Jackie C. Shane

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http://www.unm.edu/~jshane/resume/respbs.pdf

Education

Master of Science, Library and Information Science, University of Illinois at Urbana-Champaign, 1992.

Bachelor of Science, Agricultural Science, University of Illinois at Urbana-Champaign, 1987.

Additional coursework in science and engineering, University of New Mexico (see *continuing education*).

Library and Information Science Experience

Science Librarian, **Associate Professor**, University of New Mexico (June 1996-present).
- Reference librarian for scientific and technical information.
- Coordinated instruction.
- Directed reference services.
- Selector and liaison for Electrical and Computer Engineering, Mechanical Engineering, and Computer Science.
- Answer questions for the General Libraries' Virtual Service Desk (Ask a Librarian).
- Geographic Information Systems specialist.
- Patent and Trademark Librarian for New Mexico.
- Created and maintain *libguides* for Patents & Trademarks, Electrical & Computer Engineering, Computer Science, and Mechanical Engineering. http://libguides.unm.edu/

Government Information Librarian, University of New Mexico (August 1995-June 1996).
- Provided reference and information service.
- Designed and taught library instruction courses.
- Created instructional materials.
- Processed federal documents.
- Coordinated implementation of electronic shipping list and Marcive tapes.

Documents Reference / Government Information Technology Specialist, Emory University (February 1993-August 1995).
- Provided reference service at the government documents and science libraries.
- Developed collection with an emphasis on electronic media.
- Managed design and purchase of local area network.
- Created and taught library research classes and user guides.
- Trained staff in the use of the Internet and new CD-ROM products.
- Hired, trained, directed, and evaluated reference support staff.
- GIS specialist.

Information Consultant, Database Analysis Project, W.K. Kellogg National Rural Studies Committee, Oregon State University, (October 1992-December 1992).
- Recommended core and expanded lists of journals; updated indexing terminology for primary social science indices.

- Developed methodology for future subject-specific database evaluation.

Graduate Assistant, Government Documents Library, University of Illinois (May 1991-August 1992).
- Answered documents-related queries via print and computerized sources.
- Conducted workshops on the use of government documents for research.
- Acquired, cataloged, and distributed state documents for the library's central and departmental collections.

Graduate Assistant, Reference Library, University of Illinois (August 1990 to August 1992).
- Created new library instruction program.
- Provided general reference and bibliographic services.
- Searched online and locally-mounted databases.
- Taught bibliographic instruction; conducted research counseling.

Hebrew Language Cataloger, Asian Library, University of Illinois (May 1990-May 1991).
- Cataloged Hebrew monographs.
- Selected and purchased Hebrew language materials.

Management Experience

Director, Hillel at UNM (foundation for Jewish campus life)
- Supervise three student interns.
- Coordinate with board of directors.
- Plan programs, foster student leadership and service to the community.

Publications

- **Refereed**

An Inside Look Behind Pandora.com, The Cyberskeptic's Guide to Internet Research, 12 (1), January 2007, p. 6-7.

One Song Leads to Another: Pandora Internet Radio, The Cyberskeptic's Guide to Internet Research, 11 (10), Nov/Dec 2006, p. 6-7.

A Selection of 50 Essential Government Electronic Commerce Websites, Journal of Business and Finance Librarianship, v. 5 (3), 2000, pp. 3-26.

Patent and Trademark Searching on the Web: Some Cautionary Advice, Science and Technology Libraries, v. 18 (4), 2000, pp. 83-91.

Waste Isolation Pilot Plant: Retrieving Nuclear Waste Disposal Information, Science and Technology Libraries, v. 17 (1), 1997, pp. 35-52.

Locating Holocaust Information on the Internet, The Reference Librarian, v. 61/62, May 1998, pp. 255-264.

Administering World Wide Web Home Pages and Gopher Menus, (book chapter) pp. 45-61 in Government Information on the Internet, ed. John Maxymuk, Neal-Schuman, New York, 1996.

- **Invited**

Monthly column entitled *Paint by Numbers*, (a guide to locating statistics), since February 2006, for <u>The Cyberskeptic's Guide to Internet Research</u>:

Foreign Aid, 14 (10), Nov./Dec. 2009, p. 5.

