Section D. Bibliography

[AAAS 2001] *Designs for Science Literacy.* 2001. Oxford: Oxford University Press.

[AAAS 2002] Next Steps: Project 2061 to Focus on Building Public Support and Improving Texts. 2002. *In 2061 Today*, American Association for the Advancement of Science.

[Allan 2000] Allan, J., M. Connell, W.B. Croft, F. Feng, D. Fisher, and X. Li. 2000. INQUERY and TREC-9. *In Proceedings of the Ninth Text Retrieval Conference (TREC-9), NIST*, pp. 551-577.

[Annotea 2002] Annotea Project [online]. 2002. W3C. [cited 2 May 2002]. Available from the World Wide Web: <http://www.w3.org/2001/Annotea/>

[Arms 2002] Arms, William, et al. 2002. A Spectrum of Interoperability: The Site for Science Prototype for the NSDL. *D-Lib Magazine*, 8(1), January. Available from the World Wide Web: <http://www.dlib.org/dlib/january02/arms/01arms.html>

[Blackboard 2002] Welcome to Blackboard [online]. 2002. Blackboard, Inc. [cited 2 May 2002] . Available from the World Wide Web <http://www.blackboard.com/

[Borgman 2000] Borgman, Christine L., et al. Evaluating Digital Libraries for Teaching and Learning in Undergraduate Education: a Case Study of the Alexandria Digital Library Prototype (ADEPT). *Library Trends* 49 (2): 228-250.

[Bransford 2000] Bransford, John D., Ann L. Brown, and Rodney R. Cocking, eds. 2002. *How People Learn*. Washington, DC: National Academy Press. p. 230.

[Broglio 1994] Broglio, J., J. Callan, and W.B. Croft. 1994. INQUERY System Overview. *In Proceedings of the TIPSTER Text Program (Phase I)*. San Francisco, CA: Morgan Kaufmann. pp. 47-67.

[Brown 2000] Brown, John Seeley and Paul Duguid. 2000. *The Social Life of Information*. Boston, MA: Harvard Business School Press.

[Buneman 2002] Buneman, Peter, Sanjeev Khanna, Keishi Tajima, and Wang-Chiew Tan. 2002. Archiving Scientific Data. *In Proceedings of ACM SIGMOD International Conference on Management of Data*. Available from the World Wide Web: <http://www.cis.upenn.edu/~wctan/papers/02/sigmod02.pdf>

[CLIR 2000] Authenticity in a Digital Environment [online]. 2000. Washington, DC: Council on Library and Information Resources. [cited 2 May 2002]. Available from the World Wide Web: <http://www.clir.org/pubs/reports/pub92/pub92.pdf>

[Fuhr 2001] Fuhr, Norbert, Preben Hansen, Michael Mabe, Andras Mcsik and Ingeborg Solvberg. 2001. Digital Libraries: A Generic Classification and Evaluation Scheme *In Research and Advanced Technology for Digital Libraries, 5th European Conference, ECDL 2001, Darmstadt, Germany*. Berlin, Heidelberg: Springer-Verlag. pp. 185-199.

[Fulker 2001] Fulker, David, W.Y. Arms, and K. Wittenberg. 2001. Collaborative Project: Core Integration of the National SMETE Digital Library, Proposal to the National Science Foundation, June 2001. (Provided to reviewers by NSF; also available from the authors by request.)

[Guzdial 2000] Guzdial, M., J. Rick, and B. Kerimbaev. 2000. Recognizing and supporting roles in CSCW. *Computer Supported Cooperative Work (CSCW 2000), Philadelphia*. p 261-268.

[Hillmann 2001] Hillmann, Diane. 2001. *NSDL Metadata Primer* [online]. [cited 2 May 2002]. Available from the World Wide Web: <http://metamanagement.comm.nsdlib.org/outline.html>

[Hoffmann 2002] Hoffmann, Ellen. Extending TeacherLIB: Policy Research on NSDL in K-12 Schools. 2002. *In NSF National Science, Mathematics, Engineering and Technology Education Digital Library (NSDL) Core Information Systems Grant* (NSF 0085866), August 2000-July 2002 (expected)

[Hunter 2001] Hunter, B., M. Mardis and E. Hoffman. 2001. K-12 Education Considerations for a National SMETE Digital Library [online]. Available from the World Wide Web: <http://www.teacherlib.org/pdf/k12DL3.1.pdf>

[Hutchins 1995] Hutchins, E. (1995). *Cognition in the Wild*. Cambridge, MIT Press.

