

BARBARA GASTEL

Mailing Address:

Department of Veterinary Integrative Biosciences
107 Veterinary Medicine Administration Building
4458 TAMU
College Station, TX 77843-4458 USA

Telephone Numbers:

(979) 845-6887 (office)
(979) 731-8781 (home)
Fax: (979) 847-8981
E-Mail: b-gastel@tamu.edu

Degrees

MD, 1978, Johns Hopkins
MPH, 1978, Johns Hopkins
BA, 1974, Yale, summa cum laude (major: biology/history of medicine)

Honors

Texas A&M University Bush Excellence Award for Faculty in Public Service, 2015
Texas A&M University Association of Former Students Distinguished Achievement Award in Extension, Outreach, Continuing Education, or Professional Development, 2012
John P. McGovern Science and Society Award, Sigma Xi, The Scientific Research Society, 2010
Council of Science Editors Award for Meritorious Achievement, 2010
Honored Editor in the Life Sciences, Board of Editors in the Life Sciences, 2006
John P. McGovern Award for Excellence in the Field of Medical Communications, American Medical Writers Association Southwest Chapter, 2006
Outstanding Texas A&M Science Communicator, Texas A&M University Chapter of Sigma Xi, 2003
Distinguished Service Award, Council of Science Editors, 2002
Fellow, American Association for the Advancement of Science, elected 2001
Harold Swanberg Distinguished Service Award, American Medical Writers Association, 1998
Golden Apple Award, American Medical Writers Association, 1993
Fellow, American Medical Writers Association, elected 1991
Phi Beta Kappa, 1973

Academic and Related Employment

2008- Professor of Veterinary Integrative Biosciences and of Humanities in Medicine
Texas A&M University
2004-2008 Associate Professor of Veterinary Integrative Biosciences
and of Humanities in Medicine
Texas A&M University
1989-2004 Associate Professor of Journalism and of Humanities in Medicine
Texas A&M University
1985-1989 Assistant Dean for Teaching and Teaching Evaluation
and Assistant Adjunct Professor of Epidemiology and International Health
University of California, San Francisco School of Medicine
1983-1985 Visiting Professor of Technical Communication
Beijing Medical University (now Peking University Health Science Center)
1981-1983 Assistant Professor of Science Writing
Massachusetts Institute of Technology
1980-1981 Special Assistant to the Director
National Center for Health Care Technology
US Department of Health and Human Services
1978-1980 Special Assistant, Office of the Director
National Institute on Aging, National Institutes of Health

Editorial and Related Posts

- 2013- INASP Associate, AuthorAID (international project to help researchers in developing countries to write about and publish their work, www.authoraid.info)
- 2007-2013 Knowledge Community Editor, AuthorAID
- 2000-2010 Editor, *Science Editor* (periodical of the Council of Science Editors)
- 1998-1999 Editor, *CBE Views* (periodical of the Council of Biology Editors)
- 1988-1997 Consulting Editor in Medicine and Pathology,
McGraw-Hill Yearbook of Science and Technology
- 1987-1996 Consulting Editor in Medicine and Pathology,
McGraw-Hill Encyclopedia of Science and Technology
- 1993-1995 Associate Editor, *Sciphers* (newsletter, Science Communication Interest Group, Association for Education in Journalism and Mass Communication)
- 1987-1994 Member, Editorial Board, *CBE Views*
(book review editor, 1992-94)
- 1987-1990 Book Review Editor, *American Journal of Preventive Medicine*
- 1983-1985 Editorial Consultant, *Chinese Medical Journal*
- 1976-1982 Assistant Editor, *Johns Hopkins Medical Journal*
(clinical conferences editor, 1977-78; book review editor, 1980-82)

Teaching

Summary of Courses Taught

Texas A&M University

Science Journalism Graduate Program

Biomedical Reporting
 Issues in Science and Technology Journalism
 Reporting Science and Technology
 Research Methods in Science and Technology Journalism
 Risk and Crisis Reporting
 Science Editing

Biomedical Sciences Undergraduate Program

Biomedical Explorations Through Narrative
 Biomedical Writing

Texas A&M Health Science Center College of Medicine Department of Humanities in Medicine

