

CURRICULUM VITÆ - PHILIP L. FRANA

The Honors College
University of Central Arkansas
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Conway, AR 72034
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CURRENT APPOINTMENTS:

University of Central Arkansas, Director of Undergraduate Research, Honors College
(Summer 2010-)
University of Central Arkansas, Assistant Professor, Honors College (Fall 2004-)

PAST APPOINTMENTS:

University of Central Arkansas, Assistant Director, Honors College (Spring 2006-
Summer 2010)
University of Central Arkansas, Coordinator of Honors Undergraduate Research
(Fall 2005-Summer 2010)
University of Minnesota, Research Fellow, Charles Babbage Institute (Fall 2003-
Summer 2004)
University of Minnesota, Project Manager & National Science Foundation Post-Doctoral
Fellow, Charles Babbage Institute (Spring 2000-Fall 2003)
Iowa State University, Visiting Assistant Professor, History Department (Fall 1999-
Spring 2000)
William Penn University, Instructor, AALS Degree Program, College for Working Adults
(various semesters, 1998 and 1999)
Iowa State University, Instructor, History Department (various semesters, Fall 1996-
Fall 1999)
Iowa State University, Teaching Assistant, History Department (Spring 1994-
Summer 1998)

COMPLEMENTARY EXPERIENCE:

Member, UCA Retention Committee (2007-2012)
Member, National Collegiate Honors Council Program Committee (2007, 2009)
Member, National Collegiate Honors Council Research Committee (2007, 2008)
Chair, Technology Committee, National Collegiate Honors Council (2004, 2005, 2006)
Founding Editor and Associate Editor, *Iterations: An Interdisciplinary Journal of
Software History* (ISSN 1541-843X), Charles Babbage Institute
(Spring 2000-Fall 2004)
Collaborator, LOCKSS Humanities Alliance (sponsor, Stanford University, Summer
2004)
Consultant on Public Health Issues, Shook, Hardy & Bacon LLP (Summer 1999-
Summer 2000)
Judge, National History Day (1995, 1999)
Research Assistant, Iowa State University, Parks Library (Spring 1992-Fall 1994)
Interpreter, Living History Farms Outdoor Museum (Summer 1990)

EDUCATION:

- Ph.D. History of Technology and Science, Iowa State University, Ames, IA
December 1999
Dissertation title - *Coordinating the Experts and the Masses: The Professions of Health and the Creation of American Community Health, 1915-1940*
- M.A. History of Technology and Science, Iowa State University, Ames, IA
December 1995
Secondary Teaching Certification, Iowa State University, Ames, IA
May 1993 Areas - American History, Economics, World History
- B.A. History and Economics, Wartburg College, Waverly, IA
May 1991 Summa Cum Laude/Valedictorian

INDEPENDENTLY TAUGHT UNDERGRADUATE AND GRADUATE COURSES:

Undergraduate Lower Division: Honors Core I: The Search for Self, Honors Core II: The Search for Community, Introduction to Western Civilization II, Introduction to World Civilization, Survey of United States History I, Survey of United States History II, Introduction to the History of Technology and Engineering I, Introduction to the History of Technology and Engineering II, Honors Core III: The Artificial Other, Honors Core III: The Virtual Other; Honors Core IV: Art, Technology, and Ideas.

Undergraduate Upper Division: Cultural Heritage of the Modern World, Darwin's Evolving Science and the Darwinian Heritage, History of the Life Sciences and Medicine, The Law & the Lawless, Strange Communities, Trusting Technology in the Information Age, Honors Oxford Tutorial, Honors Thesis, Honors Senior Seminar in Global Studies, Online Communities, Hacking into Life.

Graduate: Seminar in General History of Technology

Class Descriptions:

Opening Windows on New Worlds: Journeys into Virtual World Design and Development

The future of civilization is being pioneered today by game designers who are creating alternative, virtual worlds for humanity that resemble our own reality. They may even be dictating how our "real world" functions. Explore what it takes to create and manage virtual worlds as well as govern their inhabitants. Learn how to create a world for everyone, how player vs. creator governance works, the politics and economics of "fun," and the social implications of virtual worlds today and in the future. All students are welcome; no prior experience with gaming or online role playing is required.

Strange Communities: The Secret Lives of Gangs, Monks, Wikifolk, and Other Unusual Tribes

We tend to think of community as the fuzzy, friendly altruism of neighbors – or perhaps as the dead weight of traditions and folkways. But all around us people engage in weird roleplay that determines our social universals. Much of it passes as normal conduct. Gangs may be outside the law, but they're far from anarchic; to their members, they function as support group, school, and

justice system all in one. When a group of men (or women) withdraw from society to live out their lives in solitary, maybe even silent, devotion to God, there are powerful motivations and consequences for that choice. And online, millions participate in forms of community, with similarities to and differences from meatspace communities that we are only beginning to appreciate. Come join us for a wide-ranging, intensely collaborative, highly experimental exploration of these and other strange communities – and maybe the formation of one of our own!

Hacking into Life: Has the Ideology, Culture, and Tools of Computing Altered Your Worldview?

The first commandment of the hacker is “information-sharing is a powerful positive good.” Hackers are duty-bound to share their expertise by writing open-source code and facilitating access to computing resources whenever and wherever possible. In other words, *information wants to be free*. What is it about today’s hacker counterculture that makes it so cool? Who are the razor girls, script kiddies, gargoyles, and net cowboys? Who are their opponents and what are their methods? How has the war for cybersecurity shaped the world around us? In this seminar, we’ll examine the ultimate leet other: the programmer. We’ll examine her ideas, habits, fashion, socioeconomic success, and history through close readings of nonfiction and fiction.

The Law and the Lawless: Adventures on the Cyberspace Frontier

Privacy is an outdated notion. Unlike the frontier of the past where one could pull up stakes, head west, and begin a new life, second chances and new beginnings are no longer possible. You cannot escape your past – at least your digital past. That “cool” picture of you holding a loaded bong on Facebook might one day prevent you from getting a job, that big promotion, or even a bank loan. Moreover, advances in national security surveillance technologies, along with weakened legal restraints that protect our privacy have us moving toward a surveillance society. The government’s access to your personal information begins with the thousands of databases it maintains on the lives of Americans. Unfortunately, it doesn’t end there. The Information Age at once creates opportunities for communication and global interaction as never before and, at the same time, threatens privacy and civil liberties in a host of new and dangerous ways. This course will look at the assault on privacy and civil liberties taking place right now. You are probably unaware of many of the violations. Some questions we will address are: What will the surveillance society be like? Do we really want to live in a society where every action is monitored, recorded, and archived? Where is the line to be drawn? What are the consequences for democracy? Can we have both security and liberty? Or must we live in perpetual fear of losing both? What, if anything, can be done to thwart the destruction of our privacy and liberties? Or ... is it already too late?

Honors Core IV: Art, Technology, and Ideas

Ever wonder what the most fundamental notions are that drive civilizations? Why exactly is ancient Egypt’s landscape dominated by pyramids, while the High Middle Ages is known for their cathedral building? How did pointillism emerge in the nineteenth century and postmodernism in the twentieth? Could

it have happened any other way? This interdisciplinary course is all-encompassing. It is designed to explore the common threads in social and scientific thought, technological invention and innovation, and composition in literature and the arts from ancient times to the present. It will advance the proposition that creative activity in the sciences, philosophy, engineering, music, painting, architecture, and politics contributed to the formation of a series of coherent, cohesive Western world views.

The Virtual Other in Interactive Fiction

How many worlds have you saved? How many identities have you assumed? How many times did you die jumping that chasm? Jumping in and out of parallel universes, the art that gamers consume is strange. They travel to alternate worlds, just like myriad bookworms and movie buffs; but these worlds are experienced in a truly unique way: they are interactive, which makes the games experience the product of both the creator and the consumer (to an ever-increasing degree), providing a unique perspective into our experience of the other. In this class, we will survey, as broadly as possible, the realm of single-player video games. We will run the gamut of interactive computerized fiction from text-based gaming like Zork and ADVENT (as well as modern works), to the classics of the 8- and 16-bit era, all the way up to the latest and greatest works for modern consoles. However, our survey won't be conducted in chronological order. Rather, we will split the class material into the study of various literary and artistic dimensions, and compare and contrast said dimension's implementations across generational gaps.

