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PUBLICATIONS:

- Radford, M. L., & Connaway, L. S. (2012). Chattin' 'bout my generation: Comparing virtual reference use of Millennials to older adults. In M. L. Radford (Ed.), *Leading the Reference Renaissance: Today's Ideas for Tomorrow's Cutting Edge Services* (pp. 35-46). New York: Neal-Schuman.
- Wakeling, S., Clough, P., Sen, B., & Connaway, L. (2012). "Readers who borrowed this also borrowed...." Recommender systems in UK libraries, *Library Hi Tech*, 30(1). [Available: www.emeraldinsight.com/journals.htm?issn=0737-8831&volume=30&issue=1&articleid=17014513&show=pdf]
- Connaway, L. S., & Dickey, T. J. (2011). Publisher names in bibliographic data: An experimental authority file and a prototype application. *Library Resources and Technical Services*, 55(4), 182-194.
- Connaway, L. S., Dickey, T. J., & Radford, M. L. (2011). "If it is too inconvenient I'm not going after it:" Convenience as a critical factor in information-seeking behaviors. *Library & Information Science Research*, 33(3), 179-190.
- Connaway, L. S., & Radford, M. L. (2011). *Seeking synchronicity: Revelations and recommendations for virtual reference*. Dublin, OH: OCLC Research. [Available: <http://www.oclc.org/reports/synchronicity/full.pdf>]
- Connaway, L. S., White, D., & Lanclos, D. (2011). Visitors and Residents: What motivates engagement with the digital information environment? *Proceedings of the 74th ASIS&T Annual Meeting*, 48: 1-7.
- Johnson, R., Connaway, L. S., Alexander, S., Downing, K. E., Du, Y., & Eden, B., et al. (2011). *Environmental Scan 2010*. Chicago: Association of College & Research Libraries. [Available: <http://www.ala.org/ala/mgrps/divs/acrl/publications/whitepapers/EnvironmentalScan2010.pdf>]
- Radford, M. L., Connaway, L. S., Confer, P. A., Sabolsci-Boros, S., & Kwon, H. (Spring 2011). "Are we getting warmer?" Query clarification in live chat virtual reference. *Reference & User Services Quarterly*, 50(3), 259-279. (Winner of the 2012 Reference Service Press Award).
- Radford, M. L., Radford, G. P., Connaway, L. S., & DeAngelis, J. A. (2011). On virtual face-work: An ethnography of communication approach to a live chat reference interaction. *The Library Quarterly*, 81(4), 431-453. [Available: <http://www.jstor.org/stable/10.1086/661654> and <http://www.oclc.org/research/publications/library/2011/201109-lq.pdf>]

PUBLICATIONS, CONTINUED:

- Wakeling, S., Clough, P., Sen, B., & Connaway, L. (2011). If we build it, will they come? Recommendations and WorldCat. *Proceedings of the American Society for Information Science and Technology*, 48(1), 1–3.
- Connaway, L. S. (2010). Digital natives meet digital libraries: Discovering their behaviors and preferences for information seeking. In *Libraries in the Digital Age (LIDA) 2010: Digital scholarships: Support by digital libraries & digital natives: Challenges & innovations in reaching out to digital born generations, May 24-28, 2010, Zadar, Croatia* (pp. 39-43). [Available: http://web.ffos.hr/lida/datoteke/lida_2010_proceedings.pdf]
- Connaway, L. S., & Dickey, T. J. (2010). *The digital information seeker: Report of findings from selected OCLC, RIN, and JISC user behavior projects*. [Available: <http://www.jisc.ac.uk/media/documents/publications/reports/2010/digitalinformationseekerreport.pdf>]
- Connaway, L. S., & Dickey, T. J. (2010). *Towards a profile of the researcher of today: What can we learn from JISC projects? Common themes identified in an analysis of JISC Virtual Research Environment and Digital Repository Projects*. [Available: http://ie-repository.jisc.ac.uk/418/2/VirtualScholar_themesFromProjects_revised.pdf]
- Connaway, L. S., Downing, K., Du, Y., Goda, D., Jackson, M. L., Johnson, R., Lewis, J. S., & Salisbury, L. (2010). 2010 top ten trends in academic libraries: A review of the current literature. *C&RL News*, 71(6), 286-292. [Available: <http://crln.acrl.org/content/71/6/286.full>]
- Connaway, L. S., & Powell, R. R. (2010). *Basic research methods for librarians* (5th ed.). Littleton, CO: Libraries Unlimited.
- Connaway, L. S., & Radford, M. L. (2010). Virtual reference service quality: Critical components for adults and Net-Generation. *Libri*, 60(2), 165-180.
- Radford, M. L., & Connaway, L. S. (2010). Getting better all the time: Improving communication and accuracy in virtual reference. In M. L. Radford, & R. D. Lankes (Eds.), *Reference renaissance: Current & future trends* (pp. 39-54). New York: Neal-Schuman.
- Radford, M. L., & Connaway, L. S. (2010). "I stay away from the unknown, I guess." Measuring impact and understanding critical factors for Millennial Generation and adult non-users of virtual reference services. In *Online proceedings of the Fifth Annual iConference, University of Illinois at Urbana-Champaign, February 3-6, 2010*. [Available: http://nora.lis.uiuc.edu/images/iConferences/2010papers2_Page-Zhang.pdf]
- Connaway, L. S., Radford, M. L., & Williams, J. D. (2009). Engaging Net Gen students in virtual reference: Reinventing services to meet their information behaviors and communication preferences. In D. M. Mueller (Ed.), *Pushing the edge: Explore, extend, engage: Proceedings of the Fourteenth National Conference of the Association of College and Research Libraries, March 12-15, 2009, Seattle, Washington* (pp. 10-27). Chicago: Association of College and Research Libraries. [Available: <http://www.oclc.org/research/publications/archive/2009/connaway-acrl-2009.pdf>]

PUBLICATIONS, CONTINUED:

Radford, M. L., & Connaway, L. S. (2009). Quality inquiry: User perspectives on virtual reference practice. In A. Grove (Ed.), *ASIS&T 2009 Proceedings of the 72nd ASIS&T Annual Meeting, Thriving on Diversity—Information Opportunities in a Pluralistic World, Vol. 46, 2009, Vancouver, BC, November 6-11, 2009.*

Radford, M. L., & Connaway, L. S. (2009). Thriving on theory: A new model for virtual reference encounters. In A. Grove (Ed.), *ASIS&T 2009 Proceedings of the 72nd ASIS&T Annual Meeting, Thriving on Diversity—Information Opportunities in a Pluralistic World, Vol. 46, 2009, Vancouver, BC, November 6-11, 2009.*

Connaway, L. S. (2008). Make room for the Millennials. *NextSpace*, 10, 18-19. [Available: <http://www.oclc.org/nextspace/010/research.htm>]

Connaway, L. S., & Dickey, T. J. (2008). Beyond data mining: Delivering the next generation of service from library data. In A. Grove, & A. Rorissa (Eds.), *ASIS&T 2008: Proceedings of the 71st ASIS&T Annual Meeting, Vol. 45, 2008: People transforming information—Information transforming people.* Silver Springs, MD: American Society for Information Science and Technology.

Connaway, L. S., & Olszewski, L. (2008). Visualizing the globalization of WorldCat. *NextSpace*, 9 [Available: <http://www.oclc.org/nextspace/009/research.htm>]

Connaway, L. S., Radford, M. L., & Dickey, T. J. (2008). On the trail of the elusive non-user: What research in virtual reference environments reveals. *ASIST Bulletin*, 34(2), 25-28. [Available: http://www.asis.org/Bulletin/Dec-07/DecJan08_Connaway_etc.pdf]

Connaway, L. S., Radford, M. L., Dickey, T. J., Williams, J. D., & Confer, P. (2008). Sense-making and synchronicity: Information-seeking behaviors of Millennials and Baby Boomers. *Libri*, 58(2), 123-135. [Available: <http://www.oclc.org/research/publications/archive/2008/connaway-libri.pdf>]

McGlamery, S., & Connaway, L. S. (2008). Quality assurance in a multi-state, multi-national virtual reference cooperative. In J. Selthofer, T. Aparac-Jelusic, & M. Krtalic (Eds.), *Proceedings of the LIDA 2008 (Libraries in the Digital Age) Conference, Dubrovnik and Mljet, Croatia, June 2-7, 2008*, 68-78.

