

**Thomas Allen Lang**

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[www.TomLangCommunications.Com](http://www.TomLangCommunications.Com)

***Professional Experience***

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- Since 1999                    **Principal, Tom Lang Communications and Training.** Consult with a variety of domestic and international clients in the areas of scientific publications, critical appraisal of scientific research, statistical reporting, communication and document design, and on-line and on-site training in medical writing and editing.
- 1998 to 1999                **Senior Scientific Writer, Division of Clinical Care Research, New England Medical Center, Boston, Massachusetts.** Wrote evidence-based reports for the Evidence-based Practice Center and the New England Cochrane Center. Taught a yearlong post-graduate course in medical writing and scientific publications.
- 1990 to 1998                **Manager, Medical Editing Services, Department of Scientific Publications, The Cleveland Clinic Foundation, Cleveland, Ohio.** Wrote and edited scientific manuscripts; taught medical writing. Hired, trained, and supervised 2 entry-level medical editors; supervised 2 undergraduate and 5 international post-doctorate medical writing interns.
- 1984 to 1990                **Senior Grants Officer, Office of Sponsored Projects, California State University Chico, Chico, California.** Assisted faculty in all pre-award aspects of proposal development, including project development, budgeting, and evaluation.
- 1982 to 1984                **Medical Writer, Loma Linda University Medical Center, Loma Linda, California.** Edited articles for publication in scientific journals; designed publications and exhibits; presented workshops on communication.
- 1978 to 1982                **Independent Medical Writer.** Co-authored a college text on personal health; wrote grants and project evaluation reports.
- 1977 to 1978                **Assistant to the Dean, Graduate School, California State University Chico, Chico, California.** Wrote evaluation reports and developed proposals.
- 1976 to 1977                **Normal In-patient Volunteer for Medical Research, National Institutes of Health, and Graphic Arts Intern, National Library of Medicine, Bethesda, Maryland**
- 1975 to 1976                **Technical Writer/Editor, Lawrence Livermore Laboratory, Livermore, California.** Edited scientific articles for publication in professional journals.

***Education***

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- 1988                            **Master's Degree in Communication Management,** Annenberg School for Communications, University of Southern California. Emphasis on written, scientific, and organizational communication.
- 1973                            **Bachelor's Degree in Social Science,** breadth concentration, California State University, Chico. Graduated *magna cum laude*, fourth in a class of 650. Minor in African Studies. Postgraduate courses in anthropology, psychology, sociology, and elementary education.

### ***Publications: Books and Book Chapters***

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◆ Lang T. ***How to Write, Publish, and Present in the Health Sciences: A Guide for Clinicians and Laboratory Researchers***. American College of Physicians, 2009.

◆ Lang T, Secic M. ***How to Report Statistics in Medicine: Annotated Guidelines for Authors, Editors, and Reviewers***. Philadelphia: American College of Physicians, 1997. 360 pages. Reprinted in English for distribution within China in 1998 and **translated into Chinese** in 2001. **Second edition, 2006**. 450 pages. **Translated into Japanese** in 2009.

Lang T. **Common statistical errors in scientific articles**. In: European Association of Science Editors. *Science Editors' Handbook*. Surrey, England: European Association of Science Editors, 2003;2-3.1, 1-4.

Lang T. **Rinsho kenkyu ni okeru toukei houkoku no shikata [How to report statistics in clinical research]**. In: Harrison B, Barron JP, Kobayashi H, Harrison E, editors. *Igaku eigo komyunikeshon 2: Ronbun no kakikata – ouyouhen [Medical English Communication, volume 2. How to Write a Research Paper (Applied Skills)]*. Tokyo: Asakura Shoten, 2003;281-92.

Lang T. **Statistics for medical writers and editors**. In: American Medical Writers Association. *Selected Workshops in Biomedical Communication, vol 3*. Bethesda, MD: American Medical Writers Association, 2001.

Goodkin DE, Lang T. **Standardized reporting of randomized controlled multiple sclerosis clinical trials**. In: Rudick R, Goodkin DE, editors. *Multiple Sclerosis: Experimental and Applied Therapeutics*. London: Martin Dunitz Publishers, 1999.

