

**Chancellor's Distinguished Fellows Program
2006-2007
Selective Bibliography
UC Irvine Libraries**

John Seely Brown

April 4, 2007

Prepared by:

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Books, Edited Works and Book Chapters (including Translations)

(Holdings correspond to UCI Libraries LL= Langson Library; SL=Science Library)

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Zhao, Feng, and Brown, John Seely (2005). "Ecological Computing," in *Environmentalism & The Technologies of Tomorrow*, edited by Robert Olson and David Rejecscki. Washington, DC: Island Press, 53-60. Call Number: LL **HC 79 E5 E597 2005**

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Brown, John Seely and Duguid, Paul (2000). "Mysteries of the Region: Knowledge Dynamics in Silicon Valley," in *The Silicon Valley Edge: A Habitat for Innovation and Entrepreneurship*, edited by Chong-Moon Lee. Stanford, CA: Stanford University Press: 16-39. Call Number: LL **HC 107 C22 S3965 2000**.

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Chinese Edition: (complex characters), Taiwan: Prophet Press, 2001

Japanese Edition: Tokyo: Nihon Keizai Shimbun Sha, Inc., 2001

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Harris, Craig, ed. (1999) with Introduction by John Seely Brown. *Art and Innovation: The Xerox PARC Artist-in-Residence Program.* Cambridge, MA: MIT Press.

Dissertation

A Symbiotic Theory Formation System, University of Michigan, 1972

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Brown, J. S. (2006). "New Learning Environments for the 21st Century: Exploring the Edge," *Change*, September/October: 19-26.
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DeKleer, J, and Brown, J. S. (1984). "A Qualitative Physics Based on Confluences." *Artificial Intelligence* 24: 7-83.

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Gyr, J.W., Brown, J. S. and Cafagna, A.C. (1967). "Quasi-formal Models of Inductive Behavior and Their Relation to Piaget's Theory of Cognitive Stages." *Psychological Review* 74: 272-290.

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Gyr, J.W., Ash, W., Brown, J. S., Willey, R., and Zivian, A. (1966). "Computer Simulation of Perceptual Motor Skills," *Perceptual Motor Skills* 23: 793-794.

Selective Conference Proceedings, Presentations, Working Papers and Government & Technical Reports

Brown, J. S. and Hagel, J. (2006). "Connecting Globalization and Innovation: Some Contrarian Perspectives." Annual Meeting of the World Economic Forum, January 25-30.

Fischer, G., Brown, J. S. and Burton, R.R. (1978). "Aspects of a Theory of Simplification, Debugging, and Coaching," *Proceedings of the Second National Conference of the Canadian Society for Computing*.

Brown, J. S. (1975). "Uses of Artificial Intelligence and Advanced Computer Technology in Education." in *Computers and Communications: Implications for Education: Proceedings of the Conference on Computer Technology in Education for 1975*, edited by Robert J. Seidel and Martin Rubin. NY: Academic Press. Call Number: LL **LB 1028.3 C65 1975**.

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Brown, J. S., Burton, R.R. and Zdybel, F. (1973). "A Model-Driven Question Answering System for Mixed-Initiative Computer Assisted Instruction," *IEEE Transactions on Systems, Man and Cybernetics*.

Brown, J. S. (1973). "Steps Toward Automatic Theory Formation," *Proceedings of the International Joint Conference on Artificial Intelligence*.

Brown, J. S., and Rubenstein, R. (1973). *Recursive Functional Programming for Students in the Humanities and Social Sciences*. Irvine, CA: School of Social Sciences, University of California, #18. Call Number: LL **H31 C3 no. 18**

Brown, J. S., Burton, R. R., and Zdybel, F. (1972). *A Model Driven Question-Answering System for a CAI Environment*. Irvine, CA: Dept. of Information and Computer Science, University of California, Irvine, #13. Call Number: **SL Z699 C3 no. 13**

Inventions & Patents

Digital Highlight Color Copier. Patents pending

Relabeling of tokenized symbols in fontless structured document image representations. USP 6,275,301. August 2001.

Using fontless structured document image representations to render displayed and printed documents at preferred resolutions. USP 6,011,905. January 2000.

Method and apparatus for supplementing significant portions of a document selected without document image decoding with retrieved information. USP 5,748,805. September 1998.

Digital Imaging System using two-dimensional input sensor array and output light valve. USP 5,627,662. May 1997.

Document Copy Authentication, USP 5,157,726. October 1992

Selective Interviews & Podcasts

Brown, J. S. on Web 2.0 and the Culture of Learning with Steve Hargadon, January 10, 2007 - <http://www.stevehargadon.com/2007/01/john-seely-brown-on-web-20-and-culture.html>

An interview with John Seely Brown (1999) by Lawrence M. Fisher. *Strategy & Business*, Issue 17: 86-95.

