

Stephen P. Waring

Associate Professor, History, University of Alabama in Huntsville
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Curriculum Vitae

Education and Credentials

1988 Ph.D. The University of Iowa, Iowa City, Iowa
 1982 M.A. The University of Iowa, Iowa City, Iowa
 1980 B.A. Doane College, Crete, Nebraska

Courses Taught:

Social History of American Technology
 American Environmental History
 American Social and Cultural History since 1877
 American Labor History
 American Business and Economic History
 Rise of Modern America, 1877-1919
 Modern America, 1920-1945
 The United States since 1877
 The United States to 1877
 World History, I and II
 Western Civilizations, I and II
 Studies in Twentieth-Century American History (graduate course)
 Studies in Modern Historiography (graduate course)
 Development of Management and Policy (graduate course in Public Affairs Program)

Research, Creative, and Scholarly Activity:

- **Books:**

The Challenger Investigations: Technology, Inquiry, and Politics (in progress)

Power to Explore: The History of NASA's Marshall Space Flight Center, 1960-1990. With Andrew J. Dunar. US GPO: Washington, DC, 1999. NASA SP-4313

Taylorism Transformed: Scientific Management Theory Since 1945. University of North Carolina Press, 1991

- **Refereed Journal Articles:**

"Cold Calculus: The Impact of the Cold War on Operations Research" in *Radical History Review* 63 (1995) "

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- **Book Chapters**

"Losing the Shuttle," in *Space Shuttle Legacy: How We Did It/What We Learned*, ed. by R. Launius, J. Krige, and J. Craig, AIAA, 2013

"Peter Drucker, MBO, and the Corporatist Critique of Scientific Management" in *A Mental Revolution: The Scientific Management Movement After Taylor*, edited by Daniel Nelson. Ohio State University Press, 1992

"Taylorism" in *A Companion to American Thought*, edited by Richard Fox and James Kloppenberg. Blackwell Publishers, 1995

- **Public History Projects**

Project manager, "Dora and the V-2: Slave Labor in the Space Age," museum exhibit, Salmon Library, University of Alabama in Huntsville, March-April 2010

Website co-author with Molly W. Johnson, "Dora and the V-2: Slave Labor in the Space Age," March 2010, dora.uah.edu

Project manager, 'Dimensions of Dora: Darkness and Despair Exhibit,' UAH Union Grove Gallery, 14 January-15 February 2001

- **Honors, Awards, and Special Recognitions:**

Phi Kappa Phi Honor Society, University of Alabama in Huntsville, 2003

Outstanding Teacher, College of Liberal Arts, presented by UAH Student Government Association, 2002-2003

American Institute of Aeronautics and Astronautics, History Manuscript Award, 2001, with Andrew J. Dunar, for *Power to Explore: A History of Marshall Space Flight Center, 1960-1990*

UAH Foundation Award for Outstanding Research, 2000

UAH Foundation Award for Distinguished Teaching, 1998

UAH Outstanding Student Group Advisor, Tau Omega Chapter of Phi Alpha Theta, 1993-1994

Alabama Library Association/Social Issues Resources Series Intellectual Freedom Award, with Andrew J. Dunar, 1993, (for successful defense of censorship of MSFC History Project)

Louis Pelzer Dissertation Fellowship in American History, The University of Iowa, 1987-88

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- **Research Grants and Contracts Received:**

Principal Investigator, "Dora and the V-2: Slave Labor in the Space Age Exhibition Grant," Alabama Humanities Foundation, September 2009, \$7620

NASA Faculty Fellowship, Marshall Space Flight Center, Summer 2003 (\$12,000)

NASA Faculty Fellowship, Marshall Space Flight Center, Summer 2002 (\$12,000)

NASA-MSFC Contract for History of NASA's Marshall Space Flight Center, co-Principal Investigator with Andrew J. Dunar, (\$613,000), 1988-1999

Fellowship in Aerospace History, American Historical Association, 1995-96 (*Challenger* research)

UAH Research Mini-Grant, 1996 (travel for *Challenger* research)

UAH Humanities Center Research Grant, Summer 1996 (*Challenger* microfilm and digital records)

UAH Humanities Center Research Grant, Summer 1995 (travel *Challenger* research)

- **Papers Delivered at Professional Meetings:**

"Losing the Shuttle" *Shuttle Legacy* Workshop at Georgia Tech, September 2012

"Rocket City Rising: Huntsville and the Early Space Race, 1940-1963," Wernher von Braun Memorial Symposium, American Astronautical Society—Huntsville Space—NASA Marshall Space Flight Center, Huntsville, AL, 21 October 2008