Lang T, Talerico C. **Improving comprehension: theories and research findings**. In: American Medical Writers Association. *Selected Workshops in Biomedical Communication, vol, 2*. Bethesda, MD: American Medical Writers Association, 1997.

Lang T. **Preparing Patient Education Handouts**. In: American Medical Writers Association. *Selected Workshops in Biomedical Communication*. Bethesda, MD: American Medical Writers Association, 1994.

◆ Reed R, Lang T. ***Health Behaviors***. St. Paul: West Publishing Co., First Edition, 1982; Second Edition, 1987. A college text on personal health; 600 pages and an instructor's manual.

Lang T. ***An Overview of Proposal Development: A Guide for the Faculty at California State University, Chico***. The Graduate School, CSU Chico, 1989.

Lang T. **A brief history of jujutsu**. In: Musser D, Lang T. *Jujitsu: Techniques and Tactics*. Champaign, IL: Human Kinetics, 1999. **Translated into Chinese and Russian** in 2005. 196 pages.

Lang T, Zier D. ***The Japanese Short Staff***. Burbank: Unique Publishing Co., 1985. 100 pages.

Lang T. ***The Stick and Cane in Close Combat: Joint Locks, Takedowns, and Surprise Attacks***. Orange, California: Unique Publications/Action Pursuit Group, 2006. 300 pages.

### ***Publications: Articles***

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Lang T. **Just Who Are We and What Are We Doing, Anyway? Needed Research in Medical Writing**. Invited article. AMWA Journal. In press.

Lang T. **What do you think constitutes authorship?** AMWA Journal 2008; 23(2): 65-7.

Lang T. **The need for accurate statistical reporting: Invited Commentary.** Adv Physiol Ed 2007;31:Dec.

Lang T. **Documenting research in scientific articles: guidelines for authors. 1. Reporting research designs and activities.** Chest 2006;130:1263-68. Invited article.

Lang T. **Documenting research in scientific articles: guidelines for authors. 2. Reporting hypothesis tests.** Chest 2007;130:317-9. Invited article.

Lang T. **Documenting research in scientific articles: guidelines for authors. 3. Reporting multivariate analyses.** Chest 2007;130:628-32. Invited article.

Lang T. **How we became medical writers: survey responses of AMWA Members.** AMWA Journal, in press.

Lang T. **How to write an article for publication in a Western scientific journal: advice for Asian authors from an American medical writer.** Chinese J Evidence-Based Med 2005;5:404-7.

Lang T. **Tips for using commas.** Cancer On-Line: <http://www.lifescience.co.jp/~itoh/ccoimage> [Japanese website], 2005.

Lang T. **Tips for writing English sentences.** Cancer On-Line: <http://www.lifescience.co.jp/~itoh/ccoimage> [Japanese website], 2005.

Lang T. **Tips for writing English paragraphs.** Cancer On-Line: <http://www.lifescience.co.jp/~itoh/ccoimage> [Japanese website], 2005.

Lang T. **Sources of ambiguity in English writing.** Cancer On-Line: <http://www.lifescience.co.jp/~itoh/ccoimage> [Japanese website], 2005.

Lang T. **Striking out with readability formulas.** AMWA J 2004;19:95-6. [Invited article]

◆ Lang T. **Systematic reviews as research assignments for training physicians.** Acad Med 2004;79:1067-72

◆ Lang T. **Twenty statistical errors even YOU can find in biomedical research articles.** Croatian Med J 2004;45:361-70.

◆ Lang T, Hodge P, Olson V, Romano P, Kravitz R. **Nurse-patient ratios and patient, nurse employee, and hospital outcomes: a systematic review.** JONA 2004;34:326-37.

Lang T. **Guidelines for reporting statistics in biomedical research.** Graefe's Archive for Clinical and Experimental Ophthalmology, 2003: [www.medizin.uni-koeln.de/kliniken/augenlinik/graeefe.html](http://www.medizin.uni-koeln.de/kliniken/augenlinik/graeefe.html).