Future Talk: Conversations About Tomorrow (1998) by Larry King with Pat Piper. HarperCollins: 235-246.

Special Activities, Congressional Testimony and Media Presence

ACM Newell Award Committee, 2000-2006

Judge, Merrill Lynch Forum's Innovation Grants Competition 1998, 1999, 2000

Judge, Harvard Business Review McKinsey Award, 1998

Congressional Testimony, "Capitalizing on the Nation's Knowledge: Making Use of What We Know," before the Subcommittee on Science, Technology, and Space of the Committee on Commerce, Science and Transportation, United States Senate, Washington, DC, September 15, 1989.

Congressional Testimony, "The Impact of the Information Age on the Conduct and Communications of Science," before the Committee on Science and Technology, Washington, DC, September 1985.

Member of Research Briefing Panel for White House Science Advisors on Cognitive Science and Artificial Intelligence, National Academy of Sciences, Washington, DC June 27-28, 1983.

Co-Chairman, Research Panel on Information Technology in PreCollege Education, National Academy of Sciences, Washington, DC, August 1984.

Guest on MacNeil-Lehrer Report: Computers in the Classroom, July 8, 1982.

Congressional Testimony, "Computers in a Learning Society," before the Committee on Science and Technology, Washington, DC, October, 1977.

Honors, Honorary Degrees, Awards, Societies & Current Corporate Affiliations

Honorary Doctorates

University of Michigan, Honorary Doctor of Science, April 30, 2005

Claremont Graduate University, Honorary Doctor of Humane Letters, May 15, 2004

London Business School, University of London, Honorary Doctor of Science in Economics, July 5, 2001.

Brown University, Honorary Doctor of Science, May 29, 2000.

Honors

Industry Hall of Fame – Inducted November 2004

Citation of Excellence, Emerald Management Review, for authoring one of the top fifty management articles of 2003: “Local Knowledge: Innovation in the Networked Age” Management Learning, Vol. 33, No. 4, 2003.

National Associate of the National Academics, 2003

Software Development Forum Visionary Award, 2002

Fellow, The Batten Institute, Darden Graduate School of Business Administration, University of Virginia, 2002

Director’s Award for exemplary service to the Central Intelligence Agency and the Intelligence Community as a member of the In-Q-Tel Board of Trustees from 1999 to 2001, awarded by Director of Central Intelligence, December 2001

Fellow, American Association for the Advancement of Science, 2001

Fellow, International Leadership Forum, 2001.

Harvard Business Review 2001 McKinsey Award for the articles “Your Next IT Strategy”

Senior Fellow, the Design Futures Council, December, 2000.

Brown University 100 most distinguished alumni of the 20th century.

Teleos and Work Frontiers International Ten Most Admired Knowledge Leaders, 2000.

Fellow, International Academy of Management, June 1998.

Harvard Business School Service Award, 1998.

Winner of the 1998 Industrial Research Institute Medal for outstanding accomplishments in technological innovation.

Winner of the Holland Award in recognition of the best paper published in *Research Technology Management Magazine* in 1998 (“Seeing Differently: A Role for Pioneering Research”).

Fellow, World Economics Forum, 1994-1998.

Bronze Medal: Ethnic/Cultural Film and Video Production 1994, Worldfest ’94, The Charleston International Film Festival, for the videotape “Art * Lunch * Internet * Dinner.”

Harvard Business Review 1991 McKinsey Award for the article “Research that Reinvents the Corporation.”

Fellow, American Association for Artificial Intelligence, 1990.

Board of Directors – Public Companies

Amazon.com, 2004 – <http://www.amazon.com>

Polycom, Inc., 1999 – <http://www.polycom.com/home/>

Varian Medical Systems, 1999 – <http://www.varian.com/>

Corning Incorporated, 1995 – <http://www.corning.com/>

Board of Directors – Private Companies

Diode Solutions, 2005 – <http://www.diodesolutions.com/>

Acuitus, 2003 – <http://www.acuitus.com/>

Cassatt Corporation, 2003 – <http://www.cassatt.com>

Beck Construction, 1999 – <http://thebeckgroup.com>

Board of Trustees - Not-for-Profit Organizations

Brown University, 2001- <http://www.Brown.edu>

The John D. and Catherine T. MacArthur Foundation, 2000-
<http://www.macfound.org/site/c.lkLXJ8MQrH/b.855229/k.CC2B/Home.htm>

