

Meredith Joan Angwin
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Engineering and Communication

Wrote, edited and managed documentation projects for large software development teams and electric utilities. Prepared:

- Newsletters and presentations communicating research results to utility engineers.
- Marketing white papers for enterprise software products.

Managed research projects for utilities:

- Prepared recommendations for improved water chemistry at nuclear plants and corrosion control in gas pipelines.
- Built databases of stress corrosion cracking incidents at nuclear plants.

Employment

2006-2008: Writing teacher, writer, and editor

- Lebanon College: developed and taught a workshop on technical writing techniques for engineers and scientists.
- Norwich University: edited a cyber conflict magazine and a military night vision report. Received clearance from DoD for further work.
- Vermont Manufacturing Extension Center: wrote "Success Stories" about quality improvement projects in Vermont.
- Vermont Studio Center: received a fellowship to study fiction with Andrea Barrett.

2001-2005: Technical Writer (contract and employee) TIBCO Software

- Wrote manuals for Java Messaging Service 1.0, a major addition to the TIBCO product line.
- Wrote significant revision of TIBCO BusinessConnect EDI-HIPAA Protocols. Split complex and hard-to-follow manual into protocol-specific manuals.
- Wrote marketing white papers for new products, including TIBCO BusinessWorks SmartMapper, a graphical user interface for cross referencing data fields.

1986-2001: President, Fourth Floor Databases

- Founded Fourth Floor Databases with the motto: *We Make Technical Information Useful and Accessible.*
- Located funding, prepared proposals, supervised projects.

- Wrote *Environmental Control Systems Update* newsletter, informing utility sponsors of EPRI's progress in fossil fuel pollution abatement.
- Headed multi-national project to improve Swedish State Power Board water quality at the Ringhals nuclear plant.
- Improved in-house quality controls, aiming at ISO 9000 certification.
- Wrote manuals for Hyperion (now part of Oracle) on data warehouse product.

1980-1986: Project Manager, Electric Power Research Institute (EPRI)

- Designed research projects to improve the reliability of geothermal and nuclear power plants.
- Obtained project funding from utilities that owned nuclear plants. Managed projects and edited final reports.

Before 1980: Teaching and Research

- Employers included Ithaca College, Illinois State University, Parkland Community College, and Acurex-Aerotherm.
- Two patents for NO_x abatement catalysts.

Education

Certificate in Technical Writing, University of California at Santa Cruz (UCSC) Extension. 2002.

ISO 9000 for software development, UCSC Extension, 2000.

B.S. and M.S. in Chemistry, University of Chicago. 1966, 1968. Further research toward a Ph.D. in mineral chemistry.

Professional Societies and Commissions

Current member of Coalition for Energy Solutions, American Nuclear Society, and Sisters in Crime (mystery writers). Member of Energy Commission of Hartford Township. Former member of NACE International and Society for Technical Communication.

Selected Publications

- *TIBCO Enterprise for JMS (Java Messaging Service) 1.0 User's Guide and Release Notes*
- TIBCO BusinessConnect Protocols for EDI and HIPAA (eight manuals)
- "Technical Database Design" by Meredith Angwin, J. Lawrence Nelson, and Barry C. Syrett. *Corrosion* 96, Paper 366
- "Data Based Risk Management for Gas Pipelines" by Meredith Angwin and George Licina, *Corrosion* 97, paper 558
- *Time Out for Motherhood*, by Lucy Scott and Meredith Angwin, Tarcher, 1986