Lang T. **Common statistical errors even YOU can find, Part 7: Common errors in conclusions.** AMWA J 2006;21:17-8. [Invited article]

Lang T. **Common statistical errors even YOU can find, Part 6: errors in research designs.** AMWA J 2005;20:112-5. [Invited article]

Lang T. **Common statistical errors even YOU can find, Part 5: errors in reports of diagnostic tests.** AMWA J 2005;20:10-1. [Invited article]

Lang T. **Common statistical errors even YOU can find, Part 4: errors in correlation and regression analysis.** AMWA J 2005;20:10-1. [Invited article]

Lang T. **Common statistical errors even YOU can find, Part 3: errors in data displays.** AMWA J 2004;19:9-11. [Invited article]

Lang T. **Common statistical errors even YOU can find, Part 2: errors in multivariate analysis and in interpreting differences between groups.** AMWA J 2003;18:103-7. [Invited article] Reprinted in The ATA (American Translators Association) Journal 2005;34:43-7.

Lang T. **Common statistical errors even YOU can find, Part 1: errors in descriptive statistics and in interpreting probability values.** AMWA J 2003;18: 67-71. [Invited article] Reprinted in The ATA (American Translators Association) Journal 2004;33.

Lang T. **Quality assurance for pharmaceutical documents.** Jpn Pharmacol Ther 2002;30:837-43.

Lang T. **Editing and proofreading pharmaceutical writing.** Jpn Pharmacol Ther 2002;30:845-9.

Lang T. **How to stay out of bars (why dot charts are better than bar charts).** AMWA J 2002;17(3):27-9.

◆ Lang T. **Collaborative review of editing and writing (CREW): a method for training medical writers and editors.** AMWA J 2002;17(1):23-4.

◆ Lang T. **Mentor-guided analytical thinking (MAT): a method for training medical writers and editors.** AMWA J 2002;17(1):26-7.

◆ Altman DG, Schulz KF, Moher D, Egger M, Davidoff F, Elbourne D, Gøtzsche PC, Lang TA, for the CONSORT Group. **The revised CONSORT statement for reporting randomized trials: explanation and elaboration.** Ann Intern Med 2001;134:663-94.

◆ Altman DG, Schulz KF, Moher D, Egger M, Davidoff F, Elbourne D, Gøtzsche PC, Lang TA, for the CONSORT Group. **The CONSORT statement: revised recommendations for improving the quality of parallel-group randomized trials.** Ann Intern Med 2001;134:657-62; Lancet 2001;357:1191-4; JAMA 2001;285:1987-91.

Lau J, Ioannidis JP, Balk E, Milch C, Chew P, Terrin N, Lang TA, Salem D, Wong JB. **Evaluation of technologies for identifying acute cardiac ischemia in emergency departments.** Evid Rep Technol Assess 2000;26:1-4.

Lang T. Masking or blinding? **An unscientific survey of mostly medical journal editors on the great debate. (A Not Brief Enough Report)** [serial online] Med Gen Med March 13, 2000. [Invited article]

Lang T. **Medical writing: where it's been, where it's going.** AMWA Journal 2000;15:9-12.

Lang T. **A curriculum for biomedical writing and editing.** CBE Views 1999;22(1):3-5.

Lang T. **CONSORTing with a QUOROM of MOOSES: what it takes to report medical research.** AMWA J 1997;12(3):2-5.

◆ Lang T. **Assessing the productivity and value of a hospital-based medical editing service.** AMWA J 1997; 12(1):6-14.

◆ Lang T. **Physical and processing characteristics of manuscripts submitted for author's editing.** CBE Views. 1996;19(5):111-5.

Lang T. **Why medical writers should learn about statistics: the n's do justify the means.** AMWA J 1994;9(2):45-50.

Lang T. **Medical journals: an overview of the industry.** AMWA J 1989;4(2):26-32.

Lang T. **The effects of word processing on the writing process.** AMWA J 1989;4(4):14-7.

Lang T. **The technology of writing: a brief history of the alphabet.** AMWA J 1988;3(4):8-12.

Lang T. **A technical writing laboratory: the puzzle exercise.** Tech Writing Teach 1988;25(2):132-7.

◆ Lang T. **Technical writing is not one of the humanities.** AMWA J 1987;2(5):3-8.

Lang T. **Conveying movement in print: how to present martial arts techniques in photographs and text.** J Asian Martial Arts 2008;17:38-53.

