

CURRICULUM VITAE

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Name: **Holly Shipp Buchanan, MLn, MBA, EdD, AHIP, FMLA**

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Credentialing: 2010-2015 Distinguished Member of the Academy of Health Information Professionals (highest level) Medical Library Association

Educational History:

- Doctorate in Education, EdD, University of Louisville, Louisville, KY
1994
- Master of Business Administration, MBA, University of Louisville, Louisville, KY
1983
- Master of Librarianship, MLn, Emory University, Atlanta, GA
1973
- Bachelor of Arts, BA, Biology, Cum Laude, Georgetown College, Georgetown, KY
1971

Employment History:

2011 – current Executive Director, Health Sciences Library and Informatics Center, The University of New Mexico, Albuquerque, NM

2011 – 2015 Chief Information Officer, Administration and Academic Systems, The University of New Mexico Health Sciences Center, Albuquerque, NM

2007 – 2011 Health Sciences Center Chief Information Officer, The University of New Mexico, Albuquerque, NM

2007 – 2009 Deputy Chief Information Officer (UNM-wide), The University of New Mexico, Albuquerque, NM

2004 – 2011 Associate Vice President for Knowledge Management and IT, Health Sciences Center; Director, Health Sciences Library and Informatics Center; and Professor (tenured) School of Medicine, The University of New Mexico, Albuquerque, NM

2001 – 2011 Director, Health Sciences Library and Informatics Center, Professor (tenured), School of Medicine, The University of New Mexico, Albuquerque, NM

1998 – 2001 Director, Health Sciences Center Library and HSC Computer Services, Associate Professor, School of Medicine, The University of New Mexico, Albuquerque, NM

1997 – 1998 Director, Health Sciences Center Library and Associate Professor, School of Medicine, The University of New Mexico, Albuquerque, NM

1993 – 1997 Director of Libraries and Associate Professor, Medical College of Georgia, Augusta, GA

1991 – 1993 Graduate Assistant, University of Louisville School of Education, Louisville, KY

1990 – 1993 Library Management Consultant, Louisville, KY

1985 – 1989 Director, Corporate Information Resources, Alliant Health System, Louisville, KY

1973 – 1984 Director, Medical Library, NKC Hospitals (currently Alliant Health System), Louisville, KY

1972 – 1973 Medical Library Assistant, Emory University, A. W. Calhoun Medical Library, Atlanta, GA

Employment History - concurrent temporary or visiting appointments, consultantships:

1992 – 1993 Special Consultant for TQM Implementation, University of Louisville, Information Technology Division, Louisville, KY

1975 Instructor, Advanced Bibliography, Spalding College, Louisville, KY

Professional recognition, honors, etc:

2009 Named Fellow of the Medical Library Association, May 2009

1998 Named one of the “100 Most Notable” [leaders] by the Medical Library Association during the anniversary of its first 100 years

1994 National Library of Medicine Fellowship in Medical Informatics at the Marine Biology Laboratory in Woods Hole, MA, June 1994

1992 Professional Recognition Award for Publication, Hospital Libraries Section, Medical Library Association

Memberships in Professional Societies:

- American Medical Informatics Association

- Association of American Medical Colleges; Group on Information Resources and its Simulation Section; Association of Academic Health Sciences Libraries
- Medical Library Association (personal member and institutional representative), South Central Chapter; and Hospital Libraries Section, and Medical Informatics Section
- Society for Simulation in Healthcare

Other extramural professional activities:

- 2015 – 2016 Mentor, NLM/AAHSL Leadership Fellows Program, for Stephen Kiyoi
- 2015 - 2016 Mentor, NN/LM SCR Emerging Leaders Award, for Rachel Helbing
- 2009 NLM Associate Practicum, 1st Year Associate Fellow, National Library of Medicine, Amy Donahugh
- 2008 – 2009 Association of Academic Health Sciences Libraries, Program and Education Committee, member
- 2008 NLM Associate Practicum, 1st Year Associate Fellow, National Library of Medicine, Joanna Karpinski
- 2006 – 2007 Mentor, Association of Academic Health Sciences Libraries/National Library of Medicine, National Leadership Fellows Program, for Nadine Dexter
- 2005 – 2007 President, Association of Academic Research Libraries of New Mexico
- 2005 Winter Practicum host, 1st Year Associate Fellow, National Library of Medicine, Oscencio (O.C.) Tom
- 2004 – 2005 Preceptor, 2nd Year Associate Fellow, National Library of Medicine, Erinn (Faiks) Aspinall
- 2002 Practicum supervisor for National Library of Medicine Associate, Laura Heilman, March 11-15, 2002
- 2001 – 2004 Secretary/Treasurer, Association of Academic Health Sciences Libraries
- 2000 – 2004 President-elect, President, and Past President, South Central Academic Medical Libraries Consortium (SCAMeL)
- 1999 – 2001 Editorial Board, member, Association of Academic Health Sciences Libraries. Annual Statistics Editorial Board which annually surveys, compiles data, prepares analyses, and publishes the Annual Statistics of the Medical School Libraries in the United States & Canada
- 1999 – current Editorial Board, member, Journal of Hospital Librarianship; publisher: Neal-Schuman
- 1999 – 2004 Alliance for Innovation in Science and Technology Information (formerly Library Services Alliance of New Mexico), institutional representative for full membership for development of collaborative electronic resources

- 1997 –2009 Board of Directors, South Central Academic Medical Libraries Consortium (SCAMeL), member
- 1997 Paper reviewer, AMIA Annual Fall Symposium, American Medical Informatics Association
- 1997 Practicum supervisor for National Library of Medicine Associate, Holly Grosetta Nardini, Spring
- 1995 – 1996 Professional Development Committee, chair, Special Libraries Association, Georgia Chapter
- 1995 – 1996 CSRA (Central Savannah Regional Area) Library Association, vice-chair
- 1988 – 1990 Board of Directors, Kentucky Library Network, Inc., member
- 1974 – 1976 Ohio Valley Area Health Sciences Library Association, chair

(Kentucky) State Department for Libraries and Archives:

- 1985 – 1991 Kentucky Advisory Council on Libraries (gubernatorial appointment), member
- 1981 – 1982 Task Force to Develop a Statewide Network, member

Medical Library Association (MLA):

- 2005 – 2007 Local Arrangements Committee Chair and member Program Committee, Annual Meeting, South Central Chapter, Albuquerque
- 2005 – 2007 Research Committee, member, South Central Chapter
- 2005 – 2006 Judge, Contributed Papers and Posters, October, 2005, Little Rock; October 2006 College Station, South Central Chapter
- 2004 – 2005 Chapter Benchmarking Representative, South Central Chapter
- 2000 Nominating Committee of the Hospital Library Interest Section, South Central Chapter
- 1999 – 2001 Benchmarking Taskforce, member
- 1996 – 1997 Janet Doe Lectureship Jury, chair (to select lecturer chosen annually for his/her unique perspective on the history or philosophy of medical librarianship; one of MLA’s most prestigious awards)
- 1995 – 1996 Janet Doe Lectureship Jury, member
- 1990 – 1991 Nominating Committee, member
- 1988 – 1990 Ad Hoc Committee on Position of Hospital Librarians, member
- 1988 – 1989 Ad Hoc Committee on Fellows and Honorary Members, chair

- 1987 – 1989 Strategic Planning Committee, chair
- 1986 – 1989 President, including terms as president-elect and past-president
- 1986 – 1987 Committee on Committees, chair
- 1986 – 1987 Nominating Committee, chair
- 1982 – 1986 National Program Committee, Annual Meeting in Minneapolis, MN, chair
- 1982 – 1985 National Program Committee, Annual Meeting in New York City, NY, member
- 1983 – 1984 Bylaws Committee, member
- 1981 – 1983 Board of Directors, member and Section Council, chairman
- 1981 – 1982 Executive Board, Midwest Chapter, Medical Library Association, member
- 1979 – 1982 Continuing Education Committee, member

