# VITA

**(1) NAME:** Carol Collier Kuhlthau

**(2) CURRENT RANK AND APPOINTMENT DATE:** Professor II, July 2004

Professor Emerita, January 2006

**(3) NATURE OF APPOINTMENT:** FT, regular, tenured

**(4) ENTRY RANK AND APPOINTMENT DATE:** Assistant Professor, 09/01/85

**(5) SALARY:**

**(6) EDUCATION:**

| Degree | Institution | Major | Date Conferred |
|--------|-------------|-------|----------------|
| BS | Kean College | Early Childhood Education | 1959 |
| MLS | Rutgers University: Dept. of Library and Information Studies | School Library Media Services | 1974 |
| Ed.D | Rutgers University: Graduate School of Education | English Education | 1983 |

**Dissertation Title:** "The Library Research Process: Case Studies and Interventions with High School Seniors in Advanced Placement English Classes Using Kelly's Theory of Constructs." 1983. Janet Emig, Chair

**(7) AREAS OF SPECIAL COMPETENCE IN LIBRARY EDUCATION:**

Cognitive and affective aspects of information seeking;

School Library Media Center management and curriculum;

User-centered Library Services;

User education.

**(8) LIBRARY EXPERIENCE:**

School Librarian Parsons School, North Brunswick, NJ 1974-75

Educational Media North Brunswick Township High 1975-78
Specialist School, North Brunswick, NJ

Educational Media Lawrence Brook School 1978-80
Specialist East Brunswick, NJ

Head Educational East Brunswick High School 1980-85
Media Specialist East Brunswick, NJ

## (9) OUTSIDE EXPERIENCE:

Teacher Brooklake School 1959-62
Florham Park, NJ

Teacher Lord Stirling School 1962-63
New Brunswick, NJ

Visiting Lecturer, Rutgers, the State University of NJ, 1984

Visiting Professor, Faculty of Education, University of Hong Kong, July 2006.

Visiting Professor, Fulbright Senior Scholar, Department of Information Sciences,
University Strossmayer, Osijek, Croatia, May 2006.

Visiting Professor, Department of Information Management, Aberdeen Business School,
Aberdeen, Scotland, June 2007.

## (10) RESEARCH AND NON-RESEARCH PUBLICATIONS:

**a. Books or Book Chapters:**

**Books Authored:**

*Guided Inquiry: Learning in the Information Age*. with Leslie Maniotes and Ann Caspari.
Westport, Connecticut: Libraries Unlimited, forthcoming.

*Seeking Meaning: A Process Approach to Library and Information Services*. 2nd edition.
Westport, CT: Libraries Unlimited, 2004.

*Inquiry-based Learning: Lessons from Library Power.* with Jean Donham, Kay Bishop,
Dianne Oberg. Linworth Publishing, 2002.

*Como usar biblioteca na escola: Um programa de atividades para o ensino fundamental*, in Portuguese with Bernadete Campello, et.al.,2002.Awarded Fundacao Nacional do Livro Infantil e Juvenil prize from Brazilian national foundation on children's literature.

*Teaching the Library Research Process.* The Center for Applied Research in Education, 1985. Second ed., Metuchen, N.J: Scarecrow Press, 1994. Swedish Translation and updated edition of Kuhlthau's *Teaching the Library Research Process* by Marianne Auby Hudden and Annika Aringer, 2005.

*Seeking Meaning: A Process Approach to Library and Information Services.* Norwood, NJ: Ablex Publishing Co., 1993.

*Information Skills for an Information Society: a Review of Research.* ERIC Clearinghouse on Information Resources, Syracuse, University, 1987.

*School Librarians' Grade-by Grade Activities Program: A Complete Sequential Skills Plan for Grades K-8.* Nyack, NY: The Center for Applied Research in Education/ Prentice Hall, 1981.

**Books Edited:**

School Library Media Annual, 1993. Editor with Associate Editors M. Elspeth Goodin and Mary Jane McNally. Volume 11, Englewood, CO: Libraries Unlimited, 1993.

School Library Media Annual, 1994. Editor with Associate Editors M. Elspeth Goodin and Mary Jane McNally. Vol. 12, Englewood, CO: Libraries Unlimited, 1994.

Assessment and the School Library Media Center. Editor with Associate Editors M. Elspeth Goodin and Mary Jane McNally, Englewood, CO: Libraries Unlimited, 1994.

The Virtual School Library. Editor with Associate Editors M. Elspeth Goodin and Mary Jane McNally, Englewood, CO: Libraries Unlimited, 1996.

**Book Chapters:**

"Student Learning Styles: Implications for the School Library Media Specialist." In School Library Media Annual. Edited by Shirley Aaron and Pat Scales. Libraries Unlimited, 1987, pp. 287-292.

"A Process Approach to Library Skills Instruction." In The Emerging School Library Media Program: Readings. Edited by Frances B. McDonald. Libraries Unlimited, 1988, pp. 220-227.

"School Libraries and Media Programs." In ALA Yearbook of Library and Information Services. Edited by Roger H. Parent. 13th ed., American Library Association 1988, pp. 299-304.

"On-Line Computer Database in School Library Media Centers." With Joyce Sherman in To Support the Learner: A Collection of Essays on the Applications of Technology in in Education. Edited by Andrew J. Seager, Office of Educational Research and Improvement, U.S. Department of Education, 1989, pp. 96-101.

"State Guidelines and Standards for School Library Media Programs." With Bonnie L. Kunzel in School Library Media Annual. Edited by Jane Bandy Smith. Libraries Unlimited, 1989, pp. 78-83.

"On-line Computer Database in School Library Media Centers for Developing Skills in Information Use and Critical Thinking." With Joyce C. Sherman in Technology in Today's Schools. Edited by Cynthia Warger. Association for Supervision and Curriculum Development, 1990, pp. 51-56.

"Information Search Process: A Summary of Research and Implications for School Library Media Programs." In The Research of School Library Media Centers Papers of the Treasure Mountain Research Retreat, Park City, Utah, October 17-18, 1989. Edited by Blanche Woolls. Hi Willow Research and Publishing, 1991, pp. 11-120.

"Introduction," "A Process Approach to Library Skills Instruction," "Information Skills: Tools for Learning," "An Emerging Theory of Library Instruction," and "Information Search Process: A Summary of Research and Implications for School Library Media Programs." In Information Literacy: Learning How to Learn, a collection of articles from School Library Media Quarterly. American Library Association, 1991.

"Conversations in Print: Response to Ann Irving," School Library Media Annual. Edited by Jane Bandy Smith. Libraries Unlimited, 1992.

"The Information Search Process in Science Education." with Mary Jane McNally. The Reference Librarian. Edited by Carol Truett, Haworth Press, 1994, pp. 53-60.

"Assessing the Library Research Process." In Assessment and the School Library Media Center. Edited by Carol C. Kuhlthau with Associate Editors M. Elspeth Goodin and Mary Jane McNally, Libraries Unlimited, 1994.

"The Instructional Role of the Library Media Specialist in the Information Age School," In Information for a New Age: Redefining the Librarian, LIRT, American Library Association, (Library Instruction Round Table) 15th Anniversary Book, Libraries Unlimited, 1995. pp. 47-54.

"Implementing a Process Approach to Information Skills: a Study Identifying Indicators of Success in Library Media Programs." in Sustaining the Vision: A Collection of Articles and Papers on Research in School Librarianship, in Honor of Jean E. Lowrie. Edited by Laurel A. Clyde, Hi Willow for the International Association of School Librarianship, 1996.

"Literacy in the Information Age School: Skills for Life-long Learning. "Media Literacy in the Information Age. Edited by Robert Kubey. Transaction Publishers, 1997, pp. 441-448.

"Seeking Meaning: The Process of Learning from Information." Syrgley Lectures Series, Vol. 2, School of Library and Information Studies, Florida State University, 1997.

"An Uncertainty Principle for Information Seeking: a Qualitative Approach." In Encyclopedia of Microcomputers, vol. 19. Edited by Allen Kent and James G. Williams. New York: Marcel Dekker, Inc. 1996, pp. 69-81. And in Encyclopedia of Library and Information Science, vol. 61. Edited by Allen Kent. New York; Marcel Dekker, Inc. 1997. pp. 355-368.

"History of School Libraries in New Jersey." with Mary Jane McNally, Anne Voss and Arabelle Pennypacker in History of New Jersey Libraries. Edited by Edwin Beckerman. Scarecrow Press, 1997, pp. 153-168.

