

Jennifer G. Tucker

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- From 15 August, 2009-31 May, 2010 I can be reached during my sabbatical at the address below:

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ACADEMIC POSITIONS HELD

Wesleyan University, Middletown, CT
Associate Professor (2005-present); Assistant Professor (1998-2004)

Department of History, Feminist, Gender and Sexuality Studies Program, and Science in Society Program

Harvey Mudd College, Claremont, CA
Hixon-Riggs Visiting Professor of Science and Technology Studies (2009-2010)

Courses: "Ten Photographs That Shook the World";
"Science and the Moving Image"

California Institute of Technology, Pasadena, CA
Andrew Mellon Postdoctoral Fellow in Victorian Literature, Culture, and Society (1996-1998)

Courses: Gender and Politics in Modern Europe (with Dr. Miriam Feldblum, Political Science); History and the Power of the Visual Image (with Dr. William

Deverell, History); Art, Scientific Exploration and the British Empire (with Dr. Amy Meyers, Curator of American Art at the Huntington Library and Art Collections, San Marino, CA).

EDUCATION

The Johns Hopkins University, Baltimore, MD
Ph.D. in History of Science, Medicine, and Technology
(1990-1997)
Advisors: Dr. Robert Smith, Dr. Judith Walkowitz

University of Cambridge, Cambridge, England (Awarded a 1988 British Marshall Scholarship)
M.Phil. in History and Philosophy of Science (1988-1989)
Advisors: Dr. J.A. Bennett, Dr. Simon Schaffer

Stanford University, Stanford, CA
B.A. in Human Biology and History and Philosophy of Science with Honors
and Distinction in Neuropsychology of Vision, Perception and Memory (1983-1988)
Thesis: "Bees, Corks, Monsters, and Mites: The Retooling of Discovery in 17th Century English Microscopy"
Advisors: Dr. Peter Galison, Dr. Jane Maienschein

RESEARCH AND TEACHING INTERESTS

Science and Victorian visual culture; modern British cultural and political history and politics; feminist science and media studies; theories, ethics, and practices of photography since 1839; science and cinema; nature photography and film since the 19th century
labor history; science and investigative journalism; history and biology of "looking"

BOOKS

"Interpreting the Universe: The Nature of Collaborations between Artists, Journalists, and Scientists in Fin-de-Siècle London," *manuscript in preparation*.

Nature Exposed: Photography as an Eye Witness in Victorian Science. Baltimore: Johns Hopkins University Press, 2005.

EDITED VOLUMES

Guest Editor, *History and Theory: Studies in the Philosophy of History*, Special Theme issue: "Photography and Historical Interpretation," forthcoming December 2009.

ARTICLES

"Objectivity, Collective Sight, and Scientific Personae," *Victorian Studies* 50 (4) (2008): pp. 648-657.

"The Historian, the Picture and the Archive," *Isis* 97 (March 2006): 111-120.

"Voyages of Discovery on Oceans of Air: The Image of Science in an Age of 'Balloonacy,'" *Osiris* (1996): 144-176. [Translated and reproduced as "Voyages exploratoires sur les océans des airs : observation scientifique et image de la science à l'ère de la Ballomanie" (Musée-Promenade, 2009).]

BOOK CHAPTERS/EXHIBITION CATALOGUE ESSAYS

"W.T. Stead, *Borderland*, and the 'Scientific Spirit' of Spiritualism in 1890s London," in Sarah Wilburn, ed. (Ashgate Press, forthcoming), in preparation.

"Portrait Photography, Visual Culture, and the Reform of British Science," in *Sun-Limned Portraits: The Photography of Richard Beard & Antoine Claudet*, edited by Geoffrey Batchen. (New Haven: Yale Center for British Art, forthcoming in 2010).

"The 'Social Photographic Eye,'" in *Brought to Light: Photography of the Invisible*, ed. Corey Keller (New Haven: Yale University Press, 2008).

Brought to Light was shortlisted for the And/Or Prize for Best Book on Photography 2009, London. It was translated into German as "Die gesellschaftliche Prägung des fotografischen Blicks," for publication as an exhibition catalogue for the opening of the exhibition at the Albertina Museum (Vienna, Austria).

