

SALLY GREGORY KOHLSTEDT

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Present Position: Professor and Director (2008-13), Program in History of Science and Technology
Graduate Fields: HSTM, History, American Studies, Museum Studies, Social
Studies of Science and Technology, and Gender, Women, and Sexuality Studies
University of Minnesota, 1989--

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Education: Ph.D. University of Illinois, Urbana, 1972
M. A., Michigan State University, 1966
B. A. Valparaiso University, 1965

Other Positions: University of Auckland, Senior Fulbright Fellow/Visiting Professor, 2008
Department of Anthropology, Interim Chair, UMN, 2004-2006
California Institute of Technology, Visiting Associate, Spring, 2004
Center for Advanced Feminist Studies, UMN, Director, 1997-1999
University of Munich, Visiting Professor, Amerika-Institut, Spring 1997
College of Science and Engineering, Assoc. Dean for Academic Affairs, 1989-95
Cornell University, Visiting Professor, Spring, 1989
University of Melbourne, Fulbright Visiting Professor, Spring 1983
Harvard University, Visiting Research Scholar, Fall 1982
Syracuse University, Asst. to Full Prof., Department of History, 1975-1989;
Acting Chair of History, 1980-1981; Women's Studies Director, 1980-1982
Simmons College, Asst. Prof., Department of History, 1971-1975

Honors and Grants (excluding smaller in-house university funds at Syracuse and UMN):

Valparaiso University Outstanding Alumni Award, 2011
Ada Comstock Distinguished Women Scholar Award, UMN, 2011
UMN President's Award for Outstanding University Service, 2004
Mullen/Spector/Truax Women's Leadership Award, UMN, 2002
George Taylor Distinguished Service Award, IT, 2000
UMN TEL Award: Outstanding Computer Aided Course Project, 1998
American Association for the Advancement of Science, Fellow
History of Science Society Distinguished Lecturer, 1988
Smithsonian Institution Senior Fellow, Spring, 1987
Woodrow Wilson Center Fellow, Fall, 1986
American Antiquarian Society, Haven Research Fellow, October 1982;
Member, 1984

National Science Foundation, Research Funding, Summer 1969, 1978-1979, 1993-94, 1995, 2010; Conference Funding, 1984, 1995, 2000, 2012; for PhD student dissertation enhancement grants, 1994-2008 (8)
American Philosophical Society Research Grant, 1977
Smithsonian Institution Pre-Doctoral Fellow, 1970-1971

Professional:

American Association for the Advancement of Science (Section L -Nominating Committee, 1981-1983; Chair cycle, 1985-87; Fellow, 1989; Nominating Committee, 1996-1998; Consortium for International Programs, 1992-1999, Executive Committee, 1997-1999; Archives Advisory Committee, 1998B; Board of Directors, 1998-2002; Chair, Advisory Committee on the Dialogue of Science, Ethics, and Religion Division, 2002-2005; Council, 2003-2006; Section L, Member-at-Large, 2010-2014)
American Association of University Professors, life member
American Historical Association (Life Member; Professional Committee, 1974-1976; representative, U.S. National Archives Advisory Council, 1974-1976)
British Society for the History of Science
Forum on the History of Science in America (Coordinating Committee, 1980-1988; Chair, 1985, 1986; Steering Committee, 2002-2004)
History of Science Society (Life Member; Secretary, 1978-1981; Council, 1982-1984, 1989-1991, and 1994-1995; Committee on Publications, 1982-1987; chair, Nominating Committee, 1985; Visiting Lecturer, 1988-1989; chair, Education Committee, 1989; Vice-President, 1990 and 1991 and President, 1992 and 1993; Finance Committee, 1994-1997; Fund Raising Committee, 1999-2000; Nominating Committee, Chair, 2000; Committee for the annual Pfizer Prize for Outstanding Book in the History of Science, 2006-2008 (chair, 2008)
International Congress for the History of Science (U. S. delegation, 1977, 1981, Vice-chair, 1985)
Organization of American Historians (Life Member; Committee on the Status of Women, Chair, 1983-1985; Endowment Fund Raising Subcommittee, 1990-1991)
Sigma Xi
Society for the History of the Earth Sciences

Books: *Monographs/ Edited Volumes/Journal Special Issues

Science in the American Century: Perspectives on Science, Technology, and Medicine: An Isis Reader, edited with David Kaiser (Chicago: University of Chicago Press, 2013).

Europe-Migration-Identity, edited with Jan Logemann and Donna Gabaccia, special issue of *National Identities* 15 (2013).

**Teaching Children Science: Hands-On Nature Study in North America, 1890-1930* (Chicago: University of Chicago Press, 2010).

“Gender and Networking in Twentieth-Century Physical Sciences,” edited with Maria Rentetzi, special issue of *Centaurus* 51(2009).

Women in Science: An Isis Reader, ed. (Chicago: University of Chicago Press, 1999).

**The Establishment of Science in America*, co-authored with Michael Sokal and Bruce Lewenstein (New Brunswick: Rutgers University Press, 1999).

Women, Gender, and Science: New Directions, Osiris 12, edited with Helen Longino (Chicago: University of Chicago Press, 1997).

Gender and Scientific Authority, edited with Barbara Laslett, Helen Longino, and Evelyn Hammonds, (Chicago: University of Chicago Press, 1996).

The Origins of Natural Science in the United States: The Essays of George Brown Goode, ed. (Washington: Smithsonian Institution Press, 1991).

International Science and National Scientific Identity: Australia between Britain and America, edited with Rod Home (Holland: Kluwer Academic Publishers, 1991).

Historical Writing on American Science, Osiris, edited with Margaret Rossiter, 2nd Series, 1 (1985). Reprinted as a paperback (Baltimore: Johns Hopkins University Press, 1986).

**The Formation of the American Scientific Community: The American Association for the Advancement of Science* (Urbana: University of Illinois Press, 1976).

Articles in Reviewed Journals* and in Reviewed and Edited Books Relating to the History of Science

“Foreward: The Material and Personal Value of Care,” in *For Better or For Worse: Collaborative Couples in the Sciences*, ed. Annette Lykknes, Donald L. Opitz, and Brigitte Van Tiggelsen (Springer Press, 2012), pp. v-viii.

“Through Books to Nature: Texts and Objects in Nature Study Curricula,” in *Science in Print: Essays on the History of Science and the Culture of Print*, ed. by Rima D. Apple, Gregory J. Downey, and Stephen L. Vaughn (Madison: University of Wisconsin Press, 2012), pp. 156-179.

“Place and Museum Space: The Smithsonian Institution and the America West, 1850-1900” in *Geographies of Nineteenth-Century Science*, ed. by David Livingstone and Charles Withers (Chicago: University of Chicago Press, 2011), pp. 399-437.

*With Anne Brataas, “Shared and Distinctive Missions: The University of Minnesota and Its Natural History Museum, 1860-1960,” *Museum History Journal* 4 (2011): 47-72.

**“Unstable Networks among Women in Academe: The Legal Case of Shyamala Rajender,” *Centaurus* 51 (2009): 37-62.

**“Otis T. Mason’s Tour of Europe: Observation, Exchange, and Standardization in Public Museums, 1889,” *Museum History Journal* 2 (2008): 181-208.

*A>A Better Crop of Boys and Girls:= The School Gardening Movement, 1890s to the 1920s,@ *History of Education Quarterly* 48 (February 2008): 58-93.

A Nature by Design: Masculinity and Animal Display in Nineteenth-Century America, @ for *Figuring It Out: Vocabularies of Gender in Science, Technology, and Medicine*, ed. Ann Shteir and Bernie Lightman (Hanover: University Press of New England, 2006), pp. 110-139.

A > Thoughts in Things: = Modernity, History, and North American Museums, @ *Isis* 96 (December 2006): 586-601.

*A Nature not Books: Scientists and the Origins of the Nature Study Movement in the 1890s, @ *Isis* 96 (September 2005): 324-352.