Online Communities: Technology, Values, Folkways

The Online Forum has fundamentally changed the experience of community in the Honors College since its inception in 2003. In this team-taught course, students will investigate the nature of online communities, using our own Online Forum as our experimental laboratory. What problems have online communities needed to solve? What brings communities together in the virtual world, and what binds members to each other? How do technological tools and interfaces -- the "built environment" of online communities -- change the human interactions that take place therein, and vice versa? Students will envision the future of the Online Forum as it evolves into HCOL, the integrated online Honors environment. Project teams will have a chance to investigate problems, solutions, and improvements by sifting the web and RL (real life) for similar or analogous cases. At the course's culmination, these teams will propose designs and techniques for implementing the next generation of the Honors online community. This course is a chance for students to shape the system that is affecting us now, and will continue to affect future Honors generations.

Senior Seminar in Global Studies

The twentieth century witnessed the establishment of three mass utopian experiments: Nazi eugenic fascism, Soviet central planning, and Western democratic capitalism. Two of these utopias have already collapsed. So far, the invisible hand of the global information economy has preserved the third. But in a world of insatiable appetites which will it be: bliss or ... abyss? Can critics of an American-style global economy be taken seriously? Texts include

Joseph Stiglitz's *Globalization and Its Discontents*, Jagdish Bhagwati's *In Defense of Globalization*, Francis Fukuyama's *Our Posthuman Future: Consequences of the Biotechnology Revolution*; and Robert Klitgaard's *Tropical Gangsters: One Man's Experience with Development and Decadence in Deepest Africa*.

Oral Narrative, Community Memory, and History

Interested in life histories of important people in your community? Want to make your voice heard? Wondering what to do for your senior thesis project? This course focuses on the collection, analysis, and use of oral histories as primary sources for scholarly study, capturing community memory, and curriculum development. The course is divided topically into several overlapping areas of study: basic ethnographic fieldwork and historical analysis; approaches to memory; instructional and interpretive strategies; interviewing, editing, and documenting; folk study; archives; public uses; oral history and new media; and the new oral history of business, technology, and industry. Texts are Donald Ritchie's *Doing Oral History*, Ronald Grele's, *Envelopes of Sound*, and David Kyvig and Myron Marty's *Nearby History: Exploring the Past Around You*.

Honors Core III: The Artificial Other

Machines think—and often like people. Computers wrote the Book of Life. Androids need inner lives for transcendent minds. Humans are cyborgs—polyglot, informed, and artificial. Could a computer really be creative? Is computational complexity theory the right way to approach ultimate questions of free will and omnipotence? Is there such a thing as robot rights? Might we replace our brains with electronic circuits? Will machines ever dream for us? This class will challenge you to reexamine your core assumptions about the "Artificial Other." Topics to address are all manner of simulacra and automata, including artificial intelligence, cybernetics, virtuality, artificial life, the Turing Test, distributed cognition, bioinformatics, expert systems, nanotechnology, cyborgs, and of course, Squee—the electronic robot squirrel. Likely texts are Katherine Hayles' *How We Became Posthuman*, Pamela McCorduck's *Machines Who Think*, Hans Moravec's *Robot*, and the anthology *Are We Spiritual Machines?* We will also look at human expressions of the Artificial Other in fiction and film.

Darwin's Evolving Science and the Darwinian Heritage

Did the Devil Make Darwin Do It? In his youth Darwin accepted the idea of intelligent design: that nature in its splendor derived from the work of an eternal Watchmaker. On the famous *Beagle* voyage he began to have doubts: Why do Galapagos mockingbirds differ slightly from island to island? What causes the formation of living coral atolls? Why do animals become extinct and where do their replacements come from? What is the answer to the "mystery of mysteries"—the law governing species change? *Was Darwin Afraid to Die?* A lifetime of work on the species problem convinced Darwin of haphazard evolution, an environment that caused species change, and human descent from a "hairy, tailed quadruped, probably arboreal in its habits." In the process he discovered an animal kingdom red in tooth and claw—

dependent on pain and suffering for its very survival. *Was Darwin a Darwinist?* Darwin weakened the argument for evolution by natural selection soon after the publication of the *Origin of Species* (1859). In subsequent editions of the *Origin* and elsewhere Darwin advocated “use and disuse,” correlated variation, gemmules, and blending inheritance—explanations that compromised his own evolutionary theory. *Did Anyone Believe Him?* Were scientists immediately convinced of the truth of natural selection? Did Darwin really provoke a war between religion and science in America? Do Christian fundamentalists generally dislike science because of Darwin? Join us and find out. Likely texts are Adrian Desmond and James Moore’s *Darwin: Life of a Tormented Evolutionist*, Michael Ruse’s *Darwin and Design: Does Evolution Have a Purpose?* and Ronald Number’s *Darwinism Comes to America*. Students will also read selections from Darwin’s work, including his *Autobiography*, the *Origin*, and *Descent of Man*.

Trusting Technology in the Information Age

How dependent are we on computer systems and computer decision-making? What do telemarketers and data warehousing companies know about you? Is too much privacy bad for your health? Students in this course will probe the origins and consequences of hacking, identity theft, cyberterrorism, cryptography, spyware, and other privacy and security concerns of our Information Age. Topics to include applications of state-of-the-art technologies in commerce, national security, and democracy; and the social responsibility of science and engineering. Historical perspectives on the rise of amateur photography, secrecy systems, wiretapping, and SDI (Star Wars). Texts: Ellen Ullman’s *Close to the Machine: Technophilia and Its Discontents*, Laura Gurak’s *Persuasion and Privacy in Cyberspace*, Paul Edwards’ *The Closed World: Computers and the Politics of Discourse in Cold War America*, the short story Sam Hall by science fiction writer Poul Anderson, and other primary sources.

Honors Oxford Tutorial

All universities are populated with students and teachers drawing from a shared well of knowledge that is constantly being refilled. The Honors College has put together this course to engage you in helping to replenish this well. Competence will be made manifest by addressing common problems in scholarly research, and accepting the gentle guidance of a handpicked faculty tutor. One purpose of the Oxford Tutorial is to provide an opportunity for you and a faculty member to explore a topic of shared interest together. Another is to explore representative standards for research. To this end, weekly class meetings will help you to define a paper topic from preliminary research, utilize bibliographic databases and serials catalogs, shelf-read for works in print and surf to appropriate electronic texts, locate relevant specialized reference works and professional journals, develop strategies for uncovering primary and unconventional sources of research, rigorously evaluate primary and secondary sources, organize notes, shape an insightful, original thesis statement, master writing and citation styles, avoid plagiarism and ethical lapses in the conduct of research, locate grant funding and outlets for publication, enjoy interdisciplinary research as a vocation.

Honors Thesis

This course has been developed to motivate, support, and polish your Honors College Undergraduate Thesis. The course centerpiece is the weekly workshop. The workshop is a time to review work-in-progress in a convivial setting, and to prepare for the Honors Thesis presentation during Finals Week. Successful Honors graduates will demonstrate skill and authority in participating in a community of scholars, preparing and completing a thesis, and orally defending a thesis.

Honors Core I: The Search for Self

Three capacities, above all, are essential to the cultivation of humanity in today's world. First is the capacity for critical examination of oneself and one's traditions—for living what, following Socrates, we may call "the examined life." The second is an ability to see ourselves not simply as citizens of some local region or group, but also, and above all, as human beings bound to all other human beings by ties of recognition and concern. The third is an ability to think what it might be like to be in the shoes of a person different from oneself, to be an intelligent reader of that person's story, and to understand the emotions and wishes and desires that someone so placed might have.

Honors Core II: The Search for Community

The second of the Human Search core courses, it is aimed at first-year Honors Scholars or those new to the program. The Search for Community is a critical study of a variety of views on the nature of society drawn from various disciplines and cultures. Course will focus on societal formation and the institutional practices that circumscribe our lives.

Introduction to Western Civilization II

Western civilization from 1500 to present. Social and cultural developments; economic and political ideas and institutions; problems of historical change and continuity.

Introduction to World Civilization

Aims both to inculcate general knowledge about the development and diffusion of civilization and to foster an appreciation that such knowledge is vitally important to understanding our modern world.

Survey of United States History I

Colonial foundations: revolution, confederation, and constitution; nationalism and democracy; sectional disunity, Civil War, and reunion.

Survey of United States History II

Industrialization; emergence as a great power; boom and depression; war, internationalism and Cold War; modern industrial society.

