CURRICULUM VITAE

Geoffrey Charles BOWKER
Donald Bren School of Information and Computer Sciences
University of California, Irvine
6210 Donald Bren Hall
Irvine, CA 92697-3425
gbowker@uci.edu
http://www.sis.pitt.edu/~gbowker

POSITIONS

Professor, Director Values in Design Laboratory, School of Information and Computer Science, University of California at Irvine, 2012+

Professor and Senior Scholar in Cyberscholarship, School of Information Sciences, University of Pittsburgh. 2009-2011

Executive Director, Regis and Dianne McKenna Professor, Center for Science, Technology and Society, Santa Clara University. Professor in Communication and Environmental Studies. 2005-2009

Chair, Department of Communicaton, University of California, San Diego, 2002-2004.

Professor, Department of Communication, University of California, San Diego, 1999+. Teaching ethnography of information systems, computing and communication. Research project in biodiversity informatics.

Participating Faculty, Interdisciplinary PhD Program in Cognitive Science, UCSD, 2001+.

Fellow, San Diego Supercomputer Center, 2000+.

Adjunct Professor, Department of History, University of California, San Diego, 1999+. Zero time appointment.

Faculty Affiliate, National Center for Supercomputing Applications, 1998-1999.

Assistant then Associate Professor, Graduate School of Library and Information Science, University of Illinois at Urbana/Champaign, 1993-1998. Teaching information resources management, research methodologies in information science, information systems analysis and management. Research projects in history and sociology of the International Classification of Diseases, the Nursing Interventions Classification and organizational memory. (Promoted to Associate Fall 1996).

May - June 1994 Visiting Professor, Department of Computer Science, Aarhuis University, Denmark. Teaching course in computer supported cooperative work and the ethnography of information systems.

Visiting Scholar, Graduate School of Library and Information Science, University of Illinois at Urbana/Champaign. (1992-1993)

Director, National Archive for the History of Computing, Center for the History of Science, Technology and Medicine, University of Manchester. Consolidating collection of computing archives, developing theoretical tools for analyzing electronic archives, responding to enquiries about the history of computing. Research projects in the intellectual, technological and institutional history of cybernetics as interdisciplinary subject and in cognitive approaches to archives management. Teaching history of science and technology survey courses. As a result of my work, this was made a permanent position. (1991-1993)

Research Fellow, John Rylands Research Institute, University of Manchester. Development of database to catalogue Jodrell Bank archives; supervising transfer of these archives to the John Rylands University Library of Manchester. (1991-1993)

Research Fellow, Department of Sociology, University of Keele. History of cybernetics and history of medical informatics. Teaching sociology courses. Setting up Research Centre in Technological and Organizational Practice. (1990)

Consultant to ADEST (Association pour la Mesure des Sciences et des Techniques, Paris); co-organiser of a series of French/English seminars on intellectual investment. Co-editing book of the seminar series. (1989+)

Research Associate, Center for the Sociology of Innovation, Ecole des Mines, Paris. (1989+)

Assistant Professor, University of California at San Diego. Teaching a course on the history of science and technology in the twentieth century. (1989)

Postdoctoral fellow and archivist, Centre for the Sociology of Innovation. Producing a history of the oil prospecting company Schlumberger using the archives of their first twenty years. Also cataloguing those archives, compiling a computerized index of them, negotiating and then supervising their transfer to the Ecole des Mines. (1985-1988)
Co-teacher, Introduction to the History of Science, University of Paris 1 (Sorbonne). (1988)

Tutor in History of Science, Department of History and Philosophy of Science, University of Melbourne. Tutoring on the historiography of science. Also gave lectures in social theory. (1984)

Teaching Advisor, Cameroun. Trained and inspected primary school teachers introducing English into francophone schools. Gave adult literacy and numeracy courses in francophone and anglophone areas. (1978- 1980)

Teacher of English as a Foreign Language. Treviso, Italy and London; classes ranging from primary level to adult education. (1976-1978)

Graduate Clerk, Australian Archives. Carried out evaluation and description of the archives of three government departments and supervised their collection. (1975)

EDUCATION

PhD University of Melbourne, History and Philosophy of Science. Thesis: "If Ever Time Was; Social and Scientific Perceptions of Time in England and France in the 1830's". A comparison of ideas of time in English and French geology; comparison of geological time to historical, political and religious time. (1984)

B.A. (Hons) First Class. Australian National University. Degree in History, specialising in British nineteenth century. Sub-majors in German and Pure Mathematics. Unit in sociology. (1975)

AWARDS

Fellow, American Association for the Advancement of Science (2011)

Ludwig Fleck Prize for the Best Book in Science, Technology and Society for *Memory Practices in the Sciences*. (2007)

Best Information Science Book Award, ASIST for *Memory Practices in the Sciences*. (2007)

AIWORC-Bell Atlantic Best Paper Award in the Business Theme Area for 'Modelling Distributed Knowledge Processes In Next Generation Multidisciplinary Alliances', Academia-Industry Research Conference on Working Challenges (April 2000)

Incomplete List of Excellent Teachers on Campus, with special mention for outstanding instructor ratings (Spring 1996)

Centennial Scholar Award, Graduate School of Library and Information Science, University of Illinois (1996)

GRANTS

Workshop on Emerging Configurations of the Virtual and the Real, NSF, 20111

Teams in Cyberinfrastructure, NSF EAGER, 2011-2012

Units of Analysis in Evaluating Cyberinfrastructure, NSF EAGER, 2010-2012

Values in Design, NSF, 2010

Postdoctoral Research Grant, Eben Kirksey, NSF, 2008-2009.

HSD Grant Monitoring, Modelling and Memory in Cyberinfrastructure, NSF, $620K, 2008-2011

Howard Charney Chair at the Center for Science, Technology and Society, 2006, $3M.

SGER Grant on Comparative Cyberinfrastructure Studies, NSF, $100K, 2007-2008.

Values into Design NSF, $100K. 2006-7.

Interoperability Strategies for Scientific Cyberinfrastructure: A Comparative Study, 2004-2007, NSF, $620K.

SSRC Workshop on Digital Cultural Institutions, SSRC, $40K. 2004

Values in the Design of Information Technology, NSF. $40K. 2004-5.

'Access to and Sharing of Data Produced from Public Funding: OECD/CSTP Working Group'. With Peter Arzberger, San Diego Supercomputer Center. NSF. $125K

Working Group on Historical and Interpretive Approaches to Standards, Quantification and Formal Representations", Humanities Research Institute, University of California at Irvine. Fall 2001.

Biodiversity & Ecosystem Informatics - BDEI: Designing an Infrastructure for Heterogeneity of Ecosystem Data, Collaborators and Organizations. With Karen Baker, Scripps Institute for Oceanography. NSF 0131958. (2001-2002)

'Values into Infrastructure', NSF 0094632. $120K. 2001-2002.

Visualizing the Planet, Research Board, UCSD. 2000. $7K.

KDI: Can Knowledge be Distributed? NSF 9980182 (1999-2002). $1.4 million to analyse interdisciplinary communication amongst environmental hydrologists at the NCSA, University of Illinois (one of 6 PI's).

