

Kerry V. Magruder

Assistant Professor of Bibliography and Curator
History of Science Collections, University of Oklahoma Libraries



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Education

- 2003 MLIS., School of Library and Information Science, University of Oklahoma
Thesis: "A Bibliography and Reference Analysis of Thomas Burnet, *The Theory of the Earth* (1684)"; <http://hsci.ou.edu/images/magruder/toe/>
- 2000 Ph.D., History of Science, University of Oklahoma.
Dissertation: "Theories of the Earth from Descartes to Cuvier: Natural Order and Historical Contingency in a Contested Textual Tradition"
<http://hsci.ou.edu/images/magruder/toe/>
- 1985 M.A., Science Education, Truman State University
- 1983 B.A., Biology, Truman State University

Academic Positions, Teaching

Curator, History of Science Collections, University of Oklahoma Libraries, 2009-present

Librarian, History of Science Collections, University of Oklahoma Libraries, 2004-2008

Acting Librarian, History of Science Collections, University of Oklahoma Libraries, 2000-2003

- Provide rare book presentations on various topics in the history of science, provide guided tours of the History of Science Collections for classes and campus visitors, assist in the acquisition and care of rare books and scholarly resources, develop public support for the Collections, and oversee the day-to-day operations of the Collections.

History of Science Department, University of Oklahoma, 2000-present

- HSCI 3013, History of Science to Newton (online): Fall 04, Spring 05, Fall 05-08.
- HSCI 5990, History of Science graduate seminar (team-taught), Fall 05-08; Spring 08-09.
- HSCI 5970: Research, Criticism and Analysis (historiographical seminar for new graduate students), Fall 2001.
- HSCI 3023: History of Science since the age of Newton, Summer 1998.
- Numerous directed readings and supervised internships.

Assistant Professor of Natural Sciences, Oklahoma Baptist University, 1994-1998.

- History of Science: 312, to Newton; and 313, after Newton.
- Natural Science (interdisciplinary, laboratory-based, historically-organized science courses for junior-level liberal arts students): US 311 (physical sciences); US 312 (life sciences); GNSC 320 Earth sciences; and Topics in Astronomy Education.
- OBU Science Education program, Director. Responsibilities included advising, supervising student teachers, and teaching ED 398 Secondary Science Teaching Methods.
- OBU Planetarium, Director. Responsibilities included integrating planetarium shows across the liberal arts curriculum, supervising 10-12 student workers, maintenance and technical operation, program production, show presentations, and teaching GNSC 250 Planetarium Operations.



Presentations

- “The Works of Charles Darwin: A Guided Tour,” banquet presentation for the Bizzell Society, Oklahoma City, 4/6/2009.
- “Geology and Ancient Wisdom: The Enigma of John Whitehurst,” paper presented at the annual meeting of the Geological Society of America, Houston, Texas, 10/8/2008.
- “The Works of Galileo: A Guided Tour”
- NASA Research Center, Langley, VA, 7/8/2008
 - Virginia Air & Space Center, Hampton, VA, 7/8/2008
 - Michigan State University, invited colloquium sponsored by the Physics-Astronomy Department and the Lyman Briggs School of Science, 4/12/07.
 - New Mexico State University, Physics Department colloquium, February 24th, 2006.
 - Online version received Star Award of the Griffith Observatory (one of the oldest and largest US planetariums) in 2005, <http://hsci.cas.ou.edu/exhibits/exhibit.php?exbgrp=1>.
 - Truman State University, Physics Department colloquium, April 1, 2005.
 - University of Oklahoma Physics-Astronomy colloquium, February 19, 2004.
 - Fermilab National Accelerator colloquium, Chicago, February 4, 2004.
 - Florida State University, Physics Department colloquium, October 23, 2003.
- “Copernicus and his *Revolutions*: A Guided Tour”
- Florida State University, invited colloquium sponsored by the Physics Department, 1/24/08.
 - Michigan State University, invited colloquium sponsored by the Physics-Astronomy Department and the Lyman Briggs School of Science, 4/11/07.
 - University of Oklahoma, Physics-Astronomy Department colloquium, 2/9/06.
- “The Shape of the Earth,” Southern Nazarene University, Bethany, OK, invited public evening lecture, 4/28/08
- “Biblical Idiom and Global Depictions in Theories of the Earth,” presented in Eichstätt, Germany, July 27 - Aug 5 2007 at the annual Symposium of INHIGEO.
- “Virtually There: Digitization and Pedagogy in the History of Science program,” with Melissa L. Rickman and Stephen Weldon, colloquium for the History of Science Department, September 29, 2006 (<http://hsci.cas.ou.edu/images/blogs/dc/site/Images/Images.html>).
- “Kenneth L. Taylor: A Student Tribute,” 5/5/2006, one of four invited presentations at a public Symposium held in the University of Oklahoma Memorial Union sponsored by the History and History of Science Departments to honor retiring faculty David Levy and Kenneth L. Taylor by recognizing the impact of their scholarship upon their respective fields.
- “Galileo: Relationships between Science and Religion,” public presentation in the “Research Revolution: Science and the Shaping of Modern Life” discussion series, Oklahoma City Public Library, sponsored by the University of Central Oklahoma College of Mathematics and Science, Friends of the Library of UCO, and the Oklahoma City Metropolitan Library System, October 6, 2005.
- “Global Visions: Theories of the Earth and the Early Development of Visual Representations of the Earth,” INHIGEO Symposium on the History of Geophysics, Prague, July 5, 2005.
- “The *Sphaera* of Gabriele Beati and Jesuit Cosmology after Galileo,” invited banquet address for the annual conference of the Midwest Junto for the History of Science, held at Truman State University, Kirksville, Missouri, April 2 2005.
- “Lessons from the Aether: Developing and Teaching Online Courses,” with Laura Gibbs. OU History of Science Department colloquium, December 3, 2004.