O'Neill, E. T., Connaway, L. S., & Dickey, T. J. (2008). Estimating the audience level for library resources. *Journal of the American Society for Information Science & Technology*, 59(13), 2042-2050. [Available: <http://www.oclc.org/research/publications/library/2008/oneill-jasist.pdf>]

Prasse, M. J., & Connaway, L. S. (2008). Usability testing: Method and research. In M. L. Radford, & P. Snelson (Eds.), *Academic library research: Perspectives and current trends* (pp. 214-252). Chicago: Association of College and Research Libraries, a Division of the American Library Association.

PUBLICATIONS, CONTINUED:

- Radford, M. L., & Connaway, L. S. (2008). Cordial connections: Evaluating virtual reference from user, non-user, and librarian perspectives using the critical incident technique. In J. Selthofer, T. Aparac-Jelusic, & M. Krtalic (Eds.), *Proceedings of the LIDA 2008 (Libraries in the Digital Age) Conference, Dubrovnik and Mljet, Croatia, June 2-7, 2008*, 56-67. [Available: <http://www.oclc.org/research/projects/synchronicity/resources/lida2008-radfordconnaway.pdf>]
- Radford, M. L., & Connaway, L. S. (2008). E-valuating virtual viewpoints: User, non-user, and librarians perspectives on live chat-based reference. In A. Grove, & A. Rorissa (Eds.), *ASIST 2008: Proceedings of the 71st ASIS&T Annual Meeting, Vol. 45, 2008: People transforming information—Information transforming people*. Silver Springs, MD: American Society for Information Science and Technology.
- Connaway, L. S. (2007). The future of e-books. In D. Kresh (Ed.), *The whole digital library handbook*. Chicago: American Library Association.
- Connaway, L. S. (2007). Mountains, valleys, and pathways: Serials users' needs and steps to meet them. Part I: Identifying serials users' needs: Preliminary analysis of focus group and semi-structured interviews at colleges and universities. *Serials Librarian*, 52(1/2), 223-236. [Available: <http://www.oclc.org/research/publications/archive/2007/connaway-serialslibrarian.pdf>]
- Connaway, L. S., & Radford, M. L. (2007). Service sea change: Clicking with Screenagers through virtual reference. In H. Thompson (Ed.), *Sailing into the future: Charting our destiny: proceedings of the Thirteenth National Conference of the Association of College and Research Libraries, March 29-April 1, 2007, Baltimore, Maryland*. Chicago: Association of College and Research Libraries. [Available: <http://www.oclc.org/research/publications/archive/2007/connaway-acrl.pdf>]
- Connaway, L. S., & Radford, M. L. (2007). The thrill of the chase in cyberspace: A report of focus groups with live chat librarians. *Informed Librarian Online*. [Available: <http://www.informedlibrarian.com/guestForum.cfm?FILE=gf0701.html>]
- Connaway, L. S., & Wicht, H. L. (2007). What happened to the e-book revolution?: The gradual integration of e-books into academic libraries. *Journal of Electronic Publishing*, 10(3). [Available: <http://hdl.handle.net/2027/spo.3336451.0010.302>]
- Lavoie, B., Connaway, L. S., & O'Neill, E. T. (2007). Mapping WorldCat's digital landscape. *Library Resources & Technical Services*, 51(2), 106-115. [Available: <http://www.oclc.org/research/publications/archive/2007/lavoie-lrts.pdf>]
- Prabha, C., Connaway, L. S., Olszewski, L., & Jenkins, L. (2007). What is enough? Satisficing information needs. *Journal of Documentation*, 63(1), 74-89. [Available: <http://www.oclc.org/research/publications/archive/2007/prabha-satisficing.pdf>]
- Radford, M. L., & Connaway, L. S. (2007). "Screenagers" and live chat reference: Living up to the promise. *Scan*, 26(1), 31-39. [Available: <http://www.oclc.org/research/publications/archive/2007/connaway-scan.pdf>]
- Bolander, R. C., Connaway, L. S., & Radford, M. L. (2006). Seeking synchronicity: OCLC and Rutgers researchers explore virtual reference services by analyzing chat transcripts. *NextSpace*, 2, 18-19. [Available: <http://www.oclc.org/nextspace/002/research.htm>]

PUBLICATIONS, CONTINUED:

- Connaway, L. S., O'Neill, E. T., & Prabha, C. (2006). Last copies: What's at risk? *College & Research Libraries*, 67(4), 370-379. [Available: <http://www.oclc.org/research/publications/archive/2006/connaway-crl07.pdf>]
- Jackson, M., Connaway, L. S., O'Neill, E. T., & Lohr, E. (2006). *Changing global book collection patterns in ARL libraries*. Washington, DC: Association of Research Libraries. [Available: http://www.crl.edu/sites/default/files/attachments/pages/grn_global_book.pdf]
- Knievel, J., Wicht, H., & Connaway, L. S. (2006). Use of circulation statistics and interlibrary loan data in collection management. *College & Research Libraries*, 67(1), 35-49. [Available: <http://www.ala.org/ala/mgrps/divs/acrl/publications/crljournal/2006/jan/knieval-06.pdf>]
- Lavoie, B., Dempsey, L., & Connaway, L. S. (2006). Making data work harder. *Library Journal*, 131(1), 40-42. [Available: <http://www.libraryjournal.com/article/CA6298444.html>]
- Nicholson, S., Connaway, L. S. & Molyneux, B. (2006). Capturing untapped descriptive data: Creating value for librarians and users. Presented on the panel: Using context to improve data-based library evaluation through data warehousing, data mining and visualization. In A. Grove (Ed.), *Information realities shaping the digital future for all: Proceedings of the ASIST Annual Meeting, Vol. 43, 2006*.
- Radford, M. L., & Connaway, L. S. (2006). Seeking sustainability and singularity: Evaluating virtual reference from user, non-user, and librarian perspectives. In A. Grove (Ed.), *Information realities shaping the digital future for all: Proceedings of the ASIST Annual Meeting, Vol. 43, 2006*.
- Connaway, L. S. (April/May/June 2005). Making data work harder. *OCLC Newsletter*, 268. [Available: <http://www.oclc.org/news/publications/newsletters/oclc/2005/268/downloads/research.pdf>]
- Connaway, L. S. (2005). Physical space for virtual services and collections. *Portal: Libraries and the Academy*, 5(1), 127-131. [Available: http://muse.jhu.edu/journals/portal_libraries_and_the_academy/toc/pla5.1.html]
- Connaway, L. S. (2005). A research funding opportunity for library and information science faculty: The OCLC/ALISE Library and Information Science Research Grant Program. *Journal of Education for Library and Information Science*, 46(3), 258-65.
- Connaway, L. S., Lavoie, B., & O'Neill, E. T. (2005). Mining for digital resources: Identification and characterizing digital materials in WorldCat. In H. Thompson (Ed.), *Currents and convergence: Navigating the rivers of change: Proceedings of the Twelfth National Conference of the Association of College and Research Libraries, April 7-10, 2005, Minneapolis, Minnesota* (pp. 244-250). Chicago: Association of College and Research Libraries. [Available: <http://www.oclc.org/research/publications/archive/2005/connaway-acrl.pdf>]
- Connaway, L. S., & Snyder, C. (2005). Transaction log analyses of electronic book (eBook) usage. *Against the Grain*, 17(1), 85-89. [Available: <http://www.oclc.org/research/publications/archive/2005/connaway-snyder-atg.pdf>]

PUBLICATIONS, CONTINUED:

- Connaway, L. S., Snyder, C., & Olszewski, L. (2005). Geographical representation of library collections in WorldCat: A prototype. In B. Wildemuth, M. Crandall, & A. Grove (Eds.), *Sparking synergies: Bringing research and practice together at ASIS&T '05, October 28-November 2, Charlotte, NC*. Medford, NJ: Information Today.
- Lavoie, B., Connaway, L. S., & Dempsey, L. (2005). Anatomy of aggregate collections: The example of Google Print for Libraries. *D-Lib Magazine*, 11(9). [Available: <http://www.dlib.org/dlib/september05/lavoie/09lavoie.html>]
- Olszewski, L., Connaway, L. S., & Snyder, C. (2005). What in the world: Leveraging corporate assets for internal and external use. *Proceedings of the SLA Annual Conference*, June 5-8, 2005, Toronto, Canada. [Available: <https://www.sla.org/Documents/conf/toronto/Olszewski.doc>]
- Knievel, J., Wicht, H., & Connaway, L. S. (December 2004-January 2005). Collection analysis using circulation, ILL, and collection data. *Against the Grain*, 16(6), 24-26.
- Littman, J., & Connaway, L. S. (2004). A circulation analysis of print books and e-books in an academic research library. *Library Resources & Technical Services*, 48(4), 256-262. [Available: <http://www.oclc.org/research/publications/archive/2004/littman-connaway-duke.pdf>]
- Powell, R. R., & Connaway, L. S. (2004). *Basic research methods for librarians* (4th ed.). Littleton, CO: Libraries Unlimited.
- Wicht, H., & Connaway, L. S. (2004). Using circulation, ILL, and collection characteristics for the development of policies for collections and ILL services. In K. Strauch, R. Bazirjian, & V. Speck (Eds.), *Charleston Conference proceedings, 2003* (pp. 188-191). Westport, CT: Libraries Unlimited.
- Connaway, L. S. (2003). Electronic books (eBooks): Current trends and future directions. *DESIDOC Bulletin of Information Technology*, 23(1), 13-18. [Available: <http://www.oclc.org/research/publications/archive/2003/connaway-desidoc.pdf>]
- Connaway, L. S., & Lawrence, S. R. (2003). Comparing library resource allocations for the paper and the digital library: An exploratory study. *D-Lib Magazine*, 9(12). [Available: <http://www.dlib.org/dlib/december03/connaway/12connaway.html>]
- Connaway, L. S., & Lawrence, S. R. (2003). A comparison of the functions and processes associated with identifying, selecting, acquiring, and organizing paper books and electronic books. In H. A. Thompson (Ed.), *Learning to make a difference: Proceedings of the Eleventh National Conference of the Association of College and Research Libraries, April 10-13, 2003, Charlotte, North Carolina* (pp. 35-45). Chicago: Association of College and Research Libraries. [Available: <http://www.ala.org/ala/mgrps/divs/acrl/events/pdf/connaway.PDF>]
- Hyatt, S., & Connaway, L. S. (October 10, 2002). Utilizing e-books to enhance digital library offerings. *Ariadne*, 33. [Available: <http://www.ariadne.ac.uk/issue33/netlibrary/>]

PUBLICATIONS, CONTINUED:

- Connaway, L. S. (2001). Bringing electronic books (eBooks) into the digital library. In M. E. Williams (Ed.), *National Online 2001: Proceedings of the 22nd National Online Meeting, New York, 15-17, May 2001* (pp. 115-120). Medford, NJ: Information Today.
- Connaway, L. S. (September/October 2001). E-book trends in public libraries. *Public Libraries part E-libraries*, 27-29.
- Connaway, L. S. (2001). Librarians, producers, and vendors: The netLibrary experience. In A. M. Sandberg-Fox (Ed.), *Proceedings of the Bicentennial Conference on Bibliographic Control for the New Millennium: Confronting the challenges of networked resources and the Web: Washington, D.C., November 15-17, 2000* (pp. 429-437). Washington, D.C.: Library of Congress, Cataloging Distribution Service. [Available: http://www.loc.gov/catdir/bibcontrol/connaway_paper.html]
- Connaway, L. S. (2001). netLibrary: Electronic book (eBook) content for the digital library. *California Libraries*, 11(4), 11-12.
- Connaway, L. S. (2001). netLibrary: A Web-based electronic book (eBook) library. *Library Hi Tech*, 19(4), 340-349.
- Lawrence, S. R., Connaway, L. S., & Brigham, K. (2001). Life cycle costs of library collections: Creation of effective performance and cost metrics for library resources. *College & Research Libraries*, 62(6), 541-553.
- Connaway, L. S. (2000). Bringing eBooks into the digital age. In C. Nixon (Ed.), *Internet Librarian International 2000: Proceedings, London, UK, 20-22 March, 2000*. Medford, NJ: Information Today, Inc.
- Connaway, L. S. (2000). eBooks: New opportunities and new challenges. *Technicalities*, 20(5), 8-10.
- Connaway, L. S. (2000). eBooks (still here) one year later: The year in review by an eBook content provider. In R. Bazirjian, & V. Speck (Eds.), *2000 Charleston Conference proceedings: Is bigger better?* Charleston, SC: Against the Grain Press.
- Stern, B. & Connaway, L. S. (1999). Shaping the future of libraries. *New Library World*, 100(7), 297-301.
- Budd, J. & Connaway, L. S. (1998). Discursive content and discursive power in library and information science education. *Libri*, 48(3), 140-152.
- Connaway, L. S. (1998). Professional development grant evaluative report. *MPLA Newsletter*, 42(5), 7, 14, 19.
- Connaway, L. S. & Wallace, D. (1998). Organized access to engineering Internet resources using indexing principles. In C. LaGuardia (Ed.), *Finding common ground: Creating a library of the future without diminishing the library of the past* (pp. 392-397). New York: Neal-Schuman.
- Budd, J. M. & Connaway, L. S. (1997). University faculty and networked information: Results of a survey. *Journal of the American Society for Information Science*, 48(9), 843-852.