Biodiversity Indicators, Critical Research Grant, University of Illinois at Urbana Champaign. $10,000 to organize a series of workshops leading to a Centre. Co-PI with Profs Mike Irwin (Natural Resources), Val Beasley (Veterinary Medicine) and Michael Goldman (Sociology). (1999)

Normativity and Large Information Systems, Critical Research Grant, University of Illinois at Urbana Champaign. $10,000 prepare a large scale project. Co-PI with Profs Adrian Cussins (Philosophy) and Patty Jones (Mechnical and Industrial Engineering). (1999)

Professional Development Grant, National Science Foundation. $60,000 to study

biodiversity informatics (1998-1999).

EVS Grant, National Science Foundation, $180,000 to write a book on the history and sociology of medical classification with Leigh Star (1996-1998)

Fellow, Center for Advanced Study, University of Illinois - to work on the theme of organizational memory
(Fall 1995)

Research Board, University of Illinois, 'Cultural and Organizational Issues in Medical Classification and Coding: A Case Study of Ayurvedic and Western Medicine in India' (1994)

Advanced Information Technologies Group, University of Illinois, 'Using Qualitative Analytic Software to Analyze a Controversy in Nursing Infformation Systems' (1994)

Royal Society Grant, History of Cybernetics project (1991-1995)

Postdoctoral Research Award, Fondation les Treilles, France. (1985-1988)

Commonwealth Postgraduate Scholarship, Australian Government. (1981-1984)

Commonwealth Undergraduate Scholarship, Australian Government. (1971-1975)

Open Scholarship, Queensland Government. Offered to top 25 in State examinations. (1970)

PROFESSIONAL SERVICE

Program Committee, iSchool Conference, 2011

Program Committee, Computer Supported Co-operative Work, 2011

Summer School, Doctoral Students in Science and Technology Studies, 2011

Values in Design Advisory Committee, Futures of Internet Architecture, 2010-2015.

Co-editor (with Paul Edwards), *Infrastructures Series*, MIT Press, 2010

ASIST Program Committee, 2010

Editorial Board*, Technscienza*, 2009+

Organizer, The Transformative Power of Science and Technology, keynote by Mohammed Yunus, Santa Clara University, November 2008

Co-editor, *Science, Technology and Human Values*, 2007+

2nd Biennial 01 San Jose Global Festival of Art, San Jose, Jury Member, Prix Green, 2008

Co-organizer, NSF Workshop on Values in Design, Center for Science, Technology and Society, Santa Clara University (August 2008) http://epl.scu.edu/~stsvalues/

Glenn Munkvald Trondheim, Norway, International Faculty, PhD Defense

Organizer, Silicon Valley Challenge Summit, Santa Clara University, 2007

Committee of Visitors, Office for Cyberinfrastructure, NSF, 2007

Committee of Visitors, NEES Project, NSF, San Diego (2006)

Co-organizer, NSF Workshop on Values in Design, Center for Science, Technology and Society, Santa Clara University (August 2005) http://epl.scu.edu/~stsvalues/

GCBowker, International Conference Digital Divide or Digital Commons: Toward Global Knowledge Sharing (organizer). Center for Science, Technology and Society (CSTS); 21April2005.

Member Science Committee, National Biological Information Infrastructure (2003-2006)

Co-organizer, The Past, Present and Future of the Internet, World Summit on the

Information Society, Tunis, 2005.

Program Committee, Ninth European Conference on Computer Supported Cooperative Work, 2005.

Reviewer for Cognition and Instruction, Journal of Digital Information, Environment and Planning, CACM, Social Studies of Science, Science, Techology and Human Values, Economy and Society (2004-2005)

PhD Committee Casper Bruun Jensen (Ashus University), Sampsa Hysallo (University of Helsinki), Scout Calvert (University of California, Santa Cruz) (2004-5)

Reviewed book mss for Duke University Press (2004)

Editorial Board, Social Studies of Science (2003+)

Consultant on new building design, Natural History Museum of LA (2003)

Ad Hoc Working Group, Institute for Urban and Regional Design, UCSD, 2002-2003.

Faculty Mentor, Graduate Student Conference on Digital Cultures, February 2003.

Invited Participant, Workshop on Public Design, New York University, September 2002.

Invited Participant, Workshop on Collaboratories, National Institutes of Health, September 2002.

Member, OECD Working Group on Principles of Access to Publicly Financed Research (2001-2002) http://dataaccess.ucsd.edu/FinalReport.htm.

Member, Education Layer, Cal-IT(2), University of California at San Diego (2001-2002)

Co-organizer, International Workshop on Distributed Collective Practice, San Diego (February, 2002)

Scientific Advisor, Opening the Doors of Government: The Kentucky Water Information Network Prototype (KY WIN), NSF, submitted June 2001.

Program Committee, Second Kyoto Meeting on Digital Cities, Kyoto (2001).

Member, UC-wide Teaching, Learning and Technology Collaborative grants review panel, 2001-2003.

International Committee, Project on Internet Uses in Canada, 2001-2003.

Reviewed book manuscripts for MIT Press, Routledge and Kegan Paul, Southern Illinois

Uiversity Press

Delegate, International Union of History and Philosophy of Science – organizing workshops and conference on representing indigenous knowledge (2000+).

Member, Steering Committee, Sixth College, UCSD (2000+)

Member, Advisory Board Committee, California Digital Cultures Conference (2000+)

Editorial Board, The Cutting Edge: An Encyclopedia of Advance Technologies, Oxford: Oxford University Press, 2000.

Member, Scientific Committee, The 1st International Workshop on New Developments in Digital Libraries, 3rd International Conference on Enterprise Information Systems, Portugal, 2000-2003

NSF Workshop on the National Biodiversity Information Infrastructure. June 2000. NASA.

Organizer, Colloquium Series in Science Studies, UCSD. 2000.

Co-organizer, Colloquium Series on Information Technology, UCSD. 1999+.

Editorial Board, Metadata (2000+)

Panel Organizer, Information Technology and Biomedicine, Society for Social Studies of Science, September, 2000.

Member, NSF Committee of Visitors (evaluating research program in science studies and ethics and human values), 1999

Book Review Editor, Mind, Culture and Activity (1999+)

Co-organizer, International Colloquium on Knowledge and Memory Practices, Paris and San Diego (1999-2001)

Program Committee, Community Knowledge Workshop, European Computer Supported Cooperative Work Conference. (1999)

Affiliate, National Center for Supercomputing Applications (NCSA), UIUC. (1999+)

Research Associate, Center for Botanical Informatics, Missouri Botanical Gardens (1998+)

Consultant, The Moschovitis Group, High Technology Encyclopedia (1998-1999)

Consultant, Ira Monarch (PI), Knowledge Networking Project Liré (1998+)

Scientific Commiteee, Solaris (1997+)

Organizer of Panel on information systems design and social theory, Society for Social Studies of Science (1997)

Sociology of Technology Editor, Metascience (1997+)

Program Committee, GROUP '97, International Conference on Supporting Group Work, Phoenix, Arizona USA (1997)

Committee on Biodiversity and Ecosystems of The President's Committee of Advisors on Science and Technology (1997-1998)

NSF Information Technology and Organizations workshop (April 1997)

Co-organizer, panel on 'cyborg politics', Cyberfest, UIUC (March 1997)

Co-organizer, Science, Technology and Medicine Speaker Series, UIUC (March 1997)

Co-designer, LIS undergraduate minor (Spring 1997)

Co-designer, Science, Technology and Medicine Undergraduate Minor (1997)

Admissions Committee, Honors School, UIUC (1997)

Co-designer, Year 2000 course (Spring 1997)

NSF panel on Human Centered Computing Systems - invited participant. (February 1997)

