

Debora Shaw  
Curriculum Vitae  
August 2016

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Department of Information and Library Science  
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#### EDUCATION

Indiana University, School of Library and Information Science, 1978-1983  
Ph.D., 1983; Major: Information Science, Minor: Computer Science  
University of Michigan, School of Library Science, 1972-1974  
M.A.L.S., 1974  
University of Michigan, Residential College, 1968-1971  
B.A., 1971; Major: History of Ideas

#### ACADEMIC and PROFESSIONAL APPOINTMENTS

Professor Emerita, Department of Information and Library Science, School of Informatics and Computing, Indiana University, 2014  
Professor and Department Chair, July 2013-May 2014

Professor, School of Library and Information Science, Indiana University, 2003-2013  
Dean, September 2011-June 2013  
Associate Dean 1995-2003, 2004-2007  
Interim Dean, 2003-2004; 2011  
Associate Professor, 1990-2003  
Assistant Professor, 1988-1990

Assistant Professor, Graduate School of Library and Information Science, University of Illinois at Urbana-Champaign, 1984-1988

Head, Data Services Division, Indiana State Library, Indianapolis, 1982-1984

Visiting Lecturer, School of Library and Information Science, Indiana University, Bloomington, 1980-1983

Project Manager, Online Union List of Serials Project, Indiana University Libraries, 1979-1980

Network Librarian, Indiana Cooperative Library Services Authority (INCOLSA), Indianapolis, 1976-1979

Assistant Serials Librarian, Youngstown State University, Youngstown, Ohio, 1974-1976

## AWARDS and HONORS

Indiana University School of Informatics and Computing, Distinguished Service Award, 2014

Indiana University Center of Excellence for Women in Technology, Faculty Mentor of the Year, 2014

Committee on Institutional Cooperation, Academic Leadership Program participant, 1998-1999

Watson Davis Award, for outstanding continuous contributions and dedicated service to the American Society for Information Science, 1993

Distinguished Alumni (Louise Maxwell) Award from Indiana University School of Library and Information Science Alumni Association, 1988

Indiana University Doctoral Student Grant-in-Aid of Research, 1982

Beta Phi Mu Library Honorary Society, 1974

University of Michigan Library Graduate Student Staff Assistant (Scholarship) 1972-1974

## PROFESSIONAL ASSOCIATIONS

American Library Association, 1974-2014

Committee on Accreditation site visitor, 1998

Association for Computing Machinery, 1982-2014

Association for Library and Information Science Education, 1982-2014

Association for Information Science and Technology / American Society for Information Science and Technology, 1973 to date

President, 1996-1997

Director at Large, 1990-1993

Indiana Chapter Chair, 1979/80, 1985/86

Special Interest Group on Library Automation and Networks, Chairman, 1986/87

Publications Committee, 1984-1988

Research Committee, 1989-1994, Chair, 1993-1994

Standards Committee, 1990-1991

University of Illinois Student Chapter Co-Advisor, 1984-1987

Chapter Assembly Advisory Committee, 1987-1989

Indiana University Student Chapter Advisor, 1989-1998

Indiana Library Association, 1977-1991

Library Automation and Technology Division Chair, 1978/79, 1983/84

## FUNDED RESEARCH

Evaluation of the PDQ system, for National Cancer Institute, National Institutes of Health, Contract NIH NO1-CN-55459. Co-investigator (20% effort) 1985-1988

Dynamics of the OCLC Online Union Catalog, OCLC Research Equipment Support Program, 1986-1987

## EDITORIAL and CONSULTING ACTIVITIES

Associate Editor, *Journal of the American Society for Information Science and Technology*, 2009-2013

Associate Editor, *Annual Review of Information Science and Technology*, 2001-2010

Associate Editor, *Journal on Educational Resources in Computing*, 2000-2006

Board of Editors, *Library & Information Science Research*, 1998-2003

Indexer, *Annual Review of Information Science and Technology*, 1986-1999

Reviews Editor, *Library & Information Science Research*, 1992-1998

Associate Editor, *Hypermedia*, 1991-1994

Council on Library Automation, Indiana State Library, 1995-1999

Indiana Statewide Library Automation Task Force, 1989-1990

Consultant on library automation and planning, Wayne Oakland Library Federation (Michigan), 1988

Editorial Associate, *Bibliographic Index to Health Education Periodicals*, 1982

Assistant-to-the-Editor, *Information Processing & Management*, 1980-1983

## PUBLICATIONS

### **Refereed Journal Articles**

Shaw, D. (2016). Overlap among college and university library collections. *Collection Management*, 41(3), 117-132. DOI: 10.1080/01462679.2016.1195780

Al-Muomen, N., Shaw, D., & Courtney, M. (2016). How will I know? Engagement with information resources: A comparison of undergraduates at Indiana and Kuwait Universities.