Cultural Heritage of the Modern World

Examination of parallel formal and structural elements in scientific and social thinking, technological design, and composition in literature and the arts from the late medieval period to the 20th century.

Introduction to the History of Technology and Engineering I

Technology in various civilizations from Sumer and Egypt to early 18th century Europe. Cross-listed with mechanical engineering.

Introduction to the History of Technology and Engineering II

Technology in Western world in nineteenth and twentieth centuries. Cross-listed with mechanical engineering.

History of the Life Sciences and Medicine

Emergence of human sciences and technologies—medicine, physiology, cytology, public health, and social sciences—in the social and cultural context of Western world.

Seminar in General History of Technology

The history of technology from pre-classical civilizations to the eve of the Industrial Revolution, and from the Industrial Revolution to modern times. Emphasis on the historical literature, varying interpretations of the period, and problems for continuing research.

CURRENT RESEARCH:

- "A History of Acxiom," for *IEEE Annals of the History of Computing* (submitted).
- "Little Rock's Urban Renaissance, 1950-2000," for *Journal of Planning History* (submitted).
- "Calculating Care: Evidence, Computers, and Medicine in America, 1890-1990," (book manuscript).
- "Silicon Valley to Silicon Glen: Software Development in Scotland, 1970-present," (article manuscript).
- "Graphics on the Great Plains: Lamb & Company," (article manuscript).
- "Computing in Children's Literature," organizer of session proposal with Lois Ann McElroy Lindell of the University of Northern Iowa (on Economics) and John Sisson of UC Irvine (on Space Flight in Children's Literature).

GRANT SUBMISSIONS AND CONTRACT PROJECTS:

- Challenge Week 2010 - Chris Gjorgievski on Government Corruption (October 14, 2010) - \$4,250
- Website for the Southern Regional Honors Council* (\$2,000 awarded annually; 2007-)
- Amanda Dougherty, "Gender Styles in Online Academic Communities," Student Undergraduate Research Fellowship (\$3,942; awarded November 28, 2005).
- History of Medical Informatics at Mayo Clinic*, Mayo Foundation (approved December 2003)
- Unlocking the Past of IT Privacy and Security*, NEH Reference Materials Grant (\$336,000) - primary author; received 5 excellent/must funds

Building a Future for Software History, NSF Grant #9979981 (\$488,000; awarded 1999)—project manager—project received special commendation for contributions to new research and scholarly communication by the National Science Foundation and the American Institutes for Research in its report to Congress on KDI activities. See http://207.238.28.149/nsf/ideas/new_know.html

FACULTY MENTORSHIP OF UNDERGRADUATE RESEARCH (THESES):

- David Wilkins, "Video Game Development in the U.S., Japan, and the E.U." (2011 Expected, advisor)
- Zachary Stallings, "Ludology" (2011 expected, advisor)
- Caroline Davis, "Equine Wound Care" (2010 expected, second reader)
- Matthew Ford, "Is God a Scientist or Is Science God? An Analysis of the Cosmological Argument for the Existence of God" (2010, second reader)
- Geoffrey Wright, "How Natural Is the Natural State? Sustainability in Arkansas Outdoor Recreation and Tourism" (2010, second reader)
- Rebecca Harvey, "Bridging the Divide: Real Life Wedding Planning in Second Life" (2010, advisor)
- Ellen Jeffus, "Green Restaurants" (2010 expected, second reader)
- Felecia Cagle, "The Psychology of Color" (2010, second reader)
- Allison Yocum, "Memories of Mississippi: An Oral History of Hurricane Katrina" (2009, second reader)
- Lacy Tyson, "Static Action: The Rise of Technological Literacy" (2009, second reader)
- Aaron Kopf, "He Said, She Said: The Effects of Gender on the Perception of Epic Individuals" (2009, second reader)
- Katie Roberts, "Explore Arkansas: A Model Business Plan for an Outdoor Adventure Outfitter" (2009, second reader)
- Rachel Layman, "Alternative Fuels: What Will It Take to Break the World's Addiction to Oil?" (2009, second reader)
- Seth Byers, "Science > Nationalism: The Ebb and Flow of High Energy Physics in America" (2009, advisor)
- Sam Grubb, "Virtual Worlds as Town Squares" (2008, advisor)
- Maegan Murphy, "We Try Harder: The History and Legacy of Creative Advertising" (2008, second reader)
- Holly Smith, "A Study of the Practical Applications of Thermocoustic Engines and Refrigerators" (2008, second reader)
- Hallie Templeton, "WWW—Where Weirdos Wander? The Mysterious Depths of Online Socialization" (2008, advisor)
- Anna Drinkwitz, "WWW—Where Weirdos Wander? The Mysterious Depths of Online Socialization" (2008, advisor)
- Jennifer Rullmann, "01101000: Notes from the Dark Side" (2008, advisor)
- Shin-Chiao Fang, "Domo Arigato, Mr. Ishiguro: The Rise of Machines in Japan and America" (2008, co-advisor)
- Miranda Mendenhall, "MySpace: Safety and Security for all Ages" (2007, advisor)
- Meaghan Dellar, "Being Scottish in England's Great Britain: Scotland's Identity and Political Future" (2007, advisor)
- Travis Henry, "Rootdiggers and Grannywomen: Do Folk Remedies Have Any Modern Medicinal Applications?" (2007, second reader)
- Jose Guzzardi, "The Politics of Seeking a Permanent Seat in the United Nations Security Council: An Analysis of the Cases of Brazil and Japan" (2007, second reader)

Aaron King, "From Knife Slinging to Sushi: Teppanyaki in America and the Invention of Tradition" (2007, second reader)

Michael Flanagan, "Using Technological Innovation to Improve the City of Conway, Arkansas" (2006, second reader)

Valerie Keith, "The University of Central Arkansas: A Quilted Centennial" (2006, second reader)

Mariama Balla, "A New Medical Specialist: Planning and Implementing a Hospitalist Service in a Central Arkansas Hospital" (2006, co-advisor)

Chris Luna, "Attack of the Atomic Alien Robot Communists! Or: Reflections on Cold War Science Fiction" (2006, second reader)

*Shannon Palmer, "Discourse and Dissension in the Autism Community: Who's Talking and Who's Listening?" (2006, second reader)

*Amanda Dougherty, "Gender Styles in Online Academic Communities" (2006, co-advisor)

Michael Herring, "Masterworks (On Video Games as Literature)" (2006, advisor)

Kristen Hill, "Democracy and Technology: How the Internet Promotes Political Participation" (2006, advisor)

Dustin Seaton, "In Search of a Common Ground: Double Consciousness in Progressive-Era America, 1880-1920" (2005, second reader)

Cody Cook, "The Heyday of the Art of Fly Tying: How the Evolution of Natural History is Tied into Trout Flies of the Victorian Era" (2004, second reader)

Amy Bozarth, "Creative Pen for Normal Men (and Women): A Poetic Praxis for Writing to Heal" (2005, co-advisor)

Brian Michael Allen, "Community Dynamics in the 21st Century: Exploring the Space between Real Life and Cyberspace in the UCA Honors Community" (2005, advisor)

Caleb Horne, "Colonization and Identity: An Online Course on Modern Congolese History" (2005, second reader)

* - Outstanding Honors Thesis award-winner

PEDAGOGICAL ASSISTANTS:

Jordan Karpe, Honors Core I: The Search for Self (Fall 2010)

Caroline Borden, Honors Core II: The Search for Community (Spring 2010)

Julie Storing, Honors Core I: The Search for Self (Fall 2009)

Felecia Cagle, Honors Core II: The Search for Community (Spring 2009)

Blake Bowman, Honors Core I: The Search for Self (Fall 2008)

Jordyn Haight, Honors Core II: The Search for Community (Spring 2008)

Patrick Taylor, Honors Core I: The Search for Self (Fall 2007)

Dawn Hughes, Honors Core II: The Search for Community (Spring 2007)

James Hyde, Honors Core I: The Search for Self (Fall 2006)

Bethany Teel, Honors Core II: The Search for Community (Spring 2006)

INDEPENDENT STUDY:

Max Sawyer, "Artificial Intelligence and Cognitive Science," (Fall 2010)

Genevieve Kimbrough, "Music and Technology," (Spring 2010)

David Wilkins, "Digital Play" (Spring 2010)