"Literacy and Learning for the Information Age." in Student Learning in an Information Age: Principles and Practice. Edited by Barbara Stripling, Libraries Unlimited, 2000.

"Information Search Process" in Theories of Information Behavior. Edited by Karen E. Fisher, Sandra Erdelez, Lynne McKechnie. American Society for Information Science and Technology, 2005.


## b. Scholarly Journal Articles:

"A Process Approach to Library Skills Instruction." School Library Media Quarterly (Winter) 13(1) 1985, pp. 35-40.

"An Emerging Theory of Library Instruction." School Library Media Quarterly (Fall) 16(1) 1987, pp. 23-28.

"Cognitive Development and Student's Research." School Library Journal (11) 1987, p. 46. Selected for inclusion in The Best of School Library Journal 40th Anniversary Publication, Neal-Schuman, 1997.

"Perceptions of the Information Search Process in Libraries: A Study of Changes from High School Through College." Information Processing and Management 24(4) 1988, pp. 419-427.

"Longitudinal Case Studies of the Information Search Process of Users in Libraries." Library and Information Science Research (July-September) 10(3) 1988, pp. 257-304.

"Meeting the Information Needs of Children and Young Adults: Basing Library Media Programs on Developmental States." Journal of Youth Services in Libraries (Fall) 2(1) 1988, pp. 51-57.

"Developing A Model of the Library Search Process: Investigation of Cognitive and Affective Aspects." Reference Quarterly (Winter) 28(2) 1988, pp. 232-242.

"The Information Search Process of High-, Middle-, and Low-Achieving High School Seniors." In "Current Research." Edited by Michael B. Eisenberg, School Library Media Quarterly (Summer) 17(4) 1989, pp. 224-228.

"Information Search Process: A Summary of Research and Implications for School Library Media Programs." School Library Media Quarterly (Fall) 18(5) 1989, pp. 19-25.

"The Information Search Process: From Theory to Practice. "Journal of Education for Library and Information Science Continuing Education Column. Edited by Darlene Weingand 31(1) 1990.

"Validating A Model of the Search Process: A Comparison of Academic, Public, and School Library Users." With Betty J.Turock, Mary W. George, and Robert J. Belvin. Library and Information Science Research (January-March) 12(1) 1990, pp. 5-32.

"Inside the Search Process: Information Seeking from the User's Perspective." Journal of the American Society for Information Science (JASIS) (June) 42(5) 1991, pp. 361-371.

"Tiedonhankinnan Tutkimuksesta:Kasitteellisia ja Metodologisia Nakokohtia." [Research in Information Seeking: Conceptual and Methodological Perspectives]. Kirjastotiede ja Informatiikka 11 (3) 1992, pp. 79-85.

"Implementing a Process Approach to Information Skills: a Study Identifying Indicators of Success in Library Media Programs." School Library Media Quarterly (Fall) 22(1) 1993, pp. 11-18.

"A Principle of Uncertainty for Information Seeking." Journal of Documentation (December) 49(4) 1993, pp. 339-355.

"Impact of the Information Search Process Model on Library Services." in "Library Literacy."Edited by Mary Reichel, Reference Quarterly RQ, 34 (1) 1994, pp. 21-26.

"Students and the Information Search Process: Zones of Intervention for Librarians." In Advances in Librarianship. Edited by Irene Godden. Academic Press, 1994, pp. 57-72

"The Process of Learning from Information," School Libraries Worldwide, Journal of the International Association of School Librarianship. (January) 1 (1) 1995, pp. 1-12. Published in Finnish, 1996, "Informaatiosta Oppimisen Prosessi" in Kipinoita Oppimiseen Kirjasto Oppimisen Tukena. Edited by Liisa Niinikangas.

"Learning in Digital Libraries: An Information Search Process Approach." in "Children in Digital Libraries" Library Trends. Edited by Frances Jacobson, 45 (4) 1997, pp. 708-724.

"Accommodating the User's Information Search Process:Challenges for Information Retrieval System Designers." Bulletin of the American Society for Information Science 50th anniversary special issue on information seeking and finding, 25 (3) 1999, pp. 12-16.

"The Role of Experience in the Information Search Process of an Early Career Information Worker: Perceptions of Uncertainty, Complexity, Construction and Sources." Journal of the American Society for Information Science (JASIS) 50(5) 1999, pp. 399-412.

"Opportunities for Student Learning in Library Power Schools." School Libraries Worldwide, 5 (2), 1999, pp. 80-96.

"Information Seeking in Context." Theme issue of Information Processing and Management, edited with Pertti Vakkari, 35 (6), 1999

"Information Search Process of Lawyers: A Call For 'Just For Me' Information Services." Journal of Documentation 57(1), 2001, pp. 25-43.

"Information and Information Seeking of Novice Versus Expert Lawyers: How Experts Add Value," with Charles Cole in The New Review of Information Behaviour Research, Volume 1, 2000.

"The Information Search Process (ISP) A Search for Meaning Rather than Answers," Doshisha Journal of Library and Information Science, (In Japanese) Doshisha University, 2001.

"Information Seeking for Learning: a Study of Librarians' Perceptions of Learning in School Libraries," with Mary Jane McNally. The New Review of Information Behaviour Research. Studies in information seeking in context. Volume 2, 2001.

### c. Other Journal Articles

"Let the Students Set the Goals." Instructional Innovator March 1981, pp. 28-29.

"Ten Considerations for Planning a Library Skills Curriculum." Emanations 7(2) Spring 1984, pp. 10-11+.

"Finding Meaning in Library Media Centers." School Library Media Activities Monthly April 1985, pp. 30-31+.

"Feelings in the Library Research Process." Arkansas Libraries 42(2) June 1985, pp. 23-26.

"School Library Media Centers in a New Partnership." New Jersey Libraries 18(3) Fall 1985, pp. 7-10.

"Identification of Library Media Centers Programs. Recommended for Visiting and Observing: Final Report." Emanations 10(1) 1986, p. 14.

"The Library Media Specialists' Role in the Instructional Goals of the School." Emanations 10(2) 1987, p. 8.

Objectives of the Library Media Center: A Study of Perceptions of School Administrators, Board Members, Teachers, and Librarians." Emanations 11(2) 1988, p.7. (10)

"Model of the Information Search Process" *School Library Media Activities Monthly,* January 2003.

"Center for International Scholarship in School Libraries" *School Library Media Activities Monthly*, January 2005.

## d. Proceedings

"Stages in Child and Adolescent Development and Implications for School Library Instructional Programs." In Information Seeking; Proceedings of the Twenty-fourth Annual Symposium of the Graduate Alumni and Faculty of the Rutgers School of Communication, Information and Library Studies. Edited by Jana Varlejs. McFarland, 1987, pp. 40-51.

"Facilitating Information Seeking Through Cognitive Models of the Search Process." With Betty Turock, and Robert Belvin in Proceedings of American Society for Information Science 51st Annual Meeting, Vol. 25 Information Technology: Planning the Next 50 Years 1988, pp. 70-75.

Flowcharting the Information Search: A Method for Eliciting Users' Mental Maps." With Robert Belvin and Mary George in Proceedings of American Society for Information Science 52nd Annual Meeting, Vol. 26 Managing Information and Technology 1989, pp. 162-165
.
"Bringing Up an Information Literate Generation: Dynamic Roles for School and Public Libraries." In Information Literacy: Learning How to Learn: Proceedings of the Twenty-eighth Annual Symposium of the Graduate Alumni and Faculty of the Rutgers School of Communication, Information and Library Studies. Edited by Jana Varlejs. McFarland, 1991, pp. 6-12.

"The Process Approach to Bibliographic Instruction: An Examination of the Search Process in Preparation for Writing the Research Paper." In Judging the Validity of Information Sources: Teaching Critical Analysis in Bibliographic Instruction Proceedings of the 18th National Library Instruction Conference. Edited by Linda Shirato. Pierian Press, 1991, pp. 7-13.

"Information Search Process: A Summary of Research and Implications for School Library Media Programs. In The Research of School Library Media Centers papers of the Treasure Mountain Research Retreat, Park City, Utah, October 1989, edited by Blanche Woolls. Hi Willow Research and Publishing, 1991, pp. 11-120.