Developer, Science, Technology, Information and Medicine Web Site (April 1996)

Organizing Committee, L'Association des Responsables Communication de L'Enseignement Superieur, 'Pour une Communication branchee?', Sophia-Antipolis, France (January-June, 1996)

NSF Panel on Visiting Women Professors (April 1996)

Editorial Advisory Board, Science, Technology and Human Values (1996+)

Editorial Board, Accounting, Management and Information Technology (1995+)

Editorial Board, The Information Society (1995+)

Editorial Board, Cybernetics and Human Knowing (1994+)

Editorial Board, Time and Society (1994+)

Editorial Board, Annals of the History of Computing, Time and Society (1993+)

Referee for JASIS; Social Studies of Science; Time and Society; Science, Technology and Human Values; The Sociological Quarterly; Science in Context; Accounting, Management and Information Technologies; Cybernetics and Human Knowing; National Science Foundation: Information Systems Research; Technology and Culture; American Sociological Review

Nominated for General Council, Society for Social Studies of Science (1995-1997)

Student Affairs Committee, Society for Social Studies of Science. (1993-1995)

Co-organizer, International Conference on the Social Science Research, Technical Systems and Co-operative Work. (1993)

Associate, Research Centre in Technological and Organizational Practice, University of Keele. (1990+)

Committee Member, Society for Social Studies of Science 1989 Annual Conference.

Member of Library Committee, Fondation les Treilles. (1988)

Co-organiser, Workshop on the History of Geophysics, Universite de Paris, I. (1988)

Founder and organiser of postgraduate seminar series, Department of History and Philosophy of Science. Melbourne. (1984)

Founded and edited Journal: 'English as She is Taught', Cameroun. (1980)

SELECTED PRESENTATIONS

2011

Keynote Speaker, Emerging Configurations of the Virtual and the Real, Chicago.

Emerging Configurations of Knowledge and Power, Humbolt University, Berlin..

New Forms of Knowledge Expression, University of Gothenberg, Sweden.

2010

Keynote Speaker, Memories of the Future, Ghent, Belgium.

Keynote Speaker, Transliteracies, UCSB.

The Future of Cyberscholarship, University of Pittsburgh

The State of Publication, Science Studies, University of Pennsylvania

2009

Cyberscholarship Studies, iSchool, University of Pittsburgh

2008

Representing Other Ways of Knowing, Berkeley I-School, Invited presentation. October

Memory Practices, Scientia Lecture Series, Rice University, February

Genome and Race in the Digital Age Workshop, Simon Fraser University, British Columbia, Invited Speaker, May 21-22

Software Studies Workshop, University California, San Diego, Keynote Speaker, June 4-8

Workshop on Mindful Work, University of Washington, Invited Speaker and Keynoter, June

STS Curriculum Workshop, Santa Clara University, Organizer and Teacher, August

Invitational NSF Workshop, Studies of Science, Technology and Sustainability, Washington D.C., Participant, September 24-27

Invitational Digital Innovation Workshop, Temple University, Philadelphia, Participant and Speaker, October 3-4
Video Vortex 3 Ankara Conference

Digital Innovation, Bay Area Management Seminar Series, Santa Clara University, Speaker

2008 American Anthropological Association Conference, San Francisco, Panelist, Organizer Multispecies Salon

Latour and the Enlightenment, 2008 MLA Convention, San Francisco, December

2007

Open Educational Resources Meeting, Hewlett Foundation, Half Moon Bay, Organizer, June

Digital Culture, Stanford University, Presentation to Comm Department, May

Boundary Object-Boundary Work Seminar, Grenoble, France, September

Land Use Informatics for Sustainability Workshop, University of Illinois, Speaker, September

Effective Engagement Through Information Technology, Univ of Wash Seattle, WA, Invited Speaker, October

Brownbag Lunch: Building a Infrastructure for Africa, Santa Clara University, October

Taking Games Seriously Seminar, Stanford University, November

NSF Workshop "Designing for Forgetting", UCLA, Speaker, November

Open Educational Resources Meeting, Hewlett Foundation, Half Moon Bay, Organizer, June

The Past and the Internet, Genealogical Practices, Humboldt-University, Berlin, Keynote Speaker

2006

Workshop on Science Studies in Italy, Sardinia, Keynote Speaker, June 2006

History and Theory of Infrastructure: Distilling Lessons for New Scientific Infrastructures, National Science Foundation, June 2006

Information Infrastructure and its Orphans, Vanderbilt University. April 2006

Access to Knowledge Conference, Yale Law School, April 2006 (Panel Moderator)

Presenter at Colloquium Series: Science, Technology, and Society, Cornell University. April 2006

Invitational Workshop: Oxford Internet Institute, February 2006

Memory Practices in the Sciences, Stanford Linear Accelerator, February 2006. Invited speaker.

The Fog of Data: Long Term Cyberinfrastructure, Palo Alto Research Center (PARC), February, 2006. Forum Speaker

Ethics and Politics of Search Engines, SCU, February 2006

Presentation at Networked Publics Forum, Annenberg Center, USC, January

Presentation: Memory Practices in the Science Stanford Linear Accelerator Center, February

Invitational Workshop: Oxford Internet Institute, Oxford Universit, Invited speaker and participant, February

The Fog of Data: Long Term Cyberinfrastructure,PARC, Forum speaker, February

Ethics and Politics of Search Engines, SCU, Presenter, February

Mindful Work and Technology workshop, University of Washington, Invited Participant, March

Presenter at Colloquium Series: Science, Technology, and Society Cornell University, April

Information Infrastructure and its Orphans (at Learning as Mobile Social Practice graduate seminar), Vanderbilt University, May
Workshop on Science Studies in Italy, Sardinia, Keynote speaker, Fall

2005

KSBaker, DRibes, FMillerand, GCBowker. Human Social Dynamics: Interoperability Strategies for Scientific Cyberinfrastructure. LTER Palmer NSF Review, May 8-9, Gloucester Point,VA.

FMillerand, DRibes, KSBaker, GCBowker. Comparative Interoperability Project: Collaborative Science, Interoperability Strategies, and Distributing Cognition. Artifacts and Collectives Workshop. 4-6 July, Lyon, France.

STS Forum Kyoto, Japan, Invited Participant

Principal Investigator's Meeting, Human Social Dynamics Program, National Science Foundation, Washington, DC Keynote speaker, September.

Distinguished Lecture Series, School of Information and Management Studies: Cyberinfrastructure for the Ages UC Berkeley, October

Presentation: Sorting Things Out Stanford, Department of Communication Presenter, October

Invitational Workshop: Exploratory conference on Designing Information and Organizations Cleveland, Speaker. September

Memory Practices in the Sciences, Scancor and Work Practices and Technology, Stanford University, May 2005

The Representation of the Past, SIMS Friday Seminar, University of California at Berkeley (January, 2005)

Memory Practices in the Sciences, Millercomm Lecture, University of Illinois at Urbana Champaign (April, 2005)

Courts for the 21st Century: Information Management, Queensland University of Technology (April 2005)

Biodiversity Datadiversity, Biodiveresity and Environmental Informatics Workshop (December 2004). http://www.evergreen.edu/bdei/

Memory and Cyberinfrastructure, James Martin Institute for Science and Civilisation, Oxford University (November, 2004)

Social and Organizational Design of Cyberinfrsatructure, e-Science Workshop, Oxford University (November, 2004)

Poster Presentation, with Shubhada Nagarkar, Designing a Biodiversity Database,

ICDL2004 (Delhi).