Josh Bramlett, "The George W. Bush Legacy" (Spring 2009)

Elizabeth Youngblood, "I Think I'm Turning Japanese: Oral Histories of UCA International Students" (Fall 2008)

Katelyn Johnson, "Australia Internships or Summer Programs" (Fall 2008)

Tori Green, "Correlation Between Employee Satisfaction and Productivity in IT" (Spring 2008)
Eric Deitz, "Oral History and Video Production" (Spring 2008)
Sydney Yeager, "Survey of Computer-Mediated Communications Use" (Fall 2007)
Laura Berbusse, "Creating the Marshallese Diaspora Identity in Northwest Arkansas: Oral Histories" (Fall 2007)
Jennifer Rullmann, "Hacking into Life" (Spring 2007)
Micah Glover, "Collegiate Band Music: Composers, Musicians, and the Audience" (Fall 2006)
Jennifer Rullmann, "The Honors Homebrew Club" (Summer 2006)
Trent Williams, "The Artificial Other in the Science Fiction of Robert J. Sawyer" (Fall 2005)
Maegan Dellar, "The Science of A.I." (Fall 2005)
Jennifer Rullmann, "The Science of A.I." (Spring 2005)

SPONSORED HIGH TABLES:

Luis Suazo, "Two Chalk Talks on Relativity Theory and Time Travel" (April 13 & April 15, 2009)
Rich Byers, "Biofuels for a New Economy" (April 1, 2009)
Chris Hackler, "The Right to Live and the Right to Die: Science or Politics at the End of Life?" (March 11, 2009)
Martha Jane Murray, "'Leaving No One Behind: Obama's Housing and Urban Development Priorities" (March 4, 2009)
Blake Rutherford, "Obama's Edge in High-Tech Politics" (February 18, 2009)
Bill Halter, "Promoting Information Technology and Biotechnology in Arkansas" (April 10, 2007)

SPONSORED YOUNG DEMOCRATS TALKS:

Phil Bartos, "The Obama Stimulus Package and Its Effect on the Delta Area in Arkansas" (March 12, 2009)
Phil Frana, "The Technological Agenda of the Obama Administration," (February 12, 2009)
Joe White and Gilbert Baker Debate (October 8, 2008)
Vic Snyder (2006, 2007, 2008)

VIRTUAL GUEST EXPERTS:

Karol Chandler-Ezell, cultural anthropologist (Fall 2008)
Betsy Singleton, pastor of Quapaw Quarter United Methodist Church (Fall 2008)
Miranda Mendenhall, social networking expert (Fall 2007)
Noel Murray, music & film critic (Fall 2007)
Bill Halter, Lt. Governor (Spring 2007)
April Ambrose, environmentalist (Fall 2006)
Gina Wilkins, author (Fall 2006)

SPONSORED SOAPBOXES:

Michael J. Hinds, "Ancient Awareness: An Answer to 2012" (December 3, 2010)
Brad Cameron and Amber Haydar, "Paris" (November 19, 2010)
Honors Core II class, "Honduras Help Summit" (November 12, 2010)

Cameron White, "The Power of Comics" (November 5, 2010)
 Jordan Meinzer, "Nasty Grammar" (October 15, 2010)
 Isaac Jones, "Promoting and Monitoring Human Rights in South Africa: Or, Experiencing Democracy" (October 8, 2010)
 Ron Walter, "The Anti-Educational Effects of Public Schools" (October 1, 2010)
 Patty Graves, "Guggenheim vs. Google: Fine Art in a User-Generated Culture" (September 24, 2010)
 Josh Bregy and Destiny Schlinker, "Tea Time with Josh and Destiny" (September 17, 2010)
 Sean Oakley, "City Year: Young People Can Change the World" (September 10, 2010)
 Elizabeth Naglak, "The Exploration of Evolution" (September 3, 2010)
 Dietrich Ringle, "The Art and Science of Living Barefoot" (August 27, 2010)
 Ty Bittle, "Extraterrestrial Life" (April 23, 2010)
 Sumeit Gupta and Saroj Adhikari, "Bollywood Movies" (April 16, 2010)
 Rebecca McGill, "Sustainable Building" (April 9, 2010)
 Caroline Borden, Melinda Wheeler, Kyle Moix, Caeli Waldron, and Becca Warren, "Literature in the British Isles" (April 2, 2010)
 Rebekah Baugh, "An Appetite for Hungary" (March 26, 2010)
 Jordan Karpe and Matthew Duncan, "What is 'Good' Art?" (March 12, 2010)
 Elizabeth Loveless, "The History of Theatre" (March 5, 2010)
 Jacob Perry, "Honduras Hope" (February 26, 2010)
 Amanda Hickman, "Fish in the Dorm" (February 26, 2010)
 Ashley Ridlon, "An Insider's View of the Politics of Health Care Reform" (February 19, 2010)
 Cameron White, "Digital Distribution and the 'New Entertainment'" (February 12, 2010)
 Ellen Jeffus, "Time Bank, UCA Honors" (February 9, 2010)
 Mariam Khan, Jordan Karpe, and Hannah Marks, "Blessed Henna" (February 5, 2010)
 Matt Ford, "Clearing the Air: Myths and Facts about Cannabis Use in the United States"
 Josh Bregy, "The Weather" (January 22, 2010)
 Skip Thurman, "Fat Beats" (January 15, 2010)
 Eric Dietz, "An Introduction to Digital Filmmaking" (November 20, 2009)
 Autumn Bewley, Emi Hayashi, Julie McVey, Trace Thurman, Jordan Karpe, "Shanghai Free School" (November 13, 2009)
 Brittany Edwardes, "Food-Like Substances in Your Future" (November 6, 2009)
 Natalie Bergstrom, Jade King, Megan Johnston, Kane Moix, "Around the World in 38 Days" (October 30, 2009)
 Cody Wilson, "What Not to Eat" (October 23, 2009)
 Tamami Akagi and Dannis Armikarina, "Asian Cooking with Tamami & Dannis" (October 9, 2009)
 Sarah Crouch, "NaNoWriMo" (October 2, 2009)
 Katya Lyzhina, "Think Globally, Act Locally! What You Can Do to Improve Your Planet and Save Some Money Along the Way" (September 25, 2009)
 Kathy Hill, "North Korea and National Security" (September 18, 2009)
 Ron Walter, "Comedy, Absurdity, and Revolution: Everything You Need To Know About The New Wave of Romanian Cinema" (September 4, 2009)
 Michael J. Hinds, Dietrich Ringle, and Patrick Russell, "Wilderness Survival: The Fourfold Sacred Order" (August 28, 2009)
 Patrick Taylor, "Dorm Room Gourmet Cooking" (August 21, 2009)
 Whit Barringer, "A History of Animated Film" (May 1, 2009)
 Joshua Simmons & Brian Broussard, "The Last Minute Scholars (On Procrastination)" (April 24, 2009)

Natasha Reed & Friends, "Travel Abroad and Safety Precautions" (April 10, 2009)

Alli Hogue, "From Ray Winder to Dickey Stephens: Arkansas Travelers documentary" (April 3, 2009)

Ben Maddox & Matt Duncan, "When the Ship Comes In: Folk Music and the Labor Movement" (March 19, 2009)

Andy Hoelscher, "Bonsai Growing in Your Dorm Room" (March 6, 2009)

Sara Mullally, "Undergraduate Internships" (February 27, 2009)

Renee Ronquillo, "Table Top Bakery" (February 20, 2009)

Jeremy Lusk, "Rise of the Alternatives Redux" (February 13, 2009)

Michael J. Hinds, "Assessing the Feasibility of Biking for City Transportation" (January 30, 2009)

F. John Rickert, "Is J. J. Abrams a Modern-Day Charles Dickens?" (January 23, 2009)

Sydney Yeager, Kristen Spickard, & Josh Simmons, "All Things Greek" (January 16, 2009)

Liz Youngblood & Friends, "Turning Japanese (I Really Think So)," third in series (December 5, 2008)

Corey Womack & Friends, "Tanzania!" (November 21, 2008)

Whit Barringer, "Coheed and Cambria" (November 14, 2008)

Sarah Cogswell & Friends, "La France Profonde" (November 7, 2008)

Liz Youngblood & Friends, "Turning Japanese (I Really Think So)," second in series (October 31, 2008)

Drew Branscum & Friends, "Everything LGBTQ" (October 24, 2008)