"Gender and Genre in Scientific Photography." In Ann Shteir and Bernard Lightman, eds, *Figuring It Out: Visual Languages of Gender in Science* (University of New England Press, 2006).

"Hugh Diamond." *New Dictionary of National Biography*. Oxford University Press, 2000.

"Photography." In Arne Hessenbruch, ed., *The Reader's Guide to the History of Science* (London: Fitzroy Dearborn Publishers, 1998).

"Photography as Witness, Detective, and Imposter: Visual Representation in Victorian Science." In Bernard Lightman, ed., *Science in Victorian Context* (Chicago: University of Chicago Press, 1997): 378-408.

"Naissance de la Radioastronomie: Techniciens et Scrutateurs de L'Invisible," *Les Cahiers de Science et Vie* (April 1992): 16-24.

REVIEWS

Review of **Medicine's Moving Pictures**, ed. L. Reagan, N. Tomes, and P. Treichler. In *Bulletin of the History of Medicine* (Fall 2009).

Review of **The Tichborne Claimant: A Victorian Sensation**, by Rohan McWilliam. *American Historical Review* 113 (June 2008).

Review of **Predicting the Weather**, by Katharine Anderson. In *Annals of Science*.

Review of **The Long Sexual Revolution: English Women, Sex and Contraception, 1800-1975**, by Hera Cook. In *Bulletin of the History of Medicine*, 79 (Spring, 2005).

Review of **African-American Pioneers in Anthropology**, by Ira E. Harrison and Faye V. Harrison. In *Isis* (June 2004).

Review of **Nature's Government: Science, Imperial Britain, and the "Improvement" of the World**, by Richard Drayton. In *Journal of Colonialism and Colonial History* (Fall 2001).

Review of **Nature's Museums: Victorian Science and the Architecture of Display**, by Carla Yann. In *Journal of the Society of Architectural Historians*, (March 2001).

Review of **Science Incarnate: Historical Embodiments of Natural Knowledge**, by Christopher Lawrence and Steven Shapin, eds. In *Victorian Studies* 42 (2000).

Review of **Empire's Nature: Mark Catesby's New World Vision**, by Amy R.W. Meyers and Margaret Beck Pritchard. In *Journal of Garden History* (2000).

SELECTED RESEARCH GRANTS, FELLOWSHIPS, AND PRIZES

Received a grant from the **Albritton Center for the Study of Public Life**

at Wesleyan University for the series, "Eye of History: The Camera as Witness" (Fall 2008).

Meigs Fellowship, Dept of History, Wesleyan University (Spring 2006)

Visiting Faculty Research Fellow, The Sterling and Francine Clark Art Institute, Williamstown, Massachusetts. (Fall 2005)

Faculty Research Fellow, Yale Center for British Art (Sept.-Oct. 2003).

Faculty Fellow, Center for the Humanities, Wesleyan University (Spring 2003)

National Endowment for the Humanities Summer Research Grant (2000)

Andrew W. Mellon Postdoctoral Fellow in Victorian Studies, California Institute of Technology, Pasadena, California (1996-1998)

National Endowment for the Humanities Dissertation Grant
(1995-1996)

National Science Foundation Dissertation Improvement Grant
(1995)

**Social Science Research Council and the American Council of
Learned
Societies Dissertation Grant** for dissertation research
in London,
England (1994-1995)

**Summer Graduate Fellowship, National Air and Space Museum,
Smithsonian Institution, Washington, D.C.** (June-
August, 1992)

George E. Owen Graduate Fellowship at Johns Hopkins
University (1990-1994)

British Marshall Scholarship, University of Cambridge
(1988-1990)

Golden Grant for Undergraduate Senior Thesis Research,
Stanford University (1987)

TEACHING AWARDS, PRIZES, AND GRANTS

Awarded a "**Science across the Curriculum**" Grant (Wesleyan)
to develop a collaborative course, "**Little Green
Men": Theories about Mars since the 1600s,**" with
Prof. Martha Gilmore, planetary geologist and
Mars specialist in the Department of Earth and
Environmental Sciences, Wesleyan University.
(Spring 2009)

Participated in a working group to design and teach "Issues
in Contemporary Historiography" seminar (HIST
362) for History Department majors (2008 2009)

Women's Studies Program Working Group, 2003-2004, funded by
a seed grant from the Pedagogical Renewal
Committee and the Fund for Innovation.