Lobbyists in the Halls of Congress, 14 (9), October 2009, p.5.

Fast and Free Stock Quotes, 14 (8), September 2009, p.5.

Statistical Terminology: Putting words to numbers, 14 (7), July, August 2009, p. 5.

Fuel Economy, 14 (6), June 2009, p. 5.

Lawn Mowers: Cutting grass and emissions, 14 (5), May 2009, p. 5.

Weird Statistics for April Fools Day, 14 (4), April 2009, p. 5.

Tracking the Unemployment Rate, 14 (3), March 2009, p. 5.

Virtual Organizations, 14 (2), February 2009, p. 5.

Data Visualization: The World is your bubble, 14 (1), January 2009, p. 5.

Know your Market, 13 (10), November/December 2008, p. 5.

Running on Empty: The National Deficit, 13 (9), October 2008, p. 5.

Water Quality, 13 (8), September 2008, p.5.

Water Resources: Tracking Freshwater, 13 (7), July/August 2008, p. 5.

Counting the Book, and Other Library Statistics, 13 (6), June 2008, p. 5.

Spam: Clogging the Arteries of Commerce Everyday, 13 (5), May 2008, p. 5.

U.S. Sites on Global Climate Change: Dead Glacier Walking, 13 (4), April 2008, p. 5.

Junk Mail: The Great Pileup, 13 (3), March 2008, p. 5.

International Sources for Global Climate Change Data, 13 (2), February 2008, p. 5.

Who's Online?—Statistics About Internet Users, From the Internet, 13 (1), January 2008, p. 5.

Sad Facts—The Prevalence of Depression, 12 (10), November/December 2007, p. 5.

Reading Between the Lines, 12 (9), October 2007, p. 5.

Running the Numbers: An American Self-Portrait, 12 (8), September 2007, p. 5.

Bottled Water—Murky Benefits, 12 (7), July/August 2007, p. 5.

A Nation Buried in Garbage, 12 (6), June 2007, p. 5.

Free Data for Geographic Information Systems, 12 (5), May 2007, p. 5.

[You're Not Alone: Being Single in the 21st Century](#), 12 (4), April 2007, p. 5.

[Buying a House? Click on Home](#), 12 (3), March 2007, p. 5.

The Taxing Season: What do your taxes fund? 12 (2), February 2007, p. 5.

Tax Cuts: Are They All They're Cut Out to Be? 12 (1), January 2007, p. 5.

What the World Pays to Fight, 11 (10), November/December 2006, p. 5.

A Calculated Move: Factoring the Cost of Relocation, 11 (9), October 2006, p. 5.

Best Places to Live 11 (8), September 2006, p. 5.

Religion and How it Shapes Opinions, 11 (7), July/Aug 2006, p. 5.

Energy Statistics: Fuel Production, 11 (6), June 2006, p. 5.

Transportation Statistics: Why Americans are Spinning Their Wheels, 11 (5), May 2006, p.5.

The Fools Guide to Predicting the Weather, 11 (4), April 2006, p. 5.

Government Support for Health Care, 11 (3), March 2006, p. 5.

Statistical Evidence for the Health of a Nation, 11 (2), February 2006, p. 5.

- **Other invited**

Wikipedia: An Emergent Encyclopedia, The Cyberskeptic's Guide, 9 (8), 2004, p. 6.

Wikipedia: More is Better, The Cyberskeptic's Guide, 9 (7), 2004, p. 6.

The Mechanics of Plagiarism Detection Tools, The Cyberskeptic's Guide, 8 (3), 2003, pp. 4-5.

A Rose by Any Other Name Would Still Smell a Cheat, The Cyberskeptic's Guide, 8 (2), 2003, pp. 4-5.

Testing Medical Sites for Reliability, The Cyberskeptic's Guide, 7 (7), 2002, pp. 6-7.

So You Want to Patent an Invention? The Cyberskeptic's Guide, 7 (2), 2002, pp. 4-5.

Scientific and Technical Information: This Millennium and the Next, Searcher: The Magazine for Database Professionals, January 2000 (special millennial issue), p. 34.

Fedmarket.com: A Procurement Data Warehouse, Government EC News, September 1998, p. 6.

www.states.org: Information Infrastructure by State, Government EC News, July/August 1998, p. 6.