With Paul Brinkman, A Framing Nature: The Formative Years of American Natural History Museum Development @ in *Museums and Other Institutions of Natural History, Past, Present, and Future*, ed. Alan Levitson and Michele Aldrich (San Francisco: California Academy of Sciences, 2004).

"Patterns of Participation: Women in Science and Technology in the Twentieth Century," *National Women's Studies Association Journal* 16 (Spring 2004): 1-26. [Special Issue on (Re)Gendering Science Fields]

-Reprinted with additions in *Removing Barriers: Women in Academic Science, Technology, Engineering, and Mathematics* (Bloomington: Indiana University Press, 2006).

With Donald Opitz, "Re-imag(in)ing Women in Science: Crafting Self-Images and Negotiating Gender in Science," in *Changing Images of the Sciences*, ed. by Ida Stamhuis, Teun Koetsier, Cornelis de Pater and Albert van Helden, (Dordrecht: Kluwer, 2002), pp. 205-240.

With Mark Jorgensen, "'The Irrepressible Woman Question': Women's Responses to Darwinian Evolutionary Ideology," in *Disseminating Darwinism: The Role of Place, Race, Religion, and Gender*, ed. Ronald Numbers and John Stenhouse (Cambridge: Cambridge University Press, 1999), pp. 267-293.

*"Nature Study in North American and Australasia, 1890-1945," *Historical Records of Australian Science* 11 (June 1997): 439-454.

"German Ideas and Practice in American Natural History Museums," in Henry Geitz, Jurgen Heideking, and Jurgen Herbst, eds., *German Influences on Education in the United States to 1917* (Cambridge: Cambridge University Press, 1995), pp. 103-114.

"Science: The Struggle for Survival, 1880-1894," in *Science*, 208 (4 July 1980): 33-42.

-Reprinted in *The Science Centennial Review*, ed. Philip H. Abelson and Ruth Kulstad (Washington, D.C.: AAAS, 1980), pp. 15-24.

"Museums: Revisiting Sites Natural History," (review essay) *Journal for the History of Biology* 28(1995): 151-166.

*"Historical Perspective on Women in Science," *Osiris* 10 (1995).

"Entrepreneurs and Intellectuals: Natural History in Early American Museums," in William T. Alderson, ed., *Mermaids, Mummies, and Mastodons: The Emergence of the American Museum* (Washington, D.C.: American Association of Museums, 1992): 23-40.

"International Exchange in the Natural History Enterprise: Museums in Australia and the United States," in S. G. Kohlstedt and R. W. Home, eds., *International Science and National Scientific Identity: Australia between Britain and America* (Holland: Kluwer Academic Publishers, 1991): 121-149.

*"Parlors, Primers, and Public Schooling: Education for Science in Nineteenth Century America," *Isis*, 81 (Fall, 1990): 424-445. This essay was based on my plenary History of Science Society Lecture, 1989.

-Reprinted in *The Scientific Enterprise in America*, ed. Ronald L. Numbers and Charles E. Rosenberg (Chicago: University of Chicago Press, 1996).

*"Collections and Cabinets: Natural History Museums on Campus, to 1860," *Isis*, 79 (Fall, 1988): 405-426.

*"History in a Natural History Museum: George Brown Goode and the Smithsonian Institution," *Public Historian*, 10 (1988): 7-26.

"Museums on Campus: A Tradition of Inquiry and Teaching," in Ronald Rainger, Keith Benson, and Jane Maienschein, eds., *The American Development of Biology* (Philadelphia: University of Pennsylvania Press, 1988): 15-47.

"International Exchange and National Style: A View of Natural History Museums in the United States, 1860-1900," in Nathan Reingold and Marc Rothenberg, eds., *Scientific Colonialism: A Cross-Cultural Comparison* (Washington: Smithsonian Institution Press, 1987): 167-190.

*"Collections, Cabinets and Summer Camp: Natural History in the Public Life of Nineteenth-Century Worcester," *Museum Studies Journal* 2 (Fall, 1985): 10-23.

"Natural History at Dickinson and Other Colleges in the Nineteenth Century," *John and Mary's Journal* 10 (Winter, 1985): 27-48.

*"Historical Records in Australian Museums of Natural History," *Australian Historical Bibliography, Bulletin* 10 (1984): 61-82.

*"Natural Heritage: Securing Australian Materials in 19th Century Museums," *Museums Australia* (July, 1984): 15-22.

*"Australian Museums of Natural History: Public Priorities and Scientific Initiatives in the Nineteenth Century," *Historical Records of Australian Science*, 5 (1983): 1-29.

*"Henry A. Ward: The Merchant Naturalist and American Museum Development," *Journal of the Society for the Bibliography of Natural History*, 9 (1980): 647-661.

*Reprinted in abbreviated form in *Rochester Library Quarterly*, 38 (1985): 21-37.

"Institutional History," in *Historical Writing on American Science, Osiris*, 2nd series, 1 (1985): 17-36.

-Reprinted with a new introduction in *Historia y Filosofía de la Ciencia en América* (1987), ed. Juan Jose Saldana, pp. 81-102.

"Single-sex Education and Leadership: The Early Years of Simmons College," in Sari Knopp Biklen and Marilyn Brannigan, eds., *Women and Educational Leadership: A Reader* (Boston: Lexington Press, 1979): 93-112.

"From Learned Society to Public Museum: The Boston Society of Natural History," in Alexandra Oleson and John Voss, eds., *The Organization of Knowledge in Modern America, 1860-1920* (Baltimore: Johns Hopkins Press, 1979): 386-406.

*"In From the Periphery: American Women in Science, 1830-1880," *Signs*, 4 (Fall, 1978): 81-96.

"Physiological Lectures for Women: Sarah Coates in Ohio, 1850," in *Journal for the History of Medicine and Allied Sciences*, 33 (January, 1978): 78-82.

*"Maria Mitchell and the Advancement of Women in Science," *New England Quarterly*, 51 (Spring, 1978): 39-63.

-Reprinted in *Uneasy Careers and Intimate Lives: Women in Science 1789-1979*, ed. Pnina Abir-Am and Dorinda Outram (New Brunswick: Rutgers, 1987).

"The Nineteenth-century Amateur Tradition: The Case of the Boston Society of Natural History," in Gerald Holton and William Blanpied, eds., *Science and Its Public: The Changing Relationship* (Holland: D. Reidel Publishing Co., 1976): 173-190.

"Savants and Professionals: The American Association for the Advancement of Science, 1848-1860," in Alexandra Oleson and Sanborn Brown, eds., *The Pursuit of Knowledge in the Early American Republic: American Scientific and Learned Societies from Colonial Times to the Civil War* (Baltimore: Johns Hopkins Press, 1976): 299-325.

*"The Geologists' Model for National Science, 1840-1847," *American Philosophical Society, Proceedings*, 128 (April, 1974): 179-195.

*"A Step Toward Scientific Self-Identity in the United States: The Failure of the National Institute," *Isis*, 62 (Fall, 1971): 339-362.

-Reprinted in Nathan Reingold, ed., *American Science Since 1820* (New York: Science History Publications, 1976).

Work in Progress

"Creative Niche Scientists: Women Educators in North American Museums, 1880-1930" *Centaurus*, 2013, in press).

Other Publications

"The American Association for the Advancement of Science," "The National Institute," and "Scientific Societies," in *Dictionary of American History* (New York: Charles Scribner's Sons, 1976).

"Reassessing Science in Ante-Bellum America," review essay in *American Quarterly*, 29 (Fall, 1977): 444-453.

Careers for Students of History, edited for the American Historical Association (1977).

"Anna Botsford Comstock" and "Almira Hart Lincoln Phelps" in *American Women Writers* (New York: Unger, 1979), I:389-391 and III:379-381.

"Winifred Goldring," in *Notable American Women*, 4 (Cambridge: Harvard University Press, 1980): 282-283.