"Behind *Power to Explore: A Case Study of a Conflicted NASA History Contract*," with Andrew J. Dunar, Organization of American History, 31 March 2005, San Jose, California

"After the Accident: Stories of *Challenger*," Marshall Space Flight Center, NASA Faculty Fellowship Program (August 8, 2002)

"The *Challenger* Accident and Engineering Knowledge: 'What You Don't Know...'" American Historical Association (January 8, 1999)

"Beyond 'the Gate of Heaven: Marshall Space Flight Center's Diversification." Society for the History of Technology (October 16, 1993)

"The *Challenger* Accident and Anachronism: The Rogers Commission and NASA's Marshall Space Flight Center." National Council on Public History, Valley Forge, Pennsylvania (May 1, 1993)

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"A Political Economy for Cybernetic Managers: Herbert A. Simon's Science of Decision, 1935-1986." Conference on the History of the Professions, Iowa City, Iowa (May, 1987)

- **Popular Science Articles**

"Shuttle Accidents: Patterns and Parables," *Space Times: The Magazine of the American Astronautical Society* 43 (January/February 2004): 8-11

- **Book Reviews**

Twilight War: The Folly of U.S. Space Dominance by Michael Moore. Oakland, Calif.: The Independent Institute, 2008, *International History Review* (2009)

Von Braun: Dreamer of Space, Engineer of War by Michael J. Neufeld, A.A. Knopf, 2007, *International History Review* XXX December 2008

Scientists, Business, and the State, 1890-1960, by Patrick J. McGrath, The University of North Carolina Press, 2002, *American Historical Review* October 2002

Systems, Experts, and Computers: The Systems Approach in Management and Engineering, World War II and After, by edited by Agatha C. Hughes and Thomas P. Hughes, MIT Press, 2000. *Business History Review* v75 Winter, 2001

Aiming for the Stars: Dreamers and Doers of the Space Age, by Tom D. Crouch, 1999. *Technology and Culture* 42 April, 2001

American Dreams in Mississippi: Consumers, Poverty and Culture, 1830-1998, by Ted Ownby, The University of North Carolina Press, 1999. *Journal of Mississippi History* v53 Summer 2000

The Black O: Racism and Redemption in an American Corporate Empire, by Steve Watkins, The University of Georgia Press, 1997. *Journal of Mississippi History*

Powering Apollo: James E. Webb of NASA, by W. Henry Lambright, Johns Hopkins University Press, 1995. *Journal of American History*, September 1996

Chester I. Barnard and the Guardians of the Managerial State, by William G. Scott. *American Historical Review*, June, 1994

The Origins and Evolution of the Field of Industrial Relations in the United States, by Bruce E. Kaufman, Cornell University Press, 1992. *Journal of American History*, December 1993

Manufacturing Knowledge: A History of the Hawthorne Experiments, by Richard Gillespie, Cambridge University Press, 1991. *American Historical Review*, December, 1992

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▪ Invited Colloquia, Seminars and Presentations:

“The Cold War in History,” Academy of Science and Foreign Languages, April 2015 Huntsville, AL

“Another Five Stories on the Twenties,” Teaching American History, Madison County Schools, 10 November 2011, Huntsville, AL

“Rocket City Rising: Huntsville and the Early Space Race, 1940-1963,” Rising,” Teaching American History, Madison County Schools, 10 May 2008, US Space and Rocket Center, Huntsville, AL

“Five Stories on the Twenties,” Teaching American History, Madison County Schools, 10 July 2008, UAHuntsville, Huntsville, AL

“Talking History: Oral History at the Marshall Space Flight Center,” NASA Faculty Fellowship Program, MSFC, 31 July 2003

“American Life and Politics, 1900-1940,” Madison County Schools, Teaching American History Program, Huntsville, AL, 18 March 2003

“An Accident in History: Interpretations of *Challenger*,” UAH Liberal Arts Colloquium, 31 January, 2003

“After the Accident: Stories of *Challenger*,” NASA Faculty Fellowship Program, MSFC (8 August 2002)

‘Dimensions of Dora: Darkness and Despair Exhibit,’ UAH Union Grove Gallery, 14 January-15 February 2001

“Did Cold Weather Cause the *Challenger* Accident?” American Institute of Aeronautics and Astronautics, Reno, Nevada, 8 January 2001

“Taylorism Transformed: Management and Leadership in a Democratic Society,” Leadership Seminar, Jepson School of Leadership, University of Richmond, 2 March 1999