"Exploration Into Stages in the Information Search Process in Online Information Retrieval: Communication Between Users and Intermediaries." With Amanda Spink and Colleen Cool. In Celebrating Change: Information Management on the Move. Proceedings of the 55th Annual Meeting of the American Society for Information Science October 26, 1992, Pittsburgh, PA.

"The Influence of Uncertainty on the Information Seeking Behavior of a Securities Analyst." Information Seeking in Context, University of Tampere, Finland, August 1996, Taylor-Graham, 1997, pp. 268-274.

"The Relation of Information and Uncertainty in Information Seeking." Conference on Conceptions of Library and Information Science (COLIS 2). Royal School of Librarianship, Copenhagen, Denmark, October 1996, pp. 367-376.

"The Concept of a Zone of Intervention for Identifying the Role of Intermediaries in the Information Search Process." Global Complexity: Information, Chaos and Control. Annual Meeting of the American Society for Information Science, October 1996, Baltimore, MD, pp. 91-94.

"Instructional Interventions for Information Use: Research for Practice." Keynote address in Proceedings of the Sixth Treasure Mountain Research Retreat for School Librarianship, March 1997, Portland, OR.

"Investigating Patterns in Information Seeking Concepts in Context." Keynote address in Proceedings of the Information Seeking in Context (ISIC) Conference, edited by T.D. Wilson, University of Sheffield, UK, August 1998.

"Imagery for Constructing Meaning in the Information Search Process: A Study of Middle School Students." With Linda Cooper in Proceedings of the Information Seeking in Context (ISIC) Conference, edited by T.D. Wilson, University of Sheffield, UK, August 1998.

"Literacy and Learning in the Information Age." Proceedings of the International Conference on Information Literacy and Lifelong Learning, edited by Mei Mei Wu, National Normal University of Taiwan, May 1999.

"The Information Search Process (ISP) A Search for Meaning Rather Than Answers," Empirical Study on Information Use Behavior of Researchers and Learners in the Electronic/Networked Environments. The Ministry of Education, Culture, Sports, Science and Technology, Japan, Report for the Fiscal year 1999/2000.

"Information Literacy through Guided Inquiry: Preparing Students for the 21st Century," International Association of School Librarian Conference Proceedings, 2006.

**e. Book Reviews:**

Naturalistic Inquiry for Library Science Methods and Applications for Research, Evaluation, and Teaching by Constance A. Mellon, Journal of Academic Librarianship, 16 1991. pp. 369.

User Education in Academic Libraries edited by Hugh Fleming, Library Quarterly, 62(3) 1992, p.349.

Qualitative Research in Information Management edited by Jack D. Glazier and Ronald R. Powell, Journal of Academic Librarianship. 19 1992. p. 309.

Information Seeking in Electronic Environments by Gary Marchionini, Library Quarterly, 66(4) 1996, pp. 483-485.

**f. Other Forms of Publication:**

"Information Search Process: The Process Approach to Learning in the Information Age School." Distance Education video workshop, training for library media specialist and teachers with Diane Condal, produced by University of South Carolina, 1995.

Content Advisor, The Mind's Treasure Chest full-length feature film with content based on Teaching the Library Research Process. Distributed by Learn TV, 1991. Gold Award Winner at the Chicago International Film Festival, the National Educational Film and Video Festival, the U.S. International Film and Video Festival, and the Philadelphia International Film Festival.

"Resource-Based Teaching." In National Teleconference for School Administers. Produced by the American Association for School Librarians and Association for Educational Communications and Technology, aired Feb 1989.

"Resource-Based Teaching." Interview on Professional Journal. Produced by New Jersey Network, initially aired April 1989.

Content Advisor, Tomes and Talisman ITV series with content based on School Librarians' Grade-by-Grade Activities Program. Distributed by Great Plains ITV. Winner of Silver Medal in the International Film and Television Festival of New York, 1986.

Editor, "Information Literacy." Theme issue of NJ Libraries, Spring 1993.

Editor, "Educating Information Users." Theme issue of School Library Media Quarterly, Fall 1987.

Editor, Library Media Center Study and Research Skills Instructional Program K-12. Educational Media Association of New Jersey, 1985.

Editor, Library Media Center Recommended for Visiting and Observing. Educational Media Association of New Jersey, 1985.


**(11) RESEARCH ACTIVITIES:**

    a.  Research in Progress:

During the past twenty years a noticeable shift has occurred in the discipline of library and information science from a system-orientation to a user-centered approach. My early research into the user's perspective of information seeking and the development of the model of the information search process (ISP) has made a major contribution in this area.

My original research contribution was a six stage model of the information search process developed from a study of high school students that describes the changes in thoughts, actions and feelings in the process. This model was validated and refined in a series of expansive investigations with diverse library users and later with people in the workplace. One of the major findings of this research is the change in the holistic experience in the process of information seeking, incorporating the physical, cognitive and affective dimensions from the perspective of the user. The model reveals that the process begins with a substantial feeling of uncertainty that commonly increase with information seeking before decreasing through the formulation, construction and learning.

The ISP model is substantially different from other models of information seeking in that it describes a complex process of constructing from information rather than the common view of information seeking merely as collecting information. This model challenged the traditional source approach to librarianship that attempted to solve users' information need solely by location of sources while ignoring the more confounding interpretation tasks that confront users in the process of using information for learning and where users are seeking meaning rather than merely seeking information. Over the years the ISP model has become one of the most highly cited in the field of library and information science.

In 2004, I published the 2nd edition of my major book on this work, *Seeking Meaning: a process approach to library and information service*. In the book I present a principle of uncertainty for information seeking that acknowledges the dilemma of

the user in the early uncertain stages of the ISP confronting a library or information system primarily designed to respond to a clear, certain request for specific information or a particular source. The concept of a zone of intervention at critical points in the ISP was introduced to assist the user in the process of constructing from a variety of sources of information.

School libraries have been a primary area of impact and application of my research. The ISP model is recognized as one of the few in the field based on empirical research and has been established as a foundation for library and information skills programs and information literacy initiatives. In the last few years I have been concentrating on the critical problem facing the international school library community of demonstrating the impact of school libraries on learning as a significant component in designing schools to education the next generation of workers and citizens. At Rutgers my colleague Ross Todd and I have established the Center for International Scholarship in School Libraries (CISSL) concentrating on the impact of school libraries on learning in K-12 schools. We conduct macro and micro impact studies and are developing prototype methodology and instruments that can be widely replicated in diverse schools across the country and abroad.

My research reveals the potential of the school library as the inquiry center in 21$^{st}$ century schools that has been overlooked by major school reform efforts. These studies confirm my earlier findings that the ISP model may be applied for guiding inquiry where a constructivist view of learning is predominant among the teachers and administrators. My latest project is a book on *Guided Inquiry* for K-12 school librarians, teachers and administrators on implementation of the ISP concepts for improving learning for their students. *Guided Inquiry: Learning in the Information Age* written with Leslie Maniotes and Ann Caspari will be published in 2007 by Libraries Unlimited.

## b. Research Grants:

"Testing a Model of a Process Approach to Information Seeking: Information Search Process of High, Middle, and Low Achieving High School Seniors." Rutgers University Research Council Grant, 1988.

"Facilitation of Information Provision Through Cognitive Models of the Search Process." Principal Investigator with Betty J. Turock, Project Manager. Library Research and Demonstration Program, U.S. Department of Education, October 1987-November 1988. $100,000.

"Impacts on Student Learning of the National Library Power Project," Research Consultant to National Evaluation Project, University of Wisconsin, funded by DeWitt Wallace - Reader's Digest Fund, 1994-1997. $25,000.

"Impact of School Libraries on Student Learning." With Ross Todd. IMLS National Leadership Grant, 2003-2005. $220,459.

"Research as a Basis for Enhancing Learning for K-12 Students in Impoverished Communities in New Jersey," The Rutgers University President's Program for Research in Service to New Jersey with Ross Todd and Mark Winston, 2005-2006, $9,975.

**c. Research Reports on Grants:**

Information Search Process of High, Middle, and Low Achieving High School Seniors. Report to Rutger's University Research Council, June 1988. ED 310 787, ERIC Clearinghouse on Information Resources, Syracuse University.

Facilitating Information Seeking Through Cognitive Modeling of the Search Process. Report to U.S. Department of Education, on Library Research and Demonstration Grant G008720323-87, December 1988. ED 328 268 ERIC Clearinghouse on Information Resources, Syracuse University.