Using the Census Data to Profile Your Market, Government EC News, June 1998, p. 6.

Locating Patents on the Internet, Government EC News, May 1998, p. 6.

- **Research**

Proline's function in cold stress and osmoregulation in carrot culture suspensions, Hosted on UNM's DSpace server.   http://hdl.handle.net/1928/286.

- **Art Work**

Dirt Rag Mag, http://www.dirtragmag.com/. Issue 112, Feb. 2004, p. 23.

- **Radio Interview**

Interviewed by Elaine Baumgartel at KUNM regarding intellectual property seminar at UNM. Program aired February 26 and 27th during Morning Edition and All Things Considered.
http://kunm.org/news/current/index.php?id=EkpukEIZkuDjGMpZXO

- **Conference Proceedings**

Copyright Fundamentals for Science and Engineering Faculty: How to Preserve Your Rights. Conference Proceedings, Council for Higher Education Computing Services, Farmington, NM, April 1997.

Access is Ownership: The People Become the Public Printer, Conference Proceedings, Council for Higher Education Computing Services, Roswell, NM, November 1995.

Rural Ties to the Internet: A Sociological Overview, Proceedings: American Society for Information Science, mid-year conference, Portland, OR, May 1994.

Whitepaper: Government Information in the Electronic Environment, (contributed chapter), Ad Hoc Committee on the Internet, Government Documents Roundtable (GODORT), American Library Association, January 1996. Republished in *Government Publications Review.*

- **Book Reviews**

Essay book reviews for E-Streams, http://www.e-streams.com:

Essential Forensic Biology, 11 (2), June 2008.

Safe Design and Operation of Process Vents and Emission Control Systems, 11 (2), June 2008.

Preventive Nutrition: The Comprehensive Guide for Health Professionals, 3rd ed., 11 (2), June 2008.

The Genus Lavandula, 8 (6/7), June/July 2005.

Landscape Agroecology, 7 (10), October 2004.

Molecular Modeling for Beginners, 7 (7), July 2004.

Plant Discoveries: A botanist's voyage through plant exploration, 7 (5) May 2004.

Encyclopedia of Garden Plants, 7 (3), March 2004.

Flora of North America, submitted 7 (1), January 2004.

Elsevier's Dictionary of Botany: Russian--English, 6 (8), August 2003.

Handbook of Fish Biology and Fisheries, Vols. I and II, 6 (6), June 2003.

The Plants that Shaped our Gardens, 6 (4), April 2003.

Monitoring Ecological Impacts: Concepts and Practice in Flowing Waters, 5 (12), December 2002.

Handbook of Plant Growth: pH as the Master Variable, 5 (9), September 2002.

Bulbs of North America, May 5 (5), May 2002.

The Nature of Nebraska, 5 (4), April 2002.

Oilseed Crops, 4 (8), August 2001.

Crop Responses and Adaptations to Temperature Stress, 4 (8), August 2001.

Daylilies for the Garden, 3 (5), June 2000.

Handbook of Functional Plant Ecology, 2 (12), December 1999.

Japanese Flowering Cherries, 2 (12), December 1999.

The Bird Collectors, 2 (6), June 1999.

Engineering Formulas, 2 (2), February 1999.

McGraw-Hill Encyclopedia of Engineering & Troubleshooting Guide, 2 (2), February 1999.

Handbook of Vegetable Science and Technology: Production, Composition, Storage, and Processing, 1 (8), September 1998.

Essay book reviews for the Journal of Government Information:

Forests of Hope: Stories of Regeneration, 26 (3), May/June 1999, p. 331-2.

Informed Legislatures: Coping with Science in a Democracy, 24 (2) 1996, pp. 331-332.

Unglued Empire: The Soviet Experience with Communications Technologies, 25 (2) 1997, pp. 144-146.

Cybernautics Digest, June 1996, pp. 357-358.

Information Superhighway: An Overview of Technology Challenges, January 1996, pp. 78-80.

Notable Documents: New Mexico (column), Journal of Government Information, November 1998, p. 586-587; also November 1997, and 1996.

Abstract book reviews for Choice:

Seeds: time capsules of life, October 2007.

Guide to Reference and Information Sources in Plant Biology, May 2006.

Encyclopedia of Earth and Physical Sciences, January 2006.

