

Virginia Ann Baldwin

April, 2007

PROFESSIONAL EXPERIENCE

2000 - Present

Professor, University of Nebraska, Lincoln, NE

As Engineering Librarian and Head of the UNL Engineering Library, work both independently and collaboratively with faculty, students and staff. Responsibilities include: provide management and policy guidance for the Engineering Library; develop and implement new or enhanced services; and supervise support staff. Promote library resources and services through Web site development, handouts, online guides, flyers, and other forms of communication.

Serve as liaison to the College of Engineering and Technology and the Department of Physics and Astronomy; act as subject specialist in the areas of civil, electrical, industrial, and mechanical engineering, engineering mechanics, construction management, chemical engineering and physics and astronomy. Provide specialized reference service for patrons.

Manage the Patent and Trademark Depository Library program. Define and promote services. Provide reference support and user assistance in patent and trademark searches.

User education – plan and present library instruction that will be inclusive of all incoming freshman in each engineering subject area as well as instruction for specific courses as requested. Develop instructional handouts, Web guides, and online course notes for all subject areas.

Collection development and management – manage the selection of new materials through approval plans, discretionary funds, and foundation and other special funds. Communicate with all appropriate faculty regarding book requests, pending changes in database subscriptions, new database subscriptions and requests for new serial subscriptions. Communicate with faculty to conduct serial prioritization, in response to serials budget constraints, in all seven engineering subject areas and physics and astronomy.

Serve as temporary liaison to the Computer Science Department during the fall of 2003. Work with the Computer Science Department faculty and graduate students, through the department's library liaison, to enhance awareness of resources that facilitate the requesting of library materials and resources that fulfill research needs. Manage the selection of new materials through approval plans and faculty requests.

Provide regularly scheduled reference service at the Love Library Reference Desk.

1991-2000

Professor, Eastern Illinois University, Charleston, IL

Provided general reference assistance during regularly scheduled service hours at Booth Library. Provided specialized reference assistance in the areas of mathematics, physics, chemistry, economics, and technology.

Served as faculty liaison for the above subject areas. Responded to faculty requests for book purchases and new serial subscriptions. Communicated with faculty regarding databases appropriate for their subject areas, journals available in electronic format, and the annual serials subscription review. Communicated with faculty regarding the development of a discipline allocation formula for serials subscriptions, the effect of various formula scenarios on their departments and its accreditation, and the factors important in consideration of formula parameters. Developed and implemented methods of promotion of library resources to the library's constituents.

User education - provided bibliographic instruction for undergraduate and graduate classes in the areas of mathematics, physics, chemistry, economics, and technology and non-assigned subject areas such as education, psychology, history, speech communication, English and recreation. Provided database and online searching assistance.

Compiled bibliographies and created web based research guides.

Managed library collection development in the areas of mathematics, physics, chemistry, economics, and technology.

1980-1991

Owner/Manager, Fallen Leaf Arabians, Santa Maria, CA

As a Business Manager - managed up to seven full and part time employees. Maintained correspondence and telephone contact for maximum client satisfaction.

As a Financial Manager - handled all financial aspects of the business.

As Marketing Director for Fallen Leaf Arabians - successfully performed nationwide promotion including advertising and marketing presentations and educational seminar production.

1968-1980

Engineer Specialist, Federal Electric Corporation, Vandenberg Air Force Base, CA - radar data analysis

Performed analysis and evaluated radar data using statistical methods of weighted least squares and regression analysis. Produced technical reports and periodically reported results through briefings to the technical community.

1965-1968

Scientific Programmer, Pan American World Airways, Cocoa Beach, FL

As a Computer Programmer and Systems Analyst, part of a team that successfully designed and implemented a range scheduling program. Worked with compiler and assembly languages and Basic.

EDUCATION

Master of Library and Information Science - Indiana University (1990)

Master of Science in Mathematics - Florida Institute of Technology (1968)

Bachelor of Science in Mathematics - University of North Carolina (1965)

HONORARY SOCIETY

Alpha Lambda Delta, a national freshman honorary society (collegiate)

PROFESSIONAL AFFILIATIONS

Special Libraries Association (SLA)

Science and Technology Division (STD)

Physics, Astronomy, Math Division (PAM)

Engineering Division

American Library Association (ALA)

Association of College and Research Libraries (ACRL)

Science and Technology Section (STS)

Library Instruction Section

American Society for Engineering Education

Engineering Libraries Division

Patent and Trademark Depository Library Association

Patent Documentation Society

APPOINTMENTS

Chair of the ALA/ACRL/STS Task Force on Information Literacy in Science and Technology. 2001-2004.