Lang T. **Katsu: traditional Japanese resuscitation techniques.** Ann Emerg Med 1984;1:40-4.

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### ***Other Interviews, Publications, and Presentations***

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Presentation titled "Getting Published: summarized in an article of the same title in *The DO*, a publication of the American Osteopathic Association 2006;47:28-36.

Interviewed for an article on the risks and benefits of clinical trials in the Indian journal, **Clinical Quest: Spotlight on Drug Development** 2004;1:13-20.

◆ Interviewed by the journal, *Nature*, for an article on statistical errors in the scientific literature. May 26, 2004.

Interviewed for an article in the Japanese journal, *Medical Writing* for the Department, Meet the Author: How to Report Statistics in Medicine. Medical Writing 2001;9:17-21.

Interviewed for an article about the University of Chicago's Medical Writing and Editing Certificate Program. **Chicago Magazine** 2001; Aug: 68-70.

Interviewed for an article on statistical reporting titled: *Vital Statistics*, by Linda Wasmer Smith. **Reaction Times** 1995; Nov: 9-14.

Interviewed for an article titled: *Can Your Patients Read What You Give Them?* **Patient Education Newsletter** 1994;1(1):1-2,7. Atlanta: Pritchertt & Hull Associates, Inc.

Interviewed for an article titled: *Write Within the Writers Context.* **Writing Concepts: The Business Communications Report** 1995; 6(5):3-4. Springfield, VA: Writing Concepts, Inc.

Lang T, editor. *Masters Theses, Papers, & Projects: Guide to Style and Format.* The Graduate School, CSU Chico, 1980.

◆ Lang T. *The Rural Clinical Nurse Placement Project: A Report to the Legislature* and *The Rural Clinical Nursing Option: An Implementation Manual.* Rural Clinical Nurse Placement Project, CSU Chico, 1980.

Lang T, editor. *The Final Report of the Rural Drug Needs Assessment Project* and *The Executive Summary of the Final Report of the Rural Drug Needs Assessment Project.* Human Services Center, CSU Chico, 1979.

Lang T. **Experimentally induced conformity.** Paper presented to the Western Psychological Association Conference for Undergraduate Research, Santa Clara, CA, May 1973.

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### ***Invited Presentations, International***

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- 2008 **National Center for Science and Industrial Research, Lusaka, Zambia.** 2 weeks of lectures to scientists and physicians from several southern African countries on scientific and technical communication. Sponsored by AuthorAid.
- 2008 **Sun Yat Sen University, Guangzhou, China.** Lectures to physicians, researchers, and medical students on scientific publications
- 2008, 2009 **St. Lukes Hospital, Tokyo, Japan.** Lectures to staff physicians on scientific publications
- 2006 **Charlesworth China, Beijing.** 4-day training to editorial staffs of more than 50 Chinese scientific journals published in English.
- 2006 **Peking University International Health Sciences Center.** 2-h lecture to physicians, researchers, and medical students
- 2006, 2009 **Tsukuba University, Tsukuba Japan.** Lecture and consulting on training science students in scientific communication and publications.
- 2005, 2006, 2007, 2009 **Chinese Cochrane Center, West China Hospital, Sichuan University, Chengdu, China.** Nine, 3-hour lectures on scientific publishing and medical writing.
- 2005 Writing the Statistical Consulting Report, **Centre for Statistics in Medicine, Oxford University, Oxford, United Kingdom**
- 2005, 2007 **Japanese Medical Communicators Association.** Lectures on writing patient education handouts and reporting clinical trails
- 2004 **Seth G. S. Medical College/King Edward Memorial Hospital, Mumbai (Bombay), India.** Presentations at the 50<sup>th</sup> Anniversary Conference of the Journal of Postgraduate medicine.
- 1996, 1998, 2002, 2004 **Visiting Scholar, Beijing Medical University.** One of two instructors recruited by the China Medical Board to teach Chinese physicians and researchers about publishing in English-language biomedical journals.
- 2001 to present **Japanese Union of Scientists and Engineers (JUSE), Tokyo, Japan.** Annual training course in scientific publications, medical writing, and critical appraisal of research
- 2004 **Central South China University, Xiang Ya Hospital, Changsha, China.** Lectures on how to publish in Western scientific journals
- 2005 **Fudan University Children's Hospital, Shanghai, China.** Lectures on how to publish in Western scientific journals
- 2003 **Japanese Medical Communicators Association, Tokyo, Japan.** Educating medical writers
- Since 2001 **Medical Interpreters and Translators Association, Tokyo, Japan.** Annual lectures on medical writing and editing, statistical reporting, and training medical writers
- 2002 **Fourth Military Medical University Hospital, Xian, PR China; Fudan University, Shanghai, PR China; Peking University Medical College, Beijing, PD China.** "Publishing in Western journals."