- “Whole-Earth Thinking before Wegener: Global Sections and Views in Theories of the Earth.”
OU Geology and Geophysics colloquium, October 21, 2004.
- NOVA, “Galileo's Battle for the Heavens,” aired on PBS October 2002. I provided the producers with images from books seen in this film. The first-listed institutional credit is to the History of Science Collections, University of Oklahoma Libraries, and the first-listed individual consultant credit is to myself.
- “The *Sphaera* of Gabriel Beati and 17th-century Jesuit cosmology,” OU History of Science Department colloquium, spring 2002.
- “Reassessing a Contested Textual Tradition: Jacques Roger and the Historiography of Theories of the Earth,” OU History of Science Department colloquium, spring 2002.
- “Theories of the Earth from the Printing Revolution to the Professionalization of Geology,” History of Science Collections book presentation, spring 2002.
- “The Prometheus Project of the OU History of Science Collections,” Workshop for Digitization in the History of Science, The Dibner Institute and MIT, March 2002.
- “Crossing Disciplinary Divides: Global Visions and Hexameral Idiom in Textual Traditions before Geology,” Geological Society of America annual meeting, Denver, Colorado, October 25-28, 1999.
- “Journey to the Center of the Earth (from Kircher to Verne),” Linda Hall Library, Kansas City, Missouri, January 8, 1998.
- “History of Science and the Planetarian,” Southwest Association of Planetariums (SWAP) conference, Austin, TX, in 1994.

Publications — Public writing

- “This is NOT a Medieval Woodcut!,” <http://homepage.mac.com/kvmagruder/flatEarth/>.
- “Theories of the Earth,” with Kenneth L. Taylor, in *Europe 1450 to 1789: Encyclopedia of the Early Modern World*. New York: Charles Scribner's Sons, 2004. Vol. 2, pp. 222-226.
- “Geology,” with Kenneth L. Taylor, in *Europe 1450 to 1789: Encyclopedia of the Early Modern World*. New York: Charles Scribner's Sons, 2004. Vol. 3, pp. 39-42.
- “The Lynx,” newsletter of the University of Oklahoma Academy of the Lynx, a support organization for the History of Science Collections; <http://libraries.ou.edu/info/info.asp?id=20>.
— No. 1, October, 2002.
— No. 2, November, 2005.
- “Copernicus and His *Revolutions*,” a 77-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in “The Cosmology and Cultures Project” (Oklahoma Baptist University and the American Council of Learned Societies, 2005), instruction manual at <http://hsci.cas.ou.edu/images/mov/Copernicus.pdf>; available as online video at <http://hsci.cas.ou.edu/images/mov/Copernicus.mov>.
- “The Shape of the Earth,” a 47-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in “The Cosmology and Cultures Project” (Oklahoma Baptist University and the American Council of Learned Societies, 2005), instruction manual at <http://hsci.cas.ou.edu/images/mov/Shape.pdf>; available as online video at <http://hsci.cas.ou.edu/images/mov/Shape.mov>.
- “Stars over Ancient Babylon,” a 47-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in “The Cosmology and Cultures Project” (Oklahoma Baptist University

and the American Council of Learned Societies, 2005), instruction manual at <http://hsci.cas.ou.edu/images/mov/Babylon.pdf>; available as online video at <http://hsci.cas.ou.edu/images/mov/Babylon.mov>.

