

**SALLY GREGORY KOHLSTEDT**[www.hstm.umn.edu](http://www.hstm.umn.edu)[www.teachingchildrenscience.com](http://www.teachingchildrenscience.com)

- Present Position:*** Professor (Director (2008-13), Program in History of Science and Technology  
Graduate Fields: HSTM, History, American Studies, Museum Studies, and  
Gender, Women, and Sexuality Studies  
University of Minnesota, 1989--
- Office Address:*** 123 Pillsbury Hall, 310 Pillsbury Drive, S.E.  
University of Minnesota  
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sgk@tc.umn.edu  
612-624-9368 / FAX 612-625-3819
- Home Address:*** 4140 Edmund Boulevard  
Minneapolis, MN 55406  
612-729-3155
- Education:*** Ph.D. University of Illinois, Urbana, 1972  
M. A., Michigan State University, December, 1966  
B. A. Valparaiso University, 1965 (Honors)
- Other Positions:*** Acting Vice Provost and Dean of Graduate Education, UMN, 2013-2014  
University of Auckland, Senior Fulbright Fellow/Visiting Professor, Spring 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  
Ludwig Maximilian University, Munich, Visiting Professor, Amerika-Institut,  
Spring 1997  
College of Science and Engineering, Assoc. Dean for Academic Affairs, 1989-95  
(part of a trio of acting heads for Computer Science, 1992-1993)  
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, 1980-1981; Women's Studies Director, 1980-1982  
Simmons College, Asst. Prof., Department of History, 1971-1975
- Honors and Grants (excluding smaller in-house competitive university funds at Syracuse and UMN):***
- Hazen Award for Contributions to Education, History of Science Society, 2015  
Max Planck Institute for the History of Science, Spring, 2015  
Smithsonian Institution, Visiting Research Associate, Fall, 2014  
Council of Graduate Students, UMN, President's Award for Contributions to  
Graduate Education, Spring, 2014  
Margaret Rossiter Prize for the Best Book on Women's History, 2013  
Valparaiso University Outstanding Alumnae 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;  
 Elected Member, 1984  
 National Science Foundation, Research Funding, Summer 1969, 1978-  
 1979, 1993-94, 1995, 2010; Conference Funding, 1984, 1995, 2000,  
 2012; 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, 1998-2009;  
 Board of Directors, 1998-2002; Chair, Advisory Committee on the Dialogue of  
 Science, Ethics, and Religion Division, 2002-2005; Council, 2003-2006;  
 Member-at-Large, 2010-2014; Section L Nominating Committee, 2018-2020  
 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  
 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 1994-1996; Committee on Publications, 1982-1987 (Chair,  
 1987); Nominating Committee, 1985; Visiting Lecturer, 1988-1989; Education  
 Committee Chair, 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);  
 Nominating Committee (Chair, 2014); Respectful Behavior Committee (Chair,  
 2016-17); Ombudsperson, 2017-2019  
 International Union for the History and Philosophy of Science (U. S. delegation, 1977,  
 1981, Vice-chair, 1985); Nominating Committee for the Division on the History of  
 Science and Technology, 2015-2017  
 National Aeronautics and Space Administration (NASA) History Advisory Committee,  
 1983-1988  
 Organization of American Historians (Life Member; Committee on the Status of Women,  
 Chair, 1983-1985; Endowment Fund Raising Subcommittee, 1990-1991)  
 Sigma Xi, Steering Committee at UMN, 2016-2018  
 Society for the History of the Earth Sciences, 1982--

**Books: \*Monographs/ Edited Volumes/ Journal Special Issues**

*Europe-Migration-Identity*, edited with Jan Logemann and Donna Gabaccia, special issue of *National Identities* 15 (2013); also published London: Routledge, 2014.

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

\**Teaching Children Science: Hands-On Nature Study in North America, 1890-1930* (Chicago: University of Chicago Press, 2010). Winner of the 2013 History of Science Society's Margaret Rossiter Prize for the Best Book on Women's History  
Reviews: Mark V. Barrows, Jr., *Science* 329 (27 August 2010): 1016-1017; Kim Tolley, *Isis* 102 (2011): 371-372; Bruce Kimball, *American Historical Review* 116 (2011): 186-187; Seven Terzian, *History of Education Quarterly* 51 (2011): 120-122; Marie Claire Shanahan, *Science as Culture* 20 (2011): 535-40; Sigrid Schmalzer, *Historical Studies in the Natural Sciences* 42 (2012): 590-600; Meena M. Malgopal, *Prairie Naturalist* 3 (2011): 132-133; Rebecca Stiles Onion, *Journal of the History of Childhood and Youth* 4 (2011): 518-520; Katie Proctor, *British Journal for the History of Science* 42 (2011): 302-304; Caitlin Donahue Wylie, *Public Understanding of Science* 21 (2012): 524-525; John Rudolph, *Studies in the History and Philosophy of the Biological and Medical Sciences* 42 (2011): 270-273; Maria E. P. Prestes, *Science and Education* 23 (2014): 1549-54; Helen Anne Curry, *Social History of American Medicine* 27 (2014): 183-185.