**d. Invited Formal Lectures:**

"Considerations for Planning a K-12 Library Skills Curriculum." EMAnj/NJLA Fall Conference, New Brunswick, NJ, December, 1983.

"The Library Research Process." AASL National Conference, Atlanta, GA., November 1984.

"Conducting Locally-based Research." EMAnj/NJLA Fall Conference, New Brunswick, NJ December 1984.

"Stages in the Library Research Process." Delaware Library Association Annual Conference, Dover, October 1985.

"Strategies for Teaching the Library Research Process." Ohio Library Association Annual Conference, Cincinnati, November 1985.

"Bridging the Gap: Applying Information Skills in Elementary, Secondary, and College Libraries." Atlantic and Cape May County Library Association, Atlantic County College, Mays Landing, NJ, March 1986.

"Stages in Child and Adolescent Development: Implications for School Library Instructional Programs." Alumni Symposium, Library and Information Studies Department, SCILS, Rutgers, April 1986.

"The Library Research Process: Case Studies and Interventions with High School Seniors."Seventh Annual Ethnography in Education Research Forum, University of Pennsylvania" a Graduate School of Education, Philadelphia, April 1986.
"Research Styles: Case Studies of Six Young Adults." New Jersey Library Association, Atlantic City, May 1986.

"Library Skills K-12: Integrating with the Curriculum." Tulsa Area Continuing Education Cooperative, Sapulpa, OK, August 1986.

"Essential Elements of a Library Instruction Program." Keynote Address, Maryland State Department of Education Conference on Developing Quality Programs in Support of School Library Media Standards, Annapolis, September, 1986.

"Cognitive Development: Considerations for Planning Children's Services." Sponsored by the Children's Department of the Morris County (NJ) Library, March 1987.

"Critical Thinking Skills as Basic Library Skills." Long Island (NY) School Media Association, Nassau Community College, May 1987.

"A Process Approach to Information Seeking: Report of Research in Progress." American Association of School Librarians Research Committee, San Francisco, CA, June 1987.

"The Role of the Media Specialist in Integrating Research Skills and Critical Thinking into the Curriculum." Keynote Address. Alabama Instructional Media Association, Decatur, AL, October 1987.

"Trends and Future Directions in School Library Media Centers." Invitational Conference For Librarians and Administrators, New Jersey State Library, Cape May, NJ, October 1987.

"Cognitive Models of the Library Search Process: A Report of Research." New Jersey Library Association, Atlantic City, NJ, May 1987.

"The Information Search Process of High, Middle and Low Achieving High School Seniors." American Association of School Librarians Research Forum, New Orleans, LA, July 1988.

"Facilitating Information Seeking Through Cognitive Modeling of the Search Process." American Society for Information Science, Atlanta, GA, October 1988.

"The Teaching Role of the Media Coordinator." Keynote Address. North Carolina Association of School Librarians, Winston-Salem, October 1988.

"Bibliographic Instruction in the Electronic Age." First General Session, Ohio Library Association, Columbus, November 1988.

"The Information Search Process from Theory to Practice." Educational Media Association of NJ, New Brunswick, November 1988.

"Strategies for Teaching the Information Search Process: Modules for MLS Courses." Association for Library and Information Science Education, Washington, DC, January 1989.

"Designing Library Programs for Academic Students." NJ Independent School Association, Rutgers Preparatory School, Somerset, NJ, February 1989.

"A Summary of Research on the Information Search Process." School of Information Studies, Syracuse University, Syracuse, NY, February 1989.

"Inside the Library Research Process: Users' Thoughts and Feelings as They Seek Information." Association of College and Research Libraries, Cincinnati, OH, April 1989.

"Research on the Information Search Process: Implications for Academic Libraries." William Paterson College, Wayne, NJ, April 1989.

"Validating a Model of the Search Process: A Comparison of Academic, Public and School Library Users." with Betty Turock, Mary George, and Robert Belvin. Presentation of the Jesse H. Shera Award for Outstanding Research Paper of 1989. American Library Association Annual Conference, Dallas, TX, June 25, 1989.

"Relationship Between Library Instruction and Critical Thinking." Library Instruction Round Table, American Library Association Annual Conference, Dallas, TX, June 25, 1989.

"Process Approach to Library Skills Instruction." Cleveland Area Metropolitan Library System, Case Western Reserve University, Cleveland, OH, September, 28, 1989.

"Information Search Process: A Summary of Research and Implications for School Library Media Programs." Paper commissioned for Treasure Mountain Research Retreat, Park City, Utah, October, 17, 1989.

"Invitation to Research: Team Teaching the Library Research Process." with Mary Jane McNally. American Association of School Librarians National Conference, Salt Lake City, Utah, October 20, 1989

"Flowcharting the Information Search: A Method for Eliciting Users' Mental Maps." With Robert J. Belvin and Mary W. George. American Society for Information Science Annual Meeting, Washington DC, November 2, 1989.

"Resource-based Learning: Discussion of NJN Video." Educational Media Association of NJ Annual Conference, New Brunswick, NJ, November 3, 1989.

"The Library Research Process: Users' Thoughts and Feelings as They Seek Information." Philadelphia Area Reference Librarians, Philadelphia (PA) Hospital, February 1, 1990.

"Perceptions of the Role of School Library Media Specialists: Findings of Study of Administrators, Board Members, Teachers, and Librarians." New Jersey Principals and Supervisors Association, Ramada Inn, Clark, NJ, March 6, 1990.

"Teaching the Library Research Process." Association for Indiana Media Educators, Inc. Annual Conference, Adam's Mark Conference Center, Indianapolis, IN, March 16, 1990.

"Bringing Up an Information Literate Generation: Dynamic Roles for School and Public Libraries. "Annual Symposium of the Graduate Alumni and Faculty of SCILS, Rutgers University, Cook Campus Center, New Brunswick, NJ, April 6, 1990.

"Critical Thinking Within the Information Search Process." New Mexico Library Association 1990 Conference, Albuquerque Convention Center, April 20, 1990.

"Relating the Library Media Center to the Curriculum." Oakland (County) Schools, Pontiac, Michigan, May 10, 1990.

"The Process Approach to Bibliographic Instruction: An Examination of the Search Process in Preparation for Writing the Research Paper." 18th National Library Instruction Conference, Eastern Michigan University, Ypsilanti, Michigan, May 11, 1990.

"Information Search Process: A Summary of Research and Implications for School Library Media Specialists." Educational Media Association and New Jersey Library Association Annual Conference, New Brunswick, NJ, October 29, 1990.

"Information Literacy: Partners for Success." Keynote Address, Nassau County (NY) School Library System Administrators Breakfast, December, 11, 1990.

"Skills for an Information Age." Keynote Address, Workshop for Library Media Specialists from schools targeted in the Quality Education Act. New Jersey Department of Education, Rutgers University Labor Education Center, March 8, 1991.

"Bringing Up an Information Literate Generation." Keynote Address, Rhode Island Educational Media Association Annual Conference, Warwick, Rhode Island, March 13, 1991.

"Teaching the Library Research Process." Guest Lecturer, Princeton University Seminar for Undergraduate Teacher Preparation Program, Princeton, April 15, 1991.

"Information Search Process: A Summary of Research." Seminar with Faculty at the Swedish School of Library and Information Science, University College of Boras, Sweden, May 21, 1991.

"Teaching Study Skills: The High School to College Experience." Education and Behavior Sciences Section of the Association of College and Research Libraries, Atlanta, Georgia, July 1, 1991.

Research Process of Secondary School Students." Research and Development Committee of Association for Library Services for Children and Young Adult Services Division of American Library Association, Atlanta, Georgia, July 2, 1991.

"The Process of Learning from Information." Guest Lecturer, School Media Institute Lecture Series, School of Information Studies. Syracuse University, Syracuse NY., July 31, 1991.

"The Process of Research and Report Writing." Guest Lecturer, Institute on Writing and Reading and Civic Education, Harvard Graduate School of Education, Cambridge, Ma., August 8, 1991.

"Information Literacy Skills." College and University Section of the Nebraska Library Association, Annual Convention, Omaha, Ne., October 11, 1991.

"Research on the Information Search Process." Emporia State University, School of Library and Information Management, Distance Learning Session, Lincoln, Ne., October 12, 1991.

"Discussion of Implications of Research on the Information Search Process." Teleconference, Emporia State University, School of Library and Information Management, Distance Learning Session, Denver, Co., October 12, 1991.