*Library Review*, 65 (4/5), 242 - 254. DOI: 10.1108/LR-12-2015-0120

Shaw, D., & Wagelie, J. (2016). Studying Artworks and their Digital Copies: Valuing the Artist's Aura. *International Journal of Education through Art*, 12(1), 57-69.

Gordon, M., Haack, A., Vernon, R., Saulter, T., & Shaw, D. (2014). Multiple Copies of Bestsellers in Public Libraries: How Much Is Enough? *Public Library Quarterly*, 33(2), 145-154.

Ni, C., Shaw, D., Lind, S.M., & Ying, D. (2013). Journal impact and proximity: An assessment using bibliometric features. *Journal of the American Society for Information Science and Technology*, 64(4) 802-817.

Sengul, E. B., Emery, S.C., Torok Fleming, C., Hartman, L., Hill, C. E., Stone, C. B., & Shaw, D. (2012). Movies in public libraries: A checklist comparison with Internet Movie Database recommendations. *Public Library Quarterly*, 31(4) 352-362.

Shachaf, P., & Shaw, D. (2008). Bibliometric analysis to identify core reference sources of virtual reference transactions. *Library & Information Science Research*, 30(4), 291-297.

Shaw, D., & Vaughan, L. (2008) Publication and citation patterns among LIS faculty: Profiling a "typical professor." *Library & Information Science Research*, 30(1), 47-55.

Vaughan, L., & Shaw, D. (2008). A new look at evidence of scholarly citation in citation indexes and from web sources. *Scientometrics*, 74(2), 317-330.

Cronin, B., & Shaw, D. (2007). Peers and spheres of influence: Situating Rob Kling. *The Information Society*, 23(4), 221-233.

Pierce, J. B., & Shaw, D. (2005). Looking for love in all the wrong places: Accessing sexual and reproductive health information via the Readers' Guide to Periodical Literature. *Library & Information Science Research*, 27(4), 467-484.

Vaughan, L., & Shaw, D. (2005). Web citation data for impact assessment: A comparison of four science disciplines. *Journal of the American Society for Information Science and Technology*, 56(10), 1075-1087.

Cronin, B., Shaw, D., & La Barre, K. (2004). Visible, less visible, and invisible work: Patterns of collaboration in 20th century chemistry. *Journal of the American Society for Information Science and Technology*, 55(2), 160-168.

Vaughan, L., & Shaw, D. (2003). Bibliographic and Web citations: What is the difference? *Journal of the American Society for Information Science and Technology*, 54(14), 1313-1322.

- Cronin, B., Shaw, D., & La Barre, K. (2003). A cast of thousands: Co-authorship and sub-authorship collaboration in the twentieth century as manifested in the scholarly journal literature of psychology and philosophy. *Journal of the American Society for Information Science and Technology*, 54(9), 855-871.
- Cronin, B., & Shaw, D. (2002). Banking (on) different forms of symbolic capital. *Journal of the American Society for Information Science and Technology*, 53(13), 1267-1270.
- Cronin, B., & Shaw, D. (2002). Identity-creators and image-makers: Using citation analysis and thick description to put authors in their place. *Scientometrics*, 54(1), 31-49.
- Shaw, D. (2001). Playing the links: Interactivity and stickiness in .com and 'not.com' web sites. *FirstMonday*, 6(3). [http://www.firstmonday.dk/issues/issue6\\_3/shaw/](http://www.firstmonday.dk/issues/issue6_3/shaw/)
- Cronin, B., & Shaw, D. (1999). Citation, funding acknowledgment and author nationality relationships in four information science journals. *Journal of Documentation*, 55(4), 402-408.
- Sun, Q., Shaw, D., & Davis, C. H. (1999). A model for estimating the occurrence of same-frequency words and the boundary between high- and low-frequency words in texts. *Journal of the American Society for Information Science*, 50(3), 280-286.
- Shaw, D. (1996). Undergraduate use of CD-ROM databases: Observations of human-computer interaction and relevance judgments. *Library & Information Science Research*, 18(3), 261-274.
- Shaw, D., & Davis, C. H. (1996). The Modern Language Association: Electronic and paper surveys of computer-based tool use. *Journal of the American Society for Information Science*, 47(12), 932-940.
- Shaw, D. (1995). Bibliographic database searching by graduate students in language and literature: Search strategies, system interfaces, and relevance judgments. *Library & Information Science Research*, 17(4), 327-345.
- Shaw, D., & Czaja, R. F. (1992). User interactions with the PDQ cancer information system. *Bulletin of the Medical Library Association*, 80(1), 29-35.
- Abrera, J., & Shaw D. (1992). Frequency of use of cataloging rules in a practice collection. *Library Resources & Technical Services*, 36(2), 149-161.
- Shaw, D. (1991). An analysis of the relationship between book reviews and fiction holdings in OCLC. *Library & Information Science Research*, 13(2), 147-154.
- Shaw, D. (1990). Dynamics of the OCLC online union catalog: An analysis of the presence of records for newly-acquired books and the rate of addition of institution symbols. *Cataloging and Classification Quarterly*, 10(3), 69-76.

