

STEPHEN P. WELDON
Assistant Professor of History of Science
Editor, *Isis Bibliography of the History of Science*

Department of History of Science
University of Oklahoma
601 Elm, Physical Sciences Room 618
Norman, OK 73019-3106

Office phone: 405-255-5187

Email: spweldon@ou.edu

TEACHING AND RESEARCH POSITIONS:

Assistant Professor, History of Science Department, and affiliated faculty in Religious Studies, University of Oklahoma (2002-present). Faculty responsibilities of teaching, service, and research account for half of my contractual obligations, the rest is devoted to editing the *Isis Current Bibliography* (see below) Affiliated Scholar, Kanazawa Institute of Technology (Fall 2008).

Visiting Scholar, Department of Science and Technology Studies, Cornell University (2000-2002)

EDITORIAL POSITIONS:

Editor, *Isis Current Bibliography*, (2002-present). Am fully responsible for the collection, classification, and indexing of around 4000 bibliographical citations in history of science annually, covering publications worldwide in over 20 languages.

Managing Editor, *Osiris* (vols. 15 and 16) and *Isis* (1999 and 2001)

PROFESSIONAL SERVICE COMMITTEE POSITIONS:

Editions Open Sources (online scholarly publishing platform supported by a collaboration between the Max Planck Institute for the History of Science, Berlin and the University of Oklahoma), Member of Editorial Board (2014-present)

Linda Hall Library Fellowships Program, Reviewer (2014, 2015)

World History of Science Online (a project of the International Union of History and Philosophy of Science/Division of History of Science and Technology), Chair of Governing Board (2007-present)

Commission on Bibliography and Documentation (International Union of History and Philosophy of Science/Division of History of Science and Technology), Vice President of Bibliography (2012-present)

EDUCATION:

Ph.D., History of Science and History, University of Wisconsin-Madison, 1997

M.A., History of Science, University of Wisconsin-Madison, 1990 B.A.,

Science, Technology, and Society, Cornell University, 1985

Special Student, Science, Technology, and Society, Massachusetts Institute of Technology, 1984

PEER-REVIEWED PUBLICATIONS:

The Scientific Spirit of American Humanism: Science, Human Nature, and the Reconstruction of Religion the Twentieth-Century (approx. 100,000 words). Book manuscript.

“Historians and Their Data,” for the conference publication of CESIMA ANNO XX: Crossing Oceans: Exchange of Products, Instruments, Procedures and Ideas in the History of Chemistry and Related Sciences, São Paulo, Brazil, August 27, 2014, edited by Ana M. Alfonso-Goldfarb, Marcia Ferraz (in press).

“Ordering the Discipline: Classification in the History of Science,” introduction to a Focus Section, *Isis* (September 2013): 537-539. Open Access URL: <http://www.jstor.org/stable/10.1086/673272>

“Bibliography Is Social: Organizing Knowledge in the *Isis Bibliography* from Sarton to the Early Twenty-First Century,” part of a Focus Section, *Isis* (September 2013), pp. 540-550. Open Access URL: <http://www.jstor.org/stable/10.1086/673273>

“History of the World History of Science Online Project,” *Acta Baltica Historiae et Philosophiae Scientiarum* (in press, 2013). Open Access URL: http://www.bahps.org/09_Weldon-2013-2-09.pdf

“‘La classification des sciences n’a jamais cessé d’évoluer’: A Century of Effort at Putting Science in Its Place,” pp.

307-328, in Ana M. Alfonso-Goldfarb et al., eds. *Centenário Simão Mathias: Documentos, Métodos e Identidade da História da Ciência* (São Paulo: PUC-SP; Imprensa Oficial, 2009). Link to Table of Contents of volume: <http://www.pucsp.br/pos/cesima/publicacoes/centenario/sumario.pdf>

“The Isis Bibliography from Its Origins to the Present Day: One Hundred Years of Evolution of a Classification System” *Circumscribere* 6 (2009): 26-46. Open Access

URL: <http://revistas.pucsp.br/index.php/circumhc/article/view/1942>

“American Jews and the Ideology of Modern Science,” 745-747, in Stephen H. Norwood and Eunice G. Pollack, eds., *Encyclopedia of American Jewish History*, vol. 2 (ABC-CLIO, 2007)

“Humanism, Secular, U.S.” *Dictionary of the History of Ideas* (2004)

“Postmodernism” and “Social Construction.” *Science and Religion: A Historical Introduction*. Ed. Gary B. Ferngren. Baltimore: Johns Hopkins, 2002. (Republication of two articles that appeared in 2000. Both contain new introductions.)

