

Thomas Allen Lang, MA
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Professional Experience

- Since 1999 **Principal, Tom Lang Communications and Training International.** 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

- 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.

current as of July 21, 2010

Publications: Books and Book Chapters

- ◆ Lang T. ***How to Write, Publish, and Present in the Health Sciences: A Guide for Clinicians and Laboratory Researchers***. American College of Physicians, 2010.
- ◆ 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.
- 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

- 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.

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.

Other Interviews, Publications, and Presentations

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.

Invited Presentations, International

2009 **Third Military Medical University, Chongqing, China.** Visiting Scholar. Lectures to undergraduate and graduate physicians, medical English teachers, and editorial board members of the University's journal

2008 **National Center for Science and Industrial Research, Lusaka, Zambia.** Lectures to scientists and physicians from several southern African countries on scientific and technical communication. Sponsored by AuthorAid.

2008, 2010	Sun Yat Sen University , Guangzhou, China. Lectures to physicians, researchers, and medical students on scientific publications
2008	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, 2008	Peking University International Health Sciences Center . 2-h lecture to physicians, researchers, and medical students
2006, 2008	Tsukuba University, Tsukuba Japan . Lecture and consulting on training science students in scientific communication and publications.
Annually since 2005	West China Medical School and Chinese Cochrane Center, Sichuan University , Chengdu, China. 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 th 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
2001 to 2010	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, 2010
1996, 1997,
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2008

Peking Union Medical College, Beijing, China. Lectures on medical writing
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
- Mentor-guided Analytical Thinking (a process for training editors)

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

2010

Medical Editor in Residence, Texas A&M University, July, 2010. Assisted in training a group of Mexican scholars in preparing their research for publication; gave open lectures on medical writing and scientific publications.

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

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?
- Discussant, Value Added and Productivity Measures in Medical Writing
- Moderator, What Editors Need to Know about Industry-Sponsored Research

- Since 1986 **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

- 2006 **Editor,** chapters on reporting statistics and on preparing tables, in *Scientific Style and Format*, 7th 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*

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

Consulting and Training Activities

2001	Systematic review of the literature on the clinical implications of nurse-to-patient ratios , 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 Core Curriculum of the American College of Medical Quality

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

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

- 2009 **Honorary Editorial Board Member, *Acta Academiae Medicinae Militaris Tertiae*** [Journal of the Third Military Medical University], Chongqing, China.
- 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

2000 to 2002, 2006, 2007	Ohio State University Summer Program in Applied Statistical Methods. Day-long workshop on writing statistical reports and reporting statistics.
Annually since 2005	BW701 Professional Writing in Science , University of Sciences in Philadelphia. Internet-based course on the master's degree program in medical writing. Fall, spring, and summer semesters.
Summer 2005	BW708 Methods for Evaluating Written Communication , University of Sciences in Philadelphia. Internet-based course on the master's degree program in medical writing
2001 to 2004	Critical Appraisal and Editing of Biomedical Research Articles , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course
Annually since 1999	Interpreting and Reporting Biostatistics , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course
1999	Tabular and Graphical Data Displays , University of Chicago, Biomedical Writing Certificate Program, intensive 3-day course
1998 to 1999	Scientific Writing , postdoctoral seminar, a weekly, year-round seminar, Tufts University Medical School, Boston, Massachusetts
1989	Communication and Society (Information and Communication Studies 204), CSU Chico. A 3-unit senior seminar and capstone course for majors.
1989	Communication Research (Communication Design 202), CSU Chico. Discussion section of an upper-division lecture class. Supervised group research projects.
1986 and 1988	Proposal Writing (English 230), CSU, Chico. A 3-unit upper-division course in the technical writing certificate program.
1988 and 1989	Nature and Impact of Human Communication (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	Technical report writing (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	Management Research Methods (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	Japanese therapeutic massage , Experimental University, University of California, Davis.
Summer 2006; 2008	The Stick and Cane in Close Combat , Experimental University, University of California, Davis.
1978 to 1982	Jujitsu and Principles of Self Defense (PE 104), Department of Physical Education, California State University, Chico. Beginning and Advanced classes. Two students promoted to black belt.