Facts on File Encyclopedia of Earth Science, June 2005.

1001 Computer Words You Need to Know, Jan 2005.

Earth Sciences Resources in the Electronic Age, July 2004.

CRC Handbook of Chemistry and Physics, 84th ed., April 2004.

Fiber Optics Illustrated Dictionary, submitted April 2003.

Absolutism and Scientific Revolution 1600-1720: A biographical dictionary, February 2002.

The Color Encyclopedia of Ornamental Grasses on CD-ROM, April 2002.

Encyclopedia of Plant Pathology, September 2001.

Elsevier's Dictionary of Plant Names and Their Origin, October 2001.

Encyclopedia of Computer Science, March 2001.

Facts on File Dictionary of Physics, January 2001.

Innovations in Earth Sciences, February, 2000.

Wiley Encyclopedia of Electrical and Electronics Engineering, November 1999.

The Photography Encyclopedia, November 1999.

Encyclopedia of Fishes, April 1999.

Sciences of the Earth: An Encyclopedia of Events, People, and Phenomena, Nov. 1998.

Biographies of Western Photographers: A Reference Guide to Photographers Working in the 19th Century American West, December 1997.

SciEd: Science and Mathematics Education Resources, http://www-hpcc.astro.washington.edu/scied/science.html, University of Washington web site, Choice special supplement, 1997.

The Oxford English-Hebrew Dictionary, January 1997.

Encyclopedia of the History of Arabic Science, December 1996.

An Einstein Dictionary, October 1996.

Alpines: The Illustrated Dictionary, February 1996.

Health Industry, September 1995.

Reference Sources in Science, Engineering, Medicine, and Agriculture, January 1995.

Presentations

Hosted Independent Inventor's Seminar, UNM, Albuquerque, 2008.

Hosted Patent and Trademark seminar for librarians, New Mexico State Library, Santa Fe, 2008.

The Music Genome Project as a cataloging example, Special Libraries Association, Seattle, 2007.

So You Think You Have a Great Invention (view slides), Mountain Plains Library Association Annual Conference, 2005.

Using the Patent Literature to Locate Chemical Information (view slides), Patent and Trademark Depository Library Association Panel, American Library Association Annual Conference, Toronto, 2003.

American Association of Law Libraries, presented Conducting a Patent Search, (view slides), Phoenix, AZ. December 2004 (invited as primary speaker).

Five-State Documents Conference, presented *Patentability Searching with Class*, Santa Fe, New Mexico August 2004.

Association of Research Libraries, Minority Director's Group, presented The Minority Engineering Bridge Program: A case study In partnering a grant [(view slides)](), Albuquerque, 2003.

New Mexico Library Association, Annual Conference, presented *How to conduct a patent or trademark search on the Internet,* Albuquerque, 2001.

New Mexico Library Association, Annual Conference, presented *How to conduct a patent or trademark search when you are far from a patent depository*, Taos, 2000.

Council for Higher Education Computing Services, presented *Copyright Fundamentals for Science and Engineering Faculty: How to Preserve Your Rights,* with Donna Cromer, Farmington, NM, 1996.

New Mexico Library Association, presented *Finding Government Information on the Internet,* Las Cruces, NM, 1996.

Invited speaker at UNM anti-defamation rally, 1996.

Council for Higher Education Computing Services, presented *Access is Ownership: The People Become the Public Printer* with Dan Barkley, Roswell, NM, 1995.

American Library Association, presented *An Update to Government Information on the Internet*, New York, 1996.

American Library Association, co-taught two full-day pre-conferences, entitled: *Finding Government Information on the Internet,* Miami, 1994 and Chicago, 1995.

Georgia Library Association Conference, presented *Internet Update for Government Documents Librarians—Gopher, WAIS, and Mosaic*, Augusta, GA, 1994.

American Society for Information Science Mid-year Conference, presented *Rural Ties to the Internet: A Sociological Overview,* Portland, OR, 1994.

Lincoln Trail Libraries System Conference, presented *Collection and Acquisition of Government Documents*, Springfield, IL, 1992.

Professional Affiliations

Patent and Trademark Depository Library Association, elected Representative District 11 (Southwestern district) (member 1995-present, officer 1999-2001).