"History and Women: The Profession Nourishes New Roots," *The Cresset*, 45 (December, 1981): 19-23.

"The Heritage of Victorian Scientists," in *Interdisciplinary Science Reviews*, 8 (September, 1983): 188-190.

"Historical Resources in Natural History Museums," *Forum for the History of Science in America: News and Views*, 5 (Nov.-Dec., 1985): 5-6.

"The Phenomenon of Professions" and "Gender and the Professions" in Peter Marsh, ed., *Contesting the Boundaries of Liberal and Professional Education* (Syracuse: Syracuse University Press, 1988): 44-53 and 140-148.

"Nature Study Movement" and "Maria Mitchell," *Women's History in the United States: A Handbook* (Garland Publishing Co., 1990).

Biographical sketches of Emma Perry Carr, Lucretia Crocker, Mary Anna Palmer Draper, George Brown Goode, Maria Sanford, Henry A. Ward, and Newton Horace Winchell for *American National Biography* (Oxford: Oxford University Press, 1999).

"Historical Perspectives on Women in Science and Engineering," *Proceedings of the 1992 CIC Conference on Women in Science and Engineering* (Indiana University, 1992).

With Noel N. Schultz and Wendy C. C. Grebner, "A Proactive Approach to the Retention of Women Graduate Students," *ASEE Annual Conference Proceedings* (June 1994).

With Lynn Schmidke Lyng, "Recruiting and Retaining Women Graduate Students: Supporting Efforts on the Department Level," *Women Engineering Program Advocates Network, Conference Proceedings* (June, 1995).

"Reflections on Zoo History and Historiography" *New Worlds, New Animals: From Menagerie to Zoological Park in the 19th Century* (Baltimore: Johns Hopkins University Press, 1996), pp. 3-7.

"Ask the Expert" on-line consultant on "Women in Science and Technology" for *Encyclopedia Britannica* (March-May, 1998); short answer, documented essays to screened questions as part of experimental project.

"Enhancing a History Course with Computer Assignments," with Eric Boyle and Mark Largent, *Organization of American Historians Newsletter* (April, 1998), pp. 1, 7-8.

"Preface," with Helen Longino, in Mary Lay, Laura Gurak, Clare Gravon, and Cynthia Myntti, *Body Talk: Rhetoric, Technology, and Reproduction* (Madison: University of Wisconsin, 2000), pp. ix-xi.

American Association for the Advancement of Science, @ Museums of Science and Technology, @ Smithsonian Institution @ in *Oxford Companion to United States History*, ed. Paul S. Boyer (Oxford University Press, 2001).

Missouri Botanical Garden @ and Cultural Institutions: Botanical Gardens, Natural History Museums, and Zoos @ in *Encyclopedia of the Midwest* (Gale Publishing, 2007)

"Museums," *History of Science in the United States: An Encyclopedia* (New York: Garland Publishing, 2001).

"Eloge: Nathan Reingold," *Isis* (2007).

Major Conference Coordinating:

*Coordinator with Jole Shackelford and Jennifer Gunn, "History and Philosophy of Biological Rhythms Research" (Chronobiology) – NSF funded project, May 2012, University of Minnesota

*Coordinator with Jan Logemann and Donna Gabaccia, "Europe – Migration – Identity" a joint German Historical Institute and UMN workshop August 24-27, 2011

*Steering and Program Committee, "Writing The Past, Claiming The Future: Women And Gender In Science, Medicine, And Technology," October 12-15, 2000, Saint Louis University, St. Louis, Missouri

*Conference Co-Chair, with Helen Longino and Nina Lerman, "The Women, Gender and Science Question: What do research on the history of women and science, and research on science and gender have to do with each other?" May 1995, University of Minnesota (see *Osiris* volume)

Reviews: Book Reviews in *Isis*, *American Historical Review*, *Journal of American History*, *British Journal for the History of Science*, *Annals of Science*, *Science, Technology and Culture*, *New England Quarterly*, *Historical Record of Australian Science*, *History and Philosophy of the Life Sciences*, *Science Reviews*, *Journal of Southern History*, *Journal of the New Republic*, *Journal for the History and Philosophy of the Biological Sciences*, *William and Mary Quarterly*, *Wilson Quarterly*, *Journal of Interdisciplinary History*, *Biography*, *Women=s Review of Books* (over fifty reviews, not including *Choice*; list on web site)

Editorial: *Signs*, Advisory Editor, 1980-1988, and Editorial Board, 1989-1993; *Science*, 1980-1981; *News and Views: History of American Science Newsletter*, 1980-1986; *Science, Technology, & Human Values*, 1983-1990; *Syracuse Scholar*, 1985-1988 (chair, 1988); Associate Editor (science), *American National Biography*, 2nd ed, 1988-1999; Gryphon Press Reprints on the History of Science, 1994-1998; co-editor with David Knight, Cambridge University Press Biography Series on History of Science, 1997-2003; Advisory Editor, *Minerva*, 2000-2007; ABC CLIO Advisory Editor for History of Science Series, 2001-2006; *Isis* Advisory Committee, 2002-2007; *Museum History Journal* Editorial Board, 2006--; Pickering and Chadwick Nineteenth-Century History of Science Series, Advisory Editor, 2007--

Reviewing: Reviewer for proposals to the National Science Foundation, National Endowment for the Humanities, the Council for the International Exchange of Scholars (Fulbright), Social Sciences and Research Council of Canada, CSIRO (Australia); books at Johns Hopkins Press, University of Chicago Press, Smithsonian Institution Press, Rutgers University Press, University of North Carolina Press, Garland Publishing Company, University of Alabama Press, Syracuse University Press (Board member, 1985-1989); and articles for *Isis*, *Journal of American History*, *American Quarterly*, *American Historical Review*, *Journal of Public History*, *Signs*, *Science*, *Osiris*, *Social Studies of Science*, *History of Higher Education Annual*, *Education Quarterly*, *Technology and Culture*, *Journal for History of Biology*, *British Journal for the History of Science*, *Museum History Journal*, *Centaurus*, *History of Education Journal*

Consulting: Spellman College (1974), Simmons College (1978), Princeton University Program in the History of Science (1984, 1985), Academy of Natural Sciences of Philadelphia (1982-1985), Washington State University (1989), National Museum of American History (1992; 1993), Iowa State University, Department of History (1993); on-line consultant for *Encyclopaedia Britannica*, Women's History Month, 1998; University of Pennsylvania, History and Sociology of Science Department (2003); York University, Humanities Ph.D. Program (2003)

Selected Advisory: National Archives and Records Service Advisory Committee (1979-1981); National Endowment for the Humanities, Division of State Programs (1979, 1980, 1985) and Division for Scholarly Editions (1992) and Special Panel (2006); Fulbright (CIES) Advisory Committee for History of Science (1981-1984), Regional Panel (2009); Program on Science and Technology (1983); National Aeronautics and Space Administration Program, Historical Advisory Committee (1984-1987); National Science Foundation, Advisory Panel on Studies in Science, Technology, and Society (1988-1991); Search Committee, Director of the Museum of American History, Smithsonian Institution (1993); Oak Ridge/NSF Fellowship Program (1995, 1996); Smithsonian Institution Exhibit Review Panel (1996); Sesquicentennial Celebration for AAAS (1998); Advisory Board for Women in Science Archives (1996--), Iowa State University (1998B); University of Wisconsin WISELI Project - NSF ADVANCE Grant, Advisory Board, 2001-2006; Fulbright Review Panel, 2009;

Papers: Papers on research and relating to scholarly and professional interests at national meetings of the History of Science Society, the American Historical Association, the Organization of American Historians, the Association of American Archivists, the Berkshire Conference on Women in History, the American Association for the Advancement of Science; at the International Congresses for the History of Science in Edinburgh, Bucharest, and Berkeley; as well as at colloquia at colleges and museums including the University of Pennsylvania, Dickinson College, Harvard University, Valparaiso University, Brown University, University of Melbourne, Worcester Polytechnic Institute, Washington State University, Rensselaer Polytechnic Institute, Iowa State University, University of Wisconsin-Madison, York University, Oregon State University, University of Texas at Austin, Cornell University, the National Museum of American History of the Smithsonian Institution, the Australian National Museum, and the National Museum of Melbourne, the Queensland Museum, the Moscow Academy of Sciences, the Leningrad Academy of Science, the University of Otago in New Zealand, and the University of Munich, University of Auckland, Christchurch University (average of 1-3 each year; list available)

Supplementary, Selective List of Academic Presentations

"Early Efforts for Viable Scientific Societies," Smithsonian Institution, February, 1971.