Special Libraries Association **liaison** between their Science and Technology Division and the Science and Technology Section of the Association of College and Research Libraries. 1996-present.

Appointed in 2002 as **liaison** for the Engineering Libraries Division of the American Society for Engineering Education to the Science and Technology Division of the Special Libraries Association. Re-appointed in 2003 for a second two-year term.

PUBLICATIONS

Spackman, Elizabeth (Betsy); Freedman, Terri; Gabaldón, Camila; Baldwin, Virginia; and Powell, Jill (2006), "The 2005 Continuing Education Survey: What Science Librarians Want to Know", Issues in Science & Technology Librarianship, Fall 2006. Online publication of the Science and Technology Section, <http://www.istl.org/06-fall/sts.html>.

Baldwin, Virginia (2007), "Library Organization Information Literacy Units", Science & Technology Libraries, New York: Haworth Press, Inc. (forthcoming).

Baldwin, Virginia (2006), "Using New Technologies for Library Instruction in Science and Engineering: Web 2.0 Applications", 27(1/2), Science & Technology Libraries, New York: Haworth Press, Inc.

Baldwin, Virginia (2004), ed. Online Environmental and Ecological Data New York: Haworth Press, Inc. **(Book Editor)**.

Baldwin, Virginia (2004), ed. Patent and Trademark Information: Uses and Perspectives New York: Haworth Press, Inc. **(Book Editor)**.

Baldwin, Virginia and Hallmark, Julie, editors (2001), Information and the Professional Scientist and Engineer New York: Haworth Press, Inc. **(Book Editor)**.

Baldwin, Virginia (2003), "A Study of Interdisciplinary Research Needs: Results from Input of Faculty in Six Engineering Departments in Prioritizing Serial Subscriptions" published in the Proceedings of the 2003 ASEE Annual Conference and Exposition, the American Society for Engineering Education conference proceedings. **(Peer Reviewed Conference Article)**.

Anderson, Michael and Virginia Baldwin (2002), "Are They Really Teachers? Problem-Based Learning and Information Professionals" in To Improve the Academy Volume 21, 273-287. Annual Publication of the Professional and Organizational Development Network in Higher Education. **(Peer Reviewed Annual Publication)**.

Breckbill, Anita and Baldwin, Virginia (2002), "Use of Main or Branch Library Web Pages on Public Access Computers in Academic Branch Libraries: Results of a Listserv Inquiry." College & Research Libraries, 63(5), 421-431. **(Peer Reviewed Journal Article)**.

Baldwin, Virginia A. (2001), "Collection Development in the New Millennium Evaluating, Selecting, Annotating, Organizing for Ease of Access, Reevaluating, and Updating Electronic Resources" in Electronic Collection Management, McGinnis, Suzan D., Editor, 67-96. Book Chapter Co-published in Collection Management 25(1/2). **(Peer Reviewed Journal Article)**.

Sutliff, Ronald I., and Baldwin, Virginia (2001) " Learning Styles: Teaching Technology Subjects Can Be More Effective." Journal of Technology Studies. 27(1), 22-27. **(Peer Reviewed Journal Article)**.

Baldwin, V.A., Gibbs, W.J., and Slough, M.M. (1997). "Initiating an Effective Personnel Development Program." College and Research Libraries, 58 (3), 267-277. **(Peer Reviewed Journal Article)**.

Baldwin, Virginia (1992). "Cooperative Collection: an Opportunity out of Adversity." Illinois Libraries, 74 (6), 528-532.

Baldwin, Virginia (1978) Telemetry Doppler Analysis Plan. Technical Memo PA300-12, 31p.

Baldwin, Virginia (1975). GEOS-C Geodynamics Experimental Ocean Satellite SAMTEC Concept of Operations IGAR F9128, 40p.