Publications — Specialist writing

- Kerry V. Magruder, "Global Visions and the Establishment of Theories of the Earth," *Centaurus* 2006, 48:234-257.
- Kerry V. Magruder, "Understanding a Contested Print Tradition: Bourguet's Mosaic, Platonic and Aristotelian Theories of the Earth," *The Compass* (accepted for publication; forthcoming with an imprint date of December 2008).
- Kerry V. Magruder, "Thomas Burnet, Biblical Idiom, and 17th-Century Theories of the Earth," in Jitse M. van der Meer and Scott Mandelbrote, eds., *Nature and Scripture in the Abrahamic Religions: Up to 1700*, Brill's Series in Church History, no. 36 (Leiden: Brill, 2008), 2 vols., vol. 2, pp. 451-490.
- Kerry V. Magruder, "The Idiom of a Six Day Creation and Global Depictions in Theories of the Earth," in Martina Kölb-Ebert, ed., *Geology and Religion: Historical Views of an Intense Relationship between Harmony and Hostility*, Geological Society of London Special Publications, no. 310 (London: The Geological Society of London, 2009), 49-66.
- Kerry V. Magruder, "Jesuit Science after Galileo: The Cosmology of Gabriele Beati," *Centaurus* 2009, 51: 189-212.

Reviews

- Review of Martin J. S. Rudwick, "Geology and Genesis: A Historical Perspective on the Interaction of Two Historical Sciences" (Baylor University, 2005) In *INHIGEO Newsletter* (published by the International Commission on the History of Geological Sciences), 2006.
- Essay review of A. C. Crombie, *Styles of Scientific Thinking in the Western Tradition*. In *The Sixteenth Century Journal*, 1995, 26: 406-410.
- Review of Albert V. Carozzi and Marguerite Carozzi, *Reevaluation of Pallas' Theory of the Earth*. Geneve: Societe de Physique et d'Histoire naturelle, 1991, in *Earth Sciences History* (journal of the History of Earth Sciences Society), 1994, 13: 190-191.
- Review of Dennis R. Dean, *James Hutton and the History of Geology*. Ithaca: Cornell University Press, 1992, in *INHIGEO Newsletter* (published by the International Commission on the History of Geological Sciences), no. 25, for 1992 (issued 1993), pp. 38-39.

Exhibits, History of Science Collections

- "Before Vesalius: Classical Texts, *Materia Medica*, Astrology, Art and Anatomy in Renaissance Medicine," Fall 2001
- "Euclid of Alexandria, Megara, Gela, Damascus, Tyre, Baghdad, Maragha, Venice, Paris, London, Rome, Basel, and the Moon," Spring 2002
- "Galileo and the Academy of the Lynx," Fall 2002
- "A Geologist in His Den: William Buckland's lectures at Oxford in 1823," Spring 2003
- "Meteorology: A Meeting Place of Many Disciplines," Spring 2004
- "Questioning the Stony Ichthyolites: An Exhibit for the 2004 Joint Conference of the American Society of Ichthyologists and Herpetologists," Summer 2004

“Recent Acquisitions of the History of Science Collections,” Fall 2004
“Insect Portraits,” Summer 2005
“Copernicus and his Revolutions: In honor of Owen Gingerich,” September 2006
Prepared exhibits for football home game days, Fall semesters of 2006 and 2008
 “By the Hand of...; manuscripts in the History of Science Collections,” Summer 2006
 “Skeletons, Monsters, Witches and More: A Halloween Exhibit,” October 2006
 “Thanksgiving Dinner with all the fixin’s,” November 2006
 “Winter Holidays!” December 2006
“Women’s Contributions to the Scientific Enterprise,” with Marilyn Ogilvie, Spring 2007
“Before the *Origin*: The Early Works of Charles Darwin,” Spring 2009
Consultant for Huntington Library exhibition “Beautiful Science: Ideas that Changed the World”;
 onsite visit (6/11/08-6/13/08); with regular correspondence up through attendance at
 opening ceremony and banquet (10/31/08).