Hospital Libraries Section, Medical Library Association:

- 1985 – 1987 Planning Committee, member and chair
- 1984 – 1987 Chairman-Elect, Chair, Past Chairman
- 1978 – 1980 Membership Committee, chair

National Library of Medicine (NLM), Regional Med. Library, National Network of Libraries of Medicine (NN/LM):

- 2010 National Library of Medicine, 2011-2016 National Network of Libraries of Medicine Recompetition, grant review panel
- 2008 National Library of Medicine, Contract Site Visit, NN/LM New England Region (NER) University of Massachusetts, Site Review Team, Member, July 24, 2008.
- 2007 – current National Library of Medicine, Board of Regents, appointed consultant
- 2006 – 2007 National Library of Medicine, Board of Regents, elected chair
- 2005 – 2006 National Library of Medicine, 2006-2011 National Network of Libraries of Medicine Recompetition, grant review panel
- 2004 – 2007 National Library of Medicine, Board of Regents, member of Strategic Planning Committee
- 2003 – 2007 National Library of Medicine, Board of Regents, member (appointment by U.S. Secretary of Health and Human Services, Tommy Thompson)

- 2003 National Library of Medicine. IAIMS Planning Grant and Information Systems Grant, June 12, 2003, grant review panel
- 2002 National Library of Medicine. Access to Digital Libraries, Special Emphasis Panel, July 22 & 23, 2002; member of grant review panel.
- 2000 National Library of Medicine. Internet Connections Grant, Ad Hoc Review Committee, June 8 & 9, 2000; member of competitive grant study panel
- 1999 – 2000 Board of Directors, chair, NN/LM, South Central Region
- 1999 National Library of Medicine, invited participant in Long-Range Planning meeting, Bethesda, MD, December 1, 1999
- 1998 NN/LM South Central Region. Public Health grant reviewer
- 1997 – 2009 Board member, NN/LM, South Central Region
- 1994 – 1996 Council Member, NN/LM, Southeastern/Atlantic Region, Regional Advisory Council
- 1988 Planning Meeting for Resource Grants and Medical Librarianship Education and Training
- 1988 Friends of National Library of Medicine, Board of Directors, member
- 1985 IAIMS Planning Grant Project Site Team, October 23
- 1984 Statement before the U.S. House of Representatives on NLM Funding
- 1980 – 1982 Chair, Hospital Library Survey Committee, Kentucky-Ohio-Michigan Regional Library Network, Region V

Regents’ Academic Committee on Libraries (RACL), University System of Georgia (USG), and GALILEO (Georgia Library Learning Online):

- 1997 GALILEO (Georgia Library Learning Online) Steering Committee, elected member
- 1996 – 1997 Directors’ Committee, Galileo 2 (G2) Integrated Library System for 34 USG institutions, member
- 1995 – 1997 GALILEO Assessment Committee, chair
- 1994 – 1996 GALILEO Library Services Working Group (which developed \$10M statewide web-based resources and information sharing infrastructure), member
- 1993 – 1997 Regents’ Academic Committee Libraries (RACL), member

Invited honorary lectures:

- 1996 Mirian H. Libbey Lecturer, “Meta-Librarians at the Crossroads of Metamorphosis and Metanoia.” Keynote Address at Annual Meeting, Georgia Health Sciences Library Association, Callaway Gardens, GA March 1996

Meeting sessions chaired:

- 2015 Chair, Local Arrangements Committee, 2017 Annual Meeting in Albuquerque, Medical Library Association, South Central Chapter
- 2007 Chaired, Planning for Summer Summit, sponsored by the Association of Academic Research Libraries of New Mexico, Socorro
- 2006 – 2007 Chair, Local Arrangements Committee, 2007 Annual Meeting in Albuquerque, Medical Library Association, South Central Chapter
- 2006 – 2007 Co-Chair, Program Committee, 2007 Annual Meeting in Albuquerque, Medical Library Association, South Central Chapter
- 2006 Chair, “Native American Concepts of Health and Disease Exhibit Preparation Meeting, for National Library of Medicine, Santa Fe, NM (as well as other locations throughout NM) Dec. 3 – 8, 2006
- 1996 Co-Director, “TeleHealth: A TeleSymposium of Tools and Techniques;” a teleconference offering .5 CEUs at 5 distance education sites throughout Georgia, March 16, 1996
- 1983 – 1986 Chair, National Program Committee, 1986 Annual Meeting of the Medical Library Association, Minneapolis, MN

Community Service:

- 2010 – 2014 Congregation B’nai Israel, Board of Directors, Albuquerque, NM; President-Elect 2013-2014
- 2010 – 2014 LCF Research Board of Directors, Lovelace Research Foundation (State Health Information Exchange), Albuquerque, NM
- 2009 -- 2009 High Desert Run for the Hills, Race Official
- 2008 – current La Tierra Sagrada Society, (community fund-raising organization for the UNM School of Medicine) Board of Directors, member; Vice President 2011 – 2013; President 2013 -
- 2008 High Desert Run for the Hills, Publicity Chair
- 2008 – current High Desert Residential Owners Association, Voting Member (The Aerie)
- 2008 United Way of Central New Mexico, Women in Philanthropy Mentoring Program, Mentor for Presbyterian Health System Nursing Director
- 2005 – 2007 High Desert Residential Owners Association, Alternate Voting Member (The Aerie)
- 2004 – current United Way, Women in Philanthropy, Albuquerque, NM
- 2002 Trial Juror, Second Judicial District Court, Albuquerque, NM, August, 2002

- 1998 Children's Miracle Network Telethon, volunteer, Albuquerque, NM, May 31, 1998
- 1997 – 1998 CyberMom, 4th/5th grade class, Georgia O'Keeffe Elementary School, Albuquerque, NM
- 1997 Kids College Advisory Group, member, Augusta State University, Continuing Education Department, Augusta, GA
- 1995 Augusta Online, Medical College of Georgia representative, Augusta, GA
- 1994 – current Friends of the National Library of Medicine, member
- 1987 Kentucky Vietnam Veterans Memorial Fund, Design Selection Process, member

Personal Research, Teaching and Service Interests

Research, teaching and service interests are integral to the development of a “collaboratory” for health sciences center libraries. As part of my recruitment to UNM I presented the concept and my personal philosophy for building a strong library. This philosophy drives my management style and areas of research interests.

To build a collaboratory, an environment must be created for information resources that build on collaboration with campus units (as well as organizations outside the organization) to develop a laboratory environment for creating, exploring, and using information resources and technology. The collaboratory must focus on informatics, instructional technology, information literacy, and knowledge management.

Examples of scholarly activities (or the development of library services) that have focused on these areas include:

1. Informatics
 - a. Health Sciences Center Libraries (HSCL) participation in UNM School of Medicine (SOM) evidence-based practice curriculum development
 - b. Hosting teleconference at UNM HSC on “Evidence-based Health Care,” September 16, 1998
 - c. Award of Integrated Advanced Information Management System (IAIMS) planning grant proposal
 - d. Recruitment and appointment of 1st HSC biomedical informatics faculty
 - e. Development of UNM HSC postdoctoral informatics fellowship program
2. Instructional technology
 - a. Work with UNM Partnership in Training in selecting and using web course delivery software
 - b. UNM College of Nursing to incorporate College of Nursing (CON) learning lab into the HSC Library
 - c. Piloting virtual technologies for incorporation into UNM SOM problem based learning (PBL) Curriculum
 - d. Proposed and installed in 2001 access grid technology (TCP/IP) conferencing for HSC, the 1st in a library in the U.S.
 - e. Designated responsibility for managing UNM HSC educational resources for the Domenici Center for Health Sciences Education
 - f. Development of Learning Design Center to support UNM HSC educational development
3. Information Literacy and Scholarly Communications
 - a. Development with UNM SOM Office of Graduate Medical Education of first (1998) housestaff orientation program
 - b. Participation in development of UNM SOM orientation for new faculty (1999)
 - c. Service as facilitator for problem-based learning curriculum at the Medical College of Georgia, School of Medicine (1996, 1997)
 - d. Developer and host of UNM-wide annual Scholarly Communications Symposium, presented by UNM libraries, offered annually since 2003
4. Knowledge Management
 - a. Database development for Indian Health Service contract