- PRESENTATIONS** Baldwin, Virginia (2006) "Mining Online Patent Data for Business Information" in the session "What Business Reference Librarians Need to Know about Intellectual Property: Presentations sponsored by the Patent and Trademark Depository Library Association (PTDLA)," American Library Association Annual Conference, June 25, 2006, New Orleans, LA.
- Baldwin, Virginia (2005) "Information Literacy in Science & Technology Disciplines," STS Program, American Library Association/Association of College and Research Libraries Preconference, April 7, 2005, Minneapolis, MN.
- Baldwin, Virginia (2004) "The Work and Goals of the STS Task Force on Information Literacy for Science and Technology." STS Program, American Library Association Annual Conference, June 28, 2004, Orlando, FL.
- Baldwin, Virginia, Sheila Young, Ibronke Lawal, and Catherine Wong (2004) "STS Task Force on Information Literacy for Science and Technology." STS Poster Session, American Library Association Annual Conference, June 28, 2004, Orlando, FL.
- Baldwin, Virginia and Charles Bernholz (2004) "Sponsoring a PTDL Public Seminar." PTDL Best Practices Roundtable Presentation, USPTO PTDL Training Seminar, March 19, 2004, Arlington, VA
- Baldwin, Virginia (2003) "A Study of Interdisciplinary Research Needs: Results from Input of Faculty in Six Engineering Departments in Prioritizing Serial Subscriptions", American Society for Engineering Education Conference, Nashville, TN, June 23, 2003
- Baldwin, Virginia (2002). "USPTO Patent and Trademark Depository Library Program (PTDLP) and Patent & Trademark Searching," Omaha, Nebraska, June 28, 2002
- Baldwin, Virginia and Anderson, Michael (2002). "Are They Really Teachers?" Problem-Based Learning Conference: PBL2002: A Pathway to Better Learning. Baltimore, MD, June 20, 2002
- Baldwin, Virginia (2002). Session Moderator – New Paradigms of Information Access, Special Libraries Association (SLA) Annual Conference, Los Angeles, CA, June 12, 2002
- Baldwin, Virginia (2002). "Incorporating Patent Information in Library Instruction." Patent and Trademark Depository Library: PTDL Best Practices Roundtables 25th Annual Patent and Trademark Depository Library Training Seminar, Crystal City, Virginia, March 23, 2002
- Baldwin, Virginia (2001) "Collaboration with the Teaching and Learning

Center in Developing Library Instruction for Engineering Courses." Poster Session presented at the 2001 American Society for Engineering Education Annual Conference, Albuquerque, NM, June 23, 2001

Baldwin, Virginia (2000) "China 2000: A Librarian's Perspective" Eastern Illinois University School of Technology and School of Adult and Continuing Education International Programs, Charleston, IL, November 14, 2000.

Baldwin, V.A. and Jagodzinski, C.M. (1998) "Stretching the Dollars for Library Materials in Science and Technology in Illinois." ALA Annual Conference, ALA/ ACRL/STS Forum for Science and Technology Research, Washington, D.C., June 28, 1998

Gibbs, W.J. and Baldwin, V.A. (1996). "Evaluating Users' Interactions with WWW Documents." Illinois Library Association Annual Conference, Chicago, IL

Lanham, Allen K. and Baldwin, V.A. (1996). "Discipline Allocation Formulas - Fair or Foul?" Illinois Library Association Annual Conference, Chicago, IL

Gibbs, W.J., Baldwin, V.A., and Slough, M.M. (1995). "Staff Development in a Medium-Sized Academic Library." Illinois Library Association Annual Conference, Peoria, IL

Lanham, A.K., Slough, M.M., Baldwin, V.A. and Gibbs, W.J. (1995). "Where Are We Going? Assessment of Library Services through Strategic Planning at a Medium-Sized University Library" - Poster Session. Illinois Library Association Annual Conference, Peoria, IL

Lanham, A.K., Slough, M.M., Baldwin, V.A. and Gibbs, W.J. (1995). "Where Are We Going? Assessment of Library Services through Strategic Planning at a Medium-Sized University Library" - Poster Session. Association of College and Research Libraries Conference, Pittsburgh, PA

Baldwin, V. A. (1993) "Biosciences Proposal." Illinois Library Association Annual Conference, Springfield, IL

EDITOR

Editor, *Science & Technology Libraries*, 2000-2003, volumes 20-23 published or submitted for publication. This is the only fully peer reviewed publication dedicated to science and technology librarianship.