American Society for Engineering Educators, Engineering Libraries Division (1998-present).

New Mexico Library Association (1995-present); newsletter editor and board member 1996-2000. Interim advertisement coordinator, 1996-97.

Special Libraries Association, Science and Technology Section (June 1997-present).

American Library Association; *Government Documents Round Table* (1993-1997).

Council on Higher Education Computing Services (1995-1999).

GODORT Ad Hoc Committee on the Internet, ALA, appointed member (1994-96).

American Society for Information Science (1994-96).

Georgia Library Association (1993-95).

UNM Committees

Faculty Senate Computer Use Committee, (2004-present, chair 2005-2008)

Academic Freedom and Tenure Committee, (2005-present)

Information Technology Cabinet, (2005-2008)

Faculty Senate, alternate, (2002-present)

Strategic Transportation and Parking Committee (2006-present)

Faculty Club Treasurer (2006-2008)

UNM General Library Committees

Library Faculty Search Coordinator, (2004-2008)

Library Instruction Committee, (1996-2004), (chair 1997-1998)

Brown Bag Committee, (chair 2003-2007)

Outreach Committee (2000-2005)

Committee on Committees (1999-2001; chair 2001)

University Curriculum Committee (1996-2005)

Intellectual Property Committee (1996-2004)

Ad Hoc Orientation Committee (1996-1997), revised Employee Handbook; developed mentoring proposal

Alternative Library Electronic Resources Team (ALERT), (1995-1999)

Development of Internet Tools (DO-IT), (1995-1999)

Library Forum Steering Committee (1996-1999)

Consulting/Grants

Minority Engineering Bridge Program awarded by NSF, grant instruction coordinator, Electrical and Computer Engineering Department, UNM, 2002.

Contract with Sandia National Laboratories. Development of database access and archiving strategy for viewgraphs and publication. Principle investigator: Jackie Shane (UNM); Supervisor: Jim Novak (SNL), 1996.

Volunteer, Charles Darwin Research Center library, Galapagos, Ecuador: cataloged over 500 scientific reprints, sorted over 6,000 slides, 1998.

Community Involvement

Judge for undergraduate research day, UNM, 2009.

Presiding precinct judge, 2008 election, Bernalillo County.

Science fair judge for Jefferson Middle School and for NM State Science Fair (held at UNM), since 2005.

VUNM faculty advisor, since 2006.

University of New Mexico Bicycle Club, founder, faculty advisor (1999-present). Moderator for BIKE2UNM-L listserv.

BikeABQ (treasurer 1998-1999, secretary 1999-2004). Organized Albuquerque Bike Swap 2002.

Women's Voices Magazine, treasurer (1995-1997).

New Mexico Research, Education, and Enrichment Foundation, board member (1995-1997).

University of New Mexico Animal Protectors on Campus, faculty advisor (1997-1999).

Continuing Education: Courses, Workshops, and Conferences

Courses completed at the University of New Mexico: Introduction to Electrical and Computer Engineering, Engineering Calculus, Introduction to ArcGIS, Computational Biology/Genomics, Science Writing, Applied Ecology, Molecular and Cell Biology, Cell Biology, Genetics, Conservation Biology, Biology I and II, Computer Graphics, PowerPoint, Conversational Spanish.

American Society for Engineering Educators annual conference, Albuquerque, 2001. Engineering Librarian's Division local events coordinator.

Patent and Trademark Depository Library Seminars, Crystal City, VA, 1998-2008.

Alliance for Innovations in Scientific and Technical Information, annual conferences, Santa Fe, NM.

NMCAL Workshop on Legal and Medical Reference, Albuquerque, 1997.

National Teleconference, Managing Libraries for the 21st Century, sponsored by SLA.

4-MAT Seminar (addresses learning styles), UNMGL, University of New Mexico, 1996.

ArcView training, (Spatial Data Analysis Lab, Albuquerque) ESRI, 1996.

Library Management Skills Institute I: The Manager. ARL/OMS Workshop, Chicago, 1994.

Introduction to UNIX, Emory University, Atlanta, 1994.

ARL/GIS participant at the annual ESRI Geographic Information Systems User Conference, Palm Springs, CA, 1993.

Foreign languages

Fluent in Hebrew; introductory Spanish and French.

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