- b. Database development for “Latin American Social Medicine” grant (Waitzkin & Buchanan Co-PIs) to manage resources not currently available to the U.S.
- c. Leadership for institutional website development (Medical College of Georgia and UNM)

In addition, the above content areas for health sciences library development include the Director’s own personal leadership style, which includes a focus on customers so that processes are constantly improved by making decisions with data (applied research), and accomplishing this through the involvement of faculty and staff in the unit. Examples of how scholarly activities are driven by this philosophy include:

- 1. Focus on the customer
 - a. Development of electronic classrooms and public access computing in the library
 - b. Renovation of three library facilities to accommodate new service areas
- 2. Process improvement and making decisions with data
 - a. Creation and instruction of continuing education courses on “Benchmarking”
 - b. Publication of journal articles on benchmarking
 - c. Development of assessment tools for measuring program and process effectiveness
 - d. Service as editor for national annual benchmarking program for academic health sciences libraries
 - e. Local PI as 1 of 20 pilots for development of national TechQual survey (2007)
- 3. Focus on staff
 - a. Development of employee opinion surveys for NKC Hospitals and the University of Louisville
 - b. Scholarship relating to human resources management

Scholarly Achievements:

Book Chapters:

Buchanan HS and Bunnett, B. Looking to the Future: Academic Health Centers and Their Libraries, In Evans, GE, Alire, CA, *Academic Librarianship*, Neal-Schuman Publishers, Inc, 2010.

Teal, J., Buchanan, H.S. Continuous library facility improvement. In Planning, Renovating, Expanding, and Constructing, Library Facilities in Hospitals, Academic Medical Centers, and Health Organizations. E. Conner (ed), New York, Haworth Press, Inc., 2005.

Buchanan, H.S., Waitzkin, H., Eldredge, J., Davidson, R., and Iriart, C. Digital information for Latin American social medicine: A case study. In Digital Libraries and Virtual Workplaces: Important Initiatives for Latin America in the Information Age. J. VanReenan, (ed.) Washington, D.C., Organization of American States, 2002.

Buchanan, H.S. Human resources management. In The Medical Library Association Guide to Managing Health Care Libraries. R. Holst and S.A. Phillips (eds.) New York, Neal-Schuman Publishers, Inc., 2000.

Original research or scholarly articles in refereed journals:

Waitzkin H. Iriart C. Buchanan H.S. Mercado F., Tregear J, Eldredge J. The Latin American Social Medicine Database: a resource for epidemiology. International Journal of Epidemiology 2008, 37:724-728.

Alverson DC, Saiki SM Jr, Kalishman S, Lindberg M, Mennin S, Mines J, Serna L, Summers K, Jacobs J, Lozanoff S, Lozanoff B, Saland L, Mitchell S, Umland B, Greene G, Buchanan HS, Keep M, Wilks D, Wax DS, Coulter R, Goldsmith TE, Caudell TP. Medical Students Learn Over Distance Using Virtual Reality Simulation. Sim Healthcare 2008 3:10-15.

Alverson D.C., Saiki S.M. Jr, Caudell T.P., Summers K., Panaiotis, Sherstyuk A, Nickles D., Holten J, Goldsmith T, Stevens S, Kihmm K, Mennin S, Kalishman S, Mines J, Serna L, Mitchell S, Lindberg M, Jacobs J, Nakatsu C, Lozanoff S, Wax DS, Saland L, Norenberg J, Shuster G, Keep M, Baker R, Buchanan HS, Stewart R, Bowyer M, Liu A, Muniz G, Coulter R, Maris C, Wilks D. Distributed immersive virtual reality simulation development for medical education. Journal of the International Association of Medical Science Educators 2005, 15(1): 19-31.

Eldredge J.D., Waitzkin H., Buchanan H.S., Teal J., Iriart C., Wiley K., Tregear J. The Latin American Social Medicine Database. BMC Public Health 2004, 4:69.

Buchanan, H.S., Waitzkin, H., Eldredge, J., Davidson, R., Iriart, C., and Teal, J.: Increasing access to Latin American social medicine resources: A preliminary report. JMLA Oct. 2003; 91(4): 418-425.

Jacobs J., Caudell T., Wilks D., Keep M.F., Mitchell S., Buchanan H., Saland L, Rosenheimer J., Lozanoff B.K., Lozanoff S., Saiki S., Alverson D.: Integration of Advanced Technologies to

Enhanced Problem-Based Learning over Distance: Project TOUCH. Anat Rec (Part B:New Anat) 2003, 270B:16-22.

Morley, S.K., Buchanan, H.S. Clinical medical librarians: extending library resources to the clinical setting. J Hosp Librarianship Spring 2001; 1(2):15-30.

Buchanan, H.S., Morris, R.C.T., Kauley, T.D. Serving native health needs: Merging technology and traditional information services. WJ Med 1999 Nov/Dec; 171(5/6):373-375.

Buchanan, H.S., Marshall, J.G. Benchmarking reference services: Step-by-step. Med Ref Serv Q 1996 Spring; 15(1): 1-13.

Marshall, J.G., Buchanan, H.S. Benchmarking reference services: An introduction. Med Ref Serv Q 1995 Fall; 14(3): 59-73.

Buchanan, H.S. The quality movement in higher education in the United States. Health Libr Rev 1995 Sept; 12 (3): 141-146.

Buchanan, H.S. Library services and health care administration. Library Trends 1993, Summer; 42(1): 62-82.

Buchanan, H.S. Risk taking. Bull Med Libr Assoc 1988 Apr; 76(2): 186-7.

Buchanan, H.S. Vision. Bull Med Libr Assoc 1988 Jan; 76(1): 78-9.

Buchanan, H.S. Ownership. Bull Med Libr Assoc 1987 Oct; 75(4): 370.

Palmer, R.A. et al. Executive management of information in the academic health center. Bull Med Libr Assoc 1986 Jan; 74(1): 45-8.

Buchanan, H.S., editor and compiler. Symposium; The hospital health sciences library: challenges and future direction. Bull Med Libr Assoc 1985 Jan; 73(1): 29-58. Introduction, pgs 30-31.

Buchanan, H.S., Fazzone, N. Integrated information management and hospital libraries. Bull Med Libr Assoc 1985 Jan; 73(1): 47-54.

Doctoral Dissertation:

Buchanan, H.S. Information Processes and Shared Decision-Making: a Case Study of Work Teams in a University Support Service Implementing Total Quality Management. Louisville, KY: University of Louisville, 1994. (doctoral dissertation)

Other writings and scholarly products (not abstracts):

Buchanan, H.S., Lipscomb, C.E., editors, Oral History: Judith Messerle, November 13, 2008 interview, Chicago, Medical Library Association, 2014.

Buchanan, H.S., Lipscomb, C.E., editors, Oral History: Judith Messerle (Bethesda 11), May 18, 2002 interview, Chicago, Medical Library Association, 20014.

NMCAL Legislative Priorities, 2007 – 2010. Compiler for the New Mexico Consortium of Academic Libraries, 2007.

Buchanan, H.S. Benchmarking: Analyzing the Data: Course Syllabus. Approved for CEUs by the Medical Library Association, 2000.

Buchanan, H.S. Building Quality Through Benchmarking: Course Syllabus. 4th ed. Approved for CEUs by the Medical Library Association, 1999.

See following websites for the published results of research undertaken during 1995-1997 while chair of the GALILEO Assessment Committee for the Board of Regents, University System of Georgia, Atlanta, GA: <http://www.peachnet.edu/galileo/assess.html> and http://www.peachnet.edu/galileo/survey_1997.html.