[Janée 2002] Janée, Greg. and James Frew. 2002. The ADEPT Digital Library Architecture. [online]. Available from the World Wide Web: <http://alexandria.sdc.ucsb.edu/~gjanee/archive/2002/jcdl-adept.pdf>

[Jonassen 1996] Jonassen, David H. and Thos. C. Reeves. 1996. Learning with Technology: Using Computers as Cognitive Tools. *In Handbook of Research for Educational Communications and Technology*. New York: Macmillan Library Reference USA. pp. 693-719.

[Lagoze 2002] Lagoze, Carl, et al. 2002. Core Services in the Architecture of the National Digital Library for Science Education (NSDL). Available from the World Wide Web: <http://arxiv.org/abs/cs.DL/0201025>

[Lave 1991] Lave, J. and E. Wenger. 1991. *Situated Learning*. Cambridge, Cambridge University Press.

[Linn 2000] Linn, M. 2000. Designing the Knowledge Integration Environment: The partnership inquiry process. *International Journal of Science Education* 22(8): 781-796.

[Marlino 2002] Marlino, Mary and Tamara Sumner. 2002. A Development Model and Research and Evaluation Framework for Educational Community-Based Digital Libraries. *Presented at the Annual Meeting of the American Research Association, New Orleans, LA*, April 1-5, session 30.69.

[METS 2002] METS, Metadata Encoding and Transmission Standard [online]. 2002. Network Development and MARC Standards Office, the Library of Congress [cited 2 May 2002]. Available from the World Wide Web: <http://www.loc.gov/standards/mets/>

[MS 2002] Microsoft® .NET [online]. 2002. Microsoft Corporation..[cited 2 May 2002]. Available from the World Wide Web: <http://www.microsoft.com/net/>

[Moore 2000] Moore, R., et al. 2000. Collection-Based Persistent Digital Archives - Part 1. *D-Lib Magazine*, 6(3). Available from the World Wide Web: <http://www.dlib.org/dlib/march00/moore/03moore-pt1.html>

[NCES 2000] National Center for Education Statistics. 2000. *Highlights From the Third International Mathematics and Science Study—Repeat (TIMSS-R)*. Washington, DC: U.S. Department of Education.

[NRC 1996] National Research Council. 1996. *National Science Education Standards*. Washington, DC: National Academy Press.

[NSDL 2002] NSDL Communication Portal. 2002. [online] National Science Digital Library [cited 2 May 2002]. Available from the World Wide Web: <http://comm.nsdlib.org/>

[NSF 1996] Shaping the Future: New Expectations for Undergraduate Education in Science, Mathematics, Engineering and Technology Education. 1996. Arlington, VA: National Science Foundation, NSF 96-139.

[NSF 1997] Geoscience Education: A Recommended Strategy, a report based on an August 29-30, 1996 Workshop from the Geoscience Education Working Group to the Advisory Committee for Geosciences and the Directorate for Geosciences of the National Science Foundation. 1997. Arlington, VA: National Science Foundation, NSF 97-171.

[NSF 1998] Information Technology: Its impact on Undergraduate Education in Science, Mathematics, Engineering and Technology Education. 1998. Arlington, VA: National Science Foundation, NSF 98-82.

[NSF 1999a] Report of the NSF Science, Mathematics, Engineering and Technology Education Library Workshop. 1999. Arlington, VA: National Science Foundation, NSF 99-112.

[NSF 1999b] NSF Geosciences Beyond 2000: Understanding and Predicting Earth's Environment and Habitability: Summary. Report of a long-range planning effort for geosciences in the 21st Century. 1999. Arlington, VA: National Science Foundation, NSF 00-28.

[OAI 2002] Open Archives Initiative [online]. 2002. [cited 2 May 2002]. Available from the World Wide Web: <http://www.openarchives.org/>

[Olson 1998] Olson, G., et al. 1998. The Upper Atmospheric Research Collaboratory. *Interactions* 5 (3): 48-55.