"The Research Process." New York Library Association Annual Conference, New York, NY., November 23, 1991.

"Information Literacy: Students and the Information Search Process." East Carolina University, Greenville, NC., December 14, 1991.

"Library Media Specialists in the Information Age School." Camden County Educational Media Association, February 8, 1991.

"Research in Information Seeking: Conceptual and Methodological Perspectives." Keynote address at the seminar on Research on Information Needs and Seeking, Department of Information Studies, University of Tampere, Tampere, Finland, May 22, 1992.

"Information Search Process: Building a Theoretical Framework." Seminar for Ph. D. students, Department of Information Studies, University of Tampere, Finland, May 25, 1992.

"Using Findings from Qualitative Studies to Improve Practice." Treasure Mountain Research Retreat III. Qualitative Research: Methodologies to Assess the Impact of School Library Media Programs, Manresa Retreat Center, Arnold, MD., October 20, 1992.

"Practitioner/Researcher Partnerships" with Carol Kroll and Louise Limberg, Treasure Mountain Research Retreat III Qualitative Research: Methodologies to Assess the Impact of School Library Media Programs, Manresa Retreat Center, Arnold, MD., October 20, 1992.

"Researchers Talk with Practitioners: A Partnership for Qualitative and Collaborative Research in School Library Services." Panel Discussion at American Association of School Librarians Sixth National Conference, Baltimore, MD., October 23, 1992.

"Zones of Intervention: Vital Roles for Librarians in the Process of Information Seeking." Beta Phi Mu Annual Distinguished Lecture, School of Information and Library Studies, University Michigan, Ann Arbor, MI, November 12, 1992.

"The Information Search Process: Skills for Life-long Learning." John P. and Alice McCarthy Commons Centennial Lectureship in Children's Librarianship, The University of Texas at Austin, February 1, 1993.

"A Theoretical Framework for School Librarianship: A Vision for the Future." Swedish School of Library and Information Science, University College of Boras, March 18, 1993.

"Accreditation Standards for Library Education in United States and Canada." Swedish School of Library and Information Science, University College of Boras, March 19, 1993.

"A Principle of Uncertainty for Library and Information Studies." PhD. seminar at the University of Gothenburg, Sweden, March 21, 1993.

"Information Search Process: Report of Research into the User's Perspective of Information Seeking." The Royal School of Librarianship, Copenhagen, Denmark, March 31, 1993.

"Zones of Intervention: A Concept for Library and Information Services." The Royal School of Librarianship, Copenhagen, Denmark, April 1, 1993.

"Seeking Meaning: A Process Approach." Seminar at the Department of elementary Education, University of Alberta, Canada, May 5, 1993.

"A New Generation of Library Media Specialists: Where Student Learning is the Goal." Moderator for Panel at the National Conference of the American Association of School Librarians, Indianapolis, November 11, 1994.

Assessment and the School Library Media Center," with Elspeth Goodin and Mary Jane McNally. Educational Media Association of New Jersey Annual Conference, New Brunswick, NJ, December 4, 1994

"An Uncertainty Principle for Library and Information Services." The Lazerow Lecture Sponsored by the Institute for Scientific Information, Graduate School of Education and Information Studies, University of California, Los Angeles, March 7, 1995.

"A Process Approach to Library and Information Services," School of Library and Information Studies, University of Hawaii at Manoa, Honolulu, March 10, 1995.

"Restructuring the School Library Program for the Information Age." Educational Media Association of New Jersey, Annual Fall Conference, Long Branch, December 3, 1995.

"The Role of the School Librarian in the Age of Technology." New Jersey Association of Independent Schools, Montclair Kimberly Academy, February 7, 1996.

"The Concept of Process in Information Studies." Ph.D. seminar, University of Tampere, Finland, August 13, 1996.

"The Influence of Uncertainty on the Information Behavior of a Securities Analyst." Information Seeking in Contexts Conference, University of Tampere, Finland, August 14, 1996.

"The Relation of Information and Uncertainty in Information Seeking." with Nolan Ledet. Second International Conference on Conceptions of Library and Information Science: Integration in Perspective, Royal School of Librarianship. Copenhagen, Denmark, October 16, 1996, pp. 367-376.

"The Concept of a Zone of Intervention for Identifying the Role of Intermediaries in the Information Search Process." Global Complexity:Information, Chaos and Control, American Society for Information Science (ASIS) Annual Meeting, October 22, 1996, pp. 91-94.

"Meaning, Authority, and Practice Interdisciplinary Approaches.' with Mary K. Chelton, Gary Radford, and Marie Radford, Library Research Seminar, Florida State University, November 2, 1996.

"Literacy in the Information Age School" and "A New Vision for Library Media Specialists Where Student Learning is the Goal." European Council of International Schools Fall Conference, Nice, France, November 22, and 23, 1996.

"Instructional interventions for Information Use:Research for Practice,"Keynote Address, Treasure Mountain IV Research Retreat, Portland, OR, March 31, 1997.

"Concept and Theory Building in Library and Information Science Research." Seminar for Ph.D. students from six countries (Finland, Denmark, Norway, Sweden, Russia, and Estonia) with Pertti Vakkari and Marti Kuokkanen at the Department of Information Studies, University of Tampere, Finland, August 18-22, 1997.

"Learning From Research" sponsored by the College and University Library Division of the Arizona Library Association, Annual Conference, Phoenix, November 7, 1997.

"The Changing Role and Look of the School Library" Keynote at the Conference on the Future of School Libraries, The New Jersey School Development Council, Rutgers University, December 4, 1997.

"A Process Approach to Bibliographic Instruction" Keynote for Annual Conference on Teaching Strategies for Bibliographic Instruction, New Jersey Library Association, College and University Section, User Education Committee, The College of New Jersey, April 16, 1998.

"The Role of the Library in the Information Age School" Keynote for the 25th Anniversary Conference of the Pennsylvania School Librarians Association, Hershey, PA, May 1, 1998.

"Learning in Libraries' American Association of School Librarians Annual Conference Program, Expert Reactor Panel, Washington, DC, June 9, 1999.

"Investigating Patterns in Information Seeking:Concepts in Context" Keynote at Information Seeking In Context (ISIC) Conference, University of Sheffield, UK, August 15, 1998.

"Learning in School Libraries" Keynote at the seminar on the future of libraries in schools in Brazil, School of Library and Information Science at the Federal University of Minas Gerais, Brazil, October, 1998.

"Perspectives on Research in School Library Media Centers" School of Library and Information Science at the Federal University of Minas Gerais, Brazil, October, 1998.

"Research on the Information Search Process" School of Library and Information Science at the Federal University of Minas Gerais, Brazil, October, 1998.

"Some Perspectives on Research in Information Seeking Behavior."Department of Library and Information Studies, Shih Hsin University, Taipei, Taiwan, May 1999.

"Current Issues in Research Related to Information Literacy." Department of Library and Information Science, National Taiwan University, Taipei, May 1999.

" Literacy and Learning for the Information Age." Keynote at the International Conference on Information Literacy and Lifelong Learning, National Taiwan Normal University, Taipei, May 1999.

"Collaboration in the Learning Process:Challenges for Librarians in the Information Age University" at an Information Literacy Conference sponsored by the Workshop on

Instruction in Library Use (WILU) at Mc Gill University in Montreal Canada on May 20, 1999.

"The Role of the School Library in the Learning Process." Keynote at the Canadian School Library Association annual conference in Toronto on June 18, 1999.

"Designing Library Media Programs Based on Inquiry for Learning in the Information Age School." Educational Media Association of NJ Fall Conference, October 25, 1999.

"Stages of the Information Search Process: Creating Strategies for Effective Research Assignments." University of Arizona, February 4, 2000.

"Information and Information Seeking of Novice versus Expert Lawyers: How Experts Add Value" with Charles Cole, Information Seeking in Context (ISIC) Conference, University of Gothenborg, Sweden, August 16, 2000.

"Information Seeking for Learning: a Study of Librarians' Perceptions of Learning in School Libraries" with Mary Jane McNally, Information Seeking in Context (ISIC) Conference, University of Gothenborg, Sweden, August 17, 2000.

"Libraries and Learning in the Information Age School." Keynote lecture in seminar series on Library Cultures: Exploring Dimensions of Change, School of Information and the University Library, University of Michigan, September 20, 2000.

