

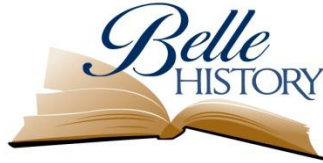
MARK D. BOWLES, PH.D.

Curriculum Vitae

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Education:

- Ph.D. History of Science, Technology, Environment, and Medicine. Case Western Reserve University, January 1999.
- M.B.A. Technology Management, University of Phoenix, 2005.
- M.A. History, University of Akron, December 1993.
- B.A. Psychology, University of Akron, December 1991.

Employment:

- Professor of History, American Public University System. 2009 to present.
- Founder, Belle History, LLC, 2007 to present.
- Principal and Vice President of Administration, Tech Pro, Inc., 2004-2008. Played a chief role in selling the firm to a Fortune 1000 company.
- Co-Founder and Vice President, History Enterprises, Inc., 1996-2004. The company was a winner of a prestigious Weatherhead 100 Award for Outstanding Growth Company in 2003. This is an annual award given to the fastest growing companies in Northeast Ohio, based on a five year evaluation period.

Books Authored or Co-Authored:

- *Digital Literacy*, by Mark D. Bowles (San Diego, California: Bridgepoint Education, forthcoming 2013).
- *Science and Culture*, by Mark D. Bowles and Barbara Kaplan, (San Diego, California: Bridgepoint Education, 2012).
- *The End of Isolation: U.S. History from 1865 to the Present*, by Mark D. Bowles (San Diego, California: Bridgepoint Education, 2011).
- *Computer Literacy*, by Mark D. Bowles (San Diego, California: Bridgepoint Education, 2010).
- *The "Apollo" of Aeronautics: NASA's Aircraft Energy Efficiency Program, 1973-1987*, by Mark D. Bowles. (Washington, DC: National Aeronautics and Space Administration, 2009).
- *Chains of Opportunity: The University of Akron and the Emergence of the Polymer Age, 1909-2007*, by Mark D. Bowles (Akron, Ohio: University of Akron Press, August 2008).

- *Tradition and Transformation: A History of Educating Girls at Hathaway Brown School, 1876-2006*, by Virginia P. Dawson and Mark D. Bowles (Cleveland, Ohio: HB Press, 2007).
- *Science in Flux: NASA's Nuclear Program at Plum Brook Station, 1995-2005*, by Mark D. Bowles (Washington, DC: NASA, 2006).
- *Realizing the Dream of Flight: Biographical Essays in Honor of the Centennial of Flight, 1903-2003*, edited by Virginia P. Dawson and Mark D. Bowles (Washington, DC: NASA, 2005).
- *Taming Liquid Hydrogen: The Centaur Upper Stage Rocket, 1958-2002*, by Virginia P. Dawson and Mark D. Bowles (Washington, DC: NASA, 2004).
- *NASA's Nuclear Frontier: The Plum Brook Reactor Facility*, by Mark D. Bowles and Robert S. Arrighi (Washington, DC: NASA, 2004).
- *With One Voice: The Association of American Medical Colleges, 1876-2002*, by Mark D. Bowles and Virginia P. Dawson (Washington, DC: AAMC, 2003).
- *Our Healing Mission: Saint Francis Hospital and Medical Center*, by Mark D. Bowles (Hartford, Connecticut: Dix & Eaton, 2003).
- *Surgery, Subspecialization, and Science: A History of Urology at the Cleveland Clinic*, by Mark D. Bowles and Virginia P. Dawson (Cleveland, Ohio: CCF, 2001).

Online Courses Taught: (This includes over 200 graduate and undergraduate courses in the following Learning Management Systems: Sakai, eCollege, Blackboard, Educator, and Moodle. The courses and universities include.

