

FINAL REPORT

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Brian Schwartz, Ph.D., Principal Investigator

ABSTRACT

On March 2, 2002 a special all day symposium was held in conjunction with the opening of the play *Copenhagen* in Washington. The play *Copenhagen* reenacts the 1941 visit of Werner Heisenberg, who was then in charge of the Nazi nuclear power program, to Niels Bohr, his mentor, and collaborator in creating quantum mechanics, *complementarity*, and the *uncertainty principle*, in German - occupied Denmark. The symposium entitled: *THE COPENHAGEN INTERPRETATION: SCIENCE AND HISTORY ON STAGE* was presented at the Baird Auditorium, in the National Museum of Natural History of the Smithsonian Institution. The program consisted of three two-hour sessions: 1; *The Science of Copenhagen and its Influence of the 20th Century*. 2. *Bohr and Heisenberg: A strong Interaction*. 3. *Theater as Science – Science as Theater*. The speakers included: Robert C. Card, Under Secretary of Energy; Ulrik Federspiel, Danish Ambassador to the US; John Marburger, III, Science Advisor President Bush; Jerome I. Friedman, MIT; Lene Vestergaard Hau, Harvard University; Richard Rhodes, Author; Rita Colwell, Director, NSF; Jeremy Bernstein, Author; Jochen H. Heisenberg, University of New Hampshire; Finn Aaserud, Director of the Niels Bohr Archive; Vilhelm A. Bohr, NIH; Thomas Powers, Author; Paul Lawrence Rose, Penn State University; Steven Barfield, University of Westminster, Jennifer Uphoff Gray, Associate Director, *Copenhagen*; Elizabeth Ireland McCann, Producer, *Copenhagen*; Lloyd Rose, Washington Post. Details of the program and useful information on the play *Copenhagen* are available on the web site

<http://web.gc.cuny.edu/sciart/copenhagen/copenhagen.html> . The complete symposium was video recorded and the set of 3 two-hour tapes can be obtained through the web site. The symposium was organized by Brian Schwartz, The Graduate Center, CUNY, Harry Lustig, Provost Emeritus at the City College of New York and Arthur Molella, Director, Lemelson Center, Smithsonian Institution. For further information contact Brian Schwartz bschwartz@gc.cuny.edu .

Two items: 1- A set of 3 two-hour tapes of the complete symposium. 2- A web site with a great deal of information and papers. See the web site <http://web.gc.cuny.edu/ashp/nml/artsci> and look under Copenhagen.

Copenhagen Symposium; The German Atomic Bomb Program; The Allied Atomic bomb Program; The Critical Mass of Uranium 235; Niels Bohr; Werner Heisenberg; Science and Theater