“Deism,” “Postmodernism,” “Secular Humanism,” and “Social Construction of Science.” In *The History of Science and Religion in the Western Tradition: An Encyclopedia*. Ed. Gary B. Ferngren, Edward J. Larson, and Darrel W. Amundsen. New York: Garland, 2000

EDITED PUBLICATIONS:

Isis Current Bibliography, vol. 93 (2002) – vol. 105 (2014). See: <http://isisbibliography.org/>

“Ordering the Discipline: Classification in the History of Science,” Focus Section, *Isis* (September 2013): 537-539.

DOCTORAL DISSERTATION:

“The Humanist Enterprise from John Dewey to Carl Sagan: A Study of Science and Religion in American Culture,” University of Wisconsin, Madison, 1997

PROFESSIONAL BLOGS AND ONLINE SURVEYS:

Regular contributor to Inhabiting the Anthropocene, URL: <http://inhabitingtheanthropocene.com/> (Fall 2014-present)

Citations: From the Bibliographer’s Desk, URL: <http://isiscurrentbibliography.weebly.com/blog.html> (2013-present)

World History of Science Online, URL: <http://www.dhst-whso.org/blog/> (2012-present)

Online Survey on Research Methods in the History of Science and the Usage of the Isis Current Bibliography (February and March, 2013)

CONFERENCE AND SYMPOSIUM ORGANIZING:

Conference co-organizer for THATCamp HSS 2015, San Francisco, CA, November 19, 2015.

Conference co-organizer for “The History of Science in the Age of Networked Digital Humanities,” Sydney, Australia, July 2, 2015.

Conference co-organizer for THATCamp HSS 2014, Chicago, IL, November 6, 2014.

Conference co-organizer for “New Directions in Digital History of Science,” Max Planck Institute for the History of Science, Berlin, July 17, 2014.

Session co-organizer for “The Isis Bibliography and the Profession: Past, Present, and Future” symposium at History of Science Society Meeting, Boston, Massachusetts, November 21, 2013.

Organized a reception honoring the Isis Bibliographer Emeritus, John Neu, at the History of Science Society Meeting, Boston, Massachusetts, November 22, 2013.

Session co-organizer for “History of Science and the Ecology of Knowledge” symposium at the 24th International Congress of History of Science, Technology and Medicine, Manchester, UK, July 26, 2013.

Created, judged, and organized award ceremony for a bibliography prize, the Neu-Whitrow Prize for the best bibliography or finding aid in the history of science, as part of the Commission on Bibliography and Documentation, 2013.

Conference planner for “Isis CB 2.0 Conference,” an international research conference with 15 invited guests and over 20 local participants, held in the History of Science Collections of the University of Oklahoma, Norman, Oklahoma, supported primarily with funds from the Alfred P. Sloan Foundation, April 11-13, 2013.

Session co-organizer for “The Tools of Research and the Craft of History” symposium at 5ESHS, Athens, November 1-3, 2012. URL of Conference Proceedings:

<http://5eshs.hpdst.gr/sites/5eshs.hpdst.gr/files/5eshsproceedings.pdf>.

Session organizer for “Science and the New Media” symposium at ICHST, Budapest, Summer 2009.
 Session organizer for “Classification in the History of Science,” a 2-session symposium at the History of Science Society meeting, Phoenix, November 20-21, 2009.

BOOK REVIEWS:

- “Monkey Business,” Essay review of *Trying Biology: The Scopes Trial, Textbooks, and the Antievolution Movement in American Schools* by Adam R. Shapiro. *Studies in History and Philosophy of Biological and Biomedical Sciences* 48 (2014): 115-118.
- Review of *Science and Religion around the World* edited by John Hedley Brooke and Ronald L. Numbers. *Isis* 103 (March 2012): 156-157.
- Review of *God vs. Darwin: The War between Evolution and Creationism in the Classroom* by Mano Singham. *NCSE Newsletter* (2011).
- Review of *The Wonderful Adventures of Nat Selleck & Eva Lou Shinn in Sci Fi Land: A Spoof on Evolution and Natural Selection* by A. Nonimous [John C. Greene]. *Isis* 99 (2008): 875-876.
- Review of *Science Talk: Changing Notions of Science in American Popular Culture* by Daniel Patrick Thurs. *Science Education* 92 (2008): 759-761.
- Review of *The Creationists* (revised edition) by Ronald L. Numbers. *Isis* 98 (2007): 871-873
- Review of *Modern Physics and Ancient Faith* by Stephen M. Barr. *Isis* 95 (2004): 742-743
- Review of *Language, Religion, Knowledge: Past and Present* by James Turner. *Isis* 95 (2004): 128
- Review of *Reconciling Science and Religion: The Debate in Early Twentieth-Century Britain*, by Peter J. Bowler. *Isis* 93 (2002): 745-747
- Review of *Landmarks in Western Science: From Prehistory to the Atomic Age*, by Peter Whitfield. *Isis* 93 (2002): 279-280
- Review of *Science or Pseudoscience: Magnetic Healing, Psychic Phenomena, and Other Heterodoxies*, by Henry H. Bauer. *Isis* 92 (2001): 815-816
- Review of *Belief in God in an Age of Science*, by John Polkinghorne. *Isis* 92 (2001): 599-600
- Review of *Science in the New Age: The Paranormal, Its Defenders and Debunkers, and American Culture*, by David J. Hess. *Isis* 85 (1994): 551-52

OTHER PUBLICATIONS:

- “Searching Smartly in the HistSciTechMed Database,” with Sam Spence and Kim Rudolph, *History of Science Society Newsletter* (39:2, April 2010): 26-40.
- “Humanism and Eugenics: A Case Study of Herman J. Muller,” 139-149, in *Humanism Today*, ed. Howard B. Radest (Prometheus, 2007)
- “The Academy and the Pulpit: 1930s-Style Humanism at Columbia University.” *Religious Humanism* 32, nos. 1 & 2 (Winter/Spring 1998): 29-50
- “In Defense of Science: Secular Intellectuals and the Failure of Nerve Thesis.” *Religious Humanism* 30, nos. 1 & 2 (Winter/Spring 1996): 30-39

PAPERS AND PRESENTATIONS:

- Co-author of “Bibliography as Discipline Map: Rebuilding Data Structure in the *Isis Bibliography of the History of Science* for Social Network Study” by Stephen P. Weldon, Sylwester Ratowt, Birute Railiene, John Stewart, in Panel 3: “The History of Science in the Age of Networked Digital Humanities,” DH 2015, Sydney Australia, July 2, 2015.
- Respondent to “The Neo-Conflictists, the New Atheists: Dawkins, Dennett, and Hitchens” by Ronald N. Numbers and Jeff Hardin at “The Idea that Wouldn’t Die”: The Warfare between Science and Religion, A Conference on the Conflict Thesis, Madison, WI, May 14-16, 2015.
- “Evolution and Belief” part of a co-presentation on “Science and Myth: Evolution and Climate Change,” at the Southwestern Psychological Association Convention, Wichita, Kansas, April 12, 2015.
- “Reductionism and Holism in the American Humanist Movement: The Effect of Changing Cohorts of Authorities,” Annual Meeting of the Society for the Advancement of American Philosophy, Grand Rapids, Michigan, March 7, 2015.