- American Public University System, 2009 to present. Graduate Program in History and Military Studies.
 - History of Science (HIST 586)
 - Historiography (HIST 501)
 - Graduate Seminar in History (HIST 520)
 - US in the 20th Century (HIST 555)
 - History and Popular Culture (HIST 557)
 - Master's Comprehensive Exam (HIST 698)
 - Master's Thesis Preparation (HIST 691)
 - Master's Thesis (HIST 699)
- City University of Seattle, 2009 to present. MBA program and undergraduates.
 - Information Technology Ethics (IS 471)
 - Leveraging Emerging Technology (ITMGMT 565)
 - Global Responsibility (ITMGMT 550)
- University of Advancing Technology, 2009 to present. Undergraduate program
 - History of Technology (HIS 305)
 - Ancient Greek Warfare (HIS 335)
- Ashford University, 2008 to present. Undergraduate program
 - United States History since 1865 (HIS 204)
 - Visual Literacy in Business (CGD 218)
 - U.S. Constitution (HIS 303)
 - Anthropology (ANT 101)

- Abilene Christian University, 2008. MBA program
 - Organizational Behavior (MGMT 636)

Conference Papers, Public Lectures, Digital Lectures and Webcasts:

- “The Cold War,” Bridgepoint Education, digital video, June 2012.
- “The Digital Culture,” Bridgepoint Education, digital video, May 2012, <https://vimeo.com/42638751>.
- “World War I and World War II,” Bridgepoint Education, digital video, May 2012, <https://vimeo.com/42712304>.
- “The Industrial Age,” Bridgepoint Education, digital video, April 2012, <https://vimeo.com/40257121>.
- “How NASA Changed the Future of Aircraft Energy Efficiency,” American Public University, webcast, April 2011, <https://vimeo.com/23784892>.
- “The Apollo of Aeronautics,” Distinguished Lecture, Ohio Aerospace Institute, January 2011.
- Session Chair, Entrepreneurship and Technological Change, Business History Conference, Cleveland, Ohio 2007.
- “Science in Flux,” Lecture Series, NASA-Glenn Research Center, 2006.
- “Plum Brook Nuclear Reactor,” Saint Stevens AME Church, Sandusky, Ohio, January 2002.
- “Public History for Profit,” Historical Methods guest lecture, Case Western Reserve University, 2001.
- “Wings to Fly Away,” Hathaway Brown School, Cleveland, Ohio, May 2001.
- “Architectural History At Hathaway Brown School,” Hathaway Brown School, Cleveland, Ohio, May 2000.
- “Working Outside Academe,” *The Society for the History of Technology* Conference, Detroit, Michigan, October 1999.
- “The Information Explosion,” *History Associates* presentation, Cleveland, Ohio, January 1999.
- “Science in Crisis: The Conflict Over Information Retrieval, 1945-1963,” *Conference on the History and Heritage of Science Information Systems*, Pittsburgh, Pennsylvania, October 1998.
- “Communism and Congressman Frances Payne Bolton, 1940-1968,” *Western Reserve Studies Symposium*, Cleveland, Ohio, October 1998.
- “The ‘Information Frontier’: Library Computing in the Fifties and Nineties,” *Symposium on Computers and History—The Future of History in the Electronic Age*, Cincinnati, Ohio, May 1997.
- “Project Managers as Brokers: NASA’s Advanced Turboprop Project,” co-author, *The Society for the History of Technology* Conference, London, July 1996.
- “Cultural Conflict in the 1920s,” American History lecture, Case Western Reserve University, Cleveland, Ohio, 1996.
- “Birth of a Race: African-American film culture in the 1920s,” American History lecture, Case Western Reserve University, Cleveland, Ohio, 1996.

- “Opportunities and Obstacles in the Development of the British and American Differential Analyzers,” *The Society for the History of Technology* Conference, Lowell, Massachusetts, October 1994.