Collaborative Science and Information Management, Edinburgh University, August 2004.

Interoperability and Cyberinfrastructure, School of Communication, Northwestern University, April 2004.

U.S.-China Cooperation Program in Science Policy, Research, and Education, April 2004. Science and the Internet.
http://techcenter.gmu.edu/programs/science_trade_policy/us_china.html

Building Cyberinfrastructure, University of Tampere, Finland, School of Information, September 2003.

Memory and Science, University of Oulu, Finland, September 2003

Memory and the Internet, e(X)literature conference, Digital Cultures Project, University of California at Santa Barbara, August 2003

Cyberinfrastructure for the Ages, Lazarow Lecture, School of Information, University of Washington (Winter, 2002)

Plenary Speaker, Graduate Student Conference on Designing Digital Infrastructures (February, 2003)

'Organization and Information', Panel Session, American Accounting Association, San Diego (January, 2003)

'Memory and Money', Interdisciplinary Program on Memory, University of Illinois at Urbana Champaign (December, 2002)

'Biodiversity and Data sharing', Society for Social Studies of Science conference (November, 2002)

'Data Sharing in Science', Presentation to Directorate Heads, European Science Foundation (October, 2002)

'Data Sharing Policies: Social and Organizational Issues and Challenges', Global Research Village Conference, Warsaw (October, 2002)

'Values into Infrastructure', Invitational Workshop on Public Design, Information Law Institute, New York University (September, 2002)

'The Time of Cybernetics', Invited Speaker, Workshop on The New Ontologies,

Univeresity of Illinois, Urbana Champaign (May, 2002)

'Time, Money and Biodiversity', Invited Speaker, Conference on Global Anthropology, New York University, Prague (February 2002)

'Long Term Ecological Research Data', Conference on Digital Government, USC (February 2002)

Invited Speaker, International Conference on Digital Cultures, University of California, San Diego (March 2002)

'Classification and the Philosophy of Education', Invited Workshop on the Philosophy of Education, Free University of Brussels, Belgium (December, 2001)

'International Data Sharing in Science', OECD/CFSTP Working Group, Paris (October, 2001)

'Social and Organizational Issues' in Invited Workshop, Scaleable Architectures for Information Infrastructures, San Diego Supercomputer Center (September, 2001)

'Author Meets Critics session on Sorting Things Out', Society for Social Studies of Science conference (September, 2001)

'Reading databases', Society for Social Studies of Science conference (September, 2001)

Keynote Address, 'Nursing Classifications', Nursing Conference, Starved Rock, IL (August, 2001)

Keynote Discussant, 'Healthcare East and West', Harvard University (June, 2001)

Workshop Leader, 'The Politics of Data Structures', California Digital Cultures Conference (June, 2001)

Invited Workshop, 'Information Work', School of Information Studies, University of Washington, Seattle (May, 2001)

'Database and Data Superstructure: Scientific Culture and the Internet', Digital Cultures Conference, Santa Barbara (May, 2001)

Invited Talk, 'Sorting Classification Out', Cognitive Science Department, University of California at San Diego (April, 2001)

Leader, all day workshop on distributed knowledge, College of Education, University of Illinois at Urbana Champaign (February, 2001)

Invited Workshop on Scientific Collaborations, National Center for Ecological Analysis

and Synthesis (January, 2001)

Keynote Address, 'The Politics of Granularity', Participatory Design Conference, New York (December, 2000)

Classification Workshop, Computer Supported Cooperative Work Conference, Philadelphia (December 2000)

'Metadata in Biodiversity', Society for Social Studies of Science (September, 2000)

'Biodiversity Data and Work Practice', Very Large Database Conference, Cairo, Egypt (September, 2000)

Panellist on Communication and Information Technology, Binational Conference on Environmental Research and Policy, National Institute of Environmental Health Sciences, San Diego (June, 2000)

Invited Workshop on Scientific Collaborations, National Center for Ecological Analysis and Synthesis, May 2000.

'Modelling Distributed Knowledge Processes In Next Generation Multidisciplinary Alliances', Academia-Industry Research Conference on Working Challenges (April 2000)

'Sorting Classfication Out', Department of Information Studies, UCLA Speaker Series (February, 2000)

'Ontological Diversity and Biodiversity', Cornell STS Program Speaker Series (January, 2000)

'Sorting Things Out: Classification and its Consequences', Invited Workshop on Amateurs in Science, Cornell (January, 2000)

'Data Structures and Multidisiplinary Communication in Biodiversity', Society of Social Studies of Science (October, 1999)

'Software and Narratives', Society for Social Studies of Science (October, 1999)

'Biodiversity Datadiversity: Stories, Standards and Starlings', UCSD Science Studies Colloquium (October, 1999)

'Invisible Landscapes: Standardization and Classification in Cyberspace', Conference on the Philosophy of Technology, San Jose (August 1999)

'Biodiversity Datadiversity', Invited Workshop on GIS and Science Studies, University of Kentucky (April 1999)

'Standards and Metadata in Biodiversity Informatics', Institute for Food and Agricultural Standards, Michigan State University (February, 1999)

'Representation and Erasure in Nursing Informatics', UC San Diego, Department of Communication (November, 1998)

Poster on Metadata in Biodiversity (with Shubha Nagarkar), CIC conference on Metadata, UIUC. (November 1998)

'Teaming with Life: the Work of the President's Committee of Advisors on Science and Technology subcommittee on Biodiversity', invited keynote to National Federation of Abstracting and Information Services and US Geological Survey Symposium on Biodiversity Informatics, Virginia (November, 1998).

'The historiography of computing', Society for the History of Technology, Philadelphia (October, 1998)

'Name stability in the history of biology', ASIS Conference on the History of Information Science in the Sciences, Pittsburgh (October, 1998)

'Classifications and Standards in building Information Infrastructures for Social Worlds', The First Kyoto Meeting on ``Social Interaction and Communityware'', Kyoto, Japan (June 8-10, 1998)

'Social Informatics in the USA', Cognisciences, CNRS Meudon (May, 1998)

'How classifications work', Ecole de Science de l'Information Scientifique et Technique (SIST), Paris (May, 1998)

EPS Panel on distance education, University of Illinois (May, 1998)

'Nursing Classification and Nursing Administration', ASIS Annual General Meeting(November, 1997)

'How Classifications Work', School of Information and Management Studies, University of Berkeley, CA (November, 1997)

'Reading Classification Systems', Xerox PARC invited workshop (October, 1997)

'The Politics of Classification', Society for Social Studies of Science, Tucson, AZ (October, 1997)

'The road to the information superhighway', invited workshop on knowledge work, School of Management, Case Western Reserve University (June 1997)

Invited speaker on organizational memory, Jyvaskula University, Finland (May 1997)

'Lest we remember: organizational forgetting and the production of knowledge', School of Library and Information Science, UCLA (March, 1997)

'The future of distance education', Faculty Retreat on Learning Technologies, UIUC (February 1997)

'The development of hypermedia case studies for distance education', Plenary Session, ALISE (February, 1997)

'Lest we Remember' Center for Advanced Study noonhour presentation series, University of Illinois (November, 1996)

'The sociology of the Internet', invited discussant, L'Association des Responsables Communication de L'Enseignement Superieur, 'Pour une Communication branchee?', Sophia-Antipolis, France (June, 1996).

