr., “Quantum dissidents: Research on the foundations of quantum theory circa 1970,” *Studies in History and Philosophy of Modern Physics.* 40 (2009), 280–289.
- Freire, Olival, Jr., “Orthodoxy and Heterodoxy in the Research on the Foundations of Quantum Physics: E.P. Wigner's Case,” pp. 203–224 in Boaventura de Sousa Santos (org.), *Cognitive Justice in a Global World: Prudent Knowledges for a Decent Life*, Lanham, MD, [USA]: Lexington Books, 2007.
- Freire, Olival, Jr., “Orthodoxy and Heterodoxy in the Research on the Foundations of Quantum Physics: E.P. Wigner's Case,” pp. 203–224 in Boaventura de Sousa Santos (ed.), *Cognitive Justice in a Global World: Prudent Knowledges for a Decent Life*, Vol. 1, Lanham, MD, USA: Lexington Books, 2007.
- Freire, Olival, Jr., “Philosophy Enters the Optics Laboratory: Bell's Theorem and its First Experimental Tests (1965–1982),” *Studies In History and Philosophy of Modern Physics* 37 (2006) 577–616.
- Freire, Olival, Jr., “Science and exile – David Bohm, the Cold War, and a new interpretation of quantum mechanics,” *Historical Studies in the Physical and Biological Sciences* 36:1 (2005), 1–34.
- Freire Olival, Jr., “A Story Without An Ending: The Quantum Physics Controversy 1950–1970,” *Science & Education* 12:5–6 (2003), 573–586.
- Freire, Olival, Jr. and C. Lehner, “'Dialectical materialism and modern physics', an unpublished text by Max Born,” *Notes and Records of the Royal Society of London* 64 (2010), 155–162.
- Grandin, Karl, “Intermediate theoretical physics,” pp. 193–214 in *Aurora Torealis: Studies in the History of Science and Ideas in Honor of Tore Frängsmyr*, Marco Beretta, Karl Grandin og Svante Lindqvist (eds.), Sagamore Beach, MA: Science History Publications/USA, 2008.

- Gregersen, Jens, "På hemmelig mission i Moskva," *Jyllandsposten*, 4 March 2005, p. 3.
- Gregorio, A. De., "La complementarità: l'esposizione di Bohr a Como nel 1927, tra storiografia e documenti di archivio," *Quaderni di storia della fisica DOI* 10.1393/qsf/i2008-10013-8, N. 15 (2009), (33 pp.).
- Hall, Karl, David Kaiser and Kenji Ito, "Spreading the tools of theory: Feynman diagrams in the USA, Japan, and the Soviet Union," *Social Studies of Science* 34 (2004), 879–922.
- Hansen, Helge Lockert, "Etymology and common use of the word 'assassination,'" *Scandinavian Journal of Forensic Sciences*, No. 2 (2005), 66–67.
- Hinokawa, Shizue, "The Rockefeller Foundation and the development of Niels Bohr's cyclotron," *Kagakusi Kenkyo* 48 (2009), 109–119.
- Holbrow, Charles H., "Charles C. Lauritsen: A reasonable man in an unreasonable world," *Physics in Perspective* 5 (2003), 419–472.
- Holbrow, Charles H., "Lauritsen, Charles C.," p. 332, Vol. 3, in *New Dictionary of Scientific Biography*, Noretta Koertge (ed.), 8 bind., Farmington Hills, MI: Charles Scribner's Sons, 2008.
- Hufbauer, Karl, "Landau's Youthful Sallies into Stellar Theory: Their Origins, Claims, and Receptions," *Historical Studies in the Physical and Biological Sciences* 37 (2007), 339–356.
- Hufbauer, Karl, "George Gamow: 1904–1968," *Biographical Memoirs of the National Academy of Sciences* (2009), 3–39.
- Irzhak, L.I., "Christian Bohr: On the occasion of the 150th anniversary of his birth," *Human Physiology* 31 (2005), 366–368.
- Jacobsen, Anja Skaar, "The complementarity between the collective and the individual: Rosenfeld and Cold War history of science," *Minerva* 46:2 (2008), 195–214.
- Jacobsen, Anja Skaar, "Léon Rosenfeld's Marxist defense of complementarity," *Historical Studies in the Physical and Biological Sciences* 37 (2007), 3–34.
- Jacobsen, Anja Skaar, "Komplementaritet og marxisme under den kolde krig," *Magasinet Humaniora* 1 (2007), 12–17.
- Joas, Christian and Christoph Lehner, "The classical roots of wave mechanics: Schrödinger's transformations of the optical-mechanical analogy," Max Planck Institute reprint, 2009, 25 pp.
- Johansen, Nils Voje, "Henrik Lund portretterte fysikere," *Fra Fysikkens Verden*, (2, 2010).
- Kragh, Helge, "Marie Curie og Nobelprisen," *Naturens Verden* 86 (2003), 54–59.
- Lorencs, Juris, "Skumjais rukis un bumba: Nilss Bors, kvantu mekanika un Manhetenas projekts," *Rigas Laiks* 2 (2006), 28–39.
- Lützen, Karin, "Giro 7," Weekend-Avisen, 23 December 2010.
- Lynning, Kristine Hays, "Portraying Science as Humanism – A historical case study of