Buchanan, H.S., Teal, J. "Using Library and Information Technologies to Build Collaboration For Learning." Presentation, published abstract and poster displayed at the International Conference on Partnerships for Community Health in collaboration with The University of New Mexico Health Sciences Center, Albuquerque, October 1998.

Buchanan, H.S., Jerant, LL., DuPre, C.T., Work, J.A. Collaborating with faculty: Building funding relationships. 1997 Rock Eagle Proceedings, Office of Information and Instructional Technology, Board of Regents, University System of Georgia, Atlanta, GA, pgs 89-92. (peer-reviewed)

Buchanan, H.S., Dennison, J. "GALILEO: Setting the Statewide Library Frontier." Blinded, peer reviewed poster with abstract displayed at the annual meeting of the Medical Library Association, Kansas City, MO, May 1996.

Buchanan, H.S. Meta-librarians: at the crossroads of metamorphosis and metanoia. Update: Bull GA Health Sci Libr Assoc 1996 Fall; 16(3):5-6.

Buchanan, H.S., Marshall, J.G. Identifying potential benchmarking partners. National Network, 1996 Feb; 20(3):20-21.

Almaee, R., Buchanan, H.S., Ogle, M., Richards, W.A., editors. Clueless? The Mystery of Technology: Annual Computing Conference Rock Eagle Proceedings 1996. Atlanta: Board of Regents, University System of Georgia, 1996.

Buchanan, H.S. (reviewer). 1995 MCG Fact Book, 19th edition, Augusta, GA, Office of Institutional Research and Information, Medical College of Georgia, 1996.

Buchanan, H.S. GALILEO: Georgia's vision for one statewide library becomes reality. FLIS News. 1995, July-Dec; 2(2):7-8.

Buchanan, H.S., Marshall, J.G. What to look for in benchmarking partners. National Network 1995 Nov; 20(2): 20-21.

Buchanan, H.S., Marshall, J.G. Building Quality Through Benchmarking. 3d ed. Augusta, GA, 1995. (CE course syllabus approved by the Medical Library Association, available from author)

Buchanan, H.S., Marshall, J.G. Building Quality Through Benchmarking. 2nd ed. Augusta, GA, 1994. (CE course syllabus approved by the Medical Library Association, available from the author)

Buchanan, H.S. Total Quality Management: An Introductory Course for Information Professionals. 3d ed. Louisville, KY, 1993. (CE course syllabus approved by the Medical Library Association, available from the author)

Buchanan, H.S. Total Quality Management: An Introductory Course for Information Professionals. 2d ed. Louisville, KY, 1993. (CE course syllabus approved by the Medical Library Association, available from the author.)

Buchanan, H.S. and Marshall, J.G. Building Quality Through Benchmarking. Augusta, GA, 1993. (CE course syllabus approved by the Medical Library Association, available from the author)

Buchanan, H.S. Total Quality Management (TQM) in Libraries. Louisville, KY, 1991. (CE course syllabus approved by the Medical Library Association and Special Libraries Association, available from author)

Buchanan, H.S. Planning for Transition: The Career/Job Change Process. Chicago: Medical Library Association, 1990.

Employee Opinion Survey. Louisville, KY, NKC Hospitals, Inc., 1988. (Committee chair to design and administer survey to 2000 employees)

Development of a Hospital Library Survey: A KOMRML Committee Approach. Kentucky-Ohio-Michigan Regional Medical Library Papers and Reports #19. Detroit: Kentucky-Ohio-Michigan Regional Medical Library Network, 1982.

Networking in Kentucky: Report to the State Advisory Council on Libraries from the Kentucky Library Network Task Force. Frankfort: Kentucky Department for Libraries and Archives, 1982.

Various items in non-refereed publications and brief articles in MLA News, HIMSS News, Human Resources Administrator, and National Network. (List available upon request.)

Publisher, Administration and Leadership for institutional websites:

June 1998 – 2015 The University of New Mexico Health Sciences Center website:
<http://hsc.unm.edu>

July 1995 – Sept 1997 Medical College of Georgia website: <http://mcg.edu>

Works in progress:

Buchanan, H.S. Faculty peer review: selected legal issues. (Manuscript to be submitted for publication)

Invited or refereed abstracts and/or presentations at professional meetings (since 1990):

Buchanan, H.S. "Welcome" Invited presentation at the Annual Meeting of the Academic Forum of the American Medical Informatics Association, Albuquerque, NM, April 20, 2015.

Buchanan, H.S. "Strategic Planning for Digital Data Stewardship: Head in the Clouds but Feet on the Floor." Invited paper at the AAMC/AAHSL Annual Meeting, November 5, 2011.

Buchanan, H.S. "Digital Data Stewardship." Invited paper for the BioMISS Seminar Series, UNM Health Sciences Center. September 22, 2011.

Buchanan, H.S. "Empowering Scholarly Communications at the HSC". Invited paper at the Evidence-Based Scholarly Communication Conference., March 11, 2010, Albuquerque, NM. <http://hdl.handle.net/1928/10990>

Buchanan, H.S. "A Day in the Life of a CIO: Panel Discussion". BioMISS Seminar Series, UNM Health Sciences Center, Albuquerque, NM, March 12, 2009.

Buchanan, H.S. "Climbing Mount Everest—or at Least the Sandias: The Viewpoint of an Academic Health Sciences Library Director" MLA Research Section Invited Paper Session on "Developing a Research Culture in Your Organization," Medical Library Association Annual Meeting, Chicago, IL, May 18, 2008.

Buchanan, H.S. "The Employer's Perspective: The Job Market – How to Find the Jobs, What do Hiring Managers Want? Invited paper, Medical Library Association Annual Meeting, Phoenix, AZ, May 22, 2006.

Buchanan, H.S. and Bowler-Hill, S. "When It Is Dark Enough, You Can See the Stars," IAIMS Consortium Spring Meeting Phoenix, AZ, May 19, 2006.

Buchanan, H.S. "Tools for Communicating and Conferencing." Medical Library Association/South Central Chapter Annual Meeting, Little Rock, AK, October 25, 2005.

Stewart, R.F., Buchanan H.S., Bailey B., Schuyler M., Kroth P.J. "Effect of electronic charting on the patient-psychiatrist relationship" (Poster Abstract). American Medical Informatics Association 2005 Proceedings, 2005: 1122. <http://hdl.handle.net/1928/485>

Kroth, P. and Buchanan, H.S. "Technological Factors Implementing Informatics Support Tools for RIOS Net, an AHRQ Practice-Based Research Network." (May 5, 2005) *DSpaceUNM*. Abstract and poster as presented at the Integrated Advanced Information Management Systems Consortium Annual Meeting, April 9-10, 2005, Boston, MA. <https://repository.unm.edu/handle/1928/382>

Buchanan, H.S. "IAIMS for Newbies: An Orientation to IAIMS." IAIMS Consortium Annual Meeting, Philadelphia, PA, May 28, 2003.

Hashimoto, F., and Buchanan, H.S. "IAIMS at UNM." IAIMS Consortium Annual Meeting, Philadelphia, PA, May 28, 2003.

Roth, P. and Buchanan, H.S. "Tapping the Power of Information in AHCs for 21st Century Missions." AAMC GIR Spring Meeting, San Antonio, TX, March 25, 2003. (invited presentation)

Saiki S, Jacobs J, Buchanan H, Caudell T, Kalishman S, Mennin S, Alverson D: Project TOUCH: Virtual Reality in Distance Medical Education. American Telemedicine Association. 2003 Annual Meeting, Orlando, FLA, April 2003. (abstract)

Saiki S, Jacobs J, Buchanan H, Lozanoff S, Caudell T, Rosenheimer J, Saland L, Mitchell S, Mennin S, Alverson D,: Advanced Collaborative Environments in Medical Education. 11th Annual Medicine Meets Virtual Reality Conference, Newport Beach, CA, January, 2003. (abstract)

Caudell, T., Mowafi, M., Lozanoff, B., Holten, J., Jacobs, J.L., Wilks, D., Alverson, D., Saiki, S. Buchanan, H.S.;;
Project TOUCH: (Telehealth Outreach for Unified Community Health) Internet based integration of advanced technologies for medical education, WWW2 Conference, Honolulu, Hawaii, May 10, 2002 (abstract)

Buchanan, HS and Gaillard, G. "Access Grid Technology." CHECS Annual Meeting, Socorro, NM, Oct. 25, 2002.

