

## UPA

## American Studies

## From Phonographs to U-Boats: Edison and His "Insomnia Squad" in Peace and War, 1911–1919



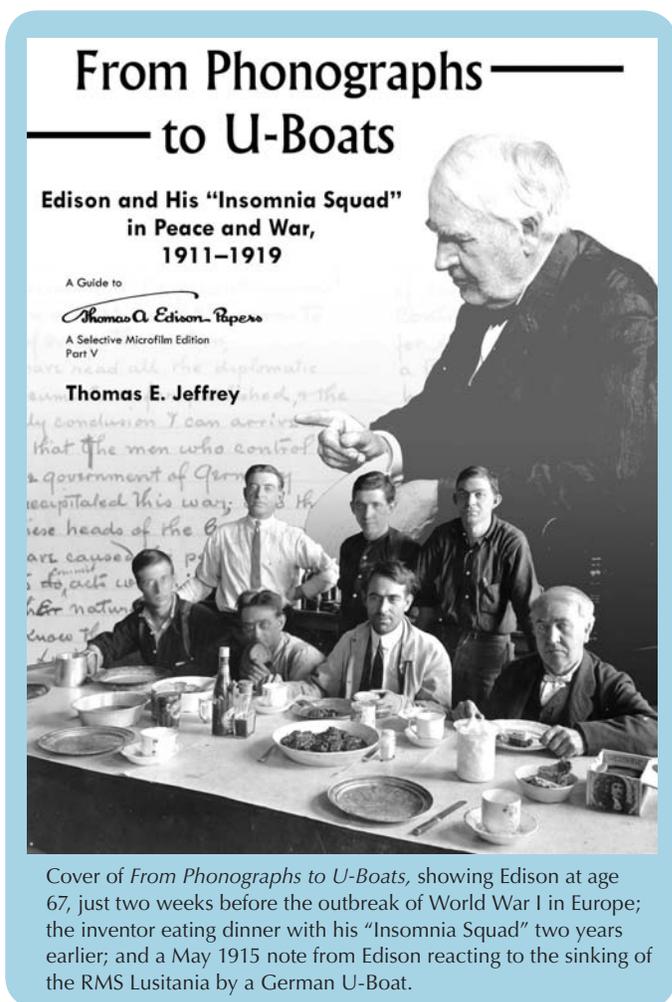
### A Guide to Thomas A. Edison Papers, A Selective Microfilm Edition, Part V

Thomas E. Jeffrey

*"For a period largely neglected by Edison biographers and historians, this data-packed volume reveals a range of exciting new issues and insights. All future studies of Edison for this period will have to begin with this substantial guide. An absolute must for all research and public libraries!"*

Reese V. Jenkins  
Professor of History, Rutgers University

Between 1916 and 1920, Mark Mandeville Jones, manager of the Personnel Service Department of Thomas A. Edison, Inc., and Chairman of the Board Charles Edison (the inventor's son) implemented a series of enlightened management principles that transformed Edison Industries from "the last place at which men desired to work to that of the first" (p. 124). Among the innovations introduced by Jones and Charles Edison were increased wages, free medical care, increased attention to workplace safety, and the creation of the Thomas A. Edison Association to "promote sociability" among Edison employees. The association purchased a clubhouse where employees could gather; initiated an athletic program with competitive baseball, basketball, and soccer teams; and sponsored a wide range of social activities. Within a period of six months, beginning in October 1920, Thomas Edison managed to undue the work of four years by firing 90 percent of his workforce and laying off numerous top-level managers in response to the severe economic downturn of 1920–1921. Charles Edison related to his biographer that the cost cuts ordered by his father "broke my heart."



Cover of *From Phonographs to U-Boats*, showing Edison at age 67, just two weeks before the outbreak of World War I in Europe; the inventor eating dinner with his "Insomnia Squad" two years earlier; and a May 1915 note from Edison reacting to the sinking of the RMS Lusitania by a German U-Boat.



was Charles Edison, who had been groomed by his mother to step into his father's shoes. But there was also Financial Executive Stephen B. Mambert, who had created his own little "empire" within the larger Edison organization, and Chief Engineer Miller Reese Hutchison, who had become Edison's right-hand man in the laboratory. The stories of these three men are related in fascinating detail in the book's second essay.