Helped design and implement new criteria for
gateway courses in the WMST major and reviewed

ways to better serve general education in
critical feminist studies at Wesleyan.

Seminar member, "Intersectionalities," a faculty
development seminar created to examine the
intersections of gender, race, class,
sexuality, and nationalism in research and teaching,
funded by a grant from the Mellon Foundation,
2001-2002.

TEACHING

Awarded a **Carol A. Baker Memorial Prize for Interdisciplinary Teaching and Research**, Wesleyan University (2001)

Awarded a **Dean's Award for Excellence in Teaching**, Johns Hopkins University (1995)

Survey Courses Taught (>25 students)

- ❖ Sciences as Social and Cultural Practices
- ❖ "Little Green Men": Theories about Mars since the 1600s (with Dr. Marty Gilmore, planetary geologist in the Department of Earth and Environmental Sciences)
- ❖ Intro to Feminist Science and Media Studies
- ❖ Globalizing Britain: Empire, Home, and Diaspora
- ❖ Topics in Gender, Race, and Medicine
- ❖ Introduction to Women's Studies (2001-2002)
- ❖ Women, Gender and Sexuality in Western Europe since 1789
- ❖ Survey of the History of Science and Technology since 1700

Seminars Taught (<20 students, including first-year and advanced)

- ❖ Life Science, Art, and Culture since 1600
- ❖ Ten Photographs that Shook the World
- ❖ Victorian London Streets
- ❖ Gender and History
- ❖ Science in American Life from Jefferson to Jet Propulsion Lab
- ❖ Evolution, Pictures and Publics
- ❖ Science and the Moving Image: From Wildlife Film to Sci Fi and Beyond
- ❖ Gender, Science, and British Cultural History
- ❖ FGSS Senior Seminar Leader

RECENT UNIVERSITY ADMINISTRATIVE ROLES

Chair, Feminist, Gender, and Sexuality Studies Program (2008-2009).

University Advisory Committee (tenure and promotion committee), 2002-2004.

Faculty representative to University Honors Committee, 2007-2008; 1999-2000.

Faculty representative to Trustees Campus Affairs Committee, 2006-2007.

University Mentor Fellowship Program, 2006-2008.

Rhodes/Marshall Scholarship Interviewing Committee, 2002-2003.

Field Advisor for "Gender and History," Department of History, 2002-present.

Search Committee Member: "Race and Sexuality" (FGSS/AFAM, 2009); "Gender and Colonialism" (History Department, 2002); "Sociology of Medicine" (SISP/SOC, 2008-2009); "History of U.S. Science" (History Department, 2006)

RECENT AND UPCOMING COLLABORATIVE PROJECTS

Co-organizer of the **2010 Hixon-Riggs Public Forum on "Science a Moving Image,"** a three-day conference and related events investigating the relationship between film/moving images and the making of modern science that will take place in February 2010. (Harvey Mudd College, Claremont, California). (For more information about the Hixon-Riggs forum please visit <http://www.hmc.edu/academicsclinresearch/interdisciplinarycenters/hixonforum1/forum.html>).

Leader of Faculty Reading Group on "New Works in Animal Studies" at Harvey Mudd College, Fall 2009.

Organizer of "**Eye of History: The Camera as Witness**" (Fall 2009), a semester-long series at Wesleyan exploring the past, present, and future of photographic eye-witnessing and the nature of photographic evidence in the world today through a semester-long series of exhibitions, films, panels, a conference, and talks at Zilkha Gallery, Davison Art Center, and Olin Library. (For more details please visit <http://eyeofhistory.wesleyan.edu>).

Organizer of the **Diane Weiss '80 Memorial Lecture**: "Ending 'Jane Crow': How Women's Workplace Activism in the 1970s Changed the Country," by Prof. Nancy MacLean (Northwestern University), Feb. 12, 2009, Wesleyan University.