"Gender and Networking in Twentieth-Century Physical Sciences," ed. 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*, edited with a long biographical introduction (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 book (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**

“Teaching and Exhibition on Nineteenth Century American Campuses,” *Science Museums in Transition. Cultures of Display in Nineteenth-Century Britain and America*, ed. Carin Berkowitz and Bernard Lightman (Pittsburgh: Pittsburgh University Press, 2017), pp. 238-260.

\*“Museum Perceptions and Productions: American Migrations of a Maori Hei-tiki,” *Endeavor* (2016): 3-17.

\*“Creative Niche Scientists: Women Educators in North American Museums, 1880-1930” *Centaurus*, 55 (May 2013): 153-174.

“Foreword: 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 Better Crop of Boys and Girls:’ The School Gardening Movement, 1890s to the 1920s,” *History of Education Quarterly* 48 (February 2008): 58-93.

“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.

“‘Thoughts in Things:’ Modernity, History, and North American Museums,” *Isis* 96 (December 2005): 586-601.

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

With Paul Brinkman, “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), pp. 7-33.

"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.

"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.

"*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.

"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).

### **Other Publications**

"Eloge: Michelle Aldrich," *Isis* 108 (December 2017): 861-864.

"Pillsbury Hall: The Museum as Classroom," *Earth Sciences Newsletter* (2016) (5 pages)

"Accounting for Knowledge Production," in Jenny Bangham and Judith Kaplan, ed., *Invisibility and Labour In the Human Sciences* (Berlin: Max Planck Preprint 484, 2016), pp. 137-142.  
<https://www.mpiwg-berlin.mpg.de/resources/preprints>

"Museums of Natural History and Science" in *Cambridge History of Science*, vol. 8: *Modern Science in National, Regional and Global Context*, eds. Hugh Slotten, Ronald Numbers and David Livingston (in press).

"Commentary: Accounting for Knowledge Production," for Workshop on "Invisible Labor," coordinated by Judith Kaplan and Jenny Bangham, and online at Max Planck Institute for the History of Science, Berlin (online in 2016).

"Nature Study" in *A Companion History to American Science*, ed. Mark Largent and Georgina Hoptroff (London: Blackwell Publishing, 2015). The editors of this volume kindly dedicated it to me.

“American Association for the Advancement of Science,” *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*, ed. Hugh Slotten (Oxford: Oxford University Press, 2014), pp. 45-46.

“Missouri Botanical Garden” and “Cultural Institutions: Botanical Gardens, Natural History Museums, and Zoos” in Richard Sissen, et al., eds., *The American Midwest: An Interpretative Encyclopedia* (Bloomington: Indiana University Press, 2007).

“Eloge: Nathan Reingold,” *Isis* (2007).

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

“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).

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

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).

"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.

"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.

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

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).

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

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



"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.

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

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

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

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

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

"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). This pamphlet highlighted the multiple specific places that directly utilize their skills, including archives, special collections, scientific journalism, museum work, and historical sites.

"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).

### **Major Conference Coordinating:**

\*Coordinator with Jole Shackelford, Jennifer Gunn and Tulley Long, "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" August 24-27, 2011, a joint German Historical Institute and University of Minnesota International Workshop (see edited volume with same title)

\*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)

**Reviewing:** Book Reviews (one or two a year) 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* (list available; not including short reviews in *Choice*).

Manuscript Reviews (on average one or two a year): Syracuse University Press, Princeton University Press, University of Chicago Press, University of Oklahoma Press, Oxford University Press, Routledge Press, Johns Hopkins University Press, Rutgers University Press, Pittsburgh University Press

*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, 2007-15; University of Pittsburgh Press, History of Nineteenth Century Science Series, Advisory Editor, 2016--.