- 2000, 2001      **Drug Information Association**, Tokyo, Japan. Presentations on statistical reporting and the training of medical writers and editors
- 1998            **Japanese Medical Writers [Journalists] Association**, Tokyo, Japan. Reporting Statistics
- 1998            **China Medical University**, Shenyang, China. Lectures on medical writing
- 1998            **Peking Union Medical College**, Beijing, China. Lectures on medical writing

1996, 1997,  
1998, 2002,  
2003, 2004,  
2008

**European Medical Writers Association**, annual conferences in Berlin, Edinburgh, Madrid, Prague, Lisbon, Budapest, and Barcelona

- Biostatistics for Medical Writers and Editors
- Reporting Correlation and Regression Analyses
- Reporting Biomedical Research: The Scientific Article
- Improving Comprehension: Theories and Research Findings
- Reporting Clinical Trials

1994, 1995,  
1997

**The Canadian Royal College of Physicians and Surgeons**, annual conferences in Toronto, Montreal, and Vancouver

- Biostatistics for Medical Writers and Editors
- Reporting Biomedical Research: The Scientific Article
- Reporting Clinical Trials

***Invited Presentations, Domestic***

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2007

**American Orthopaedic Society for Sports Medicine Annual Meeting**, Calgary, Canada, “Statistical Errors Even YOU can Find.”

2007

**Veterinary Journal Editors Group**, American Veterinary Medical Association Annual Conference, Washington, DC, “Statistical Errors Even YOU can Find.”

2007

**The Cleveland Clinic Lerner School of Medicine at Case Western Reserve University**, several presentations on scientific publications and medical writing

2007

**Association of Health Care Journalists Annual Meeting, Los Angeles**, Twenty Statistical Errors Even YOU Can Find.

2005 and 2006

**American Osteopathic Association, Council on Research**, Conference presentations in Birmingham, AL, Tulsa, OK, and Las Vegas, NV.

1999 to 2004

**American Statistical Association**, annual meetings: “Communicating with Nonstatisticians, 4- and 8-hour workshops

2001 to 204

**American Public Health Association**, annual meeting. Continuing Education course on critical appraisal of biomedical and public health research

2000 to 2002,  
2006 to 2009

**Ohio State University Summer Program in Applied Statistical Methods**. Day-long workshop on writing statistical reports and reporting statistics.

2002

**Centers for Disease Control and Prevention**, Atlanta Georgia. “Critical appraisal of the biomedical literature.” Video broadcast to 3 remote sites.

2000

**National Council of Teachers of English**, Milwaukee, WI. Scientific Writing

1996

**American Academy of Optometry**, Annual Research Symposium. Writing Scientific Articles

Since 1996

**Council of Science Editors**, annual conferences

- Instructor, Short Course, Statistics for Journal Editors, on-going
- Instructor, first 3 Short Courses for New Manuscript Editors
- Ten Common Statistical Reporting Errors; four presentations
- Discussant, Is There Evidence of Quality in the Scientific Literature?