Davis, C. H., & Shaw, D. (1989). Comparison of retrieval system interfaces using an objective measure of screen design effectiveness. *Library & Information Science Research*, 11(4), 325-334.

Shaw, D. (1989). Readability of documentation for end-user searchers. *Online Review*, 13(1), 3-8.

Shaw, D. (1986). Nine sources of problems for novice online searchers. *Online Review*, 10(5), 295-303.

Shaw, D. (1985). Staff opinions in library automation planning: A case study. *Special Libraries*, 77(3), 140-151.

Shaw, D. (1985). Overlap of monographs in public and academic libraries in Indiana. *Library & Information Science Research*, 7(3), 275-298.

Kessler, B., & Shaw, D. (1983). SOLOS: A student-oriented information retrieval system using MARC records. *Information Technology and Libraries*, 2(3), 272-279.

Shaw, D., & Davis, C. H. (1983). Entropy and information: A multidisciplinary overview. *Journal of the American Society for Information Science*, 34(1), 67-74.

Davis, C. H., & Shaw, D. (1979). Collection overlap as a function of library size: A comparison of Canadian and American public libraries. *Journal of the American Society for Information Science*, 30(1), 19-24.

Davis, C. H., & Shaw, D. (1979). Relative percentages of fiction and non-fiction in selected Canadian and American public libraries. *Public Library Quarterly*, 1(2), 161-167.

Davis, C. H., & Shaw, D. (1979). Cooperative cataloging and automated bibliographic networks: Considerations for public libraries. *Public Library Quarterly*, 1(4), 387-397.

Shaw, D., & Stockey, E. A. (1979). Contributions of small libraries to state-wide resource sharing: A study of collection overlap through the INCOLSA Processing Center. *Public Library Quarterly*, 1(3), 281-290.

### **Refereed Conference Papers**

Dunn, K., Noel, R., & Shaw, D. (2007). Page charges and article length in astronomy journals. In S. Ricketts, C. Birdie, & E. Isaksson (Eds.), *Library and information services in astronomy V: Common challenges, uncommon solutions* (ASP Conference Series, vol. 377) (pp. 415-417). San Francisco, CA: Astronomy Society of the Pacific.

Vaughan, L., & Shaw, D. (2004). Can Web citations be a measure of impact? An investigation of journals in the life sciences. *Proceedings of the Annual Meeting of the American Society for Information Science*, 516-526. <https://scholarworks.iu.edu/dspace/handle/2022/118>

Shaw, D., & Vaughan, L. (2004). Using Web citations to measure scientific journal impact. In *Proceedings of the AoIR-ASIST 2004 Workshop on Web Science Research Methods*, <http://cybermetrics.wlv.ac.uk/AoIRASIST/shaw.html>

Cronin, B., & Shaw, D. (2001). Identity-creators and image-makers: Using citation analysis and thick description to put authors in their place. In M. Davis & C. S. Wilson (Eds.) *Proceedings of the 8th International Conference on Scientometrics and Informetrics* (vol. 1, pp. 127-138). Sydney, Australia: Bibliometric & Informetric Research Group.

Jacob, E. K., & Shaw, D. (1996). Is a picture worth a thousand words? Classification and graphic symbol systems. In R. Green (Ed.) *Knowledge Organization and Change, Proceedings of the Fourth International ISKO Conference* (pp. 174-181). Washington, D.C.: Indeks Verlag.

