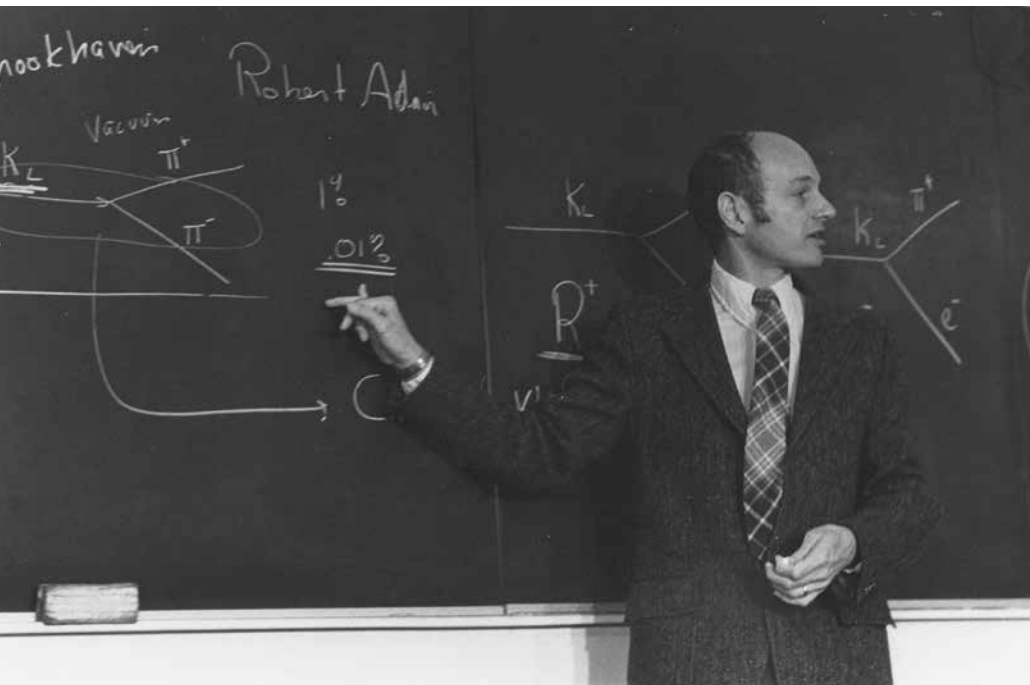


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The Home of Nobel Prize Winners' Research



James Cronin at the chalkboard. James Cronin Papers.

THE UNIVERSITY OF CHICAGO LIBRARY has received two gifts that document the research and professional life of Nobel Prize-winning physicist James Cronin, SM'53, PhD'55. Cronin made defining contributions to both particle physics and astronomical observation.

James's daughter Emily Cronin Grothe and son Daniel Cronin have donated six medals that recognize Cronin's extraordinary achievements, including the 1980 Nobel Prize Medal for Physics. Carol Cronin, James's widow, donated his professional papers, including 100 linear feet of lab reports, articles, lectures, speeches, teaching materials, correspondence and other items. The papers can be consulted in the Library's

Special Collections Research Center.

James Cronin, with his colleague Val Fitch, revolutionized scientists' understanding of the physical world and won the Nobel Prize by demonstrating that nature favors the existence of matter over antimatter. This finding was later used to provide support for the Big Bang theory.

Cronin spent the majority of his career at the University of Chicago, earning his master's degree and PhD in physics in the 1950s, going on to conduct research at Brookhaven Cosmotron and Princeton University, and then returning to Chicago as University Professor of Physics in 1971 to use the powerful particle accelerator at what later became known as the Fermi National Accelerator Laboratory. In the 1990s he worked with Alan Watson, emeritus professor of physics at the University of Leeds, to

co-found the Pierre Auger Observatory in Argentina. There, by collaborating with more than 500 scientists from 17 countries, they built the world's largest cosmic ray detector.

With the addition of these recent gifts from the Cronin family, the Library now holds archival collections containing the papers or medals of 21 Nobel laureates, including 10 physicists: Niels Bohr, Subrahmanyan Chandrasekhar, Cronin, Arthur H. Compton, Enrico Fermi, James Franck, Albert A. Michelson, Yoichiro Nambu, and Eugene P. Wigner.