'Information infrastructure and organizational memory', invited speaker to the Interdisciplinary Group for Research in Information and Communication Science (URFIST-GIRSIC), Paris (December, 1995)

'Organizational Memory', Science Studies Seminar Series, University of Limburg, Netherlands (December, 1995)

'The architecture of difference', IFIPS International Conference, Cambridge, UK (December, 1995)

'Classification and Digital Libraries', Allerton Conference on Digital Libraries, UIUC (October, 1995)

'Lest we remember: organizational memory and the production of knowledge', invited speaker to Science Studies University, Cornell University (October, 1995)

(with Jesper Doepping), 'Dilemmas of visibility in a Nursing Interventions Classification', Society for Social Studies of Science (October, 1995)

Commentator, Session on the history of the Internet, Society for Social Studies of Science (October, 1995)

'Building an Information Infrastructure for Nursing: the case of NIC', Nursing Seminar Series, College of Nursing, University of Iowa (September, 1995)

'The History of Cybernetics and the History of Humanity', Invited Speaker to History of Science speaker series, Stanford University (March 1995)

'Organizational memory', School of Adminstration, Case Western Reserve University (February 1995)

'The study of organizational memory', Invitational Workshop on Organizational Memory, Institute for Research on Learning, Stanford, California (December, 1994)

'Temporal Patterns in a Universal Discipline', Workshop on Interdisciplinary and Instrumental Transfer Technologies, California Institute of Technology (November, 1994)

Comments on Bruno Latour, We have never been modern, Author meets Critics session, Society for Social Studies of Science (October 1994)

'Classifying tuberculosis', Society for Social Studies of Science (October 1994)

'Cybernetics as a universal language', invited speaker, Department of Communications and Information Science, Aalborg University, Denmark (June, 1994)

'*Schlumberger*'s representational practices', invited speaker, Center for the History of the Exact Sciences, Aarhuis, Denmark (May, 1994)

'The foundations of interdisciplinary work: the case of cybernetics', Distinguished Lecture Series, Department of Computer Science, Aarhuis University, Denmark (May 1994)

Workshop on the sociology and philosophy of Bruno Latour, Aarhuis University, Denmark (May 1994)

Workshop series on information management, Departments of Information Science and Computer Science, Aarhuis University, Denmark (May 1994)

'*Schlumberger*'s strategies', invited paper to conference on the social construction of industries and markets, Chicago (April, 1994)

'Dismembering and remembering: classication and organizational memory', presentation to invitational workshop on locating work practice in system design, Oksnoen, Norway (May, 1994)

'The universality of cybernetics', History of Science speaker series, University of Washington (February, 1994)

'The International Classification of Diseases as Historical Tool', Society for the History of Technology (October, 1993)

'Networked Collaborative Environments: models for arts and sciences', International Conference on Network Technologies, Warsaw (with Richard Giordano)

'Space, Time and Work Practice', Critical Theory Speaker Series, University of Illinois at Urbana/Champaign (September, 1993)

'Second Nature Once Removed; technology, representation and organization', Conference on Techonologies of Representation: organisational and institutional aspects, University of Warwick (December, 1992)

'Information Mythology: the world of/as information', Conference on Global Perspectives on Business Information, University of Reading (April, 1992)

'Graphs as Boundary Objects', AGM of British Psychological Society, History and Philosophy of Psychology Section, Lincoln University (April, 1992)

'Seeing and Believing: Representation in Science', Center for the History of Science, Technology and Medicine, University of Manchester (February, 1992)

'The Age of Cybernetics', Science Museum, London - invited speaker (November, 1991)

'Innovation as Configuration - the Organization of Large Medical Databases', Seminar on Intellectual Investment, CNRS, Paris (September 1991)

'Cybernetics in the Life Sciences', presentation to workshop on 'What defines 'cutting-edge' biology?' at the Massachusetts Institute of Technology - invited workshop (April 1991).

'Software and Hardware in Cybernetics', Seminar of the Center for Research into Innovation, Culture and Technology, Brunel University. (February, 1991).

(with Leigh Star) 'Situations vs Standards in Long- Term, Wide-Scale Decision-Making: the Case of the International Classification of Diseases', Hawaiian International Conference on Systems Science (January, 1991)

'Intellectual Property and the Courtroom: Schlumberger vs Halliburton, 1939', Department of Information and Computer Science, University of California at Irvine. (1989)

'The Foundations of Cybernetics' at Society for Social Studies of Science Annual Meeting. (1989)

'Schlumberger , A Historical Log' at Centre for the History of Science and Technology, Cite des Sciences et de l'Industrie, Paris. (1988)

'History of Geophysical Prospecting Techniques', postgraduate seminar in the History of Mining, University of Paris 1. (1988)

'The Sociology of the Centre for the Sociology of Innovation' at the International Workshop on the Study of Large Technical Systems, Technische Hochschule, Darmstadt. (1988)

'A Well-Ordered Reality', Second International Conference on the History of Technology, Twente, Netherlands. (1988)

PUBLICATIONS

a. Books Authored or Co-Authored
Science on the run: information management and industrial   science   at
Schlumberger,   1920-1940, (Cambridge, MA: MIT Press, 1994).

(with Susan Leigh Star) Sorting Things Out: Classification and its Consequences
(Cambridge   MA: MIT   Press,   1999.   Paperback   Edition   2000).
http://weber.ucsd.edu/~bowker/classification.

Memory Practices in Science, 1830-1990, Cambridge, MA: MIT Press, 2006.

b. Books Edited or Co-Edited (in print or accepted)
Co-Editor, Special Issue of Library Trends, 47(2) 'How Classifications Work: Problems
and Challenges in an Electronic Age', 1998.

Co-editor, Geoffrey C. Bowker, William Turner, Susan Leigh Star and Les Gasser (eds),
Social Science, Technical Systems and Cooperative Work: Beyond the Great Divide.
(Mahwah, NJ: Erlbaum, 1997)

Co-editor, Michel Serres (dir.), Introduction aux Histoires des Sciences, (Paris:
Bordas, 1989). Translated into Spanish; English translation (published by Blackwell).

Editor, Special Issue on the History of Computing at Manchester, Annals of the History
of Computing (1993).

c. Chapters in Books (in print or accepted)
 'Recherche Industrielle et Industrialisation de la Recherche', Culture Technique ,
(Paris: CNRS, 1988), 146-153.

'Un realité bien ordonné; Aspects du développement de Schlumberger,
1920-1939, Culture Technique, (Paris: CNRS, 1988): 239-258.

'The Sociology of the Centre for the Sociology of Innovation', in Ordnung,
Rationalisierung, Kontrolle, (T.H. Darmstadt, 1989), 73-82.

'Pictures from the Subsoil, 1939' in J. Law (ed.), Picturing Power: Visual Depiction
and Social Relations, Sociological Review Monograph, 35, 1989: 221-254.

'In Defence of Geology; the origins of Lyell's uniformitarianism', in   Michel
Serres   (dir.), Introduction aux Histoires des Sciences, (Paris: Bordas, 1989): 387-405.

'The Industrialisation of Science', in Michel Serres (dir.), Introduction aux Histoires
des Sciences, (Paris:Bordas, 1989): 469-492.

'What's in a Patent?', in Wiebe Bijker and John Law, eds., Constructing

technology - designing society, (Cambridge, MA: MIT Press, 1992): 53-74.