Jeremy Lusk, "Drive Like It Costs You Money" (October 10, 2008)

Camille Wood, "Reuse It Or Lose It: Why Shopping Second-Hand Rocks" (October 3, 2008)

Cathrine Schwader, "Origami Paper Cranes" (September 26, 2008)

Liz Youngblood & Friends, "America in the Mind of Japan," first in series (September 19, 2008)

Spencer Smith & Friends, "HCOL Intermediate and Advanced" (September 5, 2008)

Spencer Smith & Friends, "HCOL for Beginners" (August 20, 2008)

Chris Dendy, "Positive Psychological Effects of Religiosity" (April 24, 2008)

Eric Dietz, "Spark: A Film," (April 23, 2008)

Fabia Bertram, "A Skillful Performance on Piano" (April 18, 2008)

Anthony Simmons, "Student Leadership in the Honors College: A Survey and Assessment of Student Participation" (January 18, 2008)

Eric Deitz, "The Gospel According to Video Games" (November 9, 2007)

Patrick Taylor, "How Suburbia Killed the Community" (October 26, 2007)

Sara Mullally, "Russia: Frozen Tundra and Pickled Lenin" (October 12, 2007)

Whit Barringer, "Avventure Italiane" (October 5, 2007)

Kenneth Grand, "Waiting for the Great Leap Forward" (September 28, 2007)

Charlie Dees, "The SecondLifely Experiment" (September 21, 2007)

Rick Scott, Krystal Berry, Brooks Cato, Sally Cunningham, Meaghan Dellar, Natasha Reed, Tiffany Shumpert, Sydney Yeager, Darnell Clayborn, Allison Wallace, "Study Abroad in Tanzania" (September 7, 2007)

Caleb Duvall, "The Case for a Creator" (February 28, 2007)

Aaron Kopf, "The Case for Bigfoot" (February 2, 2007)

Daniel Hall, "The Ambivalence of the Human Condition" (November 10, 2006)

Eric Deitz, "Ripley vs. The Vagina Dentata" (October 13, 2006)

Whit Barringer, "Adamant's Fire: The Search for a God Paradigm" (October 6, 2006)

Maegan Murphy & Garrett Steele, "You Should Be Dancin'" (September 29, 2006)

Samuel Grubb, "Virtual Worlds: The Birth of New Civilizations" (September 15, 2006)

Brad Klingsporn and Robbie Butler, "Debate on the Decriminalization of Mary Jane" (April 20, 2006)

Mike Allen, "The Online Forum: Past, Present, and Future" (March 15, 2006)
Aaron Kopf, "Confessions of a Christian" (March 3, 2006)
Michael Herring, "Wireless Soapbox" (October 7, 2005)
Michael Herring, "Rise of the Alternatives: Free and Open Source Software"
(February 14, 2006)
The Darwin Class, "Debate: Should Design Be Taught in Public High Schools?"
(April 20, 2005)

GRADUATE SUPERVISION/PRACTICUM/INTERNSHIPS:

Eric Dietz, supervision (Fall 2009 -)
Brian Michael Allen, practicum (Spring 2007)
Elisabeth Van Meer, supervision (Spring 2003-Summer 2004)
Juliet Burba, supervision (Fall 2002-Spring 2003)
Corrina Schlombs, supervision (Fall 2000-Spring 2001)

PUBLICATIONS, SCHOLARLY:

"An Interview with Edsger W. Dijkstra," in *Communications of the ACM* 53.8 (August 2010): 41-47.
"Implementing Wikis in Honors Courses," *Journal of the National Collegiate Honors Council* 10.2 (Fall/Winter 2009): 53-56.
"Medicine and the Family in the 1930s," in *Great Depression: Peoples and Perspectives*, Chapter 4 (Santa Barbara, CA: ABC-CLIO, 2009), 65-84.
"Charles V. Chapin (1856-1941)," in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M.E. Sharpe, 2008), 310-311.
"Joshua Lederberg (1925-)," in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M.E. Sharpe, 2008), 228-230.
"Mark I," in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M.E. Sharpe, 2008), 748-749.
"Norbert Weiner (1894-1964)," in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M.E. Sharpe, 2008), 759-761.
"SAGE (Semi-Automatic Ground Environment)," in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M.E. Sharpe, 2008), 754-755.
(with Rick Scott) "Honors 2025: The Future of the Honors College," in *Honors in Practice* 4 (2008): 29-33.
"Automobiles," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1419-1421.
"Automotive Technology," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1478-1479.
"Canal Boats," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1385.
"Locks," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1385-1386.
"Minneapolis-St. Paul International Airport," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1437-1438.
"Orville Wright," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1438-1439.

- "Wilbur Wright," in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006), 1439.
- UCA Honors: A Self-Study*. Conway, AR: University of Central Arkansas, 2006. 23 pp.
- "Encryption and Code Breaking," in *Encyclopedia of 20th-Century Technology*, ed. Colin A. Hempstead (New York: Routledge, 2005), 297-299.
- "Computer-Aided Control Technology," in *Encyclopedia of 20th-Century Technology*, ed. Colin A. Hempstead (New York: Routledge, 2005), 236-238.
- "Battling Smallpox: State and Local Boards of Health," *Iowa Heritage Illustrated* 86 (Summer 2005): 61-66.
- UCA Honors College: Strategic Thinking Initiative*. Conway, AR: The Honors College, University of Central Arkansas, 2005. 25 pp.
- "A Risk Perceived is a Risk Indeed: Assessing Risk in Biomedical Research and Health Policy," in *The Social Sciences Go to Washington: The Politics of Knowledge in the Postmodern Age* (New Brunswick, NJ: Rutgers University Press, 2004), 78-109.
- "Marion Dorset and Hog Cholera Research in the Biochemic Laboratory of the U.S.D.A. Bureau of Animal Industry," *Veterinary History* 12 (Fall 2004): 228-45.
- NSF Final Report: Building a Future for Software History*. Minneapolis, MN: Charles Babbage Institute, University of Minnesota, 2004. 50 pp.
- "Before the Web There Was Gopher," *IEEE Annals of the History of Computing* 26 (January-March 2004): 20-41.
- (with Juliet Burba) "Researching the History of Software: Mining Internet Resources in the 'Old World,' 'New World,' and the 'Wild West,'" *Iterations: An Interdisciplinary Journal of Software History* 1 (September 2002): 1-35.
- "A Well Intentioned Query and the Halloween Problem." *IEEE Annals of the History of Computing* 24 (April-June 2002): 86-88.
- NSF Interim Report: Building a Future for Software History*, Knowledge and Distributed Intelligence Directorate, submitted to Bruce E. Seely, Director, Science, Technology, and Society Directorate, November 5, 2001.
- NSF Progress Report: Building a Future for Software History*, Knowledge and Distributed Intelligence Directorate, submitted to Bruce E. Seely, Director, Science, Technology, and Society Directorate, November 2, 2000.
- "Testing Physicians' Limits: Medical Informatics and Diagnostic Decision-Making," *CBI Newsletter* 22 (Summer 2000): 4-7.
- "Smallpox: Local Boards and the Legitimacy of the Iowa State Board of Health, 1880-1900," *Annals of Iowa* 54 (Spring 1995): 87-118.

PUBLICATIONS, INFORMAL:

- "Technology Workshop Recap," *National Collegiate Honors Council Letter* (August 2007): 3.
- "Not a Koan on Ethanol," *TapRoot*, available online at <http://ucahonors.org/forum/showthread.php?t=21515>
- "Big Box Goes Low Tech," *TapRoot*, available online at <http://ucahonors.org/forum/showthread.php?t=21463>
- "The Artificial Other: An Introduction," http://ucahonors.org/forum/view.php?pg=artificialother_overview
- (with Mike Allen) "Social Forums Update," *Vino: The Newsmagazine of the UCA Honors College* 23 (Winter 2004): 16-17.
- (contributor), *The Origins of the Multi-Billion Dollar Computer Software and Services Industry*, ed. Luanne Johnson. Carmel, IN: iBusiness Press, 2003.