- Since 1986
  - Discussant, Value Added and Productivity Measures in Medical Writing
  - Moderator, What Editors Need to Know about Industry-Sponsored Research**American Medical Writers Association.** More than 100, 3-hour Core and Advanced workshops presented at national and regional conferences:
  - Biostatistics for Medical Writers and Editors (required)
  - Reporting Correlation and Regression Analyses (required)
  - Preparing Biomedical Research Articles (required)
  - Critical Appraisal of Clinical Research Articles
  - Reporting Clinical Trials (Advanced Curriculum)
  - Reporting Diagnostic Test Characteristics (Advanced Curriculum)
  - Improving Comprehension: Theories and Research Findings (required)
  - Preparing Patient Education Handouts
  - Preparing Tables and Graphs
  - Institutional Pandering: What Writers Need to Know about Grantsmanship
  - Mentor-guided Analytical Thinking (MAT)
  
- 1992                   **The 1992 Nutrition Conference**, a continuing education course sponsored by The Cleveland Clinic Foundation; “Dr. Frankenstein, Science, and YOU”
  
- 1990                   **Midwest Pediatric Gut Club**, “Developing Patient Education Handouts”
  
- 1989, 1990           **Society for Technical Communication** (Writer in the Workplace Conference, Sacramento, California)
  - Writing for Informavores: Applications of Information Theory to Technical Communication
  - Meaning, Sound, and Symbol: The Alphabet, Before and Beyond
  - Seven Reasons for Writing in Circles: From Message to Meaning in Written Communication
  
- 1986                   **American Society for Clinical Hypnosis**, annual conference, Seattle, Washington: “Medical Writing: Strategies and Skills”
  
- 1983                   **Loma Linda University Medical Center**, “Coping With Stress. A 4-hour workshop presented to the Department of Respiratory Care. Ten presentations.
  
- 1980                   **California State University, Chico**
  - Publishing in Professional Journals. Professional development seminar presented to the faculty at CSU Chico, January 1980.
  
  - Rape: A Model for Prevention. Keynote address presented at the Northern California Rape Prevention Conference, Chico, CA, June 1980.

***Professional Activities***

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- 2008                   **Statistical Reviewer**, *Epilepsia*
  
- 2006                   **Editor**, chapters on reporting statistics and on preparing tables, in *Scientific Style and Format*, 7<sup>th</sup> Edition. Council of Science Editors, 2006.
  
- 2006                   **Peer Reviewer**, *The Science Editor*, the journal of the Council of Science Editors
  
- 2005                   **Peer Reviewer**, *Journal of Pediatric Gastroenterology & Nutrition*
  
- 2005                   **Statistical Reviewer**, *Journal of Foot and Ankle Surgery*

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**Current as of February 8, 2009**

Since 2005	Member, <b>QUOROM (Now PRISMA) Group</b> on reporting systematic reviews of randomized controlled trials.
Since 2002	<b>Peer Reviewer</b> , <i>American Medical Writers Association Journal</i>
2001	<b>Peer Reviewer</b> , <i>Annals of Internal Medicine</i>
2000, 2002	<b>LearnStat Workshop Program</b> , American Statistical Association.
2000	<b>Peer Reviewer</b> , <i>Annals of Emergency Medicine</i>
1999	Chair, <b>Program Committee</b> , 2000 CBE Annual Conference
Since 1998	Member, <b>Consolidated Standards on Reporting Trials (CONSORT) group</b> , a reporting guideline development group
1997	Member, <b>Meta-analysis Of Observational Studies in Epidemiology (MOOSE)</b> , a reporting guideline development group
1988	Reviewer, two chapters of the <i>AMA Manual of Style, 9th Edition</i> (reporting original research and reporting statistical information)
1994 to 1996	Chair, <b>Long-Range Planning Committee</b> , American Medical Writers Association. Managed the development of a 5-year plan for the Association.
1995 and 1996	<b>Peer Reviewer</b> , <i>Cleveland Clinic Journal of Medicine</i>
1994	Member, <b>Asilomar Working Group on Recommendations for Reporting Clinical Trials in the Biomedical Literature</b> . See: <i>Annals of Internal Medicine</i> 1994; 121(11):894-5 and 1996;124(8):741-3.
1993 to 1994	Chair, <b>Health Education Materials Committee</b> , The Cleveland Clinic Foundation. Evaluated the production and use of patient education materials.
1990	As President of the Ohio Valley Chapter of the American Medical Writers Association, <b>established the Deer Creek Conference</b> , an annual professional development retreat. Organized the 1992 and 1993 Conferences.
1991	Helped establish <b>the Educators Section of the American Medical Writers Association</b> . Organized the first plenary session for the Annual Conference.
1990 to 1993	Served as <b>Content Specialist</b> to review the core curriculum workshops for the Editors Section of the American Medical Writers Association.