Co-organizer of the **2008 FGSS Program Symposium: "Islam and Gender: Social Changes and Diversity in Muslim Communities,"** featuring Prof. Suzanne Brenner, Prof. Yvonne Haddad, and Prof. Arzoo Osanloo, October 10, 2008. (Supported by a University Lectures grant).

Coordinator, **FGSS Fall Symposium, October 8, 2004: "Challenging Gender and Sexuality Discrimination Inside and Outside of the Courts,"** featuring Prof. Reva Siegel (Yale Law School Faculty) and Prof. Chai Feldblum (Georgetown Law School Faculty).

Faculty Consultant, NSF seminar on "Research and Teaching the History of Science at Historically Black Colleges and Universities," organized by Keith Benson and Evelyn Hammonds. Supported by grants from the National Science Foundation, History of Science Society, and the Dibner Institute. Keystone, Colorado (June-July 2003).

Co-Chair, Speaker's Committee, Women's Studies Program, 1999-2000. Planned and helped develop a two-day **WMST symposium on "Critical Perspectives on Gender and Sexuality in African Cinema: A Round-table with African Women Film and Video-Makers,"** December 3-4, 1999, and the Diane Weiss Memorial Lecture, "Race and Gender in 19th-century American Medicine," by Evelyn Hammonds, MIT, April 6, 2000.

Organized **"History of Women, Health, and Medicine" seminars**, Spring 1999: "The Caribbean State: Health Care and Women," by Professor Patricia Rodney of the Public Health Program at the Morehouse School of Medicine in Atlanta, Georgia; and "Making Health Policy," an informal conversation with Ruth J. Katz, Associate Dean for Administration at Yale University School of Medicine, former member of the Advisory Committee on Tobacco Policy and Public Health, and former Candidate for the U.S. House of Representatives.

SELECTED CONFERENCE PAPERS, LECTURES AND INVITED TALKS

2009

"Picturing Science in the Age of Darwin," WeSeminar, Wesleyan University, April 18, 2009.

"Darwin and Victorian Visual Culture," Art in Context talk, Yale Center for British Art, April 10, 2009.

"Darwin, Natural Sciences, and Victorian Visual Culture," Charles Darwin Bicentennial Colloquium Series, University of Connecticut -Avery Point, Feb. 10, 2009.

2008

Panelist, San Francisco Museum of Modern Art, on the occasion of the opening of "Brought to Light: Photographs of the Invisible, 1840-1900," curated by Corey Keller, Dec.14, 2008.

Coordinator of "Eye of History: The Camera as Witness," a series including a panel, exhibitions, films and talks at Wesleyan in Fall 2008 exploring how photographs shape the ways in which people remember historical events and engage the world.

Panel Commentator, "Biopolitics of Images" at Photographic Proofs: A Conference on Image, History, and Memory, Yale University, April 7-8, 2008.

2007

Panel Commentator, "Illuminated Visions: Artificial Light and Perception in Nineteenth-Century Britain." History of Science Society annual meeting, Washington, D.C., Nov. 7, 2007.

"Elgar and His World: The Composer and His Laboratory," Bard Music Festival, Annandale-on-Hudson, N.Y, Aug. 17-19, 2007.

2006

"Art History and the Unseen," J. Paul Getty Center, San Marino, CA, Jan. 19-20, 2006.

2005

"Art History and the Unseen." Clark/Getty Workshop, The Clark Art Institute, Williamstown, Ma. Oct. 28-29, 2005.

2004

"Pre-Raphaelitism and Science: Painting, Photography and the Investigation of the Visible World." Symposium to accompany the opening of the exhibition, "Pre-Raphaelite Vision: Truth to Nature," Tate Britain Museum, London, 19-20 March, 2004.

2003

"Gender and Genre in Victorian Scientific Photography." History of Medicine Colloquium Series, Yale University, 9 February, 2004; and History of Science Society Annual Meeting, Boston, Massachusetts, 22 November, 2003.