- "Technotopias Meeting in Glasgow, Scotland," *CBI Newsletter* 25 (Winter-Spring 2003): 10-11.
- "Software History Dictionary Project Unveiled," *CBI Newsletter* 25 (Winter-Spring 2003): 5-8.
- "SHOT 2002 Meets in Toronto," *CBI Newsletter* 25 (Fall 2002): 5-7.
- "Edsger Wybe Dijkstra, 1930-2002," *CBI Newsletter* 24 (Summer 2002): 14-15.
- "NSF/KDI Workshop in New Orleans," *CBI Newsletter* 24 (Spring 2002): 9-10.
- "Software History Project Year Two Report," *CBI Newsletter* 24 (Fall 2001): 5-6.
- "Burrow Before Web: The Recent History of the Internet," *CBI Newsletter* 23 (Summer 2001): 3-7.
- "New Software History Bibliography on CBI Web Site," *CBI Newsletter* 23 (Spring 2001): 3-7.
- "Software History Project Report," *CBI Newsletter* 23 (Winter 2001): 3-7.

RESOURCES AND TOOLS:

- Little Rock Renaissance Wiki*. More than 3,160 entries available online at <http://honors.uca.edu/wiki/>
- Strange Communities Podcast* at <http://pfrana.podbean.com/>
- UCA Honors College Survey & Assessment Instruments* (Incoming Freshman Survey, First Year Survey, Rising Junior Survey, End-of-Junior Year, Exit Survey, Alumni Survey)
- The Artificial Other Website*, featuring articles by Holly Smith, "It's Alive! A Reflection of Conscious AI in Cinema"; Michael Schelkopf, "The Development of Transhumanism"; Patrick Taylor, "The Future of Space Exploration"; Adam Cox, "Cyberathletics: An Evolving Sport"; Samantha White, "What Dreams May Come: The Evolution of the Smart Car"; Miranda Mendenhall, "Online Identity: Wherever You Go, There You Are"; Tori Green, "Real Economics in a Virtual World"; Danny Foerster, "Artificial Organs: Good or Bad?"; Mitchell Doss, "A Near Perfect World at Hand: The Potential of Cloning and Genetic Engineering"; F. John Rickert, "The New Television"; Jessica Leach, "Genetic Discrimination: An Internal Prejudice"; Drew Moffitt, "America: The Fully Automated Society Circa 2050"; Joe Fang, "I Robot, I Believe"; Katie Roberts, "Human Rights in the Machine Age"; Nathan McCune, "Digital Dasein: Disembodiment and Immortality"; and Trent Williams, "The Future of Quantum Computing" available online at <http://ucahonors.org/forum/showthread.php?t=16387>
- CBI Software History Dictionary*, Charles Babbage Institute, University of Minnesota, 2003. More than 200 entries. Available online at <http://www.cbi.umn.edu/>
- CBI Information Technology Privacy and Security Bibliography*, Charles Babbage Institute, forthcoming. Includes 4,250 references to monographs, journal articles, reports, oral histories, and archival collections.
- CBI Software History Bibliography*, Charles Babbage Institute, University of Minnesota, 2003. Includes 2,500 references to monographs, journal articles, reports, popular literature, oral histories, and archival collections. Available online at <http://www.cbi.umn.edu/>
- Internet Gopher: Primary Sources*, 1300 pp. Deposited in the University of Minnesota Archives and the Charles Babbage Institute for the History of Information Technology, 2000.
- The Smart Student's Guide to Writing History Papers*, privately printed for Phi Alpha Theta, Iowa State University, Ames, IA, 1999.

RESEARCH-GRADE ORAL HISTORIES CONDUCTED AND CATALOGUED:

Student Oral Histories:

- Jimmy Moses, Downtown Little Rock Developer: An Oral History, May 29, 2008 (OH 16)
- Bob Govar, Assistant U.S. Attorney: An Oral History, April 30, 2008 (OH 17)
- Marci Robertson, Museum of Discovery Director of Collections: An Oral History, April 22, 2008 (OH 15)
- Ellen "Nan" Plummer, Arkansas Arts Center Executive Director: An Oral History, April 21, 2008 (OH 12)
- Sara Lenehan, Little Rock Finance Director: An Oral History, April 18, 2008, Little Rock, AR (OH 18)
- Betty Wineland, Executive Director of CATA: An Oral History, April 1, 2008 (OH 11)
- Bill Valentine, Arkansas Travelers General Manager: An Oral History, March 29, 2008 (OH 14)
- Alison Hall, Arkansas Museum of Science & History Director: An Oral History, March 18, 2008 (OH 13)
- Tyrone Lee, Conway pulmonologist, class interview, January 28, 2008, Conway, AR (OH 10)
- Paul Harvel, Greater Little Rock Chamber of Commerce President, interviewed by Adam Lucas, May 12, 2006, Little Rock, AR (OH 7)
- Cardiologist William C. Furlow: An Oral History, May 4, 2006 (OH 9)
- Sharon Priest, Arkansas Secretary of State, interviewed by Ryan Morrow, April 24, 2006, Little Rock, AR (OH 6)
- David Williams, Clinton Presidential Library docent, interviewed by James Hyde, April 8, 2006, Little Rock, AR (OH 3)
- Nan Selz, executive director of the Arkansas Museum of Discovery, interviewed by Courtney Bennett, April 5, 2006, Little Rock, AR (OH 1)
- Eugene Pfeifer III, owner of Mechanics Lumber Company, April 4, 2006, Little Rock, AR (OH 2)
- David Itkin, conductor of the Arkansas Symphony Orchestra, interviewed by Ben Dobbs, March 21, 2005, Little Rock, AR (OH 4)
- William C. Furlow, Conway internist, class interview, January 26, 2006, Conway, AR (OH 5)

For the Charles Babbage Institute for the History of Information Technology:

- Charles W. Bachman, for his contributions to network database technology (Turing Award winner), November 14, 2003, Tucson, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 371).
- Stan Williams, longtime Director of Integrated Systems Research and Application Development at General Electric and Honeywell, Oral History, November 13, 2003, Phoenix, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 373).
- Dick Coupe, Director of Advanced Systems and Manufacturing at Honeywell Information Systems; auditor and implementer of Very Large Scale integration systems, production management and manufacturing systems, November 13, 2003, Phoenix, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 372).
- Henry N. Camp, President and CEO of Medical Systems Development Corporation, chief architect of the THERESA medical information system, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the

- History of Information Technology (OH 366).
- Roger Dahlen, longtime National Library of Medicine Extramural Grants and Scientific Review Administrator, and NLM Biomedical Information Support Branch Chief, Oral History, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 365).
- H. Kenneth Walker, Professor of Medicine at Emory University and Chairman of the NLM Board of Regents, on the THERESA Problem-Oriented Medical Record information system at Grady Hospital, Oral History, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 364).
- Vladimir Slamecka, first director of the Georgia Institute of Technology School of Information Science, and founder of the Graduate Program in Biomedical Information and Computer Science and the Laboratory of Information Science, Oral History, October 16, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 363).
- Laszlo A. Belady, former chairman and CEO of Mitsubishi Electric Information Technology Center America, and director of software technology at the IBM T.J. Watson Research Center, Oral History, November 21, 2002, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 352).
- Stephen A. Cook, for his work on the theory of computational complexity and NP-completeness (Turing Award winner), Oral History, October 19, 2002, Toronto, Ontario. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 350).
- C. Antony R. Hoare, for fundamental contributions to the definition and design of programming languages (Turing Award winner), Oral History, July 17, 2002, Cambridge, England. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 357).
- Peter Watson, founder of Berkeley Computer Services, the oldest software house in continuous operation in Scotland, Oral History, July 12, 2002, Glasgow, Scotland. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 351).
- Larry Lamb, founder of Lamb & Company, a pioneering interactive computer graphics firm, Oral Histories, June 28, 2002, and October 30, 2002, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 360 & 361).
- Carl Machover, computer graphics pioneer and president of Machover Associates Corporation, Oral History, June 20, 2002, White Plains, NY. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 362).
- Gary Durbin, founder of data security firm Secure and human resource software company Tesseract; also, founder of Web application firm Seeker Software, Oral History, May 3, 2002, Washington, DC. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 368).
- Ernest E. Keet, president of Turnkey Systems and Software Products Group of Dun & Bradstreet, and cofounder of Vanguard Atlantic venture capital firm, Oral History, May 3, 2002, Washington, DC. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 341).
- Jim Gray, developer of recovery manager of System R relational database system and director of laboratory research at Microsoft Research in San Francisco (Turing Award Winner), Oral History, January 3, 2002, San Francisco, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 353).