Buchanan, HS, "Access Grid Studios: Making Them Work", Association of A Biomedical Communications Directors Annual Meeting, Keystone, CO, September 22, 2002.

Buchanan, HS, "Integrating Advanced Computing Methods with the Curriculum at Two Schools of Medicine", Association of Biomedical Communications Directors Annual Meeting, Keystone, CO, September 22, 2002.

Buchanan, HS, "Multidisciplinary, Collaborative Research: Creating High Performing Teams, Defining the Virtual Collaborative Clinic Model," NASA VCC, Albuquerque, NM, August 22, 2002.

Buchanan, HS, Mitchell, S, Jacobs, J, Caudell, TP, Saiki, SM, Alverson, DC. "Access Grid Technology: Lessons Learned Integrating TCP/IP, Collaborating Conferencing, High Performance Computing, and 3-D Simulations at the Schools of Medicine in Hawaii and New Mexico." Poster presentation at the American Medical Informatics Association Annual Symposium, Washington, DC, November 5, 2001.

Buchanan, H.S. "Education and Virtual Worlds"; The 2001 Virtual Worlds and Simulation Conference. Integrating Problem Based Learning and Active Intelligent Environments: Cultural Clash or Cooperativeness? Phoenix, AZ, January 9, 2001.

Buchanan, HS, Eldredge, JD. "LASM: The Latin American Social Medicine Literature Project. Forging New Collaborative Relationships to Improve International Health." Presentation at the Transborder Library Forum and FORO Transfronterizo de Bibliotecas, Albuquerque, NM, March 25, 2000.

Buchanan, H.S., Teal, J. "Using Library and Information Technologies to Build Collaboration

For Learning.” Poster with Abstract displayed at the International Conference on Partnerships for Community Health in collaboration with The University of New Mexico Health Sciences Center, Albuquerque, October 1998.

DePre, C., Buchanan, H., Jerant, L., Work, J., Lewis, L. Where do internists get their information for clinical decision making? Implications for medical education. *J Gen Intern Med* 1997 April; 12 (Suppl. 1): 89.

Buchanan, H.S., Jerant, L.L., Dennison, J. GALILEO: An ‘internetable’ knowledge source. *J Amer Med Informatics Assoc (JAMIA)* 1997 4(Supplement): 918. (peer reviewed published abstract and electronic poster at the Fall Symposium)

Hesser, A., Buchanan, H.S. “PBL: A Role Theory Based Framework for Evaluation.” Southern Group on Educational Affairs, Association of American Medical Colleges, 1997 annual meeting, Augusta, GA, March 22, 1997.

Buchanan, H.S. “GALILEO Update,” Georgia Health Sciences Library Association, 1997 annual meeting, Augusta, GA, March 13, 1997.

Buchanan, H.S. “Benchmarking: Collecting and Analyzing Data Effectively.” Invited panelist for “Late-Breaking Session,” for the annual meeting of the Medical Library Association, Kansas City, MO, June 4, 1996.

“GALILEO - Georgia’s Step into the Future,” Ralph Russell and Holly Buchanan. 1996 Georgia Statewide Academic and Medical System (GSAMS) Programming and Training Conference. Athens, GA, February 26, 1996.

“GALILEO,” Presentation and Demo; Panelist for “Electronics and Archives.” Society of Georgia Archivists, Savannah, GA, November 9, 1995.

"Inside the Benchmarking Tool-Kit." Invited Speaker, Engineering Division, Special Libraries Association, annual meeting, Montreal, Canada, June 12, 1995.

"Meeting Information Needs of Health Care Administrators." Keynote address, Florida Health Sciences Library Association, annual meeting, Gainesville, FL, April 7, 1995.

"Benchmarking," Invited Speaker, Arizona State Library Association, annual meeting, Phoenix, AZ, December 1, 1994.

"Libraries and Society: Ethical and Economic Issues." Panelist, Annual meeting of the Medical Library Association, Detroit, Michigan, May 21, 1990.

Contributed (unrefereed) abstracts and/or oral presentations at professional meetings (since 1995):

Buchanan, HS, Alverson, D, Saiki, S, Jacobs J, Caudell, TP, Greenfield, J, Minor, D. “Access Grid Technology: Integrating TCP/IP, High Performance Computing, and 3-D Simulations into Telemedicine Applications. Paper presentation at the American Telemedicine Association, 6th Annual Meeting, Ft. Lauderdale, Florida, June 4, 2001.

Helitzer, D., Heath, D., Alverson, D., Buchanan, H.S. , and Saiki, S. "Methodological approaches and challenges to evaluating a pilot medical education project using virtual reality technology." Presentation at the American Evaluation Association Annual Meeting. Honolulu, HA, November 3, 2000.

Buchanan, H.S., Teal, J., Pawlowski, N. "Beginning to Weave the Web." Presentation at New Mexico CHECS, Inc. (Consortium for Higher Education Computer Services), 17th Annual Fall Conference, Alamogordo, NM, October 1998.

Buchanan, H.S., Jerant, LL., DuPre, C.T., Work, J.A. "Collaborating with Faculty: Building Funding Relationships." University System of Georgia Annual Computing Conference, Rock Eagle, GA, October 24, 1997.

DuPre, C., Buchanan, H., Jerant, L., Work, J., Lewis, L. "Where do internists get their information for clinical decision making? Implications for medical education." Published abstract. J Gen Intern Med 1997 April; 12(Suppl. 1):89.

Albritton T.A., Friedland, J., Herbert-Carter, J., Hesser, A.W., Buchanan, H.S. "PBL Works, but Can We Improve It?" Workshop presentation at the annual meeting of the AAMC Southern Group on Education Affairs, Augusta, GA, March 22, 1997.

Buchanan, H.S., Prelec, A. "Technical Services on the Frontier: The Organizational Impact of the New Technologies on Technical Services." Contributed paper presented at the annual meeting of the Medical Library Association, Kansas City, MO, June 2, 1996.

Current Grant and Contract Funding:

Past Grant and Contract Funding:

Project Title: Domenici Education Center – Phase III

Principle Investigator: Holly Buchanan

Percent effort: 0%

Funding Organization: HRSA

Starting and stopping dates: 07/01/08-05/31/12

Contract number: PA #C76HF09655-01-01

Amount: \$3,556,208

Project Title: The Lives They Left Behind: Suitcases from a State Hospital Attic

Principle Investigator: Holly Buchanan

Percent effort: 0%

Funding Organization: New Mexico Humanities Council

Starting and stopping dates: 5/1/2009 – 4/30/2010

Contract number: PA #2323-1346-264

Amount: \$5,870.00

Project Title: Oral History Project

Principle Investigator: Holly Buchanan

Percent effort: 0%

Funding Organization: New Mexico Medical Society

Starting and stopping dates: 4/2/08 - 3/31/10

Contract number: PA #8612

Amount: \$6,000

Project Title: Lovelace Foundation for Medical Education and Research Records and Clayton S.