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### ***Consulting and Training Activities***

2001	<b>Systematic review of the literature on the clinical implications of nurse-to-patient ratios</b> , for the University of California, Davis, Center for Health Services Research in Primary Care. Report to the State of California.
2001 to 2004	Helped to structure the <b>Core Curriculum of the American College of Medical Quality</b>
Since 1993	Provided training and consulting services in medical writing to several clients:

- **Advanstar**, a medical publishing company
- **Amgen, Inc.**, a biotechnology company
- **American College of Rheumatology**
- **American College of Osteopathy**
- **Archives of Physical Medicine and Rehabilitation**
- **Astrolabe Analytica**, a medical communications company
- **Barnett International**, a pharmaceutical training company
- **Besselaar Associates**, a contract research organization
- **Cell Genesys**, a biotechnology company
- **Centers for Disease Control and Prevention**
- **Centocor**, a pharmaceutical company
- **Charlesworth China**, a journal production company
- **ClinTrials Research, Inc.** a contract research organization
- **Complete Healthcare Communications**, a medical communications company
- **BioScience Communications**, a medical communications company
- **Eli Lilly, Inc.**
- **Ethicon Endo-Surgery**, a medical device company
- **FHP**, a large health-maintenance organization
- **Genentech**, a biotechnology company
- **Glaxo Smith-Klein**
- **Hoffmann-La Roche**
- **Life Sciences Publishing (Tokyo Japan)**
- **Massachusetts Medical Society**
- **Medical Economics**, a medical publishing company
- **MicroMedix**, a medical publishing company
- **Neurocontrol Corporation**, a medical device company
- **New England Journal of Medicine**
- **Palladian Partners**, a scientific editing company
- **Paraspinal Corporation**, a medical device company
- **PCS Health Systems**, a formulary management company
- **Peloton Advantage**, a communications company
- **Pharmaceutical Training International**, a pharmaceutical training company
- **Pharmacia Corporation**
- **PKC Corporation**, a medical software company
- **Postgraduate Medicine**
- **ProED Communications, Inc.**
- **Ross Laboratories**, a therapeutic nutrition company
- **G. D. Searle & Co.**
- **Slack, Inc.**, a medical publishing company
- **Solvay Pharmaceuticals**
- **Takeda Pharmaceuticals**
- **TAP Pharmaceuticals**
- **University of California, Davis: Departments of Pain Management, Outcomes Research, Informatics, Telemedicine**
- **University of Medicine and Dentistry of New Jersey**
- **Writers, Inc.**, a medical communications company

- 1989            Advised **Butte County Alcohol and Drug Services** in the design and preparation of a regional, interdisciplinary proposal to coordinate perinatal substance abuse treatment services.
- 1989            Evaluated the American Chemical Society's multimedia technical writing course for adoption by the **NASA Lewis Research Center**, Cleveland, OH.
- 1983            Thirty chapters of *Operative Hand Surgery*, the leading reference for hand surgeons, edited for **Dr. Virchel Wood, Chief, Hand Section, Department of Orthopedic Surgery, Loma Linda University Medical Center**, Loma Linda, CA.

### ***Professional Affiliations***

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- Since 2004      Adjunct Professor of Medical Writing, **University of Sciences in Philadelphia**, for the master's program in medical writing.
- Since 1998      **World Association of Medical Editors (WAME)**. Treasurer since 2007.
- Since 1997      Adjunct Instructor, Medical Writing and Editing Program, **Graham School of General Studies, University of Chicago**
- Since 1997      **European Association of Science Editors (EASE)**

- Since 1988      **Council of Science Editors** (CSE). Presidential track 1999 to 2004; President 2001 to 2002.
- 1994 to 1999    **International Society for Performance and Instruction** (ISPI; Ohio chapter)
- Since 1979      **American Medical Writers Association** (AMWA); President, Ohio Valley Chapter, 1992 to 1993; Chair, National Long-Range Planning Committee, 1994 to 1996
- 1978 to 2002    **Society for Technical Communication** (STC); Senior member
- Since 1972      **American Judo and Jujitsu Federation** (AJJF). As Director of Information and Public Relations (1983 to 1987), edited and published a quarterly national newsletter.