"Drawing Fish in the Eighteenth-Century Age of Ocean Exploration: Art and Scientific Illustration in the British Empire," Invited Public Lecture, Art in Context Series, Yale Center for British Art, 17 November, 2003.

"Visualizing Imperial Science: Nature and the Victorian/Edwardian Graphic Magazine." North American Conference for British Studies, Portland, Oregon, 25 October, 2003; and North American Conference for Victorian Studies, Bloomington, Indiana, 17 October, 2003.

"Art As Evidence: Science, Controversy, and the Public Exhibition of Spirit Photographs in Victorian London." Invited talk, Andrew W. Mellon Symposium, "Is Seeing Believing?" Huntington Library and Art Collections, San Marino, California, May 31, 2003.

"Problems of Trust in Victorian Photography." Center for the Humanities, Wesleyan University, April 21, 2003.

"Nature Exposed: Problems of Trust in Victorian Photography, 1850-1880." Invited talk, Department of the History and Philosophy of Science, University of Cambridge, England, January 16, 2003.

2002

"Making Feminist Sense of Scientific and Medical Photographs." Invited talk, History Department Graduate Seminar, Boston College, December 5, 2002; and History Department, York University, Canada, May 14-16, 2002.

"The Political Woman in Modern Britain." Panel Commentator, New England Conference on British Studies, Yale University, October 17, 2002.

"Parting Glances: New Directions in the Study of Science, Gender, and Visual Culture." Invited talk, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, Germany, June 6, 2002.

"Women, Gender, and Spirit Photography." Invited talk, Department of Geography, Queen's University, Belfast, Northern Ireland, June 1, 2002.

2001-1994

"Scientific Illustration in a Gendered Colonial Context." Victorian Visual Culture Seminar, Department of the History of Art, Yale University, October 9, 2001.

"Photography as a Witness: Forensic Science and Photographic Authority, 1870-1880." Lecture presentation at the interdisciplinary conference, "Locating the Victorians," Victoria and Albert Museum and the Imperial College of Science and Technology, London, July 16, 2001.

"Borderlands of Knowledge: Women, Gender, and Scientific Epistemologies of Spirit Photography." Invited talk, Department of History, University of Utah, April 22, 2001.

"Spirit Photography." Invited talk, Dibner Institute for the History of Science, Massachusetts Institute of Technology, Cambridge, Massachusetts, March 20, 2000.

"New Perspectives on Science, Race, and Gender." Panel Co-organizer, American Historical Association, Chicago, Illinois, January 6, 2000.

"Science for the People: Women Scientists and the American Left in the 1960s." American Historical Association, Chicago, Illinois, January 2000.

"Victorian Women, Art, and Science." Panel Commentator, History of Science Society, Pittsburgh, Pennsylvania, November 1999.

"Spirit Photography and the Cultural History of Science." Invited talk, "Photography of the Invisible" Conference, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, Germany, January 1999.

"Marvels of Science: The Microscopic World in the Victorian Illustrated Press," Department of the History and Philosophy of Science, Harvard University, December 1997.

"The Victorian Scientific Hero: Genius, Character, and Work in the Age of Professionalization." Panel Commentator, History of Science Society, La Jolla, California, November 9, 1997.

"Occultism and Politics in the British Empire." Panel Commentator, North American Conference on British Studies, Pacific Grove, California, October 1997.

"Mars and Martians in the American Illustrated Press, 1880-1920." Invited talk, National Museum of American History, Smithsonian Institution, Washington, D.C., August 1997.

"Germ Warfare Imagery, Colonial Science, and Victorian Military Battle Paintings." West Coast History of Science Society, Pomona College, May 1997.

"Photography in Victorian Science." Invited public talk, Department of the History and Philosophy of Science, University of Cambridge, November 9, 1994.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Editorial Advisory Board Member,
"Science/Technology/Culture" series, University of Massachusetts Press. Editors: Carolyn de la Peña and Siva Vaidhyanathan.

American Historical Association
History of Science Society
North American Victorian Studies Association
Berkshire Conference of Women Historians

North American Conference on British Studies
Society for Cinema and Media Studies
Society for the History of Technology