

Sheila Tobias

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PROFESSIONAL PREPARATION

B.A. Radcliffe College, Harvard University, History & Literature, *Magna Cum Laude Phi Beta Kappa*
M.A. Columbia University, European History
M. Phil Columbia University, History
Eight Honorary Doctorates 1990-2005, including Michigan State University, SUNY Potsdam, Wheelock College of Education, Drury College, and Worcester Polytechnic Institute

HIGHER EDUCATION INNOVATION

Math Anxiety, Women's Studies, design and promotion of alternate M.S. degree (PSM) for STEM majors; Tracking Graduates through Social Media

Consultant/grantee, Alfred P. Sloan Foundation, PSM outreach and development for what became known as the Professional Science Master's degree, 1997-2014

Sub- contractual evaluator on the National Science Foundation's SMP (Science Master's program) 2012-2014

Visiting Consultant on "Science-Based Business" program development, Universities of Amsterdam and Leiden, The Netherlands 1996-97

On special assignment to analyze shortfall of physical science majors in U.S. universities for [Research Corporation for Science Advancement](#), resulting in four books on science education (see Books) 1989-1995; 2008-2010

Intermittent grant funding for innovation in women's education, FIPSE (Math Anxiety), The Ford Foundation (Women's Studies).

TEACHING/UNIVERSITY ADMINISTRATION

- 1982-1992 Visiting Lecturer, spring quarters, "Gender and Politics", Department of Political Science, University of California, San Diego.
- 1991-1997 Regular Summer Lecturer, Claremont Graduate School, Course taught: "Gender Issues in Education."
- 1982-1989 Regular Summer Lecturer in "The Nuclear Predicament" with John Jungerman, professor of Physics, University of Calif. Davis
- 1978-1981 Director, Math Anxiety (training trainers/dissemination) Project, Washington School of Psychiatry
- 1970-1978 Associate Provost, Wesleyan University, Middletown, Connecticut. Primary administrative focus was on helping this formerly all-male institution make the transition to coeducation. This included the hiring of women faculty and other key personnel. Also co-organized a New England-wide Higher Education Resource Service for women academic professionals, which later grew into the HERS Bryn Mawr Summer Institute for Women in Higher Education Administration. Courses taught: American Studies 210, "Gender and Politics," "Men and Women in Wartime."
- 1967-1970 Assistant to Vice President for Academic Affairs, Cornell University, with special emphasis on implementing the Kahn-Bowers report on undergraduate education. As part of what was first thought to be a "January Term" activity, launched one of the first Women's Studies courses later to become one of the first women's studies programs in the country.
- 1965-1967 Lecturer in History, City College of New York

NON-ACADEMIC WORK

Reporter, general factotum for *The Army Times Publishing Co.*, Frankfurt Germany
Advance Research for "Color in Britain" Intertel Documentary, 1963
Researcher, ABC-TV for "The Crucial Summer", five part series on Civil Rights, 1964
Freelance Radio Journalism for Canadian Broadcasting Co. 1964-65
Assistant Director, Upward Bound, Charleston, South Carolina, 1966
Visiting Evaluator, Prince Edward County Alternate School system, 1965

BOOKS IN REVERSE CHRONOLOGICAL ORDER

Banishing Math Anxiety, with Victor Piercey, 2012 (Kendall Hunt)
Science Teaching as a Profession. Why it isn't How it could be, with Anne Baffert, 2010 (National Science Teachers Association)
Faces of Feminism: An Activist's Reflections on the Women's Movement, 1997 (Perseus Books)

Rethinking Science as a Career that recommended a new hybrid degree for physical scientists, 1995 (Research Corporation for Science Advancement).
The Hidden Curriculum: Faculty Made Tests in Science, with Jacqueline Raphael, 1997 (Plenum)
Breaking the Science Barrier (with Carl Tomizuka), 1992 (The College Board)
Revitalizing Undergraduate Science: Why some things work and most don't, 1992 (Research Corporation for Science Advancement)
Women, Militarism, and War: Essays in History and Social Theory, with Jean Bethke Elstain co-editors, 1990 (Rowman & Littlefield).
They're not dumb, they're different, 1990 (Research Corporation for Science Advancement)
Succeed with Math, 1987 (The College Board)
The People's Guide to National Defense, also published as *What Kinds of Guns are they buying for your Butter? A Beginner's Guide to Defense, Weaponry, and Military Spending*, with Peter Goudinoff, Shelah Leader, Stefan Leader, 1982 (William Morrow)
Overcoming Math Anxiety, 1978 and 1994 (revised) (W.W.Norton)

ARTICLES ABOUT THE RECENT WORK ON TRACKING GRADUATES: ASSESSING PSM

Sheila Tobias, "Professional science degree may be 21st century MBA," *Science News*, June 20, 2009 - *Scientific American*, Special Section, November 2013
"Where did your graduate students end up? Linked In Knows," by Stacey Patton, *The Chronicle of Higher Education*, June 11, 2012
Sheila Tobias and Susan Richards, "PSM mathematics professionals: where are they working? How are they employed?" Publication pending.
Sheila Tobias, Susan Richards, and Donald Langenberg, "Targeting Grads through Social Media: A first-time Probe." Elizabeth Olson, "A Degree where Techie Meets Business Smarts," *New York Times*, March 17, 2014.

REFERENCES

References are available on request.