Cultural Diversity in Medicine
 Medical Essays: Current and Classic
 Medicine and Literature
 Medicine and the Media
 Introduction to Medical Ethics (discussion leader and occasional lecturer)
 Introduction to Leadership in Medicine (discussion leader)

College of Liberal Arts Honors Program

Journal Editing and Publication: A Look Behind the Scenes
 Medical Literacy Through Narrative
 Physicians' Recollections
 Words and Health

Department of Journalism

Editing for the Mass Media
 Magazine Editing and Production
 Magazine Writing
 Media Writing II/Reporting and Editing II
 Methods of Specialized Journalism

University of California, San Francisco School of Medicine

Teaching Techniques
 Scientific Writing
 Journalism for Health Science Students
 Fundamentals of Epidemiology (discussion leader)
 Medical Problem Solving (discussion leader)
 Introduction to Clinical Medicine (discussion leader)

Beijing Medical University (now Peking University Health Science Center)

Scientific Communication
 American-Style Teaching Methods

Capital (Peking Union) Medical College

Scientific Communication

Chinese Medical Association

Scientific Communication for Editors

Massachusetts Institute of Technology

Science Writing for the Public
 Scientific and Engineering Writing
 The Scientific Essay

Recent Workshops for International Researchers

AuthorAID Workshops on Research Writing: Dar es Salaam, Tanzania, 5 March 2014; Addis Ababa, Ethiopia, 28-29 November 2012; Nairobi, Kenya, 4-6 June 2012; Lahore, Pakistan, 29 April-1 May 2012; Accra, Ghana, 24-25 November 2011; Kathmandu, Nepal, 14-17 March 2011; Dar es Salaam, Tanzania, 21-24 June 2010; Kandy, Sri Lanka, 15-19 March 2010; Dhaka, Bangladesh, 17-21 May 2009; Butare, Rwanda, 23-26 February 2009; Managua, Nicaragua, 24-27 November 2008; Addis Ababa, Ethiopia, 8-9 March 2008

AuthorAID Workshop on Teaching Research Communication: Colombo, Sri Lanka, 27-31 May 2013

AuthorAID Workshop on Effective Mentorship in Research Communication: Colombo, Sri Lanka, 3-4 March 2015

AuthorAID Train the Trainers Workshops on Teaching Research Writing: Addis Ababa, Ethiopia, 30 November 2012; Kathmandu, Nepal, 18 March 2011; Dar es Salaam, Tanzania, 25 June 2010

AuthorAID Workshops on Proposal Writing: Addis Ababa, Ethiopia, 14-17 May 2012; Butare, Rwanda, 7-10 June 2011

AuthorAID/University of Colombo Faculty of Medicine Workshop for Research Trainers, Colombo, Sri Lanka, 3-4 March 2015

Health Reporting Workshop for Health Professionals and Journalists, Accra, Ghana, 21-22 November 2011 (co-facilitator)

Intensive Course in Research Writing, Texas A&M University: 23 June-11 July 2014; 24 June-12 July 2013; 25 June-13 July 2012; 27 June-15 July 2011; 5-23 July 2010; 22 June-10 July 2009; 7-25 July 2008

International Training Workshops: Revision of Research Proposals and Development of

Scientific Manuscripts for Publication (led the portion on scientific manuscripts): Cali, Colombia, 9-14 November 2009; Nairobi, Kenya, 29 April-4 May 2008
 Lecture Series on Biomedical Writing and Scientific Publication, Sichuan University, Chengdu, China, 24-26 December 2007 (one of two main lecturers)
 Scientific-Communication Capacity-Building Workshop, Nairobi, Kenya, 7-8 May 2015
 Scientific-Communication Workshop, Havana, Cuba, 13-14 October 2014
 Workshop on Medical Writing and Publication, Bangladesh Society of Medicine, Dhaka, Bangladesh, 10-14 December 2011
 Workshop on Scientific Writing and Publishing, Makerere University, Kampala, Uganda, 13-17 August 2007
 Workshops in Mexico on Scientific Writing: Mexico City, 25-27 November 2009; Monterrey, 10-12 September 2009; Torreón, 16-20 March 2009