Shaw, D., & Park, T. K. (1994). Comparing users' exchange values with library costs in academic and public libraries. In B. Maxian (Ed.) *The Economics of Information -- Proceedings of the 57th Annual Meeting of the American Society for Information Science* (pp. 51-53). Alexandria, VA: Learned Information for the American Society for Information Science.

Shaw, D. (1993). CD-ROM interfaces for information retrieval: Heuristic evaluation and observations of intended users. In *Proceedings of the 14th National Online Meeting* (pp. 371-377). New York, NY: Learned Information.

Davis, C. H., & Shaw, D. (1989). Comparison of interfaces for weighted term searching. In M. Dillon (Ed.), *Proceedings of the Mid-Year Meeting of the American Society for Information Science* (pp. 29-30). San Diego, CA: American Society for Information Science.

Shaw, D., & Dingle, S. (1984). Views of Information from the "Brave New World" of "1984". In B. Flood, J. Wittiak, & T. H. Hogan (Eds.) *1984: Challenges to an Information Society, Proceedings of the 47th ASIS Annual Meeting* (pp. 10-12). Philadelphia, Pennsylvania: Knowledge Industry Publications for the American Society for Information Science.

Shaw, D., Chen, L. F., Grabiner, J., Kessler, B., & Lu, M. C. (1982). Library catalog information retrieval system. In *Association for Computing Machinery - Computer Science Conference* (p. 41). Indianapolis, IN: Association for Computing Machinery.

Shaw, D. (1979). Public library collection overlap in Indiana. In A. B. Piternick (Ed.) *North American Networking: Collected Papers of the ASIS Mid-Year Meeting* (p. G1). Banff, Alberta: American Society for Information Science.

### **Other Peer-Reviewed Work**

Jacob, E. K., & Shaw, D. (1998). Sociocognitive perspectives on representation. *Annual Review of Information Science and Technology*, 33, 131-185.

Shaw, D. (1991). The human-computer interface for information retrieval. *Annual Review of Information Science and Technology*, 26, 155-195.

### **Books, Monographs, and Reports**

Davis, C. & Shaw, D. (Eds.) (2011). *Introduction to Information Science and Technology*. Medford, NJ: Information Today.

Shaw, D. (Ed.) (1992). *Celebrating Change: Information Management on the Move. Proceedings of the 55th Annual Meeting of the American Society for Information Science*. Medford, NJ: Learned Information for the American Society for Information Science.

Shaw, D., Czaja, R., & Nyden, G. (1989). *Combined technical assessment and survey of current users of the PDQ system: A report prepared for the Division of Cancer Prevention and Control, National Cancer Institute, National Institutes of Health*. Chicago: University of Illinois Survey Research Laboratory.

Davis, C. H., Lundeen, G. W., & Shaw, D. (1988). *Pascal programming for libraries: Illustrative examples for information specialists*. Westport, CT: Greenwood Press.

Shaw, D. (Ed.) (1985). *Human Aspects of Library Automation: Helping Staff and Patrons Cope. Proceedings of the 1985 Clinic on Library Applications of Data Processing*. Urbana, IL: Graduate School of Library and Information Science, University of Illinois.

### **Other Publications**

Shaw, D. (2016). What Was a Library Collection: Overlap among College and University Libraries. <http://hdl.handle.net/2022/20872>

Complete report with full data for the article published as: Overlap among college and university library collections. *Collection Management*, 41(3), 117-132. DOI: 10.1080/01462679.2016.1195780

Shaw, D. & Lind, S.M. (2010). ASIS&T Thesaurus descriptors chosen by JASIST submitting authors and peer reviewers. *Journal of the American Society for Information Science and Technology*, 61(10) 1949-1950.

Shaw, D. & La Barre, K. (2004). Links to Inspire. *Indiana Libraries*, 23(3), 2-5.

Shaw, D., & Davis, C. H. (2003). American Society for Information Science and Technology. In *Encyclopedia of library and information science* (2nd ed.) (pp. 130-132.). New York: Marcel Dekker.



Shaw, D. (1996). Automating access to bibliographic information. In L. C. Smith & R. C. Carter (Eds.) *Technical services management, 1965-1990: A quarter century of change and a look to the future* (pp. 93-103). New York: Haworth Press.