- William McGee, manager in the development of several data processing systems including the IBM 702 File Maintenance and Report Generator system, TRW-133, and IMS/VS; also, numerical analyst and reactor data specialist for the General Electric Hanford Atomic Products Operation in the 1950s, Oral History, November 12, 2001, Los Altos, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 331).
- Donald E. Knuth, author of the three volume series *The Art of Computer Programming*, recently judged one of the greatest works in twentieth-century science; also, developer of T_EX and METAFONT digital typography techniques; (Turing and Pulitzer Prize winner), Oral History, November 8, 2001, Stanford, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 332).
- Raymond Lorie, contributor to several crucial System R functions including SQL embedding, compilation, optimizer; also, co-inventor of GML markup language and early proponent of long-term preservation of digital information and digital library standards, Oral History, October 8, 2001, San Jose, CA. Deposited at the Charles Babbage Institute for the History of Information Technology.
- Don Chamberlin, originator of Structured Query Language, contributor to System R relational database system, and XML standards, Oral History, October 8, 2001, San Jose, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 329).
- Gio Wiederhold, developer of academic discipline of database design, and implementer of several early VLDBs in medical informatics, Oral History, October 4, 2001, Stanford, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 354).
- Mark McCahill, coinventor of Internet Gopher and Forms Nirvana, Oral History, September 6, 2001, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 328).
- Glenn Henry, System/38 team leader, president of Centaur Technology, and employee no. 1 at Dell Computer, Oral History, August 7, 2001, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 355).
- Edsger Dijkstra, first formally educated computer programmer in Europe, inventor of Dijkstra's algorithm, and originator of idea for structured programming, Oral History, August 3, 2001, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 330).
- Ben Persons, IBM System/34 programming manager, Oral History, August 2, 2001, Rochester, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 327).
- Herb Pelnar, early SAGE programmer, Oral History, August 2, 2001, Rochester, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 327).
- Richard Hedger, programming manager on IBM System/38, Oral History, May 17, 2001, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology.
- Douglas T. Ross, inventor of computer-aided design and founder of field of software engineering, Oral History, October 12, 2000, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 358).
- Peter C. Patton, Chief Technologist at Lawson Software, Oral History, August 30, 2000, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 325).

REVIEW ESSAYS:

Quacks & Crusaders: The Fabulous Careers of John Brinkley, Norman Baker, and Harry Hoxsey by Eric S. Juhnke, and *The Bizarre Careers of John R. Brinkley* by R. Alton Lee, in *Annals of Iowa* 62 (Winter 2003): 120-123.

BOOKS REVIEWED:

Goldberger's War: The Life and Work of a Public Health Crusader by Alan M. Kraut, in *Agricultural History* 79 (Spring 2005): 228-30.

Profiles in the History of the U.S. Soil Survey edited by Douglas Helms, Anne B. W. Effland, and Patricia Durana, in *Agricultural History* 77 (Fall 2003): 626-627.

Notes of a Potato Watcher by James Lang, in *Agricultural History* 77 (Fall 2003): 615-616.

Genetic Prehistory in Selective Breeding: A Prelude to Mendel by Roger J. Wood and Vítěslav Orel, in *Agricultural History* 77 (Fall 2003): 619-620.

Agriculture and Modern Technology: A Defense by Thomas R. Degregori, in *Agricultural History* 76 (Fall 2002): 719-720.

Enriching the Earth: Fritz Haber, Carl Bosch, and the Transformation of World Food Production by Vaclav Smil, in *Agricultural History* 75 (Fall 2001): 535-536.

Quinine and Quarantine: Missouri Medicine Through the Years by Loren Humphrey, in *Annals of Iowa* 60 (Spring 2001): 208-209.

The Formative Years of Plant Pathology in the United States edited by C. Lee Campbell, Paul D. Peterson, and Clay S. Griffith, in *Agricultural History* 75 (Spring 2001): 251-252.

Complete in All Its Parts: Nursing Education at the University of Iowa, 1898-1998 by Lee Anderson and Kathy Penningroth, in *Annals of Iowa* 58 (Summer 1999): 331-333.

PAPERS AWARDED PRIZES:

"The Plans and Purposes of the A.M.A. Section on State Medicine," Matterson Prize, 1996.

"Variolation and Vaccination in the Old South," Matterson Prize, 1994.

INVITED LECTURES:

"The Bit Business: A History of Information Technology"; "Using Wikis in Public History Projects," Iowa Public Employees Association, June 10, 2009.

"The Technological Agenda of the Obama Administration," Young Democrats, University of Central Arkansas, February 12, 2009.

"Intellectual Property in Higher Education," Technology in Higher Education Guest Lecture, Honors Living & Learning Community, University of Central Arkansas, Conway, AR, October 22, 2007

"The Role of an Honors Education at a Research I University," Honors Program, Iowa State University, January 16, 2007

"Metaphysics of AI," Philosophy Department, University of Central Arkansas, November 13, 2006

"The Thesis as Independent Scholarship," Rising Scholars Banquet, University of Central Arkansas, Conway, AR, August 23, 2006

"Bewilderment," Alma Education and Arts Foundation Honors Banquet Speech, Alma, AR, May 19, 2006.

- "Bioinformatic Ethics," Social Implications of Technology Guest Lecture, Computer Science Department, University of Central Arkansas, Conway, AR, October 17, 2005 & March 17, 2006
- "In Union There is Strength': Public Health Nursing in the Great Depression," Newberry Seminar, co-sponsored by the Newberry Library & University of Chicago, October 23, 2004.
- "Communities in Cyberspace," Honors Core II: The Search for Community, University of Central Arkansas, Conway, AR, April 19, 2004.
- "Calculating Care: Evidence, Computers, and Medicine in America," History of Medicine Lecture Series, University of Minnesota, Minneapolis, MN, November 3, 2003.
- "Making the Invisible Visible: Software as Science and Security," The Honors College Lecture Series, University of Central Arkansas, Conway, AR, October 23, 2003.
- "Mobilizing the Intellect: Science, Technology, and Social Change in the Great War and After," World History Lecture Series, University of Southern Mississippi, Hattiesburg, MS, March 20, 2003.
- "Cold War R&D in Information Technology," Colloquium Series, Utah State University Logan, UT, February 4, 2003.

PRESENTATIONS OF RESEARCH:

- "Classroom Rhythms: Strategies for Success in Media-Intensive Classes," National Collegiate Honors Council, Kansas City, MO, 2010.
- "Demography of Honors," National Collegiate Honors Council, Kansas City, MO, 2010.
- "Real-Time Outcomes Assessment in Honors Education," National Collegiate Honors Council, Kansas City, MO, 2010.
- "Serving Glocally: The Promise and Peril of Tracking Volunteerism," National Collegiate Honors Council Annual Meeting, Washington, DC, 2009.
- "Writing Together for the Global Classroom: Incorporating Collaborative Writing into Honors Courses," National Collegiate Honors Council Annual Meeting, Washington, DC, 2009.
- "Axiom Corporation and the Invention of Personalized Direct Mail," Mid-America Conference on History, Norman, OK, 2009.
- "The Classroom Frontier: How Information Gathering and Extramural Sharing Can Erase Traditional Academic Boundaries," National Collegiate Honors Council Annual Meeting, San Antonio, TX, 2008.
- "Best Practices: Honors Curricula," Southern Regional Honors Council Annual Meeting, Birmingham, AL, 2008.
- "Honors Living-and-Learning Communities and the Residential College Movement," Southern Regional Honors Council Annual Meeting, Birmingham, AL, 2008.
- "Integrating Wikis into Collaborative Class Projects," Southern Regional Honors Council Annual Meeting, Birmingham, AL, 2008.
- (session organizer) "Online Communities Strand," National Collegiate Honors Council Annual Meeting, Denver, CO, 2007.
- "The Future of Honors Education," National Collegiate Honors Council Annual Meeting, Denver, CO, 2007.
- "Tapping Technology in Honors Teaching & Learning," National Collegiate Honors Council Annual Meeting, Denver, CO, 2007.
- "Lessons of Liberation: What Online Community Interaction Can Reveal About an Honors College's Life," National Collegiate Honors Council Annual Meeting, Philadelphia, PA, 2006.