PUBLICATIONS, CONTINUED:

- Connaway, L. S. (1997). A model curriculum for cataloging education: The library and information services program at the University of Denver. *Technical Services Quarterly*, 15(1/2), 27-41.
- Connaway, L. S., Johnson, D. W., & Searing, S. (1997). Online catalogs from the users' perspective: The use of focus group interviews. *College and Research Libraries*, 58(5), 403-420.
- Connaway, L. S., Logan, R., & Brown, C. (1997). Identifying and representing electronic engineering resources: A case study in knowledge management. In *Proceedings of the International Symposium on Research, Development & Practice in Digital Libraries ISDL 97, November 18-21, 1997, Tsukuba, Ibaraki, Japan* (pp. 181-184). [Available: <http://www.dl.slis.tsukuba.ac.jp/ISDL97/proceedings/connaway.html>]
- Connaway, L. S. (1996). Focus group interviews: A data collection methodology for decision making. *Library Administration and Management*, 10(4), 231-239.
- Connaway, L. S. & Sievert, M. C. (1996). Comparison of three classification systems for information on health insurance. *Cataloging and Classification Quarterly*, 23(2), 89-104. Abstract included in *Conference proceedings of the American Society for Information Science, classification research workshop*, October 16, 1994, Alexandria, Virginia.
- Cunningham, S. J. & Connaway, L. S. (1996). Information searching preferences and practices of computer science researchers. In J. Grundy (Ed.), *Proceedings: Sixth Australian conference on computer-human interaction, November 24-27, 1996, Hamilton, New Zealand* (pp. 294-299). Los Alamitos, CA: IEEE Computer Society Press.
- Raber, D., & Connaway, L. S. (1996). Two cultures, one faculty: Contradictions of library and information science education. *Journal of Education for Library and Information Science*, 37(2), 120-130.
- Connaway, L. S. (1995). An examination of the inclusion of a sample of selected women authors in books for college libraries. *College and Research Libraries*, 56(1), 71-84.
- Connaway, L. S. (1995). The levels of decisions and involvement in decision-making: Effectiveness and job satisfaction in academic library technical services. In R. AmRhein (Ed.), *Continuity and transformation: The promise of confluence: Proceedings of the Seventh National Conference of the Association of College and Research Libraries, March 29-April 1, 1995* (pp. 147-158). Chicago: Association of College and Research Libraries.
- Connaway, L. S., Budd, J. M., & Kochtanek, T. R. (1995). An investigation of the use of an online catalog: User characteristics and transaction log analysis. *Library Resources and Technical Services*, 39(2), 142-152.
- Connaway, L. S. & Johnson, D. W. (1995). *Technical services: Challenges and changes*. Moderated by Diane Tobin Johnson. Videotape produced by the School of Library and Information Science, University of Missouri - Columbia. Facilitator's Guide prepared by Lynn Silipigni Connaway and Debra Wilcox Johnson.

PUBLICATIONS, CONTINUED:

Connaway, L. S., Kochtanek, T. R., & Adams, D. (1994). MARC bibliographic records: Considerations and conversion procedures for microcomputer database programs. *Microcomputers for Information Management*, 11(2), 69-88.

Johnson, D. W. & Connaway, L. S. (1991). *The older adult in Rock County: Implications for library service*. Arrowhead library system report.

Connaway, L. S. (1987). *An examination and review of the collection development policies and procedures of the Mesa College library*. ERIC Document ED294581.