[Paepcke 2000] Paepcke, Andreas, et al. 2000. Search Middleware and the Simple Digital Library Interoperability Protocol. *D-Lib Magazine* 6(3). Available from the World Wide Web: <http://www.dlib.org/dlib/march00/paepcke/03paepcke.html>

[Payette 1998] Payette, Sandy and Carl Lagoze. 1998. Flexible and Extensible Digital Object and Repository Architecture. *In Research and Advanced Technology for Digital Libraries, Second European Conference, ECDL '98.* Berlin, Heidelberg: Springer (Lecture notes in computer science; Vol. 1513). Available from the World Wide Web: <http://www.cs.cornell.edu/payette/papers/ECDL98/FEDORA.html>

[PCAST 1997] President's Committee of Advisors on Science and Technology, Panel on Educational Technology. 1997. Report to the President on the Use of Technology to Strengthen K-12 Education in the United States, March 1997.

[Reich 2001] Reich, Vicky. 2001. LOCKSS: A Permanent Web Publishing and Access System. *D-Lib Magazine*, 7(6). Available from the World Wide Web: <http://www.dlib.org/dlib/june01/reich/06reich.html>

[Riggs 2001] Riggs, Tracy and Robert Wilensky. 2001. An Algorithm for Automated Rating of Reviewers. *In Proceedings of the First ACM/IEEE Joint Conference on Digital Libraries*, June 2001.

[Salomon 1996] Salomon, G. 1996. *Distributed Cognitions: Psychological and Educational Considerations*. Cambridge: Cambridge University Press.

[Scardamelia 1994] Scardamelia, M. and C. Bereiter. 1994. Computer Support for Knowledge-Building Communities. *The Journal of the Learning Sciences* 3(3): 265-283.

[Shibboleth 2002] Shibboleth [online]. 2002. [cited 2 May 2002]. Available from the World Wide Web: <http://middleware.internet2.edu/shibboleth/>

[Stahl 2002] Stahl, G. 2002. Computer Support for Collaborative Learning: Foundations for a CSCL Community. *In Proceedings of CSCL 2002, Boulder, CO January 7 - 11*. Hillsdale: Lawrence Erlbaum Associates.

[uPortal 2002] uPortal by JA-SIG [online]. 2002. Java in Administration Special Interest Group. [cited 2 May 2002]. Available from the World Wide Web: <http://mis105.mis.udel.edu/ja-sig/uportal/>

[Vernon 2002] Vernon, R. David and Oya Y. Rieger. 2002. Digital Asset Management: An Introduction to Key Issues [online]. Ithaca, NY: Office of Information Technologies, Cornell University. Available from the World Wide Web: <http://www.cit.cornell.edu/oit/Arch-Init/DigAssetMgmt.pdf>

[VRD 1998] The Virtual Reference Desk [online]. 1998. The Virtual Reference Desk Project [cited 2 May 2002]. Available from the World Wide Web: <http://www.vrd.org/>

[Vygotsky 1989] Vygotsky, L. 1989. *Thought and Language*. Cambridge, MA: MIT Press.

[W3C 2001] Web Services Description Language (WSDL) 1.1: W3C Note 15 March 2001 [online]. 2001. W2C. [cited 2 May 2002]. Available from the World Wide Web: http://www.w3.org/TR/wsdl

[W3C 2002a] Semantic Web [online]. 2002. W3C Technology and Society Domain [cited 2 May 2002]. Available from the World Wide Web: <http://www.w3.org/2001/sw/>

[W3C 2002b] Web Services Activity [online]. 2002. W3C Architecture Domain [cited 2 May 2002]. Available from the World Wide Web: http://www.w3.org/2002/ws/

[WebCT 2001] WebCt [online]. 2001. [cited 2 May 2002]. Available from the World Wide Web: <http://www.webct.com/>

[Wittenberg 2001] Wittenberg, K. 2001. Transformational Publishing: Creative Approaches to Alternative Models. *Professional Scholarly Publishers Newsletter, Association of American Publishers*, September, 2001.

[Zia 2001] Zia, Lee L. 2001. Growing a National Learning Environments and Resources Network for Science, Mathematics, Engineering, and Technology Education. *D-Lib Magazine* 7(3). Available from the World Wide Web: <http://www.dlib.org/dlib/march01/zia/03zia.html>