"The Formative Years of the American Association for the Advancement of Science," Worcester

Polytechnic Institute, November, 1971, and American Association for the Advancement of Science, 1973.

"The Association of American Geologists and Naturalists," Symposium on the History of Geology, University of Connecticut, September, 1972.

"Resources for the Social History of American Science," Association of American Archivists, 1974.

"Working on the Periphery: Women Scientists in the Nineteenth Century," Berkshire Conference on Women in History, Bryn Mawr College, 1976.

"Maria Mitchell and the Advancement of Women in Science," Organization of American Historians, 1977.

"Single Sex Education for Women: The Early Years of Simmons College," Conference on Women and Educational Leadership, Syracuse University, 1977.

"Henry A. Ward: Scientific Entrepreneur," International Congress for the History of Science, Edinburgh, 1977.

Chair and Commentator, "Pioneering Women in Science," Berkshire Conference of Women in History, August, 1978.

Commentator, "Promoting Feminism, American and British Efforts, 1873-1914," American Historical Association, 1978.

"Natural History Museums: Emerging Theory," University of Pennsylvania, March, 1979.

"Henry A. Ward and American Museum Development, 1860-1890," International Conference on the History of Museums and Collections in Natural History, London, April, 1979.

"Pictures of the past: Museum Display and Scientific Theory," Society of American Archivists, Toronto, 1979.

"The Early Years of Science," American Association for the Advancement of Science, San Francisco, February, 1980.

"Determined for Excellence," Honors Convocation Address, Simmons College, October 29, 1980.

Commentator, "Monuments, Museums and the Problem of the Past in the Nineteenth Century," Organization of American Historians, Detroit, April, 1981.

"Women and History: The Profession Finds New Roots," History Honors Convocation, April, 1981, Valparaiso University.

"Naturalists and Public Education: Nineteenth Century Museums of Natural History (United States)," Conference on Scientific Colonialism, Melbourne, Australia, May, 1981.

Chair and Commentator, "Women and Nature," Berkshire Conference on Women's History, Vassar, 1981.

"Nature Study: A Theory of Education in Science," (scientific section) and "Women in Science in the United States in the Nineteenth Century," (symposium), International Congress for the History of

Science, Bucharest, Rumania, 1981.

Commentator, "Scientific Community," Symposium on Science in the Old South, University of Mississippi, March, 1982.

"Public Museums and Private Aspirations," History of Science Colloquium, Harvard University, November, 1982.

"American Museums of Natural History and Their Public in the Nineteenth Century," presented while Senior Fulbright Fellow at the South Australian Museum, The Queensland Museum, and the National Museum of Victoria, 1983.

"Natural History for the Public: Changing Definitions in America," Australian Association for the History, Philosophy and Social Studies of Science, Wollongong, 1983.

"Natural Heritage: Australian Museums of Natural History," National Museum of Victoria, June, 1983.

"Women as Science Teachers in the United States," presented in my absence and published in the proceedings of the International Conference on the Role of Women in the History of Science, Technology and Medicine in the 19th and 20th Centuries, Veszprem, Hungary, August, 1983.

"Institutional History: Revived and Revised Tradition in the History of American Science," and "Peale, Barnum and the Naturalists," opening lectures at a semester-long symposium on American Science at West Virginia University, January 25 and 26, 1984.

"Strategies for Survival: Lessons from Women in Science and Education a Century Ago," Brown University, April 10, 1984.

Organizer and Commentator on session "Natural History on Display," History of Science Society, Chicago, December, 1984.

"George Brown Goode and the Naturalists' Tradition in History," American Historical Association, December, 1984.

"Science or Sentiment: Women as Nature Study Teachers," International Congress for the History of Science, University of California at Berkeley, August 2, 1985; revised version at Iowa State University, December, 1985.

"Museums in Higher Education in Nineteenth Century America," Dickinson College Symposium on Science in the Liberal Arts (sponsored by the Philadelphia Council on the Humanities), September 27, 1985.

"Museums and Public Culture," Invited Public Lecture sponsored by GTE Foundation, Iowa State University, December, 1985.

"Teaching Science in the Academies," Albany Tricentennial Symposium on the History of Science, Albany Academy, May, 1986.

"Reflections on Editing Historical Writing on American Science," special panel on the volume at the American Historical Association, December 29, 1986.

"Museums of Natural History in the United States: An Overview," National Museum of American

History, National Museum of American History of the Smithsonian Institution, 19 January 1987.

"George Brown Goode and the Historical Tradition," Smithsonian Institution Archives, May, 1987.

"Education and Science in Nineteenth Century Museums," Conference on Collections and Culture: Museums and the Development of American Life and Thought, Woodrow Wilson Center, October, 1987.

"Unfinished Experiment: The History of Women in Science," as Visiting Lecturer for the History of Science Society at Marlborough College, March, 1988, and at Texas Women's University, April, 1988.

"Collections and Curators Cross the Pacific" to the conference on Nationalism and Internationalism in Science: The United States, Australia, and the World, Melbourne, Australia, May 25, 1988.

"Making Connections: Archives for Urban Museums" at the Society of American Archivists, Atlanta, October 2, 1988.

"Parlors and Primers: Education for Science in the Nineteenth Century," Plenary Lecture for the History of Science Society, Cincinnati, Ohio, December 29, 1988.

"Still Experimental," Visiting Historian of Science at Washington State University at Pullman and Eastern Washington State University at Cheney, February 28 and 29, 1989.

"Institutional History" and other informal presentations at the Academy of Sciences, Moscow and Leningrad, USSR, March 17-27, 1990.

"German Ideas and Practice in American Natural History Museums, 1814-1880," Conference on German Influences on Education in the United States to 1917, Madison, Wisconsin, September 15, 1990.

"Power through Persuasion: The AAAS and the Federal Government in the Nineteenth Century," American Association for the Advancement of Science, Washington, D.C., February 16 and 17, 1991.

"Education to Popularization: Natural History Museums in the Nineteenth Century," International Society for the History, Philosophy, and Social Studies of Biology, Northwestern University, Illinois, July 13, 1991.

"Boundaries, Bypasses, and Bridges," 1991 Bush Summer Institute on College Teaching and Learning, St. Olaf College, Northfield, Minnesota, June 17 and 18, 1991.

Commentator, "Home Economics: More Than Glorified Housekeeping" at Conference on Rethinking Women and Home Economics in the Twentieth Century, Cornell University, October 4, 1991.

"Early History in the Smithsonian Institution: Perceptions of George Brown Goode," Smithsonian History Forum, June, 1993.

"'The Irrepressible Woman Question': Women's Responses to Darwin" at Conference on Responding to Darwin, University of Otago, Dunedin, New Zealand, May 14, 1994.

"Exhibitionism: Nature on Display in Nineteenth-Century Museums," Berkshire Conference on Women in History, North Carolina State University, 1995.

"Museums in Nineteenth Century America: The Philadelphia Academy of Natural Sciences," American Association for the Advancement of Science, Baltimore, February 1996.

Chair and Comment, "Zoos and Museums in the 19th and 20th Centuries" History of Science Society, Atlanta, November 1996.

"Nature Study in North America and Australasia, 1890-1945," Plenary Address at the Conference on Scientific Savants in Honor of the Centenary of Ferdinand von Mueller, Melbourne, Australia, September 1996.