### ***Awards, Honors, and Personal Achievements***

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- 2006            Completed a 28-hour course in **Community Mediation** through the Sacramento Mediation Center.
- 2005            First **Excellence in Teaching Award**, Professional Programs, Graham School of General Studies, University of Chicago
- 2002            **Harold Swanberg Distinguished Service Award** for distinguished contributions to medical communications, the American Medical Writers Association
- 2002            **Excellence in Continuing Education Award**, Advisory Committee on Continuing Education, American Statistical Association
- 1994            **The Golden Apple Award** (for excellence in teaching), American Medical Writers Association
- 1993            **Fellow**, American Medical Writers Association
- 1992            **President's Award for Meritorious Service**, American Medical Writers Association
- 1986, 1995     **Basic and Advanced Core Curriculum Programs in Medical Communications**, cross-disciplinary emphasis, the American Medical Writers Association
- 1984            **Award of Achievement**, Society for Technical Communication publications competition, Golden Gate and Pacifica chapters
- Since 2004     Completed a 60-hour intensive course in **Mandarin Chinese** at the Monterey Institute of International Studies. On-going independent study of spoken Mandarin.
- Since 2005     Independent study of **Japanese**, including weekly language exchanges with native speakers
- 2000            Completed The Seven Progression Foundation Course in The **Gyrotonic Expansion System** and the first level of **Gyrokinesis** training; qualified to teach both aspects of this therapeutic exercise system
- 1987            **4th-degree black belt**, *Danzan Ryu Jujutsu*, American Judo and Jujitsu Federation
- 1983            **2nd-degree black belt**, All Japan Kendo Federation (*iaido* [sword drawing] section)
- 1982            **Emergency Medical Technician Program**, Butte Community College, Oroville, California

### ***University Teaching Experience***

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Annually since 2005	<b>BW701 Professional Writing in Science</b> , University of Sciences in Philadelphia. Internet-based course on the master's degree program in medical writing. Fall, spring, and summer semesters.
Summer 2005	<b>BW708 Methods for Evaluating Written Communication</b> , University of Sciences in Philadelphia. Internet-based course on the master's degree program in medical writing
2001 to 2004	<b>Critical Appraisal and Editing of Biomedical Research Articles</b> , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course
Annually since 1999	<b>Interpreting Medical Statistics</b> , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course
1999	<b>Tabular and Graphical Data Displays</b> , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course.
1998 to 1999	<b>Scientific Writing</b> , postdoctoral seminar, a weekly, year-round seminar, Tufts University Medical School, Boston, Massachusetts
1989	<b>Communication and Society</b> (Information and Communication Studies 204), CSU Chico. A 3-unit senior seminar and capstone course for majors.
1989	<b>Communication Research</b> (Communication Design 202), CSU Chico. Discussion section of an upper-division lecture class. Supervised group research projects.
1986 and 1988	<b>Proposal Writing</b> (English 230), CSU, Chico. A 3-unit upper-division course in the technical writing certificate program.
1988 and 1989	<b>Nature and Impact of Human Communication</b> (Communications 140), Annenberg School of Communications, University of Southern California. A 4-unit, lower-division introductory course. Teaching Assistant for Sandra Ball-Rokeach, PhD, and Head Teaching Assistant for Everett M. Rogers, PhD.
1984 and 1986	<b>Technical report writing</b> (School of Technical Careers 416), Southern Illinois University, Carbondale. A 3-unit upper-division course taught at Fort Hood, TX, and at March Air Force Base, Riverside, CA, on three alternate weekends.
1984	<b>Management Research Methods</b> (School of Technical Careers 350), Southern Illinois University, Carbondale. A 3-unit upper-division course taught at March Air Force Base, Riverside, CA, on 12 evenings.
Summer 2007	<b>Japanese therapeutic massage</b> , Experimental University, University of California, Davis.
Since 2006	<b>Hanbojutsu (jointlocks and takedowns with the stick and cane)</b> Experimental College, University of California, Davis.
1978 to 1982	<b>Jujitsu and Principles of Self Defense</b> (PE 104), Department of Physical Education, California State University, Chico. Beginning and Advanced classes. Two students promoted to black belt.