Finding Aid for the W.D. Hershberger Papers, 1931-1984

Collection number: 386

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Descriptive Summary
Title: W.D. Hershberger Papers,
Date (inclusive): 1931-1984
Collection number: 386
Creator: Hershberger, W.D. (William Delmar), 1903-
Extent: 2 boxes (1 linear ft.)
Repository: University of California, Los Angeles. Library. Department of Special Collections.
Los Angeles, California 90095-1575

Abstract: William Delmar Hershberger (1903-1987) received his Ph.D in electrical engineering from the University of Pennsylvania (1937). He worked on submarine detection using underwater sound, applied pulsed microwaves to target detection, laid out the first complete radar equipment used in the successful 1937 Signal Corps tests, and worked on airborne radar and microwave radar techniques. He was also an engineering professor at UCLA from 1949 until his death. The collection consists of Hershberger’s laboratory notebooks pertaining to his predoctoral research at the U.S. Signal Corps Laboratories from 1931-37 and miscellaneous correspondence and manuscripts.

Physical location: Stored off-site at SRLF. Advance notice is required for access to the collection. Please contact the UCLA Library, Department of Special Collections Reference Desk for paging information.

Language: English.

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A copy of the original version of this online finding aid is available at the UCLA Department of Special Collections for in-house consultation and may be obtained for a fee. Please contact:

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UCLA Catalog Record ID
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Biography
William Delmar Hershberger was born on May 10, 1903 in Wellman, Iowa; AB in Mathematics, Goshen College, 1927; AM in Physics, George Washington University, 1930; Ph.D in electrical engineering, University of Pennsylvania, 1937; as a junior physicist at the Naval Research Laboratory, Washington DC, 1927-31, Hershberger worked on submarine detection using underwater sound; worked at U.S. Signal Corps Laboratories in Fort Monmouth, New Jersey, 1931-37, where he applied pulsed microwaves to target detection; in 1936 he laid out the first complete radar equipment used in the successful 1937 Signal Corps tests; engineer, RCA, 1937-49, where he worked on airborne radar and microwave radar techniques; was an engineering professor at UCLA from 1949 until his death on February 8, 1987.

Scope and Content
Collection consists of W.D. Hershberger's laboratory notebooks pertaining to his predoctoral research at the U.S. Signal Corps Laboratories, 1931-37. Also includes his resume, David Kite Allison's History of the Origin of Radar at the Naval Research Laboratories, and miscellaneous correspondence and manuscripts.

Indexing Terms
The following terms have been used to index the description of this collection in the library's online public access catalog.

Hershberger, W.D. (William Delmar), 1903—Archives.
University of California, Los Angeles—Dept. of Engineering—Faculty—Archival resources.
Radar—Research.

Box 1, Folder 1  Resumé. ca. 1973.
Box 1, Folder 2  Manuscripts and correspondence. 1979, n.d.
Box 1, Folder 3  Sound: Kinetic Theory, Thermodynamics (laboratory notebook). Not before 1931.
Box 1, Folder 4  Theoretical mechanics (laboratory notebook). Not before 1932.
Box 1, Folder 5  Analysis (laboratory notebook). Not before 1933.
Box 1, Folder 6  Electronicity. vol.2 / Circuit Theory (laboratory notebook). Not before 1934.
Box 1, Folder 7  Optics (laboratory notebook). 1930s(?).
Box 1, Folder 8  Engineering 4173F / Research Notes / Phosphors (laboratory notebook). 1951-1955.
Box 1, Folder 9  Tech Hochschule München -- Notes on InSb -- Microwave effects (laboratory notebook). Not before 1966(?).
Box 2, Folder 1  Untitled laboratory notebook, n.d.

Note
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<th>Container List</th>
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