Shaw, D. (1996). Challenges of information technology in improving information services. In *Proceedings of the International Conference on Information Science and Technology: Perspectives in the 21st Century* (pp. 425-437). Taipei, Taiwan: National Central Library.

Shaw, D. (1994). Libraries of the future: Glimpses of a networked, distributed, collaborative, hyper, virtual world. *Libri*, 44(3), 206-223.

Shaw, D., & Fouchereaux K. (1993). Research needs in information science. *Bulletin of the American Society for Information Science*, 19(4), 25.

Shaw, D. (1989). Considerations on the [BRS - Pergamon Orbit Infoline] merger: An educator's view. *RQ*, 29(1), 116-118.

Shaw, D. (1989). Libraries and mainframe computers, or when do you need a 747? In C. H. Davis (Ed.), *Database Management: How Much Power Is Enough? Proceedings of the 1989 Clinic on Library Applications of Data Processing* (pp. 6-14). Urbana, IL: Graduate School of Library and Information Science, University of Illinois.

Shaw, D. (1988). Information literacy and education of information professionals. *Bulletin of the American Society for Information Science*, 14(2), 35.

Shaw, D., & Edelstein, J. (1987). Research funding for information science: At what cost? *Bulletin of the American Society for Information Science*, 13(3), 34.

Shaw, D., & Edelstein, J. (1987). The tender research trap. *Bulletin of the American Society for Information Science*, 13(5), 33.

Davis, C. H., & Shaw, D. (1986). *Library and information science: a catalog of selected doctoral dissertation research*. Ann Arbor, MI: University Microfilms.

Shaw, D. (1986). Curriculum review revisited. *Bulletin of the American Society for Information Science*, 12(5), 6.

Shaw, D. (1985). Accreditation and information science. *Bulletin of the American Society for Information Science*, 11(4), 13-14.

Shaw, D. (1985). Another look at continuing education. *Bulletin of the American Society for Information Science*, 12(1), 22.

Charbonneau, G., Shaw, D., & Szatkowski, D. (1983). *Examples of holdings reports and decisions using the American National Standard for Serials Holdings Statements at the Summary Level*. Bloomington, IN: Indiana University Libraries.

Shaw, D., & Davis, C. H. (1983). The concept of entropy in the arts and humanities. *Journal of Library and Information Science*, 9(2), 135-148.

Shaw, D., & Dingle, S. (1983). Education for information science at the doctoral level. *Bulletin of the American Society for Information Science*, 10(1), 28-26.

Shaw, D. (1982). A review of developments leading to online union listing of serials. In P. Gellatly (Ed.), *Management of serials automation* (pp. 185-190). New York: Haworth Press.

Davis, C. H., & Shaw, D. (1981). A brief look at introductory information science in library schools, 1980. *Journal of Education for Librarianship*, 21(4), 3413-43.

Shaw, D. (1981). Library automation: A brief review, with a Hoosier slant. *Indiana Libraries*, 1(4), 126-132.

Alexander, J., & Shaw, D. (1979). Perceptions of networking: A compilation of official resolutions relating to network issues adopted by delegates at the Pre-White House Conference on Libraries and Information Services. In B. E. Markuson & B. Woolls (Eds.) *Networks for networkers* (pp. 369-404). New York: Neal-Schuman.

Shaw, D. (1976). *Classification and arrangement of microforms in academic libraries*. ERIC Document 125 537.

### **Book Reviews**

Shaw, D. (2006). Review of Crowley, Bill. *Spanning the theory-practice divide in library and information science*. Lanham, MD: Scarecrow Press, 2004. *Library & Information Science Research*, 28(1), 165-167.

Shaw, D. (2002). Review of Rice, Ronald E., McCreadie, Maureen M., & Chang, Shan-Ju L. *Accessing and browsing information and communication*. Cambridge, MA: MIT Press, 2001. *The Information Society*, 18(5), 417-418.

Davis, C. H., & Shaw, D. (1992). Review of Anne Sigismund Huff, Ed. *Mapping strategic thought*. Chichester, Pa.: Wiley; 1990. *Journal of Economic and Social Intelligence*, 2(2), 165-166.

Shaw, D. (1992). Review of Zen and the art of the Internet: A beginner's guide to the Internet, by Brendan P. Kehoe. Chester, Pa.: Computer File; January 1992. *Library Quarterly*, 62(4), 481-483.