"Meeting the Core Curriculum Standards through Inquiry-Based Learning" with Malore Brown, Educational Media Association of New Jersey Annual Fall Conference, Cherry Hill, NJ, October 22, 2000.

"Beneath the Surface: How Library Users Experience the Research Process" Princeton University Woodrow Wilson School, February 8, 2001.

"The Information Search Process (ISP): A Search for Meaning Rather than Answers" Keio University in Tokyo, Japan, March 2001.

"The Information Search Process (ISP): From the User's Perspective" Doshisha University in Koyoto, Japan, March 2001.

"Rethinking Libraries for the Information Age School: Vital Roles in Inquiry Learning," Keynote Address, International Association of School Librarianship, Auckland, New Zealand, July 2001.

"From Web Surfing to Web Seeking: An Inquiry-Based Approach," with Ross Todd, American Association of School Librarians Tenth national Conference, Indianapolis, Indiana, November 2001.

"Panel on Accreditation," American Society for Information Science and Technology (ASIST) annual conference, Washington,D.C., November 2001.

"Longitudinal Study Methods in Information Seeking and Retrieval," Libraries in the Digital Age (LIDA) 2002, Dubrovnik, Croatia, May 2002.

"Theoretical Aspects of Information Seeking Behavior" Panel Chair, Information Seeking in Contexts (ISIC) 2002 Universidade Lusiada, Lisbon, Portugal, September 2002.

"Crossing Boundaries: Challenges for Library and Information Science" Keynote address at Conference Concerning the Future at the Swedish School of Library and Information Studies, University College of Boras, Sweden, October, 2002.

"The User's Perspective of Information Seeking and Use: Research Issues" Seminar for faculty and doctoral students at the Swedish School of Library and Information Studies, University College of Boras, Sweden, October 2002.

"New Perspectives on Seeking Meaning: a Process Approach for Library and Information Services" Open Lecture at the Swedish School of Library and Information Studies, University College of Boras, Sweden, October 2002.

"The User's Perspective of the Information Seeking Process" Keynote address at the seminar on information literacy "Informatievaardigheden, Van noodzakelijk kwaad tot basicsimpetentie" University of Leiden, The Haag Campus, The Netherlands, October 2002.

"The User's Perspective of Information seeking and Use" Open Lecture for the Faculty of Humanities and Information Science, University of Amsterdam, The Netherlands, October 2002.

"What's the Use? Extending and Revising Notions of use and Users in Information Behavior Research" Panelist at the American Society for Information Science and Technology (ASIST) annual meeting November, 2002.

"Rethinking Libraries for the Information Age School" Paper read at the conference on learning and libraries at the University of Padua, Department of Education Science, Italy, January 2003.

"Seeking Meaning: Concepts for Library and Information Services" Open Lecture at the Royal School of Library and Information Science, Aalborg University Campus, May 2003.

"Information Searching Processes" Keynote Address at the Conference on Navigating in Chaos at Aalborg University Library, Denmark, May 2003.

"Learning through Information Searching Processes" Workshop at the Conference on Navigating in Chaos at the Aalborg University Library, Denmark, May 2003.

"Seeking Meaning: Concepts for Library and Information Services" Open Lecture at the Royal School of Library and Information Science, Copenhagen, May 2003.

"The Information Search Process: Pathways to Information Literacy" Keynote Address at the Australia School Library Association Conference, Hobart, Tasmania, October 2003.

"Information Seeking from the User's Perspective: Research Implications" Lecture for Staff and Graduate Students at the University of Technology, Sydney, Australia, October 2003.

"Zones of Intervention in the Information Search Process: Vital Roles for Academic Librarians" University of Technology Library, Sydney, Australia, October 2003.

"Researching the User's Perspective of the Information Search Process" Bibliometric & Informetric Research Group (BIRG) at the School of Management and Systems, University of New South Wales, Sydney, October 2003.

"The Impact of the School Library on Student Learning" Seminar for Teacher Librarians at the State Library of New South Wales, Sydney, Australia, October 2003.

"Zones of Intervention in the Information Search Process: Vital Roles for Public Librarians." Workshop at the State Library of New South Wales, Sydney, October 2003.

"Zones of Intervention in the Information Search Process: Vital Roles for Librarians" Workshop sponsored by the Australia Library and Information Association and Queensland University of Technology, Brisbane, Australia, October 2003.

"The User's Perspective of Information Seeking: Challenges for Information System Designers" Seminar at the School of Information Management and Systems at Monash University, Melbourne, Australia, October 2003.

"The Impact of School Libraries on Student Learning" Keynote for Open Meeting for International School Library Day sponsored by Charles Sturt University, Wagga Wagga, Australia, October 2003.

"Zones of Intervention in the Information Search Process: Vital Roles for Librarians" Keynote address at the Library Orientation Exchange (LOEX) Conference, Ypsilanti, MI, May 2004.

"Toward Collaboration Between Information Seeking Research and Information Retrieval" Keynote address at the Information Seeking in Context (ISIC) Conference, Dublin, Ireland, September 2004.

"Meeting the Challenge of Intellectual Access: Vital Roles for Librarians," Margaret Mann Lecture, University of Michigan School of Information, Ann Arbor, MI, October 2004.

"Toward Collaboration between Information Seeking Research and Information Retrieval," keynote address Information Seeking in Context (ISIC) biannual conference, University of Dublin, Ireland, September 1, 2004

"Meeting the Challenge of Intellectual Access: Vital Roles for Librarians," The Margaret Mann Lecture at the School of Information, University of Michigan, October 13, 2004.

"Tribute to Marcia Bates' Contribution to Information Seeking Research," Association for Library and Information Science Education (ALISE), Boston, January 12, 2005.

"Assessing Information Literacy: Cycles of Inquiry" Workshop at the International Association of School Librarians (IASL), annual conference, Hong Kong, July 8, 2005

"Can the Information Search Process (ISP) model be transposed to the Hong Kong context? International Association of School Librarians (IASL), annual conference, Hong Kong, July 9, 2005.

"Information Literacy and the Information Search Process," University of Hawaii, Department of Information and Computer Sciences, Library and Information Science Program, Honolulu, February 4, 2006.

"Seeking Meaning: Reflections on the Information Search Process," College of Information Science and Technology, Drexel University, Philadelphia, Pa. March 14, 2006.

"Literacy Barriers in Society: How Communication and Information Research and Education Can Make a Difference," Twenty-First Annual Deans' Lecture, School of Library and Information Science, University of South Carolina, Columbia, SC. April 6, 2006.

"Learning in Libraries in the Digital Age," Libraries In the Digital Age (LIDA) Dubrovnik, Croatia, May 29, 2006.

"Guided Inquiry: A Framework for Learning Through the Digital Age School Library," Libraries In the Digital Age (LIDA), Dubrovnik, Croatia, May 30, 2006.

"Learning Through the Inquiry Process: Vital Roles for Librarians," Video Conference Keynote, Annual Information Literacy Forum, Des Moines Area Community College, Iowa, June 14, 2006.

"Information Literacy through Guided Inquiry: Preparing Students for the 21st Century," Keynote at the Annual Conference of the International Association for School Librarians (IASL) Lisbon, Portugal, July 6, 2006.

**e. Significant Professional Consulting**

New Jersey Public Television. Consultant on future role of ITV in New Jersey schools, 1981.

North Hunterdon Regional High School District Library Media Services, with Donald R. King, 1985.

Somerset County College Media Services, 1987.

NJ State Library School Library Media Services Task Force. Research Consultant for project on "School Library Media Centers in New Jersey: an Educational Imperative." 1987.

Woodrow Wilson High School, Camden NJ. Consultant on planning and implementing a process approach to information skills for at-risk secondary school students, 1989.

Nassau County (NY) School Library Cooperative. Consultant on planning and implementing a K-12 process approach to information skills, 1987-92.

Children's Museum of Indianapolis. Consultant on information literacy initiative, funded by Kellogg Foundation, 1995.

School of Library and Information Studies, University of Wisconsin-Madison, Consultant on Evaluation of National Library Power Project, funded by DeWitt Wallace Foundation, 1994-97.

Future direction of the School Library Media Specialist Program at the College of Library and Information Studies, University of Maryland, 1998.

Review of the School Library Media and the Youth Services Programs at the School of Information Studies, Florida State University, Tallahassee, FL, 1999.

Consultant on Technology Grant Project for Information Literacy across the University, Seton Hall University Library, South Orange, New Jersey, 2001-2006.