- “Principles of Discovery in the History of Science,” CESIMA ANNO XX: Crossing Oceans: Exchange of Products, Instruments, Procedures and Ideas in the History of Chemistry and Related Sciences, São Paulo, Brazil, August 27, 2014.
- “HSTM Online Bibliographic and Reference Resources: Where We Are and Where We Should Go,” New Directions in Digital History of Science, Max Planck Institute for the History of Science, Berlin, July 17, 2014.
- “How Are Historians Using the Isis Bibliography Today? Current Trends and Historical Research Practices,” cowritten with Amy Rodgers, History of Science Society Meeting, Boston, Massachusetts, November 21, 2013.
- “Digital Classification and Tagging of Bibliographical Objects in the Isis History of Science Data,” co-presented with Sylwester Ratowt, Digital HPS Meeting 2013, Bloomington, Indiana, September 7, 2013.
- “Digital Perturbations in the Ecology of Knowledge: Analysis of a Survey of Historians’ Use of the *Isis Current Bibliography of History of Science* in Both Print and Digital Forms,” co-written with Amy Rodgers, 24th International Congress of History of Science, Technology and Medicine, Manchester, UK, July 26, 2013.
- “Recent Trends in Research in the Field of the History of Science,” Webinar Presentation for the Collections Forum on Science, Technology, and Engineering, Center for Research Laboratories, Annual Council Meeting, April 19, 2013. URL: https://www.youtube.com/watch?v=IDmywUFD_IA; presentation begins at 35:00 and runs to 1:17:00. URL of slides by themselves: <http://www.crl.edu/sites/default/files/d6/attachments/events/Recent%20Trends%20in%20Research%20in%20the%20Field%20of%20the%20History%20of%20Science.pdf>.
- “The Culture of Research in History of Science: The Social and Ethical Aspects of Research Tools at the Dawn of the Digital Age,” 5th European Society for the History of Science conference, Athens, Greece, November 3, 2012.
- “The World History of Science Online: Organizing Scholarly Resources on the Web,” co-author of paper presented by Biruté Railienė, International Baltic Conference on the History of Science 2012, Vilnius, Lithuania, October 4-6, 2012.
- “Digitizing Bibliography: On the Impact of Electronic Media on Classification in the History of Science,” Three Society Conference, Philadelphia, Pennsylvania, July 13, 2012.
- “Humanism, the ‘Sacraments of Science,’ and the Secularizing of American Culture after 1945,” History of Science Department Colloquium, April 15, 2011
- “Secular Humanism,” Unitarian Universality Fellowship, Norman, Oklahoma, December 5, 2010
- “Hypatia and the Library of Alexandria in the motion picture *Agora*.” The Naturalist Society of Norman, November 21, 2010; and History of Science Club, February 2011
- “World History of Science Online: Preparing for the Future of Information Discovery,” delivered at the History of Science Society Meeting, Montreal, November 6, 2010
- “Hopes, Fears, and Discontent in America: Four Decades of Anti-Evolutionism and Anti-Creationism” Darwin 2009, Sam Noble Oklahoma Museum of Natural History, August 27, 2009.
- “The Cost of Free Access: Making the Isis Bibliography Available on the Open Internet.” History of Science and the New Media: Resources for Connecting the Global Community of Scholars, 23rd International Congress of History of Science and Technology (ICHST), Budapest, Hungary, July 29, 2009.
- “貴重本が語る天文学の革命” [Translated title: The Story of the Scientific Revolution in Astronomy as Told through Rare Books] Ishikawa Kousen, Tsubata, Japan. Tuesday, January 9, 2008.
- “La classification des sciences n’a jamais cessé d’évoluer’: A Century of Effort at Putting Science in Its Place.” Centenário Simão Mathias: Documentos, Métodos e Identidade da História da Ciência, CESIMA, Pontifícia Universidade Católica de São Paulo, August 29, 2008
- “International Collaboration through WHSO (World History of Science Online): Technical and Social Issues.” Future Proof IV: International Scientific Archives Conference, Royal Swedish Academy of Sciences, Stockholm, Sweden, Friday, April 25, 2008
- “Francis Schaeffer and the Understanding of Modern Science in an Evangelical Context.” History of Science Society Annual Meeting, Arlington, Virginia, November 2, 2007
- “Scientific Talk as a Medium for Negotiating Human Values: A Study of Fundamentalist-Humanist Interaction in Late 20th-Century America.” History of Science Colloquium, University of Oklahoma, March 9, 2007

- “Evolution, Religion, and Science in 20th Century America.” Renaissance Project Symposium on Science, Religion, and the Law in U.S. Politics and Society, University of Oklahoma, February 2, 2006
- “The *Isis Bibliography of the History of Science: Attempting a Global Survey.*” XXII International Congress of History of Science, Beijing, July 24-30, 2005
- “Humanistic Psychology and Liberal Religion in America, 1950-1980.” History of Science Society Annual Meeting, Austin, Texas, November 19, 2004
- “Forum Discussion on Classification.” Moderator and Presenter. History of Science Society Annual Meeting, Cambridge, Massachusetts, November 22, 2003
- “Psychology and Secular Religion: Shifting Boundaries,” History of Science Colloquium, University of Oklahoma, April 4, 2003
- “The sTarbaby Affair: Controversy within a Community of Skeptics over a Test of the Claims of Michel Gauquelin's Statistical Astrology,” Science Studies Reading Group, Cornell University, February 26, 2001
- “Religion and Science in the Twentieth Century: Reflections on a Study of Secular Humanism.” Science Studies Reading Group, Cornell University, October 7, 1996
- “Defending Science against Religion: Secular Intellectuals in Modern America.” History of Science Society Annual Conference, Minneapolis, Minnesota, October 26-29, 1995
- Commentator. Conference on “Responding to Darwin: New Perspectives on the Darwinian Revolution,” Dunedin, New Zealand, May 12-15, 1994
- “T. C. Schneirla and the Politics of Integrative Levels in the 30s and 40s.” The T. C. Schneirla Conference, New York City, November 8, 1991
- “The Fundamentalisms of Science and Religion,” a public talk sponsored by the Sciencenter at the Kendal retirement home, Ithaca, New York, September 13, 2000
- “Religion in America.” Ho'onko, Enshoji Temple, Ishikawa-ken, Japan, October 24, 1999
- Discussant on the topics in the history and current state of humanism in the Unitarian Church. Young UU Leaders Seminar, Minneapolis, May 10-12, 1999