(with Leigh Star - Bowker first author), 'Knowledge and Infrastructure in International Information Management: Problems of Classification and Coding' in L. Bud-Frierman (ed.), Information Acumen: the understanding and use of knowledge in modern business (London: Routledge, 1994): 187-216.

'Information Mythology: the world of/as information' in L. Bud-Frierman (ed.), Information Acumen: the understanding and use of knowledge in modern business (London: Routledge, 1994): 231-247

'In Defence of Geology; the origins of Lyell's uniformitarianism', in Michel Serres (ed.), Elements of the History of Science (Oxford: Blackwell, 1995).

'The Industrialisation of Science', in Michel Serres (ed), Elements of the History of Science (Oxford: Blackwell, 1995).

(with Stefan Timmermans and Leigh Star - Bowker second author), 'The Architecture of Difference: visibility, discretion, and comparability in building a nursing intervention classification' in A.M. Mol and M. Berg (eds), Difference in Medicine: Unraveling Practices, Techniques and Bodies, Raleigh, NJ: Duke, 1998, pp.202-225.

(with Leigh Star - Bowker first author), 'Social Theoretical Issues in the Design of Collaboratories: Customized Software for Community Support vs. Large Scale Infrastructure" in Gary M. Olson, Thomas W. Malone, and John B. Smith (eds). Coordination theory and collaboration technology. Mahwah, N.J.: Lawrence Erlbaum Associates. 2001.

(with Stefan Timmermans and Leigh Star - Bowker second author), 'Infrastructure and organizational transformation: classifying nurses' work' in Wanda Orlikowski et al (eds), Information Technology and Changes in Organizational Work, London: Chapman and Hall, 1996, pp.344-370.

'The History of Information Infrastructures' in Trudi Bellardo Hahn and Michael Buckland (eds), Historical Studies in Information Science, Medford, NJ: Information Today, pp.81-93. 1997.

(with Rob Kling, Susan Leigh Star, Sara Kiesler, Phil Agre, Paul Attewell, Celestine Ntuen) Human Centered Systems in the Perspective of Organizational and Social Informatics, Chapter 5 of *Human Center Systems* For the National Science Foundation. Thomas Huang and James Flanigan (Editors). http://www.slis.indiana.edu/CSI/wp97-04.html

'Building Information Infrastructures for Social Worlds – the role of classifications and standards' in Toru Ishida (ed), Community Computing and Support Systems, Berlin: Springer Verlag, 1998, 231-248.

(with Toyoaki Nishida, Jon Mason, Toshiaki Miyashita, Katashii Nagao, Toshikazu Nishimura, Takeshi Ohguro, Charanjit Sidhu, Yasuyuki Sumi, Peter van den Besselaar and Makoto Yokozawa), 'Methodology for Large-Scale Experimentation: A Discussion Report' in Toru Ishida (ed), Community Computing and Support Systems, Berlin: Springer Verlag, 1998, 11-15.

'The PCAST report and Metadata' in Proceedings of the National Federation of Abstracting and Indexing Societies Conference on Metadiversity, 1999.

(with Laura Neumann and Susan Leigh Star, Bowker second author), 'Transparency beyond the Individual Level of Scale: Convergence between Information Artifacts and Communities of Practice', in A.P. Bishop (ed.), Digital Library Use: Social Practice in Design and Evaluation, Cambridge, MA: MIT Press, 2005.

'The Game of the Name: Nomenclatural Instability in the History of Botanical Informatics', in Robert V. Williams (ed.), *The History of Information Science*, 1999.

(with Susan Leigh Star), 'How to Infrastructure' in Leah Lievrouw and Sonia Livingstone (eds), Handbook of the New Media, London: Sage, 2002.

'Work and Information Practices in the Sciences of Biodiversity' in Proceedings of the Very Large Database Conference, Cairo, Egypt, September 2000.

Section author (informatics) of Binational Conference on Environmental Research and Policy (http://www.sdsc.edu/niehsconference/report.html), June 2000

(with Shubada Nagarkar and Kanchanganga Gandhe; Bowker third author), 'Design and Implementation of Metadata for Indian Fungi (Heterobasidiomycetes): Lessons From Library and Information Science Field' in Proceedings, International Conference on Dublin Core and Metadata Applications , 2001.

'The classification of diseases across cultures', Proceedings, Healthcare East/West Conference, MIT, June 2001.

'Information Technology', Oxford Encyclopedia on Science and Technology Studies, in press.

'Time, Money and Biodiversity' in A. Ong and S. Collier (eds), Global Anthropology, 2003.

'Classifying Nursing Practice', in Joanne Dochtermann (ed), Nursing Classification Systems, ANA, 2004.

FMillerand, GCBowker, Metadata, trajectories et « énaction ». In C. Rosental (Ed.), *Sciences sociales et cognition.* Paris: Editions de l'EHESS, Coll. Enquête, 2008: 277-305.

FMillerand, GCBowker, (in press). Metadata Standards. Trajectories and Enactment in the Life of an Ontology. In S. L. Star & M. Lampland (Eds.),*Formalizing Practices: Reckoning with Standards, Numbers and Models in Science and Everyday Life.* 2009.

'Biodiversity and Globalization' in N. Thryft and S. Woolgar (eds.), Practicing Globalization. Oxford: Oxford University Press, forthcoming 2012.

GCBowker, KSBaker, FMillerand, DRibes, Towards Information Infrastructure Studies: Ways of Knowing in a Networked Environment. In International Handbook of Internet Research. Springer. JHunsinger, MAllen, and LKlasrup (eds)

'What's in a Fold?' in C. Jensen (ed.), *Deleuze and Science Studies*, 2010.

'The Ontological Priority of Mediation' in Melanges for Michel Callon, Ecole des Mines: Paris, 2010.

(with Paul Edwards, Cory Knobel and Steven Jackson), 'The Long Now of Cyberinfrastructure, in William Dutton and Paul Jeffreys (eds), in World Wide Research: Reshaping the Sciences and Humanities, Oxford: Oxford University Press, 2010.

e. Articles in Journals (in print or accepted)
'A Well Ordered Reality: Aspects of the Development of Schlumberger , 1920-1939', Social Studies of Science, 17, 1987, 611-655.

(with Bruno Latour - Bowker first author), 'A Booming Discipline Short of Discipline, (Social) Studies of Science in France', Social Studies of Science, 17, 1987, 668-694.

 (with Leigh Star - Bowker first author), 'Situations vs Standards in Long-Term, Wide-Scale Decision-Making: the Case of the International   Classification   of Diseases', Proceedings of the Twenty-Fourth Annual Hawaii International Conference on System Science, 1991: 73-81.

'UK National Archive for the History of Computing', IEEE Annals of the History of Computing, 14 (2), 1992, 53-54.

'Constructing Science, Forging Technology and Manufacturing Society; an Essay Review of B. Latour Nous n'avons jamais été modernes and D. MacKenzie, Inventing Accuracy; a historical sociology of nuclear missile guidance', Studies in the History and Philosophy of Science, 24, 1992: 147-155.

 "How to be Universal: Some Cybernetic Strategies', Social Studies of Science, 23 (1),

1993, 107-127, Social Studies of Science, 23 (1), 1993, 107-127.

(with J.V. Pickstone - Bowker first author) 'The Manchester Heritage', Annals of the History of Computing, 15(3), 1993, 6-8.

(with Richard Giordano - Bowker first author) 'Interview with Tom Kilburn', Annals of the History of Computing, 15(3), 1993, 17-32.