GRANT AWARDS

"Materials Technology Proposal for FY98," \$55,600, funded by the Illinois Cooperative Collection Management Program (CCMP), \$6,500 Eastern Illinois University's portion, FY98

"Materials Technology Model Discipline Project," \$65,000, funded by CCMP, \$13,000 Eastern Illinois University's portion, FY97

“Biosciences Model Discipline Project,” \$40,250, funded by CCMP, \$4000 Eastern Illinois University’s portion, FY96

“Biotechnology - Mycology and Biological Monitoring of Pollution,” \$1911, funded by CCMP, FY92

“Hydrogeology - Low Level Nuclear Wastes, Hydrogeologic Aspects,” \$750, funded by CCMP, FY92

“Industrial Technology - Robotics and Computer Numerical Control,” \$3,440, funded by CCMP, FY93

SELECTED
PROFESSIONAL
WORKSHOPS
ATTENDED

"Patent and Trademark Depositor Library Program Training & Workshop" United States Patent and Trademark Office, Patent and Trademark Depository Library Program, Washington, DC, 6-day program, 2001 through 2007

Association of Research Libraries/Office of Leadership and Management Services "Library Management Skills Institute I: The Manager," Ames, Iowa October 21-23, 2003

"Reaching Students and Faculty: Putting the Information Literacy Competency Standards to Work", ACRL all-day workshop, Denver, CO March 15, 2001

"Library Instruction on the Web", ALA Instruction Section preconference, ALA Annual Conference, Chicago, IL July 7, 2000.

"Learning to Teach", ACRL preconference workshop, ACRL National Conference, Detroit, MI April 1999

"Conference Within a Conference" (collaboration of librarians with teaching faculty), ACRL National Conference, Detroit, MI April 9, 1999

ALA/ALCTS “Collection Management and Development Institute”, Pomona, CA, March 25-27, 1999

“Patent Searching for Science and Technology” SLA Continuing Education Course, Washington, DC, June 6, 1998

“Using the Internet to Train Users and Staff: Techniques for Developing Training Modules,” SLA Continuing Education Course, Washington, DC, June 11, 1998

Covey workshop – “The Seven Habits of Highly Effective People”, June-July, 1998

“The Prairie Consortium Minority Student Articulation Project,” Charleston, IL, March 28, 1998

CAS - STN Workshop "Online Database searching for Chemists,"
Charleston, IL, Jan. 8 and 9, 1998

"The Seven Keys to Highly Effective Web Sites," SLA Continuing Education
Course, Seattle, WA, June 8, 1997

"Opening Doors: Diversity at Eastern," January 23, 1997

"Electronic Reference: Meeting Information Needs Via the Internet,"
Springfield, IL, March 6, 1995

"Promoting Libraries," Illinois State Library, Springfield, IL, March 8, 1994

Landmark Education Communication Course," Indianapolis, IN, October 1-
3 and 17, 1993

"Collection Assessment Workshop for Illinois Libraries," Normal, IL, March
4, 1993

"OCLC Reference Services Session on FirstSearch," Springfield, IL,
November 19, 1991

SERVICE TO THE
UNL LIBRARIES
UNIVERSITY &

UNL Libraries Faculty Chair, 2005-2006

Appointed member, UNL Convocations Committee 2004-2007
Chair for Spring 2007 awards

Facilitator, UNL Summer Reading Project: Seabiscuit, 2003

Collection Development Committee member, 2001-present

Academic Activities Committee
Secretary FY2002
Chair FY2003

Advisory Group Member
Research and Instructional Services: May 2003-present
Branch Services: 2000-May 2003

Web Management Task Force member, 2003

Love North Second Floor Collaboration Rooms Project member, FY02

Document Delivery and External Users Project member- FY02

SELECTED
COMMUNITY
AND OTHER
SERVICE

Member Charleston Kiwanis service organization, 1992-2000

Kiwanis Advisor to Eastern Illinois University Circle K service
Organization, 1996-present

Faculty Advisor to Eastern Illinois University Circle K service organization, Spring, 1996