"Exhibitionism: Gender on Display in Nineteenth-Century Natural History Museums," Amerika-Institut, University of Munich, July 29, 1997.

Chair and Comment, "Joseph Henry Commemorative" History of Science Society, November, 1997.

"Scientific Literacy in Mid-Nineteenth Century America" at American Association for the Advancement of Science, February 14, 1998.

Chair and Comment, "Urban Jungles: Zoological Parks in the United States," American Historical Association, January 10, 1999.

Commentator for session and conference, "Where the Biological and Social Converge," Mellon Foundation funded program at the University of Oklahoma, April 16-18, 1999.

"Women Scientists as Travelers," Conference on Gender and the Technologies and Narratives of Travel, University of Minnesota, May, 1999.

Chair and Comment, "Museums: Papers in Honors of Susan Sheets-Pyenson," International Society for the History, Philosophy, and Social Studies of Biology, Oaxaca, Mexico, July, 1999.

"Antoinette Brown Blackwell and the Rhetoric of Evolution," at Challenging Rhetorics: Cross-disciplinary Sites of Feminist Discourse, Second Biennial Feminism(s) and Rhetoric(s) Conference, October 8, 1999.

Chair and Comment, "Retrospective on Historical Writings on American Science" at the History of Science Society meeting, November 5, 1999.

"Women in Science," Plenary Panel presentation at Conference on Writing the Past, Claiming the Future: Women in Science, Medicine, and Technology, St. Louis University, October 13, 2000.

"Re-Imag(in)ing Women in Science: The Historical Interplay of Self-Image, Projected Image, and Gender Norms," Conference on Images of Science at Vrije University, Amsterdam, June, 2000; at York University, September 28, 2000; at University of Texas, October 4, 2000; University of Oregon, February 12, 2001

"Natural World: Women and Local Nature Study," University of Wisconsin at Madison, April 4, 2001.

Chair and Comment, "Victorian Science" at History of Science Society meeting, November 9, 2001.

Forum on American Science, Public Plenary Lecture "Balancing Acts: Personal Reflections on American

Science@ at History of Science Society meeting, November 9, 2001.

ANature by Design: Gender Representation in Museum Display,@ York University Conference on Figural Configurations of Gender in Science, May 17-19, 2002.

AReflections on Women in Science and Technology in the Twentieth Century,@ Plenary lecture for NSF sponsored AConference on Recruiting and Retaining Women in Science, Medicine, Engineering and Technology,@ Iowa State University, October 19, 2002.

ANature by Design: Masculinity and Animal Display in Nineteenth-Century Museums,@ History of Science Society, November 21, 2003.

Chair, AMetropolitan and Settler Science@ Joint British-North American History of Science Meeting, Halifax, August 6, 2004.

The Rajender Decree@ at the University of Wisconsin, Madison, February 9, 2005 sponsored by WISELI and History of Science Department.

Workshop Chair on “Teaching Women’s History in Science” History of Science Society, November, 2006.

Chair, “Women in Science: Historical Reflections” American Historical Association, January 5, 2007.

“Women and Leadership in Science,” Graduate Women in Science Conference, June 15, 2007.

“Unstable Networks: The Case of Shyamala Rajender,” Commission on Women of the International Union for the History and Philosophy of Science/Division of History of Science and Technology, Syros, Greece, July 6, 2007.

“Place in Museum Space,” Geographies of Science Conference, Edinburgh, July 21, 2007.

“Nature Study: Science in the School Curriculum,” History Department, University of Auckland, April 10, 2008

“Place in Museum Space: The Smithsonian Institution and the American West,” Royal Society of New Zealand (Canterbury Branch) April 29, 2008 and Auckland Museum, May 29, 2008

Commentator, Gender and Science, Max Planck Institute for the History of Science, Berlin, June 18-20, 2010.

“Innovative Niche Scientists: Women Educators in North American Museums, 1880-1930,” Max Planck Institute for the History of Science, Summer, 2011.

Chair and Comment, Special Session on Margaret Rossiter’s Volume 3: Women in American Science at # Society Meeting, Philadelphia, July 2012

[Numerous other presentations regarding women in science and technology while serving as Associate Dean and developing a Program for Women in the Institute of Technology, 1989-1995; intermittent lectures on related topics in classes and for workshops on campus and neighboring campuses; frequently

chair/commentator of general sessions at History of Science Society not noted above]

Supplementary List of Reviews

Nina Fletcher, *Early Years of the McLean Hospital, Recorded in the Journal of George William Folsom, Apothecary at the Asylum in Charleston* (Boston: Countway Library, 1972), in *New England Quarterly* 48 (March 1975): 164-166.

Bruce Sinclair, *Philadelphia's Philosopher Mechanics, A History of the Franklin Institute, 1824-1865* (Baltimore: Johns Hopkins Press, 1974), in *Science* 188 (23 May 1975): 835-836.

Howard H. Gitelman, *Workingmen in Waltham, Mobility in American Industrial Development, 1850-1890* (Baltimore: Johns Hopkins Press, 1974), in *The Historian* 38 (February, 1976): 363-364.

Robert Kargon, *The Maturing of American Science: A Portrait of Science in Public Life drawn from the Presidential Addressed of the AAAS, 1920-1970* (Washington: AAAS, 1974), in *Isis* 67 (June, 1976): 323-325.

William Stanton, *The Great United States Exploring Expedition* (Berkeley: University of California Press, 1975), in *New England Quarterly* 50 (March 1977): 176-178.

Nathan Reingold, ed., *The Papers of Joseph Henry*, vol. 2 (Washington: Smithsonian institution Press, 1975), in *Annals of Science* 34 (January, 1977): 71-72.

Stanley M. Guralnick, *Science in the Ante-Bellum College* (Vol. 109 in *Memoirs of the American Philosophical Society*, 1975), in *Isis* 67 (December 1976): 650-651.

Catalogue of the Scientific Collection of the University of Oklahoma Libraries, in *Annals of Science* 34 (November, 1977): 619-620.

Robert C. Post, *Physics, Patents, and Politics: A Biography of Charles Grafton Page* (New York: Science History Publications, 1976), in *American Historical Review* 82 (December, 1977): 1336.

Collective review of anthologies by Brooke Hindle, Nathan Reingold and Otto Mahr, in *British Journal for the History of Science* 11 (1978): 71-72.

Judith Barrett Litoff, *American Midwives; 1860 to the Present* (Westport: Greenwood press, 1978), in *The Historian*, 41 (1979): 572-573.

Rexmond C. Cochrane, *The National Academy of Sciences: The First Hundred Years, 1863-1963* (Washington: National Academy of Sciences, 1978), in *Isis*, 71 (1980): 155-157.

Barbara J. Harris, *Beyond Her Sphere: Women and the Professions in American History* (Westport, Connecticut: Greenwood Press, 1978), in *The Historian* 42 (1980): 525-526.

Deborah Jean Warner, *Graceanna Lewis: Scientist and Humanitarian* (Washington: Smithsonian Institution Press, 1979), in *Isis*, 71 (1980): 664-665.

