

## THOMAS D. CORNELL

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### RESEARCH INTERESTS:

- the early use of particle accelerators in nuclear physics (especially cyclotrons and Van de Graaff generators in the 1930s)
- the history of the physical sciences in the United States since the Civil War
- the role of science and technology in American society

### EDUCATION:

Rhodes College (formerly Southwestern at Memphis; Memphis, TN): B.A., Physics, 1974; Phi Beta Kappa.

Georgia Institute of Technology (Atlanta, GA): M.S., Physics, 1977.

The Johns Hopkins University (Baltimore, MD): Ph.D., History of Science, 1986.

Dissertation: "Merle A. Tuve and His Program of Nuclear Studies at the Department of Terrestrial Magnetism: The Early History of a Modern American Physicist"  
(Advisor: Robert Kargon).

Abstract in Dissertation Abstracts International, A: The Humanities and Social Sciences, Vol. 47, No. 2 (Aug. 1986), p. 639-A (UMI Order No. 86-09316).

### PROFESSIONAL SOCIETIES:

History of Science Society  
Society for the History of Technology  
Organization of American Historians

### PROFESSIONAL EXPERIENCE:

Teaching Assistant, History of Science Dept., The Johns Hopkins University, 1978-1979 and 1980-1981.

Editorial Assistant, Thomas A. Edison Papers, Edison National Historic Site, West Orange, NJ, Summer 1979.

Professor, RIT's College of Liberal Arts, since Sept. 2005; Associate Prof., 1998-2005;  
Assistant Prof., 1987-1998; Instructor, 1982-1987.

Joint appointment with the History Dept. and the Science, Technology, and  
Society/Public Policy Dept.

Courses Taught: "History: Modern American" (1982-2000)  
"Science, Technology, and Values" (since 1982)  
"History of American Technology" (since 1982)  
"History of Science" (since 1983)  
"Science and Technology Policy" (1986-1989)  
"Senior Seminar" (1987-1988; 1996)  
"Science, Technology, and Society Classics" (since 1992)

Faculty Service: College Tenure Committee (1995-1996; 1999-2000; 2004-2005)  
Science, Technology, and Society Dept. Chair (1996-2000; 2001-2004)  
Research Oversight Committee (one of the Academic Senate's  
representatives, since 1998; Chair, since 2005)  
College Honors Committee (2001-2002)  
College American Studies Planning Group (2001-2003)  
College Promotions Committee (2002-2004)  
College Women's Studies Coordinating Committee (2002-2003)  
College General Education Steering Committee (2003-2004)  
College Representative on the Academic Senate (since 2005)

#### PUBLICATIONS, PAPERS, AND INTERVIEWS:

Establishing Research Corporation: A Case Study of Patents, Philanthropy, and  
Organized Research in Early Twentieth-Century America (Tucson, AZ:  
Research Corporation, 2004).

-- paper presentation at the annual History of Science Society meeting, in  
Minneapolis, on 4 Nov. 2005

-- reviewed by Thomas C. Lassman in Technology and Culture, Vol. 47, No. 1  
(Jan. 2006), pp. 227-229.

"Merle Antony Tuve: Pioneer Nuclear Physicist," Physics Today, 41 (Jan. 1988), 57-64.  
Review of L. W. Alvarez, Alvarez: Adventures of a Physicist, and W. P. Trower, ed.,  
Discovering Alvarez: Selected Works of Luis W. Alvarez, with Commentary by  
His Students and Colleagues, in Isis, 79 (Sept. 1988), 548-549.

"Robert Jemison Van de Graaff," in Dictionary of American Biography, Supp. 8 (1988),  
pp. 665-666.

"Merle Antony Tuve," in Dictionary of Scientific Biography, Vol. 18 (1990), pp. 936-  
941.

"Merle A. Tuve's Post-War Geophysics: Early Explosion Seismology," paper presented  
at a symposium on the history of the Carnegie Institution of Washington, held in

- Washington, DC, 15-17 June 1992; revised for publication in Gregory A. Good, ed., The Earth, The Heavens and the Carnegie Institution of Washington: Historical Perspectives after Ninety Years (Washington, DC: American Geophysical Union, 1994), pp. 185-214.
- “Carnegie Institution of Washington” and “Merle Antony Tuve,” in Marc Rothenberg, ed., The History of Science in the United States: An Encyclopedia (New York: Garland, 2001), pp. 104-108 and pp. 560-561.
- “Henry Ford,” in Carl Mitcham, ed., Encyclopedia of Science, Technology, and Values (Detroit: Thomson Gale, 2005), Vol. 2, pp. 780-782.

Tapes and transcripts of interviews with Merle A. Tuve (13 Jan. and 5 Feb. 1982) and Lee A. DuBridge (6 Mar. 1987), deposited at the Center for History of Physics, American Institute of Physics, College Park, MD.

#### CURRENT RESEARCH PROJECT:

Writing an article on the program of nuclear studies (using one of the early cyclotrons) that Lee A. DuBridge established at the University of Rochester in the 1930s.

(most recently revised, 29 Aug. 2006)