"Student Learning through Ohio School Libraries," Consultant with the Center for International Scholarship in School Libraries on study with Ross Todd. Ohio Educational Library Media Association, the Ohio Department of Education, The State Library of Ohio and INFOhio – the Ohio K-12 information network, 2002-2003.

"User-Centered Information Literacy Education – Application of Multimedia in e-Learning and Blended Learning," Senior Consultant on Learning Objects Web Project with Niels Blaabjerg, Thomas Hansen and Bo Pedersen, Aalborg University, Denmark, 2005-2007.

National Forum on Information Literacy, Honorary Advisory Committee, 2005

**Editoral Board:**

School Library Media Quarterly, 1991-1998

Emergency Librarian, 1991-1999

The New Review of Information Behaviour Research, 2000 - 2003

Journal of Documentation, 2000-2005

Encyclopedia of Library and Information Sciences, 3rd Ed., 2005 - 2007

**f. Other Creative Research Productions:**

"Institute on the Library Research Process for Secondary School Librarians." Rutgers summer session, recorded on videotapes, July 1987.

"Information Search Process: Application of Critical Thinking." One-day Institute, Nassau County School Library System, Floral Park, NY, April 1988.

"The Information Search Process: Residential Institute for Academic and School Librarians." With Mary George, Rutgers Summer Session, July 1988.

"The Information Search Process: a Workshop for School Library Media Specialists." One-day Institute, Anne Arundel County Public Schools, Millersville, Maryland, January 1989.

"Exploring the Information Search Process: Applications for Reference and Instruction." With Mary George, Institute at University of Michigan summer session, Ann Arbor, MI, July 24-28 1989.

"The Information Search Process: Implications for Teaching Research and Study Skills." An immersion program for teacher-librarians, Canadian Library Association, Medicine Hat College Alberta, Canada, July 29 - August 3, 1990.

"Assigning and Guiding Library Research" Workshop for school library media specialists and teachers, Nassau County (NY) School Library System, December 11, 1990

"Process Approach to Library Research." Workshop for school library media specialists and teachers, New Jersey Department of Education, State Library Development Bureau, April 20, 1991.

"Exploring the Information Search Process: Applications for Reference and Instruction."

Workshop for school librarians, Boras, Sweden, May 22, 1991 and Stockholm, Sweden, May 24, 1991.

"The Library Research Process." Training Sessions for teams of librarians and teachers (grades 4-12) Bellmore (NY) School District, July 8 - 12, 1991.

"Teaching the Library Research Process." Workshop for secondary school teachers, library media specialists, and admistrators. Sponsored by Leyden Community High School and Lyons Township High School for teams from eight area high schools, Lyons Township High School, LaGrange, Illinois, September 19-20, 1991.

"Information Search Process Workshop." Training for teachers and librarians from Eanes and Round Rock school districts, Austin Texas, February 2, 1993.

"Teaching the Information Search Process." Training for elementary and secondary school library media specialists, interview on video by Daniel Callison, University of Indiana, Bloomington, October 15, 1994.

"Information Search Process:Critical Thinking Skills." Training for teachers and librarians sponsored by Hawaii Association of School Librarians. Pearl City, Hawaii, March 11, 1995.

"Seeking Meaning: A Process Approach to Researching the Academic Paper." Training for Academic Librarians sponsored by Michigan Library Association. University of Michigan, Dearborn, April 21, 1995.

"School Library Media Specialists and the Information Search Process." Video produced by Library and Information Science Distance Education Consortium, The College of Library and Information Science, University of South Carolina, 1995.

"Learning Process and Libraries." Training for Finnish librarians and Estonian teachers with David Carr, Caroline Coughlin and Jana Varlejs. Further Education Centre for Vocational Institutes and Administration, Tampere, Finland, August 19-22, 1996.

"Successful Strategies for Independent Work and Research Papers," with Mary George, McGraw Center for Teaching and Learning Workshop for Undergraduates, Princeton University, November, 2001.

"The Information Search Process in the Academic Library." Rutgers Universities Libraries Instruction Services Committee Workshop, Rutgers University, New Jersey, May 2002.

"International Research Symposium on Learning in School Libraries," with Ross Todd, sponsored by the Center for International Scholarship in School Libraries (CISSL) and the Institute for Museum and Library Services (IMLS), Scholastic Library Inc, New York, April 28 and 29, 2005.

"Guided Inquiry: Impact of the School Library on Student Learning Program," with Ross Todd, Training Institute for Teams of School Librarians and Teachers from Selected from National Applicants, the Center for International Scholarship in School Libraries (CISSL) funded by the Institute for Museum and Library Services (IMLS), Rutgers University, July 26-28, 2005.

The Rutgers University President's Program for research in Service to New Jersey award provided seed money for a major initiative based on CISSL research on the impact of libraries on learning to develop school libraries for children and teen in urban Abbott districts. To initiate the project an invitational seminar of representatives of selected Abbott districts was held on November 21, 2005 attended by school librarians, building administrators, supervisors, regional library directors, representatives from NJDOE, NJ Library Association Executive Director and New Jersey Association of School Librarians President. An action plan and timeline for implementation developed with Ross Todd completes the first phase of this project, 2005-2006.

## (12) HONORS

American Society of Information Science and Technology, SIG USE Award for Outstanding Contribution to Information Behavior Research, 2006.

Fulbright Senior Scholar to Department of Information Sciences, University Strossmayer in Osijek, Croatia, May 2006.

New Jersey Association of School Librarians Life Membership, 2006-

American Society of Information Science and Technology Research in Information Science Award for Outstanding Research Contributions in the Field of Information Science, 2005.

New Jersey Association of School Librarians Carol Kuhlthau Leadership Award established in 2005 given each year to a graduating Rutgers MLIS student specializing in School Librarianship.

Association for Library and Information Science Education Award for Professional Contribution to Library and Information Science Education, 2004.

Carol Kuhlthau Award established in 2003 for innovative school librarians in Brazil by the School of Library and Information Science at the Federal University of Minas Gerais with royalities from Portugese translation of Kuhlthau"s *School Librarian's Grade by Grade Program. Como usar a biblioteca na escola.*

Library and Information Technology Association Frederick G. Kilgour Award for Research in Library and Information Technology, 2002.

College and Research Library Association of New Jersey Distinguished Service Award. 2001.

American Association of School Librarians' Distinguished Service Award, sponsored by Baker and Taylor, for 2000.

American Association of College and Research Libraries Instructional Section Miriam Dudley Instruction Librarian Award for 2000.

Educational Media Association of New Jersey
President's Award for Outstanding Service and Contribution to the Profession, 1997.

The Dean's Lecture, The College of Library and Information Science
University of South Carolina, 1997.

The Lazerow Lectureship of the Institute for Scientific Information, Department of Library and

Information Science, University of California, Los Angeles, 1995.

Sara K. and Ted Srygley Lectureship, School of Library and Information Studies, Florida State University, 1994.

Rutgers School of Communication, Information and Library Studies, Faculty Research Award, 1994.

John P. and Alice McCarthy Commons Centennial Lectureship in Children's Librarianship, The University of Texas at Austin, 1993.

Beta Phi Mu Annual Distinguished Lecture, University of Michigan, 1992.

Association for Educational Communications and Technology Award for Outstanding Contributions to the School Library Media Field through Publishing, and Teaching, awarded in 1990.

American Library Association Jesse H. Shera Award for the Outstanding Research Paper for 1989.

Kappa Delta PI, international honor society in education.

Rutgers Faculty Merit Award, 1987-88; 1988-89; 1994-95.

Who's Who in American Women, 1985-

## (13) PROFESSIONAL ACTIVITIES:

National Commission on Information and Library Science Symposium on Information Literacy and Education for the 21st Century: Toward an Agenda for Action, Advisory Committee and Group Leader, 1989.

National Forum on Information Literacy, 1990 - 1994.

State of New Jersey, Office of the Governor
Educational Advisory Council on Chapter Two Block Grants, 1989-91.

New Jersey State Library

State Library Services and Construction Act Advisory Council, 1985-91.
State Library Network Review Board, 1986-88.

State Library Committee On Guidelines for School Library Media Centers, 1988-90.
State Library Committee, "Charting the Future: A Roadmap for New Jersey Libraries."
1989-90.

Library Leadership Advisory Committee, 1988-89.
Mentor to Leadership Candidate, 1988-89.