Cronin saw himself as part of a long lineage of University of Chicago physicists. In 2001, he organized a symposium marking the 100th anniversary of Fermi's birth and edited the book *Fermi Remembered*, which explores the enduring significance of Fermi's work. "In his first year as a graduate student at the University of Chicago, Cronin studied with Enrico Fermi and developed a great respect for him," said Daniel Meyer, Director of the Special Collections Research Center. "When he was working on the Fermi centennial and publication, Cronin came to Special Collections frequently to do his own research in the Fermi papers. He

James Cronin's 1980 Nobel Prize Medal for Physics. The Nobel Prize medal design mark is the registered trademark of the Nobel Foundation.





The apparatus used in discovery of the charge-parity violation. A scientist is checking the electronics of the event detection system. James Cronin Papers.

continued

examined all of Fermi's original laboratory notebooks and located key letters and documents from Fermi's career."

"I am deeply grateful to the Cronin family for their invaluable gifts to the Library. Making James Cronin's papers and medals available to researchers and students fuels the rigorous inquiry of

faculty and the transformative education we provide students," said Brenda Johnson, Library Director and University Librarian. "Just as Enrico Fermi's papers were vital to James

Cronin, Cronin's papers will be important to succeeding generations. That is why the University of Chicago Library is committed to being the home of Nobel Prize winners' research."

In making her donation, Emily Cronin Grothe, LAB'78, shared her belief that the University of Chicago Library is the right home for his medals and papers. "Our family has a long history with the University of Chicago, with my grandfather, father, mother, uncle and daughter all receiving advanced degrees from the institution," she wrote. "Given that, and how proud my father was to be associated with The University and its remarkable approach and achievements in science, Dan and I never wavered in our commitment to house my father's papers and medals with The Library."



James Cronin's 1999 National Medal of Science.

Photo by Jane Lambert

desiderata

Please consider a contribution to enhance our collections.

Librarians are seeking funding for a variety of titles that would be valuable resources for University of Chicago faculty and students. Below is a sampling of these items.

Fedorin's Trouble. K. Chukovskii. Leningrad: Ogiz Gos. Detskoi Literatury, 1935. This long comic poem was the first and only edition printed and illustrated during the Soviet period. **\$500.**

Ladies Almanack: Showing their signs and their tides, their moons and their changes, the seasons as it is with them, their eclipses and equinoxes, as well as a full record of diurnal and nocturnal distempers. Djuna Barnes. Paris: Printed for the author, 1928. This volume is a fictional chronicle of lesbian life in 1920s Paris, featuring a unique historical perspective and the author's own illustrations. **\$600.**

National Atlas of the Arctic. V. V. Abramchenko. Moscow: Rosreestr Roskartografiya, 2017. This volume on Russia's Arctic region is a multi-media exploration of various topics, including geology, historical development, and ecology. **\$985.**

Pidgins and Creoles. Edited by Joseph T. Farquharson. London: Routledge, 2017. This four-volume collection showcases the current state of research on these languages and uniquely addresses the range of such languages. **\$1,291.95.**

Black-Belt Diamonds: Gems from the Speeches, Addresses, and Talks to Students. Booker T. Washington. New York: Fortune and Scott, 1898. 1st ed. This rare volume of his elusive second book includes an introduction by T. Thomas Fortune, prominent civil rights leader. **\$1,400.**

Atlas of German Dialects in the Czech Lands. Tübingen: Francke Verlag, 2014. This collection of seven volumes comprehensively surveys German dialects in nearly 500 locations in the Czech Republic. **\$2,308.04.**

Moses Maimonides, Unparalleled Editions. This collection of Maimonides' literary output includes the original Unparalleled Editions collection of 290 microfiches containing 58 titles which are printed in Hebrew, as well as imprints from the 16th to the 20th century, and examples of bilingual editions containing Hebrew and either Latin, Judeo-German, or French text. **\$4,220.**

To support the purchase of one of these titles, please send a check for the full cost, payable to The University of Chicago, with the title in the comment field, to The Library Society, 1100 East 57th Street, Suite 180, Chicago, IL 60637. You may also call Nadeige Uwamba, Development Associate, at 773-702-7695.

THANK YOU for your generosity.

For additional titles in need of funding, please visit lib.uchicago.edu/about/thelibrary/supportus/libsoc/desiderata.

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