Taken together, these two essays demonstrate the exciting research opportunities presented by the documents in the *Thomas A. Edison Papers*. With hundreds of citations to the documents in Part V, *From Phonographs to U-Boats* will be of immense value to researchers navigating the microfilm edition as well as an important work of original scholarship.

In addition to describing a previously unexplored period in Edison's life, *From Phonographs to U-Boats* features biographical sketches of more than 350 managers, employees, and family members. The section entitled "Thomas Alva Edison and His Family Tree" provides the first accurate account of Edison's ancestry, correcting errors that have appeared in previous biographies, from the first "official" biography in 1910 to the present day.

The book also contains descriptions of over fifty companies affiliated with Edison Industries. As with the guides that accompanied the first four parts of the *Thomas A. Edison Papers* microfilm edition, there are series notes, a chronology, and an essay on editorial procedures. A special section of the chronology entitled "Mr. Edison Takes a Vacation" contains a detailed account of the Edison family's European tour of 1911 as well as a discussion of the inventor's famous camping trips with Henry Ford, Harvey Firestone, and John Burroughs.

*From Phonographs to U-Boats* is a fascinating study of life of Thomas Edison and his businesses between 1911 and 1919. With its interesting essays, biographical sketches, and detailed citations, it will be essential reading for students of Edison, and will also be of interest to students of labor-management relations, World War I, and social history.

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## Series Notes

### Notebook Series (Reels 228–244)

The 205 laboratory notebooks in this series primarily cover the years 1911–1921, although there are some entries from 1922–1927. The books are organized into three subseries according to the extent of Edison's involvement. They consist of eighty-five books in which Edison was the sole or primary author; fifty-six books in which he collaborated with other experimenters; and sixty-four books that either have indications of oversight and involvement by Edison or have loose notes by Edison inserted into the book. Also included in the Notebook Series are thirty-four pocket-sized books that were used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed.

#### Notebooks by Edison

These standard-size (6" x 9") notebooks were used primarily by Edison, but there are occasional notes by other experimenters as well as numerous

references to employees who assisted him in his work. The thirty-seven books for 1911–1916 consist primarily of notes and drawings pertaining to the development and manufacture of Blue Amberol and Diamond Disc records. There are also entries regarding storage batteries and chemical experiments. Seventeen notebooks from January 1917 to January 1918 relate primarily to research performed for the U.S. Navy during World War I. Much of this work was done in connection with submarine detection. The remaining thirty-one notebooks begin in May 1918, following Edison's return to West Orange from a three-month stay in Key West, Florida. In addition to military-related experiments, there are notes concerning salts and solutions for use in primary batteries, the processing of lithium ores, the construction of disc record blanks, and chalk telephone (electromotograph) experiments.

#### Notebooks by Edison

1.	N-11-06-07.1	(1911–1913)	228: 6
2.	N-11-06-00	(1911)	228: 110
3.	N-11-00-00.4	(1911)	228: 122
4.	N-13-00-00.3	(1911–1912)	228: 124
5.	N-12-02-01.4	(1912)	228: 202
6.	N-12-04-15.1	(1912)	228: 300
7.	N-12-07-28	(1912)	228: 383
8.	N-12-07-29	(1912)	228: 447
9.	N-12-08-09	(1912)	228: 513
10.	N-12-12-04	(1912)	228: 544
11.	N-13-08-05	(1913)	228: 550
12.	N-13-08-14.2	(1913)	228: 652
13.	N-13-08-25.2	(1913–1914)	228: 726

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In addition to the research essays and biographies, *From Phonographs to U-Boats* includes the same features as the guides that accompanied the first four parts of the *Thomas A. Edison Papers*. Here is the first page of the Series Notes to Part V. The Series Notes contain descriptions of each archival series and subseries reproduced on the microfilm, as well as listings of the individual volumes and folders keyed to their reel and frame numbers.

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Thomas E. Jeffrey is senior editor of the *Thomas A. Edison Papers* and has been the managing editor of the microfilm edition since its inception.

The *Thomas A. Edison Papers* (<http://edison.rutgers.edu>) is a major documentary editing project located at Rutgers, The State University of New Jersey. Its other sponsors are the National Park Service, New Jersey Historical Commission, and Smithsonian Institution. All of the documents in Part V have been filmed from the archives of the Edison National Historic Site in West Orange, New Jersey. Photographs courtesy of the Edison National Historic Site.