 (with Howard Sankey - Bowker equal first author) 'Scientific Rationality versus Social Construction', Cogito, 8, 1994, 38-44.

 (with Howard Sankey - Bowker equal first author) 'Truth and Reality in Social Constructivism', Arena, 2, 1994, 233-252.

 'Second Nature Once Removed: time, space and representations' Time and Society, 4(1), 1995, 47-66.

'The History of Information Infrastructures - the Case of the International Classification of Diseases', in Information Processing and Management, Special Issue on the History of Information Science, 32(1), 1996, 49-61.

'How Things Change: the History of Information Infrastructures', Essay review of Alain Gras, Grandeur et Dépendence and Alain Gras, Caroline Moricot, S. Poirot-Delpech and V. Scardigli, Face à l'Automate, Social Studies of Science, 26, 1996, 173-182.

 (with Leigh Star - Bowker first author), 'How things (actor-net)work: Classification, magic and the ubiquity of standards', in special issue of the Danish philosophical journal Philosophia titled 'Thinking in the World - Humans, Things, Nature', 25 (3-4), 1997:195-220.

(with Marc Berg - Berg first author) 'The Multiple Bodies of the Medical Record - Towards a Sociology of an Artefact' in The Sociological Quarterly, 38, Summer 1997: 513-37.

'Lest We Remember: Organizational Forgetting and the Production of Knowledge', in Accounting, Management and Information Technology, 7 (3) 1997: 113-138.

(with Leigh Star - Bowker second author), 'Lungs and Lungers: the Classification of Tuberculosis', Mind, Culture and Activity. Reprinted in Anselm Strauss and Juliet Corbin (eds), Grounded Theory in Practice, London: Sage, 1997.

 'Modest Reviewer goes on a Virtual Voyage: some recent literature of cyberspace', Technology and Culture, 39(3), 1998: 499-511.

'A Room with a View - commentary on Gail Bader and James M. Nyce, 'Theory and Practice in the Development Community: Is There Room for Cultural Analysis?", in Journal of Computer Documentation, 22 (1), 1998: 11-13.

'Problèmes de classification et de codage dans la gestion internationale de l'information' in Raisons Pratiques, 8, 1997: 283-310.

'Archival technology in the historical sciences 1800-1997' in History of Technology, 15, 1998: 69-87.

'L'Histoire des Infrastructures Informationnelles' in Solaris, 1998.

(with John Schnase, Meredith Lane, Leigh Star, Abraham Silberschatz), 'Building The Next Generation, Biological Information Infrastructure', in Proceedings of the National Academy of Sciences Forum on Nature and Human Society: The Quest for a Sustainable World, National Academy of Sciences: Washington, DC, 2000. http://books.nap.edu/books/0309065550/html/291.html.

(with Merri Beth Lavagnino, P. Bryan Heidorn, Mindy Miron Basi) 'Incorporating Social Informatics into the Curriculum: The Use of Case Studies to Train Library and Information Science Professionals', Libri, 48(1), March 1998: 13-25.

(with Mike Robinson), 'A conversation theoretic approach to social systems revisited'in IJHCI (formerly IJMMS) Ed. Brian Gaines. Gordon Pask Special Issue. Eds. R.Glanville, B. Scott.

(with Leigh Star), 'Classification in the Wild' in Library Trends, , 47(2): 185-189.

'The Kindness of Strangers: Kinds and Politics in Classificatory Systems' in Library Trends, 47(2): 255-292.

(with Christine Jenkins, Caroline Haythornthwaite and Boyd Rayward), 'Mapping the Dimensions of a Dynamic and Evolving Field' in Journal of the American Society of Information Scientists 50th Anniversary Issue "Taking Stock for the Future", Journal of the American Society for Information Science, 50(12), 1092-1094.

(with Mark Spasser and Susan Leigh Star; Bowker first author), 'The Politics of Nursing Informatics' in Journal of Online Nursing, March, 2000 - http://www.nursingworld.org/ojin/tpc7/tpc7_6.htm.

(with Leigh Star), 'Invisible Mediators of Action: Classification and the Ubiquity of Standards', in Mind, Culture and Activity7(1&2), 2000: 147-163.

(with William H. Kaghan), 'Out of machine age?: complexity, sociotechnical systems and actor network theory', special issue of The Journal of Engineering and Technology Management entitled "Beyond Sociotechnical Systems, 18 (3-4), 253-269

Alaina G. Kanfer, Caroline Haythornthwaite, Bertram C. Bruce, Geoffrey C. Bowker, Nicholas C. Burbules, Joseph F. Porac and James Wade, 'Modeling Distributed Knowledge Processes in Next Generation Multidisciplinary Alliances' in <u>Information Systems Frontiers</u>, 2(3/4), 317-331, 2000

'Biodiversity Datadiversity', <u>Social Studies of Science</u>, 30(5), 643-684, 2001.

'Mapping Biodiversity', <u>International Journal of GIS</u>, 14(8), 739-754, 2000.

'Pure, Real and Rational Numbers: The American Imaginary of Countability', <u>Social Studies of Science</u>, 30(3), 2001: 422-425.

(with Lonny Brooks; Brooks first author), 'Playing at Work: Understanding Future Work Practices at IFTF' in special issue onWork, Difference, and the New Media Industries in <u>The Journal of Information, Communication and Society</u> 4(4): 2001.

(with Katie Vann; Vann first author), 'Instrumentalizing the Truth of Practice', <u>Social Epistemology</u>, 15(3), 2001: 247-262.

(with Katie Vann; Bowker first author), 'Knowledge Management in Distributed Collective Practice', <u>Journal of the American Society for Information Science</u>, 2002.

(with Karen Baker), Designing an Infrastructure for Heterogeneity of Ecosystem Data, Collaborators, and Organizations, <u>The Network News</u>, 14(2), 2001. http://intranet.lternet.edu/archives/documents/Newsletters/NetworkNews/fall01/fall01_pg09.html

(with Peter Arzberger and others; Bowker first author), 'OECD Follow-up Group on Issues of Access to Publicly Funded Research Data, <u>D-Lib Magazine</u>, 8(7/8), 2002. http://www.dlib.org/dlib/july02/07inbrief.html#ARZBERGER

The Past and the Internet, SSRC, Items and Issues (4,4), Winter 2003-2004. http://www.ssrc.org/publications/items/current.page

P Arzberger, P Schroeder, A Beaulieu, G Bowker, K Casey, L Laaksonen, D Moorman, P Uhlir & P Wouters, 'Promoting Access to Public Research Data for Scientific, Economic, and Social Development' in Data Science Journal, November 2004. pp.135-152. http://www.datasciencejournal.org/

Arzberger, P., Schroeder, P., Beaulieu, A., Bowker, G., Casey, K., Laaksonen, L., Moorman, D., Uhlir, P., & Wouters, P. (2004) An international framework to promote access to data. *Science* 303, 1777-78. (March 2004)

Helena Karasti, Karen Baker, Geoffrey C. Bowker, ECSCW 2003 Computer Supported Scientific Collaboration (CSSC) Worskhop Report, ACM GROUP Bulletin, 2004.