- "The Liberated Classroom: Improving Face-to-Face Pedagogy Through Online Community Tools," National Collegiate Honors Council Annual Meeting, Philadelphia, PA, 2006.
- "Liberty, Equality, Fraternity? The Promise of Online Communities for Fostering Member Involvement," National Collegiate Honors Council Annual Meeting, Philadelphia, PA, 2006.
- "Nudging History Online: From the Mechanics of Immersion to the World of Warcraft," Society for the History of Technology Annual Meeting, Las Vegas, NV, 2006.
- (session organizer) "Rewriting Plato's Cave: Exploring the Digital Depths of an Honors Education," National Collegiate Honors Council Annual Meeting, St. Louis, 2005.
- "Reprogramming Human Disease: The Computer as Physician," American Anthropological Association Annual Meeting, New Orleans, LA, 2002.
- "Building the Robot Doctor: Computer Diagnosis and the Reconfiguration of Human Disease," Technotopias Conference, University of Strathclyde, Glasgow, Scotland, 2002.
- "Ensuring E-Quality for E-Scholarship: The Charles Babbage Institute's Software History Project," American Historical Association Annual Meeting, H-Net Affiliated Sessions, San Francisco, CA, 2002.
- "'Community Machinery' for the Discovery of Tuberculosis: Donald B. Armstrong and the Framingham Demonstration," OAH Midwest Regional Conference, Ames, IA, 2000.
- "Modern American Mental Hygiene," HOTS Colloquium, Ames, IA, 1999.
- "Iowa's 'Forgotten Pandemic': Grinnell College and the Influenza of 1957," Iowa History Forum, Des Moines, IA, 1999.
- "A Risk Perceived is a Risk Indeed: Washington Assesses the Risks of Biomedical and Public Health Research," Public Policy History Conference, St. Louis, MO, 1999.
- "Confronting the Complexities of Modern Industrial Life: Mental Hygiene, the American Community, and the 'Normal' American Mind, 1915-1940," Western Social Science Association Meeting, Fort Worth, TX, 1999.
- "Mental Hygiene and the Modern American Jew," Phi Alpha Theta Midwest Regional Meeting, Davenport, IA, 1999.
- "Listerism, Listerian Antisepsis, and American Public Health, 1870-1900," American Association for the History of Medicine, Williamsburg, VA, 1997.
- "Marion Dorset: Hog Cholera Research in the Bureau of Animal Industry," American Association for the History of Medicine, Buffalo, NY, 1996.
- "Listerism and Listerian Antisepsis in Nineteenth-Century American Public Health," Midwest Junto for the History of Science, Kansas City, MO, 1996.
- "The Bureau of Animal Industry, Miasma, and the New Science of Bacteriology," Phi Alpha Theta Midwest Regional Meeting, Ames, IA, 1996.
- "The Demographic Transition in Central Iowa: A Quantitative Study of County Death Registers, 1885-1915," Iowa Heritage Expo, Des Moines, IA, 1995.
- "The Professionalization of Public Health: A Look at the First Quarter-Century of the American Public Health Association," Midwest Junto for the History of Science, Madison, WI, 1995.
- "Orthodox Medicine and Alternative Health: The Parallel Paths of Aerobics and Music Therapy in Modern America," Missouri Valley History Conference, Omaha, NE, 1995.
- "Smallpox and the Iowa State Board of Health," Midwest Junto for the History of Science, Norman, OK, 1994.

WORKSHOPS:

Approaching Technology from an Honors Perspective, National Workshop at the National Collegiate Honors Council Annual Meeting, Kansas City, MO, October 24, 2010.

The Wiki Way in Collaborative Learning, Instructional Development Center Lunch & Learn, April 13, 2010.

Technology in Honors Education, National Workshop at the National Collegiate Honors Council Annual Meeting, Washington, DC, November 1, 2009.

Technology in Honors Education, Summer National Workshop at the University of Central Arkansas, co-sponsored with the National Collegiate Honors Council, July 11-14, 2007.

OTHER SERVICE:

White Oak Bayou Wetland Management Plan, project oral historian (2010-)

UCA Honors College Co-Curricular Committee, chair (2010-)

UCA Honors College ISIS Committee, member (2010-)

UCA Honors College Research Committee, chair (2010-)

UCA Young Democrats Advisor (2006-)

Honors College Food & Clothing Drives (Spring 2005-) – more than \$3,400 in canned goods, clothing, and school supplies for Bethlehem House, CAPCA, Hermanos in Hope, and the Little Rock Compassion Center.

Honors Scholarship interviewing/Inform & Interview sessions (2005-)

Literacy Programs at Ellen Smith Elementary School (2004-)

UCA Honors College Online (HCOL), advisor (2004-)

Arkansas State Geography Bee, speaker (2010)

Honors Convocation Ushers and Servers, sponsor (2005-2009)

Appearances in student films "Spark" (2008) by Eric Dietz and "The Honors Office" (2009) by Allison Hogue and Justin Bird

"The Future of Honors Education," IDC Lunch and Learn, University of Central Arkansas (Spring 2008)

"Does the Honors College Hate God," Town Hall Meeting, University of Central Arkansas (Fall 2006)

Faculty Commencement Marshal (Fall 2006, Spring 2007)

Student Orientation Staff Orientation, Faculty Representative, August 2006

New Faculty Orientation, Tutorial & Thesis Speaker, August 2005, August 2006

UCA Interdisciplinary Liberal Studies Minor Committee (Spring 2006-Fall 2007)

Class sponsor for "It's a Wonderful Honors College," by Matt Stephens and Tommy Kendrick, Senior Seminar film for Parent's Day 2006.

The Artificial Other in Film, UCA Honors College MTV series, Fall 2005.

Erwin and Adelle Tomash Prize Committee, 2004.

The World Wide Web@10 Program Committee, Rose-Hulman Institute of Technology, Terre Haute, IN, 2004.

Manuscript/Proposal Reviewer for *Agricultural History*, *Annals of Iowa*, *Isis*, *Iterations*, *Policy Studies Journal*, *IEEE Annals of the History of Computing*, and the National Science Foundation-Science and Technology Studies (NSF-STG) Program.

"A Final Account of the CBI Software History Project," Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, Atlanta, GA, 2003.

"Technology and History," Session Commentator, Northern Great Plains History Conference, Fargo, ND, 2003.

"The Software History Project and Its Contribution to Software History," CBI

- Representative, Strategic Planning Meeting on Software and Services History, Palo Alto, CA, 2003.
- "An Introduction to *Iterations*," Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, Toronto, Canada, 2002.
- "Building a Future for Software History," National Science Foundation-Knowledge and Distributed Intelligence Directorate Workshop, New Orleans, LA, 2002.
- "Contracts Reference Directory," ADAPSO Reunion, session co-chair, Washington, DC, 2002.
- "Web-Based Initiatives of the CBI Software History Project," Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, San Jose, CA, 2001.
- "How to Write a Senior Thesis in History," Phi Alpha Theta Colloquium, Ames, IA, 1999.

PROFESSIONAL DISTINCTIONS:

- Alpha Chi (academic), Wartburg College, 1991.
- Delta Mu Delta (business and economics), Wartburg College, 1990.
- Roswell and Elizabeth Garst Fellow (dissertation research), Iowa State University, 1997, 1998.
- Isabel Matterson Prize (twice for writing), Iowa State University, 1994, 1996.
- Meistersinger Scholar (vocal performance), Wartburg College, 1987-1991.
- Karl H. Moe History Scholar, Wartburg College, 1988.
- National Endowment for the Humanities Summer Workshop (senior facilitator), Iowa State University, 1994.
- Gerhard Sigmund Ottersberg History Scholar, Wartburg College, 1989.
- Phi Alpha Theta (history), Iowa State University, 1996.
- Phi Kappa Phi (academic, decl.), Iowa State University, 1995.
- Vice President & President, Wartburg Choir, Wartburg College, 1989-1991.
- Regent's Scholar (academic), Wartburg College, 1987-1991.
- University of Minnesota (post-doctoral fellow), 2000-2003.
- University of Nebraska-Lincoln (fellowship assistant), 1991.

PAST AND PRESENT PROFESSIONAL SOCIETY MEMBERSHIP:

American Association for the History of Medicine*, American Historical Association, Association for Computing Machinery*, History of Medicine Associates, History of Science Society, Iowa Council for the Social Studies, Midwest Junto for the History of Science, National Collegiate Honors Council*, Oral History Association, Organization of American Historians, Phi Alpha Theta*, Society for the History of Technology*, Veterinary History Society (* - current)