- Nathan Reingold, ed., *The Science in the American Context: New Perspectives* (Washington: Smithsonian Institution Press, 1979), in *Annals of Science*, 38 (1981): 599-601.
- Charles Coleman Sellers, *Mr. Peale's Museum: Charles Wilson Peale and the First Popular Museum of Natural Science and Art* (New York: W. W. Norton, 1980), in *Isis* 72 (1981): 327-328.
- J. David Hoeveler, Jr., *James McCosh and the Scottish Intellectual Tradition: From Glasgow to Princeton* (Princeton: Princeton University Press, 1981), in *Journal of American History* 69 (June, 1982): 154-156.
- Arthur P. Molella, et al., *A Scientist in American Life: Essays and Lectures on Joseph Henry* (Washington: Smithsonian Institution Press, 1981), in *Journal of the Early Republic* 2 (1981).
- Lester D. Stephens, *Joseph LeConte: Gentle Prophet of Evolution* (Baton Rouge: Louisiana State University Press, 1982), in *Journal of Southern History* 49 (1983): 302-303.
- Rosalind Rosenberg, *Beyond Separate Spheres, Intellectual Roots of Modern Feminism* (New Haven: Yale University Press, 1982), in *American Journal of Education* (May, 1983): 385-387.
- Linda K. Kerber and Jane DeHart Mathews eds., *Women's America: Refocusing the Past* (New York: Oxford University Press, 1982), in *Louisiana History*, 23 (1982): 425-427.
- Lois Barber Arnold, *Four Lives in Science. Women's Education in the Nineteenth Century* (New York: Schocken, 1983) in *Science*, 224 (1984): 728-729.
- Smithsonian Institution, *Guide to Archives and Manuscripts* (Washington, D.C.: Smithsonian Institution Press, 1982) in *Isis*, 76 (1985): 86-87.
- Thomas L. Haskell, ed., *The Authority of Experts: Studies in History and Theory* (Bloomington: Indiana University Press, 1984) *Journal of American History* 71 (1984): 594-595.
- Kenneth Hafertepe, *America's Castle: The Evolution of the Smithsonian Building and Its Institution, 1840-1878* (Washington: Smithsonian Institution Press, 1984), in *Isis*, 76 (1985): 405-406.
- John C. Greene, *American Science in the Age of Jefferson* (Ames: Iowa State University Press, 1984), in *William and Mary Quarterly*, 42 (1985): 420-422.
- Robert Rydell, *All the World's a Fair: Visions of Empire at American International Expositions, 1876-1910* (Chicago: University of Chicago Press) in *Isis* 77 (1986): 386-387.
- Nathan Reingold, et al., *The Papers of Joseph Henry*, vol. 5 (Washington: Smithsonian Institution Press, 1986), in *Annals of Science* 44 (1987): 195-196.
- George W. Stocking, Jr., *Objects and Others: Essays on Museums and Material Culture* (Madison: University of Wisconsin Press, 1985), in *Technology and Culture* (July, 1987): 690-691.
- Robert Bruce, *The Launching of American Science 1846-1876* (New York: Knopf, 1987), in *The Wilson Quarterly* 11 (1987): 140-142.
- Patricia Mather, *A Time for a Museum: The History of the Queensland Museum 1862- 1986* (Brisbane: Queensland Museum, 1986) in *Historical Records of Australian Science* 6 (1987): 551-552.

Cecelia Tichi, *Shifting Gears: Technology, Literature, Culture in Modernist America* (Chapel Hill: University of North Carolina Press, 1987) in *IEEE Technology and Society Magazine*, 6 (September, 1987): 28-29.

Tamara Miner Haygood, *Henry William Ravenel, 1814-1887: South Carolina Scientist in the Civil War Era* (Tuscaloosa: University of Alabama Press, 1987) in *American Historical Review* 93 (December 1988): 1399.

Glazer, Pnina Migdal and Miriam Slater, *Unequal Colleagues: The Entrance of Women in the Professions, 1890-1940* (New Brunswick: Rutgers University Press, 1987) in *American Historical Review* 19 (Summer, 1988): 166-167.

Roger L. Geiger, *To Advance Knowledge. The Growth of American Research Universities, 1900-1940* (New York and Oxford: Oxford University Press, 1986) in *History and Philosophy of the Life Sciences* 11 (1989): 190-191.

R. W. Home, ed., *Australian Science in the Making* (Cambridge and Melbourne: Cambridge University Press, 1988) in *Science*, 242 (8 October 1988): 118-119.

Pnina Migdal Glazer and Miriam Slater, *Unequal Colleagues: The Entrance of Women into the Professions, 1890-1940* (New Brunswick: Rutgers University Press, 1987) in *Journal of Interdisciplinary History* 19 (1988): 166-167.

Charles Wilson Peale, *The Selected Papers of Charles Wilson Peale and His Family. Vol. I: Charles Wilson Peale: Artist in Revolutionary America, 1735-1791. Vol. II in two parts: Charles Wilson Peale: The Artist as Museum Keeper, 1791-1810* (New Haven/London: Yale University Press for the National Portrait Gallery, 1983 and 1988), *Isis* 80 (1989): 317-318.

Susan Sheets-Pyenson, *Cathedrals of Science: The Development of Colonial Natural History Museums during the Late Nineteenth Century* (Kingston, Ont.: McGill-Queens University Press, 1988) *Isis* 81 (1990): 368-369.

Susan Sheets-Pyenson, *Cathedrals of Science: The Development of Colonial Natural History Museums during the Late Nineteenth Century* (Kingston, Ont.: McGill-Queens University Press, 1988) and Waiser, W.A., *The Field Naturalist: John Macoun, the Geological Survey, and Natural Science* (Buffalo, NY: University of Toronto Press, 1989) in *American Historical Review* 96 (October 1991): 1154-1155.

H. J. Mozans, *Women in Science*, preface by Cynthia Russett (Notre Dame: Notre Dame University Press, 1991 [1913]) in *Science* 255 (January 17, 1992): 347-348.

James Rodger Fleming, *Meteorology in America, 1800-1870* (Baltimore: Johns Hopkins University Press, 1990) in *Journal of the Early Republic* 12 (Summer, 1992): 266-268.

William J. Lines, *Taming the Great South Land: A History of the Conquest of Nature in Australia* (Berkeley: University of California Press, 1991) in *American Historical Review* 98 (June, 1993): 931-932.

Albert Moyer, *A Scientist's Voice in American Culture: Simon Newcomb and the Rhetoric of Scientific Method* (Berkeley: University of California Press, 1992) in *American Historical Review*, 99 (July 1994): 983-984.

Farley Kelly, ed., *On the Edge of Discovery: Australian Women in Science* (Melbourne: Text Publishing Company Press, 1993) and Julie Marcus, ed., *First in Their Field: Women and Australian Anthropology* (Melbourne: Melbourne University Press, 1993) in *Historical Record of Australian Science*, 10 (1994): 931-932.

Patsy Gerstner, *Henry Darwin Rogers, 1808-1866: American Geologist* (Tuscaloosa: University of Alabama Press, 1994) in *Journal of American History* 82 (1995): 1205-1206.

Hugh R. Slotten, *Patronage, Practice, the Culture of American Science: Alexander Dallas Bache and the U. S. Coast Survey* (New York: Cambridge University Press, 1994) in *Technology and Culture* (Jan. 1996): 183-185.

Marcia Myers Bonta, ed., *American Women Afild: Writing by Pioneering Women Naturalists* (College Station: Texas A&M University, 1995) in *Isis* (1996): 376-77.

Albert E. Moyer, *Joseph Henry: The Rise of an American Scientist* (Washington: Smithsonian Institution Press, 1997) in *American Historical Review* (April, 1999): 562-563.

Ann B. Shteir, *Cultivating Women, Cultivating: Flora's Daughters and Botany in England, 1760-1860* (Baltimore: Johns Hopkins University Press, 1996) in *Journal of the History of Biology* 31 (1998): 152-154.

Barbara T. Gates and Ann B. Shteir, eds., *Natural Eloquence: Women Reinscribe Science* (Madison: University of Wisconsin Press, 1997) in *Biography: An Interdisciplinary Quarterly* 21 (1998): 368-372.

John Lankford with Ricky L. Slavings, *American Astronomy: Community, Careers, and Power, 1859-1940* (Chicago: University of Chicago Press, 1996) in *Journal of American History* (September, 1998): 705-706.

Mary R. S. Creese, *Ladies in the Laboratory: American and British Women in Science, 1800-1900: A Survey of Their Contributions to Research* (London: Scarecrow Press, Inc., 1998) in *Isis* 91 (2000): 596-598.

Kevin Dann, *Across the Great Border Fault: The Naturalist Myth in America* in *Isis* 92 (June 2001): 433-434.