*Reviewing:* Reviewer for proposals to the National Science Foundation, National Endowment for the Humanities, 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), Routledge Press, University of Pittsburgh Press; and articles (about three a year) 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*, *Women's History 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), History Department, Oregon State University (2017),

*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 (1996-2005), Iowa State University; University of Wisconsin WISELI Project - NSF ADVANCE Grant, Advisory Board, 2001-2006; National (CIE) Fulbright Review Panel, 2009 and 2014

*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, Max Planck Institute for the History of Science (list available)

**Selected Professional Activities, University of Minnesota  
1989- (on leave in 1993-94; 2000-01, 2007-08, 2014-15)**

History of Science and Technology Program: Graduate level offers a joint degree with History of Medicine

(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, 2013, 2015

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, taught intermittently)

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, 2015, 2016, 2017, 2019)

Biological Rhythms in Historical and Philosophical Perspective (with Jole Shackelford, Jennifer Gunn, and Tulley Long, Fall, 2011)

Climate Change Science: Historical Perspectives (Fall 2016)

Specialized graduate seminars and independent study courses with in response to student requests dealing with various aspects of science and American culture

Campus Obscura: A University of Minnesota Cabinet of Curiosities (2018) (first-year seminar)

Director of Undergraduate Studies, 1995-1999

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

Director, HST, 2008-2013

Salary Committee, 2017

College of Science and Engineering (formerly 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)  
Administrative Council (2008-2013)

All University Activity (selected)

Center for Advanced Feminist Studies, member 1989-- (Director, 1997-1999); in conjunction with this directorship, also participated in and helped coordinate 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, 1992-1994  
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 and 1999); 2003-2006, 2012-2013  
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, 2004  
University Grievance Committee, 2003-2008  
Chair (member as DGS), Graduate School P&R Council for the Mathematics, Engineering, and Physical Sciences, 2003-2005 (various subcommittees and chair in 2004-2005)  
Department of Anthropology, Chair, 2004-2005, 2005-2006  
Institute for Advanced Studies (Minnesota), Advisory Board, 2006-2010 (Research Grant Review Committee, 2009; Fellowship Review Committee, 2010)  
Fulbright Interviewing Committee, Graduate School, 2006  
Committee on Liberal Education, 2006-2010  
McKnight Land Grant Professor Review Committee, 2011-2013 (chair, 2012)

Graduate Student Financing Task Force, 2010-2011  
 University Project on Interdisciplinary Programs, 2010-12  
 Faculty Consultative Committee, 2012-13 (Chair, 2012-13)  
 Ex officio on Senate Committee on Educational Policy as acting Vice Provost and Dean of Graduate Education along with other active engagement with the Faculty Consultative Committee and other committees in and beyond the Graduate School, 2013-2014  
 Distinguished McKnight University Professorship Selection Committee (chair), 2016  
 Fulbright Interviewing Committee, Graduate School, 2016, 2017  
 Liberal Education Special Committee, 2016-17  
 Provost's Review Panel for the Department of History, 2017  
 Honors Review Committee for the Rhodes, Marshall, and Churchill undergraduate nominees, 2017, 2018  
 Fulbright Review Committee, 2017  
 Chair, Liberal Education Redesign Committee, 2017--

Other regional educational activities (selected as representative)

--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  
 --Sloan Foundation History of Technology Program; helped write grant and coordinate presentation of films with scholarly discussion and lectures in the Ridgedale Public Libraries, 2000-2001  
 --Presentation on AWomen in Science@ for Bakken Museum of Electricity and Life, March, 2002  
 --Advised History Day Project on Women and Science, 2007; student got honorable mention  
 --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  
 --Wrote opening text for "Women in Science" exhibit, Minnesota Historical Society (2009-10), a photography exhibit based on women in the Institute of Technology; also exhibited in Walter Library  
 --Presentation for Oshler Lifelong Learning Center on "Teaching Children Science" (2011)  
 --Regional Conference on Women in Computing – Post Plenary Discussant (2017)

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

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 (Emeritus, LeMoyne College, Syracuse)  
 Natalie McIntire, M. A. 1993 (renewable energy consultant, northern Wisconsin)  
 Rene Burmeister, M. A. 1995 (Ph.D. at Rutgers University, 2000)  
 Michael Buckley, M. A. 1997 (Ph.D. in English at Pennsylvania State University)