GRANTS AND AWARDS:

- Alfred P. Sloan Foundation, Digital Information Technology related to Scholarly Communication, a grant to develop a digital resource using the content of the *Isis Bibliography*, in collaboration with University of Melbourne's eScholarship Research Centre, 2014 (\$350,000)
- University of Oklahoma, Publication Support Program for Open Access Resources, 2014 (\$6,000)
- University of Oklahoma, Faculty Enrichment Grant, 2013 (\$710)
- University of Oklahoma, Supplemental Grant for Conference on Proposal Development for Isis CB 2.0, 2013 (\$2,500)
- Alfred P. Sloan Foundation, Conference on Proposal Development for new digital resource based on the Isis Current Bibliography, 2012 (\$13,000)
- Editing subvention for *The Scientific Spirit of American Humanism* (working title), University of Oklahoma, 2011 (\$2000)
- Junior Faculty Summer Fellowship, University of Oklahoma, 2005. (\$6,000)
- Travel funding for XXII International Congress of History of Science in Beijing, University of Oklahoma, 2005
- National Science Foundation, travel grant, “Disseminating Darwin” Conference in Dunedin, New Zealand, 1994
- National Science Foundation, Dissertation Improvement Grant, 1993-1994. (\$5,000)

GRADUATE STUDENT ADVISING

- Thomas Hoyt, chair, M.A. committee. Thesis on John William Draper and the Conflict Thesis as related to American Nationalism (Degree granted, May 2011)
- Rick Tison, chair, Ph.D. committee. Dissertation title: “Science on Mt. Sinai: Moses, Genesis, and Scriptural Geology in Antebellum America” (Degree granted, Summer 2008)
- Sam Spence, chair, M.A. committee. Thesis on the influence of science fiction writers on the Strategic Defense Initiative of the United States in the 1980s. (Degree granted, Fall 2008)
- Matthis Krischel, chair, M.A. committee. Thesis title: “ ‘Immer der Krieg verschlingt die Besten’: Biology, War, and Scientific Internationalism, 1912-1920” (Degree granted, May 2007)

COURSES TAUGHT (SELECTED LIST)

HSCI 2223 Lives in Science (Fall 2013)
HSCI 2443 Science in a Religious World (Spring 2010, Spring 2012, Spring 2013)
HSCI 2433 Science and Politics, Int'l Perspectives (Fall 2010)
HSCI 3032 History of Science since Newton (Fall 2009, Spring 2011, Fall 2011, Fall 2012)
HSCI 3433 Science and Politics, Int'l Perspectives (Spring 2008)
HSCI 3443 Science in a Religious World (Spring 2003, Fall 2004, Spring 2006, May Intersession 2006, Fall 2007, Spring 2014)
HSCI 4990 Independent Study: Advanced Reading in Science and Religion (Summer 2004, Fall 2006) HSCI
5533 Advanced Studies in Modern Science: Science and Democracy (Fall 2005)
HSCI 5550 Topics in the History of Science: Science in a Religious World (Spring 2003)
OSLEP (Fall 2005) – faculty resource person for course in Evolution and Creationism taught by Dr. Wesley Elsberry
Facilitator of a faculty-graduate student reading group on Topics in Science and Religion (2004-2006)

UNIVERSITY PROFESSIONAL SERVICE COMMITTEES

Committee A, Department of History of Science (2006-2007, 2013-2014)
History of Science Department, University of Wisconsin—Madison, Alumni Representative, Community and

Alumni Relations Committee (2013-present)
A&S Student Scholarships and Awards Committee (2013-1014)
OU Undergraduate Scholarship Committee (2013)
Darwin@OU2009 Steering Committee, Chair (2008), Member (2009)
Graduate Studies Committee, History of Science Department, Chair and Graduate Advisor (2007-2012), Graduate
Liaison (2012-2014)
Digital Humanities Working Group (2012-present)
Anthropocene Faculty Discussion Group (2013-present)