Yanni, *Nature=s Museums: Victorian Science and the Architecture of Display*, in *Journal of the History of Biology* 34 (2001): 209-211.

Barbara R. Stein, *On Her Own Terms: Annie Montague Alexander and the Rise of Science in the American West* (Berkeley: University of California Press, 2001) in *Women=s Review of Books*, February, 2002).

Kim Tolley, *The Science Education of American Girls: A Historical Perspective* (New York: Routledge, 2002) in *Isis* 95 (2004): 127-128.

Philip J. Pauly, *Biologists and the Promise of American Life: From Meriwether Lewis to Alfred Kinsey* (Princeton: Princeton University Press, 2000) in *Journal of American History* (March, 2002): 1600-1601.

David Cahan, ed., *From Natural Philosophy to the Sciences: Writing the History of Nineteenth-Century Science* (Chicago: University of Chicago Press, 2003) in *Journal of Interdisciplinary History* 36 (Summer, 2005): 76-77.

Miriam R. Levin, *Defining Women=s Scientific Enterprise: Mount Holyoke Faculty and the Rise of American Science* (Hanover: University Press of New England, 2004) in *Journal of American History* (March 2006): 1450.

Renée Bergland, *Maria Mitchell and the Sexing of Science: An Astronomer among the American Romantics* (Boston: Beacon Press, 2008) in *New England Quarterly* 81 (2008), 738-40.

A. J. Angulo, *William Barton Rogers and the Idea of MIT* (Baltimore: Johns Hopkins University Press, 2009) in *Isis* 66 (2009), 916-17.

Steven Shapin, *The Scientific Life: A Moral History of a Late Modern Vocation* (Chicago: Chicago University Press, 2008) in *Journal of American History* 96 (2009).

Samuel M. M. Alberti, *Nature and Culture: Objects, Disciplines, and the Manchester Museum* (Manchester: University of Manchester Press, 2009), *Museum History* 4 (2010).

Neelam Kumar. *Women and Science in India: A Reader* (New Delhi, India: Oxford University Press, 2009), in *Isis* (2011).

Susan Schulten. *Mapping the Nation: History and Cartography in Nineteenth-Century America*. (Chicago: University of Chicago Press, 2012), in *Isis* (2013).

**Selected Professional Activities, University of Minnesota
1989- (on leave in 1993-94; 2000-01, 2007-08)**

History of Science and Technology Program

(Members of this program make most decisions as a committee of the whole.)

Search Committees (postdoctoral, faculty): 1990, 1994, 1995, 1996, 1997, 1998, 1999, 2004, 2006, 2010, 2011

Planning Committee, NSF Research Training Grant for Science and Society Program, 1990; member of the SST Program, 1991-1996; Executive Committee, 1995-1996, DGS for Studies of Science and Technology, 2004

Selected Graduate and Undergraduate Courses:

Science in American Culture (undergraduate; diversity requirement; taught annually)

Science and Technology in the Past Century (Honors first year course; writing intensive and with ethics theme, taught annually)

Women in Science: Historical Perspectives (seminar; upper division course)

Colloquium on Women in Science and Technology (1 credit; for women in engineering and science)

American Science in American Culture (seminar with changing topics offered biannually)

Science beyond the Metropolis (seminar with R.W. Home, Hill Visiting Professor, 1994)

Gender and Technology (seminar with Nina Lerman, NSF Post-doctoral fellow, 1996)

Science in the Americas (seminar with Stuart McCook, NSF Post-doctoral fellow, 1997)

Natural Sciences in the United States and Britain (seminar with Richard Bellow, visiting faculty, 2002)

Research Methods Course for Graduate Students (2009, 2011, 2012)

Biological Rhythms in Historical and Philosophical Perspective (with Jole Shackelford and Tulley Long, Fall, 1011)

Director of Undergraduate Studies, 1995-1999

Director of Graduate Studies, including coordinating merger with History of Medicine, 1999-2007

Director, HST, 2008-2014

Institute of Technology

Associate Dean for Faculty Development and Special Programs, 1989-1991

Program for Women in Science and Engineering; coordinator and oversight, 1989-1995

Faculty Recruiting and Retention

Graduate Recruiting and Retention

Undergraduate liaison

Associate Dean for Academic Affairs, 1991-1995

Search Committees (7 in 1989-1990; 3 in 1990-1991; 2 in 1991-1992 in IT)

Search Committee (chair) for Associate to the Dean, 1990-1991

Search Committee (chair) for Assistant to the Dean, 1991, 1995

Faculty Advisor, Society of Women Engineers (SWE), 1989-1995

Acting co-head of Computer Science Department (particular oversight of graduate program including TA assignments, financial aid awards, examinations; new recruitment initiative, computer science associates), 1990-1991

Liaison Coordinator for the Bush Junior Faculty Development Project, 1991-1993

Selection Committee, Chair, IT Professorships, 1992, 1993

Undergraduate Faculty Advising Program, 1995-1997

Promotion and Tenure Committee, 1995-1998 (chair, 1996-1997)

Advance NSF Grant Planning Committee, 2005 (not funded)

All University Activity (selected)

Center for Advanced Feminist Studies, 1989-- (Director, 1997-1999); in conjunction with this directorship, also participated in the UMN Women's Programs Group, the Twin Cities Women's Consortium, and the Coordinating Council on Women's Programs in the Twin Cities Area; Advisory Committee, 2000-2002

Commission on Women: Member, 1989-1999; Unit Planning Group, 1989-1990; Search Committee for Special Assistant and Chair, 1991; WISE Initiative, 1994-1999; Chair, Executive Committee, 1996-1997 (1/5 time position); Steering Committee, 1997-1998

President's Task Force on Liberal Education, 1990-1991

CIC (Big 10 consortium), Planning Committee for WISE Conference, 1991-1992; WISE Coordinating Group, 1898-1994

Humphrey Institute Citizenship Center Working Group, 1991-1993

Humphrey Institute Research Planning Group, 1993-1995

Search Committee (chair) for Associate Provost and Associate Vice President for Academic Affairs (Minority Affairs), 1991-1992

Hill Visiting Professorship Selection Committee, 1992, 1993, 1994

Humphrey Institute Research Committee Advisory Committee, 1993, 1995

Center for Citizenship and Leadership, Humphrey Institute, 1992-1993

Partner Relocation Policy Committee, 1993

President's Committee on the History of the University, 1994-1997

University Senate, 1995-1999; Committee on Committees, 1997-2000 (Chair, 1998-1999); 2003-2006

Bush Foundation Development Planning and Evaluation Committees, 1996-1997

President's Committee on Long Term Financing of the University, 1995-1996

Special Committee on International Institutes (in conjunction with UMN fund drive), 1997-1999

President's Sesquicentennial Committee, 1998-2001; Gateway Subcommittee

Teleconference on Women in the Twenty-first Century, 1998-2000; Program Committee

Campus Club, Board of Directors, 1999-2005; Vice President, 2000-2001, President, 2001-2005

Graduate School, New Program Review Committee, Physical Sciences, Chair, 2002

Selection Committee, Distinguished Women Scholars Award, 2002, 2004

Women=s Leadership Award Committee, Chair, 2003 and 2004

Grievance Committee, 2003-2008

Chair (member as DGS), Graduate School P&R Council for the Mathematics, Engineering, and Physical Sciences, 2003-2005 (various subcommittees)

Department of Anthropology, Chair, 2004-2005, 2005-2006

Institute for Advanced Studies (Minnesota), Advisory Board, 2006-2010 (Research Grant Committee, 2009; Fellowship Review Committee, 2010) Review

Fulbright Interviewing Committee, Graduate School, 2006

Committee on Liberal Education, 2006-2010

University Senate (also above), 2010-2013

McKnight Land Grant Professor Committee, 2011-2013 (chair, 2012)