Shaw, D. (1991). Review of *Toward a search theory of information* by J. W. Janes, Ph.D. dissertation, Syracuse University, 1989. *Library & Information Science Research*, 13(4), 436-437.

Shaw, D. (1991). Review of *Problem solving in libraries: A Festschrift in honor of Herbert Goldhor*, R. R. Powell (Ed.), *Library Trends*, 38(2), 1989. *Collection Management*, 14(1/2), 182-184.

Shaw, D. (1990). Review of *Online searching for end users: An information sourcebook*, by F. Batt. Phoenix: Oryx Press; 1988. *Journal of the American Society for Information Science*, 41(3), 211.

Shaw, D. (1990). Review of *Advances in library automation and networking*, vol. 3, J. A. Hewitt (Ed.). Greenwich, CT: JAI Press; 1989. *Library Quarterly*, 60(4), 370-371.

Shaw, D. (1990). Reviews of: *Information literacy: Revolution in the library*, by P. S. Breivik & E. G. Gee. New York: American Council on Education and Macmillan; 1989. and *Information literacies for the twenty-first century*, V. P. Blake & R. Tjoumas (Eds.). Boston: G. K. Hall; 1990. *Database*, 13(6), 81-82.

Shaw, D. (1985). Review of *Collection overlap implications for sharing monograph cataloging among western Australian libraries* by A. Gilbert & H. Immonen. *Western Library Studies*, no. 3. Perth: Western Australian Institute of Technology, The Library; 1984. *Library & Information Science Research*, 7(3), 303-304.

### **Indexes**

Shaw, D. (1986-1999). Index to the *Annual Review of Information Science and Technology*, M. E. Williams (Ed.), volumes 21-34. Knowledge Industry Publications; Elsevier; Learned Information; Information Today, Inc.

Shaw, D. (1993). Index to *Designing environments for constructive learning*, J. Lowyck, T. M. Duffy, & D. H. Jonassen (Eds.). Berlin: Springer-Verlag.

Shaw, D. (1988). Index to *Pascal programming for libraries: Illustrative examples for information specialists*, C. H. Davis, G. W. Lundeen, & D. Shaw. Westport, CT: Greenwood.

### **Workshops and Invited Lectures (selected)**

“New Directions: Research, Curriculum, and Realignment” panelist, ALISE Annual Conference, January 23, 2013.

“LIS Research: Strengths, Weaknesses, Opportunities, and Threats” panelist, ALISE Annual Conference, January 20, 2012.

“Identifying (with) Citation Identity,” University of Western Ontario, June 5, 2002.

“What Is the Web and What’s It Becoming?” Southern Ohio Chapter of the American Society for Information Science and Technology, March 27, 2001.

“Library Brain Drain: Is It Real? What Can We Do?” Panel discussion at the Indiana Library Federation Annual Conference, April 11, 2001.

“Dog Years, Internet Years, and Library Time” presented at the Evansville Vanderburgh County Public Library Staff Institute, May 4, 2000.

“Focusing on the World Wide Web,” Graduate School of Library and Information Science, University of Washington, October 14, 1997.

“Challenges of Information Technology in Improving Information Services,” International Conference on Information Science and Technology: Perspectives in the 21st Century, Taipei, Taiwan, November 9, 1996.

“The Late Great Internet,” Central Ohio Chapter of the American Society for Information Science, May 15, 1996.

“Beyond Boole: The Next Logical Step,” with Charles H. Davis, Southern Ohio Chapter of the American Society for Information Science, February 28, 1995.

“Human-Computer Interaction for Information Retrieval,” Queen Margaret University College, Edinburgh, Scotland, April 28, 1995.

“The Joy of MARC” workshop on Machine Readable Cataloging for the Rolling Prairie Library System, Decatur Illinois, October 18, 1990.

Lecturer on Retrospective Conversion of Bibliographic Information, Michigan Library Consortium, 1983.

**Referee for:**

American Society for Information Science and Technology Annual Meetings

Economic and Social Research Council, U.K.

Guggenheim Foundation

Kuwait University

MacArthur Fellows Program

National Online Meeting

U.S. Institute of Museum and Library Services

U.S. National Science Foundation

*Communications of the Association for Computing Machinery*

*International Journal of Man-Machine Studies*

*Journal of the American Society for Information Science and Technology*

*Journal of Library and Information Science Education*

*Journal on Educational Resources in Computing*

*Library & Information Science Research*