Refereed Articles, Book Chapters, and Book Reviews:

- Book review of *Technology for Modeling*, by Charles Care, *Annals of the History of Computing*, 2012
- “Foreword,” for *Distributed Team Collaboration in Organizations: Emerging Tools and Practices*, ed. Kathy Milhauser (Pennsylvania: IGI Global, 2011).
- “Eclipsed by Tragedy: A History of Shuttle/Centaur,” *To Reach the High Frontier: Case Studies in Launch Vehicle History*, ed. Roger Launius (Washington, D.C.: NASA, 2002).
- “Liquefying Information: Controlling the Flood in the Cold War and Beyond,” *Cultures of Control in the Machine Age*, ed. Miriam Levin (Harwood Academic Publishers, 2000).
- “John Fries Frasier,” *American National Biography* General ed. John A. Garraty, Vol. 8. New York, NY [u.a.]: Oxford University Press, 1999.
- “The Information Wars: Two Cultures and the Conflict in Information Retrieval, 1945-1999,” *History and Heritage of Science Information Systems*, ed. Mary Ellen Bowden, Trudi Bellardo Hahn, and Robert V. Williams (Medford, NJ: Information Today, Inc., 1999).
- “The Organization Man Goes to College: AT&T’s Experiment in Humanistic Education, 1953-1960,” *The Historian* 61, 1 (Fall 1998): 15-31.
- “The Advanced Turboprop Project: Radical Innovation in a Conservative Environment,” co-author, *From Engineering Science to Space Science*, ed. Pamela E. Mack, (Washington, D.C.: NASA SP-4219, 1998), 321-344.
- “American Technological Enthusiasm and British Technological Skepticism in the Age of the Analog Brain,” *IEEE: Annals of the History of Computing* 18, 4 (October-December 1996): 5-15.

Fellowships, Awards and Honors:

- 2010 Outstanding Faculty of the Year, American Public University System.
- 2010 American Institute of Aeronautics and Astronautics History Manuscript Award, for *The "Apollo" of Aeronautics*.
- 2005 American Institute of Aeronautics and Astronautics History Manuscript Award, for *Science in Flux*.
- 2004 American Institute of Aeronautics and Astronautics History Manuscript Award, for *Taming Liquid Hydrogen*.
- Telly Award for Outstanding Non-Network Video Production, 2001.
- Crystal Award of Excellence, The Communicator Awards Video Competition, 2000.
- Jane and Cecil Lyman Prize for Dissertation Excellence in History, CWRU 1999.
- Chemical Heritage Foundation grant, 1998.
- The Adelle and Erwin Tomash Fellowship in the History of Information Processing, 1997-1998, Charles Babbage Institute, The University of Minnesota.
- Carl Ubbelohde Prize for Teaching, CWRU 1997.
- Outstanding Achievement Graduate Student Award, CWRU 1996.

- “With Distinction” honors for Ph.D. examination fields (history of science, history of technology, U.S. history, African-American studies and literary criticism), 1995.
- Young Scholar Travel Grant, Society for the History of Technology, 1994.
- Phi Alpha Theta, Delta Chi Chapter, 1993.
- Full Ph.D. Tuition Scholarship, CWRU, 1993-1999.

Current University Service:

- Pilot Faculty, transition to Sakai Learning Management System, 2010.
- Advanced Studies Leadership Team, American Public University System, 2010.

Current Professional Memberships:

- Organization of American Historians
- History of Science Society

Archives/Museum Projects:

- Codman Letters digitization project, 2008.
- Western Reserve Historical Society’s museum digitization project, 1998-2001.
- Akron Rubber Development Laboratory database project, 1999-2001.
- Huron Road Hospital archives, 2000.
- The Temple Tifereth Israel archives, 1999.
- Davey Tree Company archives, 1999.
- Southepointe Hospital archives, 1998-1999.
- Hathaway Brown School archives, 1998-2000.
- Heinen’s Fine Foods archives, 1997.
- Myers Industries archives, 1996.

Historical Multimedia Work:

- *Enduring Visions*, photo researcher for a documentary project. Telos and Princeton University. 2010.
- *Polymer Chemistry Ph.D. 50th Anniversary*, director and provided historical content, multimedia DVD, University of Akron, 2006.
- *Of Ashes and Atoms*, documentary, historian and interviewer, 2002-2003.
- *125 Years at Hathaway Brown School*, video documentary co-author, 2001.
- *Taming Liquid Hydrogen*, director and provided historical content, multimedia CD, NASA, 2001.
- *Reaching Out for Liberty and Light: The Life of Frances Payne Bolton, 1885-1977*, documentary co-author, 2000.
- *75 Years of Nursing Leadership*, documentary co-author, 1997.