Committee chair and exhibitor, "Expanding Your Horizons Through Math and Science" Conference, 1995-2000

Started Builder's Club service organization at Charleston Junior High School, 1995

**WORKSHOPS
DEVELOPED AND
IMPLEMENTED**

Baldwin, V. A., Nowick, Elaine, and Voeltz, Richard (2002) "*Web of Science*" UNL

Baldwin, V. A., Nowick, Elaine, and Voeltz, Richard (2003) "*SciFinder Scholar*" UNL

Baldwin, V.A. and Vitez, C.A. (since 1997). "Internet Searching and Evaluation." Booth Library

Baldwin, V.A. and Vitez, C.A. (since 1997). "Resources in Women in Science." Booth Library

Baldwin, V.A. (since 1997). "Resources in Physics." Booth Library

Baldwin, V.A. (since 1997). "Resources in Technology." Booth Library

Baldwin, V.A., Lanham, A.K., Gibbs, W.J. and Whisler, K.A. (January, 1997). "Patron Satisfaction Workshop." Booth Library

Baldwin, V.A. (May 18,19, 1994). "Government Data on CD-ROM - using EXTRACT." Booth Library

Baldwin, V.A. (April 2,3, 1992). "Using Email on the Local Area Network." Booth Library

ACCOMPLISHMENTS

Individual

Created an online, computer graded, assessment instrument for information literacy in engineering

Completion of the Serials Prioritization Project at UNL for six engineering departments and the Physics Department

Established instruction programs in five engineering departments that insure exposure of all incoming students to basic principles of information literacy in the field of engineering

Restructured, defined and promoted Patent and Trademark services at the UNL Engineering Library

Revitalized, updated, and added online Web guides to the UNL Engineering Library and Physics Library Web sites

Developed electronic classroom workshops for “Resources in Technology”, “Resources in Physics”, and, with a colleague, “Resources in Women in Science” and “Internet Searching and Evaluation”

Developed a Web site of tutorials for information literacy at Eastern Illinois University

Awarded six grants for a total of \$166,951 for the purchase of science and technology materials of which \$29,601 went to Booth Library

Author, co-author, or editor of nine publications in the library field

Presenter or co-presenter of twelve conference presentations

Awarded academic tenure at Eastern Illinois University in 1997

Promoted to Associate Professor during my first year of eligibility and to Full Professor five years later

As Head of the Biosciences proposal

Communicated with and organized input from Biosciences librarians from libraries throughout Illinois to produce the Biosciences proposal for grant funds.

Committee or team effort of which I was a member

Developed, published for review, and obtained endorsement for the Information Literacy Standards for Science and Technology (as Task Force Chair)

Researched library Website management scenarios for UNL Libraries, defined the current structure, and made recommendations for UNL Libraries Website management

Provided campus-wide training for *Sci-Finder Scholar*, *Web of Science*, and *Journal Citation Reports*

Developed an Information Literacy Document for Booth Library, modeled after the ACRL document, "Information Literacy Competency Standards for Higher Education"

Restructured the six colleges at Eastern Illinois University into four colleges

Developed Booth Library's portion of the Strategic Plan at Eastern Illinois University

Developed the Model Discipline concept for ongoing cooperative collection

of library materials in Illinois through the Cooperative Collection Management Program (CCMP)

Developed a formula for the allocation of library materials funds among the disciplines at Eastern Illinois University.

As Chair of the Staff Development Committee

Developed and facilitated a four-hour workshop for all service desk personnel at Eastern Illinois University's Booth Library for customer satisfaction

Developed a survey instrument to assess the needs for Staff Development at Booth Library

CAPABILITIES

Collection management in science and engineering

Ability to provide reference services and instruction in an engineering library and in a campus library that serves all fields at the university

Patent and Trademark Searching

Specialized library instruction in many subject areas, including physics, and the engineering fields of engineering mechanics, electrical, civil, and mechanical engineering, construction management, and industrial management and systems engineering

Knowledge of and experience with science and engineering databases, reference sources, and Internet resources

Grant writing, scholarly publication, journal editorship

Experience in reference and research assistance in science and engineering

Strong working relationships with science and engineering faculty

HTML coding, Web page creation, MS Word, Excel, PowerPoint