“The *Challenger* Accident: Failure of Leadership or Understanding?” Jepson School of Leadership, University of Richmond, 1 March, 1999

“Making Goods: Work, Machines, and Values in Industrializing America,” Burritt Museum, Huntsville, AL, 27 October, 1998

“Science, Religion, and History” for History Forum ‘97, Creationism and Evolution: The History of a Controversy, Huntsville, Alabama, 27 February 1997

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"Space Shuttle *Challenger* Accident," public lecture, Alabama Honors Council Conference, Huntsville, Alabama, 17 February 1996

"After the Death of Astronauts: The Apollo Fire and *Challenger* Accident Investigations," Apollo Anniversary Symposium, Auburn University, October 1994

"History of the Hubble Space Telescope," Phi Theta Kappa Honors Institute, Huntsville, Alabama, August 1994

"The *Challenger* Accident," Space Orientation for Professional Educators--Social Science, UAH, June 17, 1993

"History of Business Ethics Ideas," UAH College of Administrative Science Faculty Workshop on Business Ethics, March 5, 1993

"Anatomy of an Accident: The *Challenger* Disaster," UAH Liberal Arts Colloquium, January 15, 1993

"History of Marshall Space Flight Center," Space Orientation for Professional Educators--Social Science, UAH, June 1992

"History of Marshall Space Flight Center," UAH Honors Forum, May 1991

- **Media Appearances:**

Interview, Alabama Public Television program, *Missile to Moon*, a documentary on the life of Wernher von Braun and his impact on Huntsville, aired April 2012

Radio Interview, "Dora and the V-2: Slave Labor in the Space Age," *WLRH*, March 2010

"Power to Explore," Guest appearance with Andrew Dunar on Michael Feldman's *Whad'Ya Know* public radio show, Huntsville, AL, 18 November 2006

"Taylorism Transformed," *WLRH* Community Scholar Radio Program, 29 April 1992

Service Activities :

- **Service to the Profession:**

Chair, Society for the History of Technology (SHOT) Committee for SHOT-NASA Fellowship, 2011

Member, Society for the History of Technology (SHOT)-NASA Fellowship Committee, 2009-2012

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- **Service to the University:**

Member, UAH Science, Technology, Society Cognate planning committee, 2012

Member, President's UAH Mission Statement Committee, 2007-2008

Member, SACS Reaffirmation Leadership Team for re-accreditation of UAH, 2004-2006

Member, SACS Quality Enhancement Plan Committee, 2005-06

President, UAH Faculty Senate, 2002-03

Member, UAH Honorary Degree committee, 2002-03

Chair, ad hoc university Turnitin.com committee, 2003

Member, Knight vs. Alabama Advisory Committee, 2002-03

President-Elect, UAH Faculty Senate, 2001-02

New Faculty Orientation Panel, 2002, 2001

University of Alabama System Student Information System Task Force, 2001

UAH Faculty Appeals Committee, 2000-03

College of Liberal Arts Promotion and Tenure Committee, 1996-97, 1997-98, 1999-00

College of Liberal Arts Project Fast Start, 1997-98 (drafting remedial course in humanities)

College of Science Investigating Committee for Computer Security Incident, Fall 1996

UAH Faculty Senate Committees: Faculty Resources, 1989-90; Admissions and Scholastic Affairs, 1990-91; Personnel, 1991-92; Finance, 1991-2000; Chair: Admissions and Scholastic Affairs, 2000-01; Executive Committee, 2000-01

RELACS, Liberal Arts Colloquium Committee, 1989-97. Co-founder

Student Publications Board, 1992-94

Women's Studies Minor Task Force, creating a women's studies cognate, 1993-94

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- **Service to the Department:**

Department Chair, beginning Fall semester 2013

Chair, UAH COLA Public History Cognate, Planning committee, 2011

Research Experience—Undergraduate (REU) grant, UAH Faculty Senate, with Veronica Ferreira, 2008

Member, NCATE committee for accreditation of the Education Department, 2004-05

Department of History World History Initiative Committee, Chair, 2000-01

Department of History Multi-Media Committee (designed and purchased equipment for a smart classroom)

UAH Faculty Senate, History Department Representative, 1989-2001

History Forum Visiting Speaker Committee, 1989-95, 1996-97

Faculty Advisor, Tau Omega Chapter of Phi Alpha Theta, 1992-95

Graduate Council, Alternate Representative, Departments of History, Political Science, and Psychology, 1992-94, Curriculum Committee, 1992-94

College of Liberal Arts Curriculum Committee, 1993-95