- cultural boundary work from the dawn of the 'Atomic Age,'" *Science & Education* 16 (2007), 479–510.
- Lynning, Kristine Hays, "Atomalderen og skolen," pp. 365–382 in Henry Nielsen og Kristian Hvidtfelt Nielsen (ed.), *Dansk Naturvidenskabshistorie*, Bind 4: *Viden uden grænser 1920–70*, Århus: Aarhus Universitetsforlag, 2006.
- Lynning, Kristine Hays, "Humanistisk naturvidenskab? – Mogens Pihl og gymnasiets fysikundervisning omkring 1960," *MONA: Matematik og Naturfagsdidaktik – Tidsskrift for undervisere, forskere og formidlere*, No. 2 (December 2005), 76–96.
- Niese, Siegfried, "Der Naturforscher Georg Karl von Hevesy und Freiburg," *Freiburg Universitätsblätter* 162 (2003), 145–166.
- Osnaghi, S.; F.H.A. Freitas and O. Freire Jr., "The origin of the Everettian heresy," *Studies in History and Philosophy of Modern Physics* 40 (2009), 97–123.
- Pallo, Gabor, "Isotope research before isotopy: George Hevesy's early radioactivity research in the Hungarian context," *Dyna-8, primeras pruebas*, 2009-04-20.
- Pascolini, Alessandro, "Un mondo libero dalle armi nucleari: le iniziative dei protagonisti della bomba 1944–1946," *Pace diritte umani VI* 2 (2009), 107–145.
- Pessoa, O., Jr., O. Freire, Jr. and A. Greiff, "The Tausk Controversy on the Foundations of Quantum Mechanics: Physics, Philosophy and Politics," *Physics in Perspective* 10:2 (2008), 138–162.
- Poirier, Hervé, "Picasso a-t-il peint la relativité d'Einstein?" *Science & Vie*, No. 1027 (2003), 124–129.
- Pyenson, Lewis and Emily Hunter, "Mermaid: Margrete Heiberg de Bose in Europe and Argentina," *Saber y tiempo* 20 (2005), 157–169.
- Rewers, Peter, "Niels Bohr," *Euroman* (August 1910), 48–49.
- Schwarz, Stephan, "The case of the bottled Nobel medals," *Gamma*, No. 150 (2008), 8–14.
- Schwarz, Stephan, "Nobelmedaljer på butelj – en historia från andra världskriget," *Kosmos* (2009), 99–112.
- Schwarz, Stephan, "S & T in occupied Denmark: Niels Bohr's institute and its environment," lecture at a symposium i Göttingen, 27–29 March 2008 (19 pp.).
- Thiele, Rüdiger, "Hilbert und Hamburg," *Mitt. Math. Ges. Hamburg* 22 (2003), 99–126.
- Walker, Mark, "Naturwissenschaftler und Nationalsozialismus," pp. 91–135 in Eva-Maria Neher (ed.), *Aus den Elfenbeinturm der Wissenschaft. XLAB Science Festival 2*, Göttingen: Wallstein, 2006).
- Walker, Mark, "Eine Waffenschmied? Kernwaffen- und Reaktorforschung am Kaiser-Wilhelm-Institut für Physik," pp. 352–394 in Helmut Maier (ed.), *Gemeinschaftsforschung, Bevollmächtigte und der Wissenstransfer*, Göttingen: Wallstein Verlag, 2007.
- Walker, Mark, "Nuclear Weapons and Reactor Research at the Kaiser Wilhelm Institute

for Physics,” pp. 339–369 in Carola Sachse, Susanne Heim, and Mark Walker (eds.), *The Kaiser Wilhelm Society Under National Socialism*, Cambridge: Cambridge University Press, 2009.

Weidenmüller, Hans Arwed, “Chaos in Atomkernen,” *Physik Journal* 3, No. 3 (2004), 41–47.

Wittje, Roland, “Nuclear Physics in Norway, 1933–1955,” *Physics in Perspective* 9 (2007), 406–433.

Wittje, Roland, “A proton accelerator in Trondheim in the 1930s,” *Historical Studies in the Physical and Biological Sciences* 35:1 (2004), 115–152.

Wittje, Roland, “‘Simplex sigillum veri’: Robert Pohl And Demonstration Experiments In Physics After The Great War,” 32 pp. in Heering, P., and R. Wittje (eds). *Learning by Doing: Instruments and Experiments in the History of Science Teaching*, Stuttgart: Franz Steiner Verlag, 2011.

Zinkernagel, Henrik, “Fysikfilosofi [Philosophy of Physics],” pp. 214–231 in L. Aagaard and S. Brock (eds.), *Videnskabens Ansigter* [The faces of science], Aarhus: Philosophia, 2004

Zinkernagel, Henrik and S.E. Rugh, “On the physical basis of cosmic time,” *Studies in History and Philosophy of Modern Physics* 40 (2009), pp.1-19.

### **C. Films.**

*Parallel Worlds, Parallel Lives*. Documentary shown on BBC Scotland and BBC Four in 2007. The American rock musician Mark Oliver Everett talks with physicists and colleagues of his father, Hugh Everett, about the father's many-worlds interpretation of quantum mechanics.

*Atom*. Shown on BBC Two in 2006. Documentary in three parts, in which Professor Jim Al-Khalili tells the story about one of the greatest scientific discoveries ever: that the material world consists of atoms.

*Kernen* (2005). Manuscript, production og direction: Robert Fox. Publisher: Fox Media. Through Niels Bohr's own words, recordings of Bohr himself, and archival photos, the story of the Danish physicist (1885–1962) is told, from the time he mapped the atom until the atom bomb was dropped over Hiroshima in 1945

*The Copenhagen Interpretation* (2004). Direction: Lars Becker-Larsen; production: Flemming Arentoft; manuscript: Lars Becker-Larsen and Jens Bidstrup. Publisher: The Danish Film Institute. The Copenhagen interpretation represents Niels Bohr's view of the decisive role of classical measuring apparatus for understanding the atomic world. The interpretation has been strongly disputed, and Einstein among others opposed it. Through a series of interviews with prominent physicists various views on the interpretation are presented.