“Sam” White Papers

Principle Investigator: Holly Buchanan

Percent effort: 0%

Funding Organization: NMHRAB

Starting and stopping dates: 07/01/08-06/30/09

Contract number: PA #09-022

Amount: \$3,337

Project Title: Native American Concepts of Health and Illness

Principle Investigator: Holly Buchanan

Percent effort: 0%

Funding Organization: National Library of Medicine, NIH (Center for Public Service Communications)

Starting and stopping dates: September 1, 2006 – July 31, 2007

Contract number: PA #9179

Amount: \$54,092

Project Title: NLM Native American Concepts of Health and Disease

Exhibit Preparation Meeting

Principle Investigator: Holly Buchanan

Funding Organization: University of Maryland
Starting and stopping dates: July 1, 2006 – July 31, 2007
Contract number: NO1-LM01-3522
Amount: \$20,000

Project Title: 2nd Year Associate Fellowship Program
Principle Investigator: Holly Buchanan
Percent effort: 0%
Funding Organization: National Library of Medicine, NIH
Starting and stopping dates: September. 1, 2004 – August 30, 2005
Grant number: PA #5778
Amount: \$7,000 (plus fellow salary paid by NLM)

Project Title: Computerized Indian Health Service Research Database
Principal investigator: Holly Buchanan
Percent effort: 0%
Funding organization: Indian Health Service
Starting and stopping dates: October 1, 2003 – March 31, 2005
Contract number: 242-00-0059
Amount: \$104,247

Project Title: Resource Library MOU and Outreach Subcontract
Principal Investigator: Holly Buchanan
Percent effort: 0%
Funding organization: National Library of Medicine, NIH
Starting and stopping dates: May 1, 2001– April 30, 2002
Contract number: N01-LM-1-3515
Amount: \$10,000 (5/1/01-4/30/02)

Project Title: Telehealth Outreach for Unified Community Health (TOUCH)
Principal Investigator: Dale Alverson
Served as proposal co-author, compiler, funded investigator
Percent effort: 10%
Funding organization: Office for the Advancement of Telehealth
Starting and stopping dates: August 1, 2000 through July 31, 2001; August 1, 2001 through July 31, 2002
Grant number: 1D1BTM00003-01
Amount (direct and indirect costs): \$894,956 for year one; \$750,000 for year two

Project Title: Enhanced Access for Social Medicine in Latin America
Principal Investigators: Howard Waitzkin and Holly Buchanan
Percent effort: 10%
Funding organization: National Library of Medicine, NIH
Starting and stopping dates: February 1, 2000 – January 31, 2003
Grant number: 1G08LM06688-01A1
Amount (direct and indirect costs): \$172,088 for year 1; \$487,480 for whole period

Project Title: IAIMS Planning for the University of New Mexico
Principal investigator: Holly Shipp Buchanan
Percent effort: 40% (non-funded)
Funding organization: National Library of Medicine, NIH

Starting and stopping dates: 2000 - 2002
Grant number: 1G08LM06755-01A1
Amount (direct and indirect costs): \$298,188 for whole period

Project Title: Online Health Resources to New Mexico Libraries
Principal investigator: Holly Shipp Buchanan
Percent effort: 0%
Funding organization: New Mexico State Library
Starting and stopping dates: December 31, 1999 – December 30, 2002
Contract number: none
Amount: \$70,000

Project Title: Computerized Indian Health Service Research Database
Principal investigator: H. S. Buchanan
Percent effort: 8%
Funding organization: Indian Health Service
Starting and stopping dates: September 29, 1997 – September 28, 1998 (total 3 years)
Contract # 242-97-0061
Amount: \$95,626 year 1

Project Title: Educational Design and Development: Training the Trainer
Principal investigators: Holly Shipp Buchanan and William Nelson
Percent effort: N/A
Funding organization: University System of Georgia
Starting and stopping dates: May – July 1996
Amount awarded for the period listed (direct costs and indirect costs): \$7,000

Project Title: Technology Awareness Day: A State-Wide Proposal
Principal investigators: Holly Shipp Buchanan (Medical College of Georgia), Carol A. Burns (Emory University), and Jocelyn Rankin (Mercer University School of Medicine)
Percent effort: N/A
Funding organization: National Library of Medicine
Starting and stopping dates: May 1, 1995 - April 30, 1996
Amount awarded for the period listed (direct costs and indirect costs): \$5,000

Pending or Proposals Submitted for Grant and Contract Funding:

Not Applicable

Fund Development:

Funding Source: Sun Healthcare Group, Inc.
Date of Gift: July 1998
Amount donated: \$10,000 for the Sun Healthcare Group Collection of journals and textbooks on geriatric care

Funding Source: Khatali Alumni Association
Date of Gift: 1999; 2002; 2003
Amount Donated: \$15,000; \$10,000; \$5,000 to improve access to archival materials

Mentoring of other faculty in research or scholarship

University of New Mexico, Albuquerque, NM:

Jonathan Eldredge, PhD, Associate Professor (tenured), Coordinator of Academic and Clinical Services (formerly Collection Development Librarian)

Mentored Dr. Eldredge for promotion to Associate Professor in 2004.

Served as mentor to Dr. Eldredge in 1998, which consisted of development of grant proposal with Dr. Howard Waitzkin, entitled: "Latin American Social Medicine," submitted to the National Library of Medicine. The funded project includes a role for Dr. Eldredge that uses his collection development skills and will provide new experiences in project assessment.

In addition, Dr. Eldredge developed, for peer reviewed publication, a short article originally prepared for the HSCL's adobe medicus newsletter: Eldredge, J.D. The vital few meet the trivial many: Unexpected use patterns in a monographs collection. Bull Med Libr Assoc; Oct 1998; 86(4): 496-502.

Mentoring during the FY99 budget preparation in relationship to benchmarking, led to his proposal to the Medical Library Association (MLA) for a 4-hour continuing education course on evidence-based librarianship. This proposal was accepted for presentation at the 1999 annual meeting of MLA and has led to an article on EBM published in the October, 2000 issue of the Bulletin of Medical Library Association.

Philip Kroth, MD, MS, Assistant Professor, Assistant Director, Health Sciences Informatics Program Development

Mentoring through successful Mid-Probationary period, 2007, and promotion/tenure as Associate Professor 2012.

Sharon Lezotte, MLS, Lecturer III, Outreach and Consumer Health Librarian

Suggested initial grant submission and assigned staff member to work with her on proposal development. Reviewed Proposal drafts. Scheduled debriefing meetings post submission to assist with feedback on project planning, 2002.

Ruth Morris, MLS, PhD Candidate with University of Michigan, Lecturer III, Associate Director, Collection Resources

Served as mentor to Ms. Morris in 1998 with parts and stages of grant projects to encourage individual research and scholarship. As an example, transfer of project management of Indian Health Service contract to Ms. Morris for years 2 and 3 and assignment of coordinating final report preparation of GEOMED project conducted under a grant from the National Library of Medicine.

Ms. Morris was also funded for a competitive archival grant from the New Mexico Historical Records Advisory Board in the amount of \$3,300. The grant period was April 1, 1999 through March 31, 2000.

During 1999 and 2000 provided consultation on various portions of dissertation, including online survey.

Debbie Graham, MLS, Lecturer III, Associate Director, Access Services

Served as mentor and proposal reviewer to Ms. Graham for consumer health grant funded in 2000 by the National Library of Medicine for \$40,000 to Eileen Sullivan and Debbie Graham.

Ingrid Hendrix, MILS, Principal Lecturer III, Nursing Librarian

Mentored Ms. Hendrix for promotion to Principal Lecturer III, 2015.

Deborah LaPointe, PhD, Assistant Professor, Assistant Director, Educational Development

Mentoring through successful Mid-Probationary period, 2007.

Sarah Morley, MLS, Principal Lecturer III, Clinical Librarian

Mentored Ms. Morley for promotion to Principal Lecturer III, 2015. Served as mentor to Ms. Morley for development of article based on conference presentation. This resulted in co-authored peer reviewed article on clinical medical librarianship to be published in Journal of Hospital Librarianship. Provided consultation of development of PDA survey and submission to HRRC.