Stephen Humphrey, M.A. 1998 (business in Seattle)  
Effyithia 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 (Rare Book Library, University of Toronto)  
Karin Matchett, Ph.D., co-chair with John Beatty, P.D. 2002 (independent editor)  
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 and History, North Carolina State University)  
Juliet Burba, Ph. D. 2005 (Curator, Bakken Museum of Electricity and Life)  
Susan Rensing, Ph.D.2006 (University of Kansas, Manhattan)  
Mary Anne Andrei, Ph.D. 2006 (Journalist, Lincoln, Nebraska)  
Margot Iverson Ph.D. 2007, co-chair with John Beatty (Consulting, Boston, Massachusetts)  
Hyung Wook Park, Ph.D. 2009. co-chair with John Eyler (Nanyang Technical University, Singapore)  
Gina Rumore, Ph.D. 2009, co-chair with Mark Borrello, Ph.D. 2009 (Population Center, UMN)  
Suzanne Fischer, Ph.D. 2009 (Museum Director, Michigan Historical Center, Lansing)  
Matthew McGeachy, M.A. 2011 (Dramaturg, Toronto)  
Rita Murphy, M.A., 2012 ( Public Health administrator, Philadelphia)  
Christine Manganaro, Ph.D. 2012, co-chair with David Chang (Maryland Institute and College of Art)  
Frazier Benya, Ph.D., 2012 (Program Officer, National Academies of Science)  
Joseph Martin, Ph.D. 2013 (Post-doc, Cambridge University)  
Baojie Song, M.A. 2014 co-chair with Michel Janssen (SUNY Binghamton Ph.D. program)  
Barbara Reiterer, Ph.D. 2015, co-chair with Susan Jones (University of Vienna)  
Margaret Hofius, M.A. 2016 (Non-profit work; Redwood Falls, MN)

#### 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 interdisciplinary and multiple approaches to the field).

Current dissertation advisees:

Shawn Foster, Ph.D.  
Kate Jirik, Ph.D., co-chair with Jennifer Gunn  
Bonnie Gidzak, Ph.D.  
Jieun Shin, Ph.D.  
Reba Juetten, Ph.D.  
Anna Amramina, Ph.D. co-chair with Susan Jones

#### *Currently Active Committees:*

Jessica Nickrand (HMed)  
Lauren Klaffke (HMed)  
Emmie Miller (HST)  
Elizabeth Badger (History)

#### Other Graduate Committees of Students with Completed Degrees at Minnesota

Ellen Arnold (History Ph.D, 2006)  
Soma Banerjee (HST M.A, 2007)  
Greg Brick (Earth Sciences Ph.D. 2013)

Renee Burmeister (HST M.A. 1994)  
Joseph Cain (HST Ph.D., 1995)  
Jonathan Clemens (Ph.D. 2015)  
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)  
Xuan Geng (Ph.D., HSTM, 2015)  
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)  
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)  
Bryony Rogers (M.A. HSTM 2013)  
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)  
Aimee Slaughter (Ph.D. HST, 2013)  
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)

**Additional Dissertation Readership**

Justine Philip, (Ph.D. New England University, Australia, 2016)



Jane Carey (Ph.D. University of Melbourne, 2008)  
Helen Gail Clements (Ph.D. Griffith University, Australia, 1999)

### **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 19<sup>th</sup> and 20<sup>th</sup> 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, A 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,” History of Science Society, 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.

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

“Reflections on Women in Science and Technology in the Twentieth Century,” Plenary lecture for NSF sponsored Conference on Recruiting and Retaining Women in Science, Medicine, Engineering and Technology, Iowa State University, October 19, 2002.

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

Chair, “Metropolitan 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 (GWIS) 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 the History of Science Society Meeting, Philadelphia, July 2012.

“Science and the States: Natural History Surveys and Midwestern Land-Grant Colleges and Universities in the Last Half of the Nineteenth Century.” Thinking Land Grants: A Celebration of the 150<sup>th</sup> Anniversary of the Morrill Land Grant Act, Mississippi State University, October 6, 2012.

“Uncovering the Past, Charting the Future: The Rise of Women in Science,” Women’s History Month Lecturer, University of Minnesota Crookston Campus, March 27, 2013.

“Uncovering the Past and Charting the Future of Women in Science and Technology,” Public Lecture in Series on Women in Science, Miami University, October 17, 2013.

Comment, “Communication across the Borders of Knowledge: Science, Art, and Literacy in the Long Eighteenth Century,” Berkshire Conference on Women’s History, University of Toronto, May 24, 2014.

Comment, “Evolution in Museums, Evolution of Museums,” Organization of American Historians, St. Louis, April 18, 2015.

“Historical Reflections on the Commission on Women,” and “Struggles, Strategies, Affirmative Action, and Collaboration: Historical Realities of Women in Science,” Commission on the History of Women and Gender in Science, DHST, International Union for the History and Philosophy of Science, Prague, June 6, 2015.

“Migration of a Maori Hei-tiki,” Max Planck Institute for the History of Science” Berlin, June 16, 2015.

“Chair, “Science in Mid-Nineteenth Century America,” History of Science Society, Toronto, November 10, 2017.

“Permanence and Transience: A New Zealand Object in Translation,” History of Science Society, Toronto, November, 2017.

[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 on general sessions and workshops at History of Science Society not noted above; on-campus talks on women in STEM for various groups]

### **Supplementary List of Book Reviews**

Nina Fletcher, *Early Years of the McLean Hospital, Recorded in the Journal of George William Folson, 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.

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