'Cognitive Work and Material Practice', Journal of the Learning Sciences 14, 1. 2005

William N. Kaghan and Geoffrey C. Bowker, **Critical Perspectives on Accounting Volume 15, Issue 3** , April 2004, Pages 325-329 Accounting practices and networks of accountancy: a comment on 'What is measured counts' by Kala Saravanamuthu

Berg, Marc / Bowker, Geoffrey C. (1997): The multiple bodies of the medical record: Toward a sociology of an artifact. Sociological Quarterly, 38, 3, 513-537 Translated in to Czech: for Biograf (ISSN 1211-5770) Publisher: Virtualni institut (The Virtual Institute), 2005.

Caroline Haythornthwaite, Karen J. Lunsford, Geoffrey C. Bowker, and Bertram C. Bruce, 'Challenges in the Practice and Study of Distributed, Interdisciplinary Collaboration' in New Infrastructures for Knowledge Production: Understanding E-Science edited by Christine Hine, London: Sage, 2005.

Katie Vann and Geoffrey C. Bowker, Interest In Production: On The Configuration Of Technology-Bearing Labours For Epistemic-It in New Infrastructures for Knowledge Production: Understanding E-Science edited by Christine Hine, London: Sage, 2005..

KSBaker, DRibes, FMillerand, GCBowker, 2005. Interoperability Strategies for Scientific Cyberinfrastructure: Research Practice. Proceedings American Society for Information Systems and Technology.

DRibes, KSBaker, FMillerand, GCBowker, 2005. Comparative Interoperability Project: Configurations of Community, Technology, and Organization. Proceedings of the Second ACM/IEEE-CS Joint Conference on Digital Libraries. New York, ACM Press.

KSBaker, GCBowker, FMillerand, DRibes, 2005. Continuing an Ethnographic Approach - Interoperability Strategies for Scientific Cyberinfrastructure: A Comparative Study. LTER Network Newsletter Spring 2005,

WTurner, GBowker, LGasser, and MZackland, 2006. Information Infrastructures for Distributed Collective Practices. Computer Supported Cooperative Work. Springer, p1-18

Star, S. L. and Bowker, G. C. 2007. Enacting silence: Residual categories as a challenge for ethics, information systems, and communication. *Ethics and Inf. Technol.* 9, 4 (Dec. 2007), 273-280

KSBaker and GCBowker, 2007. Information Ecology: Open System Environment for Data, Memories and Knowing, Journal of Intelligent Information Systems. BDEI Special Series.

Hernández-Ramos, Pedro and Bowker, Geoffrey (2008): *In Absentia: Designing for Social Learning*. In Computer Supported Cooperative Work, 17 (1) pp. 87-90

Geoffrey C. Bowker and Ray Chou, 2009. Ashby's Notion of Memory. International Journal of General Systems.

Steve Jackson, Geoffrey C. Bowker et al, Collaborative Rhythm: Temporal Dissonance and Alignment in Collaborative Scientific Work, Proceedings of Computer Supported Co-operative Work. 2011.

Paul Edwards, Geoffrey C. Bowker et.al., 'Metadata Friction', Social Studies of Science, forthcoming 2011.

h. Book Reviews (in print or accepted)
Review of Daniel Bovet, Une Chimie qui guérit: histoire de la découverte des sulfamides, Annals of Science, 48, 1991, 404-405.

Review of Wiliam Aspray, John von Neumann and the History of Computing, British Journal for the History of Science, 25, 1992, 386-387.

Review of E. Roy Weintraub (ed), Toward a History of Game Theory in British Journal for the History of Science, 27, 1994, 239-240.

Review of M. Heim, The Metaphysics of Virtual Reality, Journal of Economic and Social Intelligence, 3, 1993, 167-168.

Review of Barbara Adam, Time and Social Theory, The Sociological Review, 39, 1991, 843-845

Review of David Nye, American Technological Sublime, The Information Society, 1996

Review of Raymond Stokes, Opting for Oil, Isis, 1996.

Review of Wieber Bijker, Of Bicycles, Bakelites, and Bulbs in Metascience, 1996.

Review of Phil Agre, Technology and Privacy: The New Landscape in Information Processing and Management, in Information Processing and Management, 35, 1999: 718-719.

Review of Peter J. Taylor, Saul E. Halfon, Paul N. Edwards, Changing life : genomes, ecologies, bodies, commodities in Technology and Culture, January 2000, 179-181.

Review of Janet Abbate, <u>Inventing the Internet</u> in <u>Business History</u>, 42 (4), 225-226.

Review of Bonnie Nardi and Vicki O'Day, 'Information Ecologies: Using Technologies with Heart' in <u>CSCW: An International Journal</u>, 10: 143-145, 2001.

Review of Elaine Svenonius, <u>The Intellectual Foundation of Information Organization</u> in <u>Information Processing and Management</u>, 37, 2001: 763-764.

Review of Slava Gerovitch, From Newspeak to Cyberspeak, Technology and Culture, 45(1), 2004: 208-209.

Review of Steven Darian, Understanding the Language of Science, Isis, 95(4), 2004: 756.

j. Other

Columns:
Editor of the 'Happenings' column in the <u>Annals of the History of Computing</u>, describing recent and forthcoming events of interest to the history of computing community.

Committee Reports:
Co-author, 'Teeming With Life', Report commissioned by the President's Committee of Advisors on Science and Technology, February 1998.

Co-author, 'Recommendations on Indigenous Knowledge', International Council of Scientific Unions, June 2001.

Section Editor, Scalable Information Networks for the Environment (SINE), NSF
www.sdsc.edu/pbi

PEdwards, SJJackson, GCBowker, CPKnobel (2007) Understanding Infrastructure: Dynamics, Tensions, and Design. NSF Report

SJJackson, PEdwards, GCBowker, Archer Bachellier (2008), Building a Knowledge Infrastructure for Africa, Report for NSF and World Bank.

Popular Press

On the Web, everything except sharing : Creating a Digital Commons for Data Would Help Us Tackle Global Problems. Geoffrey C Bowker, San Jose Mercury News, 2005

Public too tolerant of intrusions. Geoffrey C Bowker, San Jose Mercury News, 2007

Publication in wide-circulation journal:
(with Leigh Star - Bowker second author), 'Work and Infrastructure' in <u>Communications of the ACM</u>, Special Issue on 'Representations of Work', 38, September 1995, 41.

Encyclopedia:
'The Knowledge Economy and Policy Issues' in <u>Encyclopedia of Life Support Systems (EOLSS)</u>, Paris: UNESCO.

Actor Network Theory, Blackwell Encyclopedia of Sociology, 2007..

WORK IN PROGRESS

My overriding research question is an examination of the relationship between information infrastructure and knowledge. By this, I mean how the way in which information gets stored (in books, articles, filing cabinets) and distributed (through letters, scientific articles, electronic mail) relates to the nature of the knowledge produced. My central research goal is to achieve a new understanding thereby of the nature of knowledge and its relationship with information.

My recent volume, Memory Practices in the Sciences, is the first of a trilogy. The second, How to Read Databases, will use narrative and linguistic analysis inter alia to proivde a language for a rich social and organizatonal reading of database forms on the one hand and an understanding of the resulting limits to our reading of the world on the other. The third will be a more general treatment of the past within the earth and life sciences (modes of storytelling, modes of archiving and the nature of edivence).

SKILLS

Fully fluent in French (have translated many articles from French into English for publication in academic journals); good reading of German and fair of Italian.TEFL Certificate, International House, London. Certificate for   teaching English   as   a   Foreign Language. Completed three month programming course at CDI, London - programming in COBOL and Basic. Courses in Smalltalk (object-oriented language), JAVA and LISP.