Janis Teal, MLS, MAT, Lecturer III, Deputy Director of Library Services (formerly Assistant Director)

Served as mentor to encourage Ms. Teal's new role as Education Librarian and subsequently as Associate Director, Education Services. Mentoring was undertaken that led to the several outcomes. She has made a presentation at a regional meeting (Buchanan, H.S., Teal, J, Pawlowski, N. "Beginning to Weave the Web." Presentation at New Mexico CHECS, Inc. 17th Annual Fall Conference, Alamogordo, October 1998). In addition, she has presented two posters that were peer reviewed for display at national meetings: a) Buchanan, H.S., Teal, J. "Using Library and Information Technologies to Build Collaboration For Learning." Poster with Abstract displayed at the International Conference on Partnerships for Community Health in collaboration with The University of New Mexico Health Sciences Center, Albuquerque, October, 1998; b) Teal, J. Informatics Curriculum poster presented at the Medical Library Association annual meeting, Vancouver, June 2000; suggested submission of book chapter proposal on Continuous Facility Improvement which was accepted for publication 2003. I have nominated Ms. Teal (in 1998 and 2000) for the SOM Medical Education Scholars award, which she subsequently was selected as an awardee.

Annual Performance Appraisal Process for Library Faculty

University of New Mexico, Albuquerque, NM

Beginning in 2005, led HSLIC faculty members to develop a promotion process for non-tenure lecturer track faculty. In July 2008 Holly Phillips was successfully promoted from Lecturer II to Lecturer III using that process.

University of New Mexico, Albuquerque, NM

Beginning in 1997, led HSC Library faculty members to develop a more quantitative way to measure, assess, compare, and report faculty performance. The instrument, approved by library faculty and the SOM Office of Faculty Affairs in 1998, was used annually since Spring 1998 to review HSC Library faculty (8 members) performance.

Medical College of Georgia, Augusta, GA

As head of the Library Faculty with the equivalency of Dean, I had responsibility for mentoring 9 library faculty (tenure and non-tenure track) at the Greenblatt Library of the Medical College of Georgia, for levels of Instructor, Assistant Professor, and Associate Professor.

Teaching / Education

Ph.D. student mentoring

2006 – 2008 Barbara Lovato-Gassman, MA., doctoral student, New Mexico State University, College of Education, Advanced Internship EMD670, Internship Supervisor, Fall 2006 – Spring 2007

Masters student mentoring

2012 Jacob (Jake) L. Nash, masters graduate student, University of Illinois Urbana-Champaign, Graduate School of Library and Information Science, one week Spring internship and three-month summer internship, 2012

2002 Annelise Sklar, masters graduate student, University of North Carolina-Chapel Hill, School of Information and Library Science, field experience mentor/supervisor, Fall 2002

Classroom, laboratory teaching, and tutoring (courses or blocks taught or team-taught):

- Medical College of Georgia, School of Medicine, Augusta, GA
Phase II, “Problem Based Learning”, ITD #545, 5-7 students in each class; Facilitator for 2-hour weekly small group sessions teaching problem-based learning process. 1996 (Fall) 1994 (Fall)

Resident and fellow teaching and mentoring

- University of New Mexico Health Sciences Center, Albuquerque, NM
Program Director – Medical Informatics Fellowship. Program developed 2003 and first incumbent in the program began in August 2003 focusing on behavioral health informatics: Randall Stewart, MD, Assistant Professor.
- University of New Mexico Health Sciences Center, Albuquerque, NM
Presentation – to School of Medicine child psychiatry fellows on National Library of Medicine and its services and products.
- University of New Mexico Health Sciences Center, Albuquerque, NM
GME Intern Informatics Orientation to UNM HSC Information Systems for Evidence-Based Practice; coordinated planning with Drs. Hashimoto and Hansbarger of first informatics sessions offered June 25 & 26, 1998. Evaluations: According to the GME office, 98% of the attendee respondents (N=70) rated the session good to excellent (the highest of any of the content presentations). Twenty-six out of 70 rated it as excellent, with 43 rating it good to middle.

Continuing Education (course development and instruction)

- “Walking the Process: Value-Added Flow Analysis: UNM SOM Departmental Administrators, 3 hours, June 17, 2008, Albuquerque, NM

- “Benchmarking: Analyzing the Data;” continuing education course, 3 CEUs, Indiana Health Sciences Library Association, annual meeting, April 12, 2000; French Lick, IN.
- “Building Quality Through Benchmarking;” continuing education course, 4 CEUs, Indiana Health Sciences Library Association, annual meeting, April 14, 1999, Greencastle, IN.
- “Building Quality through Benchmarking,” course developer and presenter; full day continuing education course, with CEUs from the Medical Library Association.
 - Georgia Health Sciences Library Association, annual meeting, Columbus, OH, March,
 - Medical Library Association (MLA), annual meetings
 - Kansas City, MO, May 1996
 - Washington, DC, May 6, 1995
 - San Antonio, TX, May 14, 1994
 - Chicago, IL, 1993
 - Washington, DC, 1992
 - Midwest Chapter of MLA, annual meeting, IN, October 1995
 - Georgia Health Sciences Library Association and Southeastern Conference of Hospital Libraries, Atlanta, GA, March 25, 1994
 - Michigan Health Sciences Library Association, Frankenmuth, MI, September 28, 1994
 - Southern California/Arizona Chapter of MLA, Phoenix, AZ, November 30, 1994
 - Reading/Allentown Health Sciences Libraries, Reading, PA, September 9, 1994
 - National Network/National Libraries of Medicine, New York Academy of Medicine, New York, NY, September 9, 1993
 - Upstate NY/Ontario Chapter, MLA, Toronto, Canada, October 9, 1993
- "Total Quality Management: Introductory Course for Librarians; ” course developer and presenter; full day continuing education course, with CEUs from the Medical Library Association. In addition to the locations listed below, the course was also presented at four locations in the U.S. and Canada for the Special Libraries Association.
 - National Network/National Libraries of Medicine, New York Academy of Medicine, New York, NY, September 8, 1993
 - Medical Library Association, annual meetings
 - Chicago, IL, 1993
 - Washington, DC, 1992
 - San Francisco, CA, 1991

Curriculum development or educational administrative positions

University of New Mexico Health Sciences Center, Albuquerque, NM

- **Web Curriculum Development**
Partnership in Training Program, supported by the Robert Wood Johnson Foundation; led the assessment and selection of web curriculum administration software to use with interdisciplinary program for family nurse practitioners, certified nurse midwives, physicians assistants, and medical students in School of Medicine and College of Nursing, beginning July 1998. Beginning in January 98 and running through June 98, weekly planning and work sessions were held with members of the Partnership in Training team to determine program requirements, assess learning resources and curriculum tools needed to support the process, demonstrate options, train faculty on software selected, and assist faculty to design web-based delivery, using Web Course in a Box.

Supported the UNM Internet Pilot Project (an initiative of the Provost's Office) by participating in the assessment and selection of web curriculum administration software, and providing oversight to HSCL web application developer who supported College of Nursing and main campus faculty in course redesign using BlackBoard and WebCT, 1999 – current
- **Electronic Classroom Development**
 - Developed (planning, design, execution, and ongoing administration) first HSC Electronic Classroom which opened January 1998 and is used for curriculum delivery by the School of Medicine, Colleges of Nursing and Pharmacy, and the HSC Library.
 - Led design and implementation of model classroom in HSCL, July 1999.
- **Demonstration and discussion of “Web Course in a Box” web curriculum-support software to various campus groups, e.g.:**
 - Masters in Public Health faculty member, Jo Fairbanks, 2 hrs, November 8, 1998
 - University Hospital educators, 2 hrs, June 8, 1998
 - College of Nursing faculty (6+), 2 hrs, April 24, 1998

Medical College of Georgia, Augusta, GA

- **Problem Based Learning Curriculum, School of Medicine**
Developed facilitator training in information seeking and evaluation for SOM PBL facilitators
Served as member of PBL Evaluation Committee to develop and monitor all components of student assessment and programmatic evaluation for PBL program and linkage to Phase III clinical curriculum