**International Research Initiatives**

International Conference on Information Seeking In Context - ISIC,  member permanent planning committee, conference held in Sheffield, England, August 1998; Gothenborg, Sweden, 2000; Lisbon, Portugal, 2002; Dublin, Ireland, 2004; Sydney, Australia, July 2006; Lithuania, 2008.

Information Seeking in Context (ISIC) Faculty International Doctoral Student Workshop, 1998-2006.

First Symposium on Information Interaction in Context – IiiX,  planning committee, Copenhagen, October 18-20, 2006; London, 2008.

**Association Activity**

**American Library Association**

Committee on Research, 1988-92.
Presidential Committee on Information Literacy, 1987-89.

Carroll Preston Baber Research Award Jury, 1987-90.
Candidate for Council, 1991.

Committee on Accreditation, 1992-1994
Library Research Round Table, Chair 1994-1995
User Instruction for Information Literacy, Chair 1995-1996

**American Association for School Librarians**

Library Instruction Committee, Chair, 1985-87
Research Committee, 1986-90
NEA Mastery in Learning Project
Advisory Committee, 1986-88
Affiliate Assembly, 1987-88
Nominating Committee, 1989-90
Information Skills Task Force, 1989-92, Chair, 1989-91

Preconference From Library Skills to Information Literacy, Atlanta, Georgia,
June 28 - 29 1991, Chair.
Publication Committee, 1994-1995
President's Program Committee, 1995-1996
Learning in Libraries Task Force, 1997-1998
Standards Revision Advisor, 1997
Teaching in Libraries Task Force, 1998-1999

**Association of College and Research Libraries**

Bibliographic Instruction Section

**Association for Library Services to Children**

Library Instruction Round Table
Publication Task Force, 1986-87

**New Jersey Library Association**

Joint Committee on School and Public Library Cooperation, 1982-84
User Education Committee, 1988
Panel for User Education Committee on CD ROM Technology, 1990

**Educational Media Association of NJ**

President, 1987-88
Vice President, 1985-86;President-elect, 1986-87;
Past President, 1988-89
Professional Development, Chair, 1983-84
EMANJ/NJLA Fall Conference Chair
"Literacy, Learning and Libraries" 1986
Nominating Committee, 1988-89
Representative from SCILS, 1989-98

**American Society for Information Science**

NJ Chapter 1991 Distinguished Lectureship Committee
NJ Chapter 1994 Distinguished Lectureship Committee, Chair
NJ Chapter 1996-97 Program Committee

**Association for Library and Information Science Education**

Discussion Group Leader, 1988, 1990
Professional Development Committee, 1990-1991, 1994-1995
Research Committee, 1995-1997
Director, 1997-2000

**Association for Educational Communications and Technology**

Affiliate Assembly, 1987-88
Research Committee, 1988-90

**Other:**

Middle States Association of College and Schools, evaluator, 1983.

National Association of State Directors of Teacher Education and Certification State (NASDTEC)

Evaluation team member to the University of Maryland College Park, October 17 - 19, 1990.

American Library Association Committee on Accreditation (COA)
Evaluation team member to Louisiana State University, Baton Rouge, October 1994.
Evaluation team member to University of Illinois, Champaign, September 1997
Chair, Evaluation Review Team to Florida State University, Tallahassee, Spring 1998.

National Science Foundation invitational workshop on Social Aspects of Digital Libraries, University of California at Los Angeles, February 16-17, 1996.

Kellogg Foundation invitational meeting on future of library and information science education, University of Michigan, November 1993 and April 1995.

International advisor for the graduate school at the International School of Social Sciences (ISSS) at the University of Tampere, Finland, 1998-

**Manuscript Review:**

American Society for Information Science (ASIS) Annual Meeting, 1989.
Library and Information Science Research, 1988 -
Prentice Hall, Center for Applied Research in Education, 1980-87.
Scarecrow Press, 1985.
Library Quarterly, 1990 -
Journal of the American Society for Information Science (JASIS), 1994-
Journal of Academic Librarianship
Information Processing and Management
School Library Media Quarterly. 1989-

Emergency Librarian, 1990-1995
Journal of Documentation
Canadian Journal of Information and Library Science

External Evaluation for Faculty Promotion and Tenure for:
Indiana University, Syracuse University, University of California, University of Michigan, Wayne State University, University of Wisconsin, University of Hawaii University of Pittsburgh, University of Oklahoma

## (14) LOCAL INSTITUTIONAL ACTIVITIES:

Chair of Library and Information Science Department - 1999-2002
Director of Master of Library and Information Science Program - 1999-2002
Director of Center for International Scholarship in School Libraries (CISSL) – 2003-2006

Research Consultant for Center for International Scholarship in School Libraries (CISSL) 2006-

Master of Library and Information Science - Coordinator of Educational Media Specialization, 1985-2005

Ph.D Program in Communication, Information and Library Studies, Full Faculty Member Coordinator of Ph.D in Library Studies, 1991-1995
Executive Committee - 1992-1995

Rutgers Research Council - 1999-2005
University Senator representing SCILS 1994-97

**Dissertation Committees:**
Elspeth Goodin, 1987
Frank LoPresti, GSE, 1988
Jacqueline Algon, 1999
Diane Sonnonwald, 1993
San Ju Chang, 1995
Hongseok Park, 1994
Jane Wallace, 1995
Roberta Brody, 1996
Mary Kay Chelton, 1996
Nancy Thomas, 1996
So Young Reih, 2000
Michael Chumer, 2002

**Chair:**
Louise Miller, 2000
Gayle Stein, 2000
Mary Jane McNally, 2005
Yangwoo Kim, 2005

**External Examiner for Doctor of Philosophy Theses for:**

Abo Akademi University, 2002. Jannica Heinstrom. "Fast Surfers, Broad Scanners and Deep Divers: Personality and Information-Seeking Behaviour."

The University of New South Wales, Sydney Australia, 1996. Harry Bruce "A user oriented view of Internet as information infrastructure."

The University of Technology, Sydney Australia, 1996
Ross Todd "Information utilization: a cognitive analysis of how girls utilize drug information based on Brookes' Fundamental Equation K[S+AS]"

NASDTEC Certification Review and Report, Chair, 1985


## (14) LOCAL INSTITUTIONAL ACTIVITIES

MLS Colloquium, Speaker, "Selling Your Library to Your Constituency" October 1985
Symposium or Alumni and Faculty of SCILS, Speaker, "Stages in Child and Adolescent Development and Implications for School Library Instructional Programs" April 1986

Ph.D Colloquium, Speaker, "Affective Aspects of the Information Search Process: A Review of Research" May 1989

Symposium for Alumni and Faculty of SCILS, Speaker, "Seeking Meaning and the Mediation of User's Information Needs" April 1990

Symposium for Alumni and Faculty of SCILS, Speaker, "Bringing Up an Information Literate Generation" May 1995

Rutgers GSLIS Alumni Executive Board, 1981-83

**Committees:**

Library and Information Studies Department
Admissions, 1985-87, 1989-91
Courses of Study, 1985-86, 1993-94
Research Development, 1987-88 chair 1991-1992
Rules of Procedure, 1986-90 chair 1989
COA Facilities, 1986-87
COA Curriculum, 1986-87
Student Affairs Committee, 1996-1998

School of Communication, Information and Library Studies

Rules of Procedure, 1988-98
Research Development, 1992-95
Teaching, 1992
Grievance, 1992-1994
Vision/2000, 1993-1994
A & P Committee, 1993-1994;-1996
Distance Learning, 1994 - 1995
Administrative Council - 1995-1996
Research, 1997-1998

Chairs and Directors Council, 199-2001

**Course Development:**

**M.L.I.S.**
17:610:552 - Media Center and the Curriculum
17:610:554 - Audiovisual Services and Instructional Design
17:610:581 - Management of the Media Center
17:610:592 - Field Experience in School Libraries
17:610:514 - Information, Media and the Curriculum
17:610:551 - Information Technology and Media Services
17:610:572 - Organizational Contexts of Library and Information Services
17:610-575 - Educational Media Management
17:610-592 - Designing User Centered Information Services and Systems

**Ph.D.**
16:194:605 - Current Research Issues


**(15) CIVIC AND OTHER ACTIVITIES OF NOTE:**

New Brunswick Theological Seminary Board of Trustees, 1995-98, 1998-2001
Trustee, United Methodist Church at New Brunswick

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**<u>Last Updated April 20, 2006</u>**