Member, Graduate Student Committees

Tony Yates, PhD Science Education, pending
Leslie John Flanagan, PhD Fine Arts, pending
Julie Grissom, PhD History of Science, pending
Geary Crofford, PhD Science Education, pending
Melissa Rickman, PhD History of Science, pending (co-chair)
Jason Oakes, PhD Philosophy, pending
Carrie Miller, PhD Zoology, pending
Matt Stock, PhD Fine Arts, pending
Henry Zepeda, MA History of Science, pending
J Harvey, MA History of Science, Summer 2009
Julia Daine, MA Museum Studies, Spring 2008 (chair)
Rick Tison, PhD History of Science, Spring 2008
Dan Vincent, PhD Science Education, Spring 2006
Ryan Powell, MA History of Science, Fall 2004
Melissa Rickman, MA History of Science, Fall 2003
Kelly Lankford, PhD History, 2003
Darcy LeFevre, MA History of Science, 2002
Kathleen Tierney, MA History of Science, 2001

Honors, Grants, Awards

- Election to membership in INHIGEO, the International Commission for the History of the Geosciences, Fall 2004 (one of 11 American members).
- Received \$3000 in Fall 2004 from the College of Arts and Sciences for a Proposal for Development of an Online Course (HSCI 3013).
- Received \$18,300 in Summer 2006 as Co-Principal Investigator, with Stephen Weldon, of a College of Arts and Sciences IT grant to digitize images useful for teaching. The budget funded a Graduate Assistant in the History of Science Collections (2006-07) under my supervision.

Service

University of Oklahoma Libraries

- 2004-2009: Facilitate the research of over 40 residential scholars who hold research privileges in the History of Science Collections, and assist non-residential visiting scholars (including 6-10 Mellon Travel Fellows per year).
- 2004-2009: Facilitate the History of Science Collections' hosting of production of the History of Science Society's annual *Isis Critical Bibliography* under the direction of Ass't Prof. Stephen Weldon and three graduate assistants.
- Member, University Libraries committees (Technology Liason, Collection Development).
- Provide several dozen presentations per year to classes in the History of Science Collections and to off-campus classes and adult groups (example: "Treasures of the History of Science Collections," invited banquet speaker for the Friends of the Library, University of Science & Arts of Oklahoma in Chickasha, May 9, 2006).
- Provide an average of over 70 tours of the History of Science Collections per year to campus guests.
- Faculty sponsor, Sooner Mac User Group, 2005-2007.

University of Oklahoma

- 2005-06: Voting member, History of Science Department faculty search committee; Jamil Ragep, chair.
- 2006-07: Voting member, History of Science Department faculty search committee; Steven J. Livesey, chair. Filled three faculty positions for the History of Science Department.
- Spring 2006: Member, Graduate College Dissertation Awards Committee to select the outstanding humanities doctoral dissertation of 2005; chaired by Diana Beal.
- Spring and Summer 2006: Member, Renaissance Project planning committee for the 2006-2007 "Science, Technology and Ethics" campus-wide emphasis, chaired by Robert Con Davis-Undiano.
- 2007-2008: Darwin 2009 Project planning committee; organizing member and co-chair.
- 2007-2009: Chair, Organizational Support Committee, History of Science Department.
- 2008-2009: Member, Committee A, History of Science Department.
- Spring 2008: Member, Graduate College Dissertation Awards Committee to select the outstanding humanities doctoral dissertation of 2007; chaired by Janis Paul.

Professional

- International Commission for History of the Geosciences (INHIGEO, 1 of 11 elected members from USA).
- 2008-2009: Secretary, History of the Earth Sciences Society (HESS).
- 2006-2007: Program Officer, History of the Earth Sciences Society (HESS). Organized and moderated a session on "Government and the Earth Sciences" at the HSS annual convention in Washington, D.C., November 1-4, 2007. The session was sponsored by HESS. Acceptance of sessions was competitive; the session was approved by HSS in May 2007.
- Provide 20,000 print-quality images at <http://hsci.ou.edu/galleries/>; with browsing of thumbnail, portrait and book galleries.