Service

Present Patient Care Activities:

- 1998 – University Hospital, IS (Information Systems) Steering Committee, member
- 1998 – 2005 University Hospital, Clinical Implementation Committee for Cerner Implementation, member

University, SOM, HSC administrative duties:

University of New Mexico, Albuquerque, NM

- 2010 Presentation to IT Managers Council, “HSLIC Media Services”, July 26, 2010
- 2010 HSC Leadership Technology Retreat, planner/facilitator, June 29, 2010
- 2009 Presentation to Arizona State University, “IAIMS/Informatics Initiatives at the UNM HSC” for ASU Site Visit, Sept. 3rd, 2009.
- 2008 Executive Deans Council, School of Medicine
- 2006 Presentation with Diane S. Wax on “Funding Opportunities: How to Get Started,” Medical Informatics Seminar Series, April 27, 2006.
- 2006 Presentation to UNM IT Cabinet and University Libraries, “HSLIC and KMIT: Opening Minds” January 17, 2006 and April 5, 2006.
- 2005 Presentation on “Learning Design Center: A New Model for Educational Collaboration” to CON faculty, Nov. 21, 2005
- 2005 Designated responsibility for managing Domenici Center for Health Sciences Education
- 2005 Presentation on “Learning Design Center: A New Model for Educational Collaboration” to SOM Phase I Committee, Oct. 12, 2005
- 2003 Presentation with Diane Wax on “Tricks and Tips for Grant Writing,” to graduate students in Women in Science and Engineering, School of Engineering, December 2, 2003
- 2003 Presentation on “HSLIC: Briefing for College of Pharmacy Leadership,” June 30, 2003
- 2003 Presentation on “The Role of the Health Sciences Library and Informatics Center,” at Biocomputing Day @ UNM, April 3, 2003
- 2003 – current Host with Camila Alire, EdD, and Carol Parker the campus-wide First Annual UNM Scholarly Communications Symposium, February 27, 2003, “Scholarly Communications & the Common Good”; Second Symposium, March 12, 2004, “Stewardship of the University Community’s Knowledge Base;” Third Symposium, March 3, 2005, “Cultural

Transformation of the University's Knowledge Base;" Fourth Symposium, "The Digital Academy: Innovations in Scholarly Publishing," Nov. 1, 2005; Fifth Symposium, "Navigating the Currents of Scholarly Communication: Government Mandates for Public Access to Research," Nov. 9, 2006.

- 2002 "Infotechnica: Who we Are and What We Do for You", HR Study Group, June 4, 2002
- 2000 Designated responsibility for new HSC Office of Education and Consulting Services
- 2000 Presented "Access Grid Technology: Applications for Research" with Marsha Drier (Air Force Research Laboratory) to regional meeting of the Alliance for Innovation in Science and Technology Information, August 18, 2000
- 2000 Presented "The Future of Education: Knowledge Management via Information Technology; Making It Happen at the Health Sciences Center Library" to the UNM Board of Regents Health and Services Committee, May 12, 2000
- 1999 – current Health Sciences Center, Leadership Council, member
- 1998 – current AAMC, SOM designated representative to Group on Information Resources
- 1998 – current Designated responsibility for HSC Computer Services, September 1998
- 1998 – 2000 Formed New Mexico Consumer Health Coalition, coordinated by HSC Library staff
- 1998 – current Designated responsibility for HSC web site administration, June 1998
- 1998 – 1999 Planning assistance to College of Nursing to accomplish relocation of CON lab to HSC Library, GroupWise installation for the College, web-based curriculum support, and implementation of improved file/print services
- 1998 – 1999 Leadership for planning and implementing two-year renovation of HSC Library, including creating public access computing area, two electronic classrooms, integrated course reserves and upgrade to network infrastructure for building
- 1998 Prepared outline of Three-Year Information Technology Plan for the HSC, 1998, 1999, 2000, as required for the New Mexico Commission on Higher Education
- 1998 Interviewed for special issue on Y2K, "UNMH fears effect on 'unknown' devices." Daily Lobo: la revista, Monthly Magazine September 3, 1998 103(10): 8, 10.
- 1998 Presentation of UNM HSC FY2000 Information Technology proposal to New Mexico Commission on Higher Education, September 16, 1998
- 1998 Presentation on HSC Library Outreach Activities to UNM Board of Regents Health and Services Committee, August 31, 1998
- 1998 Presentation on "Tapping the Power of Information, Part II," to UNM School of Medicine Science Advisory Council, April 14, 1998

- 1997 – current Designated responsibility for HSC academic and research computing and coordinator for HSC information systems planning, December 1997
- 1997 Presentation of “The Librarian from the Black Lagoon” to the UNM Faculty Senate Library Committee, November 12, 1997
- 1997 Presentation on “Tapping the Power of Information” to the UNM School of Medicine Science Advisory Council, November 7, 1997

University, SOM, HSC, department committees:

University of New Mexico, Albuquerque, NM

- 2012 - current School of Medicine LCME Steering Committee, member; LCME Education Resources Committee, chair
- 2011 - current Co-chair, Health Sciences Center IT Leadership Council
- 2008 – 2010 School of Medicine, LCME Steering Committee, member; School of Medicine, LCME Education Resources Committee, chair
- 2008 – current HSC Master Facilities Plan, Education Sub-Committee, chair
- 2007 – current School of Medicine, Executive Deans Council, member
- 2007 – 2009 UNM ITS Leadership Committee, member
- 2007 – 2009 UNM ITS CIO Managers Committee, member
- 2007 – 2008 UNM ITS Journal Club on Leadership, convener
- 2007 – current UNM IT Managers’ Council, chair
- 2006 - current HSC Executive Compliance Committee, member
- 2005 – current UNM IT Cabinet, member
- 2004 – 2005 School of Medicine, CY2005 Action Plan, Education Plan Workgroup, member
- 2004 – 2006 School of Medicine, Strategic Research Planning Committee, member
- 2004 – current HSC Executive Compliance Committee, member
- 2002 – 2003 UNM IT Task Force, member
- 2001 – 2003 School of Medicine LCME Executive Committee, member; Library and Information Technology Services Committee, chair
- 2001 – 2006 Education Building and Research Building, Steering Committees, member

2000 – 2001 UNM Strategic Planning, Physical Infrastructure and Information Systems Committee, member

2000 – current Knowledge Management and Information Technology, Leadership Council, chair

2000 – 2007 HSC Research Council, advisory member

1999 – 2003 School of Medicine, Volunteer Faculty Committee, member and chair of subcommittee on Information/Services/Rewards

1999 – 2000 School of Medicine, Outreach Task Force, member

1999 – 2003 School of Medicine, Dean’s Science Advisory Council, ex-officio

1998 – 2005 School of Medicine, Continuing Medical Education Advisory Board, member

1998 – current HSC Information Systems Directors Group, co-chair

1998 UNM Faculty Senate Computer Use Committee, Ad Hoc Committee on Strategic Planning, member

1998 School of Medicine, Education Retreat Steering Committee, “Rekindling the Fire,” member

1997 – 1998 School of Medicine, Faculty Profiling Committee, member

1997 – 1998 School of Medicine, Search Committee for Associate Dean for Continuing Medical Education, member

1997 – current UNM Faculty Senate Library Committee, UNM, member, ex officio

1997 – 1998 School of Medicine, Science Advisory Council, invited participant

1997 – 1999 HSC Deans Council, member

Medical College of Georgia (MCG), Augusta, GA

1996 – 1997 School of Medicine, PBL Evaluation Subcommittee, member

1994 – 1997 School of Medicine, Continuing Education Committee, member

1995 – 1997 Student Affairs Committee (member 1994-97), chair

1995 – 1996 Human Resources Study Group, member

1995 – 1996 Job Documentation Study Group, member

1995 – 1997 MCG Deans Council, member

1993 – 1997 Academic Council, ex officio member