Graduate Student Financing Task Force, 2010-2011

University Project on Interdisciplinary Programs, 2010-12

Faculty Consultative Committee, 2012- (Chair, 2012-13)

Other regional educational activities (selected)

--Participation in History Department regular historiography seminar, 1990-2003, and other activities

--State of Minnesota Task Force on Technology Competence, 1991, 1992 and 1993

--Talks to various off campus educational projects and programs, including Honeywell Outreach, MinnMATIC Junior College Teachers, Honeywell WISE program, Minnesota High Technology Council,

Minnesota Chapter of the American Association of University Women, Keynote speaker for 3-M outreach program, Honeywell WITS program, Society of Women Engineers (Twin Cities Chapter); Saint Catherine's Women in Science Project; Sigma Delta Epsilon (Women in Science) national keynote, 1998
 BSloan Foundation history of technology; helped write grant and coordinate six public films and public lectures in the Ridgedale Public Libraries, 2000-2001
 BPresentation on AWomen in Science@ for Bakken Museum of Electricity and Life, March, 2002
 --Advised History Day Project on Women and Science, 2007
 --Café Scientifique “What’s in a Name” presentation on Carl Linnaeus (commemoration), 2007
 --“Women and Scientific Leadership” plenary talk for Graduate Women in Science National Meeting, June 2007
 --Opening text for “Women in Science” exhibit, Minnesota Historical Society (2009-10); a photography exhibit based on women in the Institute of Technology
 --Presentation for Oshler Lifelong Learning Center on “Teaching Children Science” (2011)

Graduate Students (completed; only Ph.D. students listed from Syracuse University although I actively advised M.A. graduate students as well; the Program in History of Science and Technology has since 2008 combined with the History of Medicine to give degrees in HSTM). Degrees from UMN unless otherwise noted.

Karen Ford, Syracuse University, Ph. D. 1984 (owner of Half Moon Books, Madison, NY)
 David C. Sloane, Syracuse University, Ph. D. 1984 (University of Southern California)
 Janet Carlisle Bogdan, Syracuse University, Ph. D. 1987 (LeMoyne College, Syracuse)
 Natalie McIntire, M. A. 1993 (renewable energy consultant, northern Wisconsin)
 Rene Burmeister, M. A. 1995 (Ph.D. at Rutgers University)
 Michael Buckley, M. A. 1997 (Ph.D. at Pennsylvania State University)
 Stephen Humphrey, M.A. 1998 (business in Seattle)
 Effythia Vayena, co-chair with John Eyler, Minnesota, Ph.D. 1999 (University of Zurich)
 Mark Largent, University of Minnesota, Ph.D. 2000 (Michigan State University)
 Michael Reidy, co-chair with Roger Stuewer, Ph.D. 2000 (Montana State University)
 Mary Thomas, Ph.D. co-chair with Arthur Norberg, Ph.D. 2002 (Adjunct, UMN)
 Juan Ilerbaig, Ph.D., co-chair with John Beatty, Ph.D. 2002 (currently in library school)
 Karin Matchett, Ph.D., co-chair with John Beatty, P.D. 2002 (P&A, University of Minnesota)
 Donald Opitz, M. A. 1998; Ph.D. 2005 (DePaul University, Chicago)
 Georgina Hoptroff Montgomery, co-chair with John Beatty, Ph.D. 2005 (Michigan State University)
 Olivia Walling, co-chair with Robert Seidel, Ph.D. 2005 (UC Santa Barbara)
 Paul Brinkman, Ph.D. 2005 (Natural History Museum, North Carolina State University)
 Juliet Burba, Ph. D. 2005 (Curator, Bakken Museum of Electricity and Life)
 Susan Rensing, Ph.D.2006 (University of Wisconsin at Oshkosh)
 Mary Anne Andrei, Ph.D. 2006 (Lincoln, Nebraska)
 Margot Iverson Ph.D. 2007, co-chair with John Beatty (Institute of Medicine of the National Academies)
 Hyung Wook Park, Ph.D 2009. co-chair with John Eyler (Ulsan University, South Korea)
 Gina Rumore, Ph.D. 2009, co-chair with Mark Borrello, Ph.D. 2009 (post-doc in EEB, UMN)
 Suzanne Fischer, Ph.D. 2009 (Ford Museum, Dearborn)
 Matthew McGeachy, M.A. 2011 (University of Toronto Theatre Program)
 Rita Murphy, M.A., 2012 (Graduate School, Public Health)
 Christine Manganaro, Ph.D. 2012, co-chair with David Chang (Maryland Institute College of Art)
 Frazier Benya, Ph.D., 2012 (National Academy of Engineering)
 Joseph Martin, Ph.D., 2013 (Colby College)

Current Graduate Advisees at the University of Minnesota

(In many cases in our HSTM program we encourage co-advising because it encourages students to have interdisciplinarity and multiple approaches to the field).

Current dissertation or thesis advisees:

Maggie Hofius, Ph.D., co-chair with Theodore Stavros (History)

Barbara Reiterer, Ph.D., co-chair with Susan Jones

Shawn Foster, Ph.D.

Kate Jirik, Ph.D., co-chair with Jennifer Gunn

Bonnie Gidzak, Ph.D.

Baojie Song, M.A.

Currently Active Committees:

Greg Brick (Earth Sciences)

Jonathan Clemens (HST)

Aimee Slaughter (HST)

Jessica Nickrand (HMed)

Other Graduate Committees of Students with Completed Degrees

Ellen Arnold (History Ph.D., 2006)

Soma Banerjee (HST M.A., 2007)

Renee Burmeister (HST M.A. 1994)

Joseph Cain (HST Ph.D., 1995)

Eric Conway (HST Ph.D., 1998)

Nathan Crowe (HST Ph.D., 2011)

Huseyin Erozan (Ph.D. Political Science, 2005)

Fischer, Suzanne (Ph.D. HST, 2009)

Sarah Flood (Ph.D. Sociology, 2009)

Amy Foster (M.A. HST 2001)

Kevin Francis (Ph.D. HST 2002)

Ronald Frazzini (Ph.D. HST 2006)

Christine Fredrick (M.S. Science Communication, 1996)

Timothy Giles (Ph.D. Rhetoric 2004)

Thomas Haakenson (Ph.D. Cultural Studies 2006)

Roberta Hill-White (Ph.D. American Studies 1998)

Neal Holtan (Ph.D. History of Medicine, 2011).

John Jackson (PhD. HST 1997)

Bobby Jeanpierre (Ph.D. Education, 2000)

Ock-Joo Kim (Ph.D. History of Medicine, 1998)

Peter Kizilos-Clift (Ph.D. American Studies, 2009)

Sharon Leon (Ph.D. American Studies 2004)

Gail Lippincott (Ph.D. Rhetoric, 1999)

Vicki Lundmark (Ph.D. Sociology, 1996)

Rachel Mason Dentinger (Ph.D. HST, 2009)

Karin Matchett (Ph.D. HST, 2002)

Paulette Meyer (Ph.D. History, 1997)

Georgina Montgomery (Ph.D. HST 2005)

Paul Morf (M.A. HST, 2004)

Beth Muellner (Ph.D. German, 2003)

Tania Munz (M.A. HST 2000)

Thomsas Noerper (M.A. HST 2005)

Noritta Rech (M.A. HST 2010)
Jennifer Robinson (Ph.D. Education, 1995)
Kristina Rolin (Ph.D. Philosophy, 1996)
Karen Ross (Ph.D. HST, 2006)
Victoria Sadler (Ph.D. Rhetoric, 2003)
Peter Schmidt (Ph.D. HST 2010)
Jacob Steere-Williams (Ph.D. History of Medicine, 2011)
Richard Swanson (M.S. HST, 2006)
Ann Marie Tharp (Ph.D. Educational Psychology, 2002)
Elizabeth Van Meer (Ph.D. HST, 2006)
Timothy Walker (M.S. Mass Communication, 1994)
Christian Young (Ph.D. HST 1997)