In-Q-Tel, 1999- <http://www.in-q-tel.com/>

Founder

Founder, Institution for Research on Learning - <http://www.irl.org>

Founding Co-Director, MEMS Industry Group -
<http://www.memsiindustrygroup.org/>

Advisory Boards - Companies

Nanostellar, 2004- <http://www.nanostellar.com>

Ambient Devices, Advisory Board 2004- <http://www.ambientdevices.com>

Samsung Advanced Institute of Technology's Science Advisory Board, 2004-

Groxis, Technical & Strategy Advisory Board, 2004-
<http://www.n2tec.org/partners/groxis.asp>

Forstmann Little & Co., Advisory Board, 2000-

General Motors, Science Advisory Committee, 1999-2005

E.M. Warburg Pincus & Co., Inc. Technical Advisory Board, 1989-

Advisory Boards - Institutions

Singapore's Scientific Advisory Board of the New National Research Foundation, 2006

Humanities, Arts, Science and Technology Advanced Collaboratory Advisory Board, 2004-

Art Center College of Design, Media Design Program Brain Trust, 2004-

Stanford Project on Regions of Innovation and Entrepreneurship, Advisory Board, 2004

Brown University Advisory Council on Computing & Information Technology, 2004

National Center for Atmospheric Research, Advisory Council, 2003-

University of California at Santa Barbara, Center for Information and Technology in Society, Advisory Board, 2003-

Berkeley Institute of Design, Executive Board, 2002

Banco Bilbao Vizcaya Argenteria Foundation, 2001

Santa Clara University, Center for Science, Technology and Society Advisory Board, 1999-

University of California, Berkeley, Industrial Advisory Board, Dept. of Electrical Engineering and Computer Sciences, Berkeley, CA, 1997-

Massachusetts Institute of Technology Corporation, Corporation Visiting Committee for Architecture and Media Arts and Sciences, Cambridge, MA, 1995-

Professional Society Memberships:

American Physical Society - <http://www.aps.org>

American Association for Artificial Intelligence - <http://www.aaai.org>

American Association for the Advancement of Science - <http://www.aaas.org>

Association for Computing Machinery - <http://www.acm.org>

International Academy of Management - <http://www.intam.co.uk/>

National Academy of Education - <http://www.naeducation.org/>

Current Editorial Boards:

International Journal of Management Concepts and Philosophy

MIT Sloan Management Review

About John Seely Brown & Web Presence

John Seely Brown - www.johnseelyBrown.com/

Architecting School 2.0 - <http://www.speedofcreativity.org/2007/01/21/architecting-school-20/>

Urges Shift in Engineering School - <http://www.itworld.com/Career/3710/061201schoolshift/pfindex.html>

Wikipedia Entry - http://en.wikipedia.org/wiki/John_Seely_Brown

John Seely Brown is a researcher who specializes in organizational studies with a particular bend towards the organizational implications of computer-supported activities. This is a collection of the best John Seely Brown quotes: 25 John Seely Brown Quotes. 1. "Core participants tend to focus on transactions rather than investing in the long-term effort to build sustainable, trust-based relationships on the edge." John Seely Brown. "Douglas Thomas and John Seely Brown portray the new world of learning gracefully, vividly, and convincingly." more >> "Howard Gardner, Professor, Harvard Graduate School of Education. The 21st century is a world in constant change. In *A New Culture of Learning*, Douglas Thomas and John Seely Brown pursue an understanding of how the forces of change, and emerging waves of interest associated with these forces, inspire and invite us to imagine a future of learning that is as powerful as it is optimistic. John Seely Brown: I'm a visiting scholar at USC and the independent co-chairman of the Deloitte Center for the Edge. In a previous life, I was the Chief Scientist of Xerox Corporation and the director of its Palo Alto Research Center (PARC). I was deeply involved in the management of radical innovation and in the fo... I'm a visiting scholar at USC and the independent co-chairman of the Deloitte Center for the Edge. John Seely Brown bears the impressive title of "chief scientist" at the Xerox Corporation, the American imaging technology giant. Brown directed the company's celebrated Palo Alto Research. John Seely Brown. Center, known as PARC, until 2000. Usually described by interviewers as both engaging in his conversational style and exhausting in his intellectual range, Brown is considered one of the leading contemporary thinkers on how technology impacts modern life. John Seely Brown (born 1940), also known as "JSB", is a researcher who specializes in organizational studies with a particular bend towards the organizational implications of computer-supported activities. Brown graduated from Brown University in 1962 with degrees in physics and mathematics. He received a PhD from the University of Michigan in computer and communication sciences in 1970.