Workshops at American Medical Writers Association Annual Conferences

Medical Journalism: From Choosing a Topic Through Polishing the Piece: 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014
 Journal Submissions Other Than Scientific Papers: 1989, 1990, 1991, 1997, 2000, 2001, 2002, 2003, 2005, 2006, 2007, 2008, 2011, 2012
 The Elements of Medical Terminology: 1998, 1999, 2000, 2001, 2004, 2006, 2007, 2012, 2013, 2014
 Teaching Techniques: Theory and Practice: 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1996, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005
 Medical Mysteries/Science Through Suspense: 1996, 1997
 Medical Essays: 1995
 Teaching Medical Journalism: 1993, 1994
 How to Teach Medical Writing for the Lay Readership: 1992

Selected Other Teaching-Related Activities

Master's Degree Program in Science and Technology Journalism, Texas A&M University:
 Coordinator, 1995-1999, 2004-
 Chair of Graduate Advisory Committees of about 50 Students, 1996-
 China Medical Board Program in Biomedical Writing and Editing, 1996-2007
 Principal Consultant/US Coordinator
 Instructor: Intensive Course and Online Lessons
 Internship Placement Coordinator and Internship Host
Science Editor Magazine, 2000-2010
 Supervisor of Interns

Teaching Grants

University Scholars Mentorship Grants, Honors Program, Texas A&M University,
 Spring and Fall 2006 and Spring 2007 (\$500 per semester)
 College of Liberal Arts Honors Course Grant, Texas A&M University, 2005 (\$1,000)
 Honors Curriculum Development Grant, Texas A&M University, 1992 (\$2,000)

Teaching Awards and Nominations

2002 Class Friend Award, Class of 2002, Texas A&M College of Medicine
 1997 Graduate Student Council Faculty Excellence Award, Texas A&M University
 1989 Nomination for teaching award, UCSF School of Medicine

- 1988 Nomination for teaching award, UCSF School of Medicine
 1987 Award for Outstanding Dedication to Quality Teaching,
 presented by classes of 1989 and 1990, UCSF School of Medicine

Publications

Books

- Day RA, Gastel B. *How to Write and Publish a Scientific Paper*. 7th edition. Santa Barbara, CA: ABC-CLIO, 2011. (also published thus far in a Chinese edition)
- Day RA, Gastel B. *How to Write and Publish a Scientific Paper*. 6th edition. Westport, CT: Greenwood Press, 2006. (also published in Arabic, Chinese, Japanese, Spanish, and Turkish editions)
- Gastel B. *Health Writer's Handbook*. 2nd edition. Ames, Iowa: Blackwell Publishing, 2005.
- Gastel B. *Health Writer's Handbook*. Ames, Iowa: Iowa State University Press, 1998.
- Gastel B. *Teaching Science: A Guide for College and Professional School Instructors*. Phoenix: Oryx Press, 1991.
- Gastel B. *Presenting Science to the Public*. Philadelphia: ISI Press, 1983.

Self-Study Workshop (Workbook and CD)

- Gastel B. *Elements of Medical Terminology*. Rockville, Maryland: American Medical Writers Association, 2010.

Monographs

- Gastel B. *Chinese National Meeting on Medical Education and Research: Summary with Context*. New York: China Medical Board, 1996.
- Gastel B. *Working With Your Older Patient: A Clinician's Handbook*. Bethesda, MD: National Institute on Aging, National Institutes of Health, 1994.

Volumes Edited

- Gastel B, Hallock JA, eds. *Impact of International Medical Graduates on U.S. and Global Health Care: Proceedings of the 50th Anniversary Conference of the Educational Commission for Foreign Medical Graduates*. *Academic Medicine* 81 (Supplement to Number 12), 2006.
- Gary NE, Boelen C, Gastel B, Ayers WR, eds. *Improving the Social Responsiveness of Medical Schools*. *Academic Medicine* 74 (Supplement to Number 8), 1999.
- Gastel B, Wilson MP, Boelen C, eds. *Toward a Global Consensus on Quality Medical Education:*

Serving the Needs of Populations and Individuals. Academic Medicine 70 (Supplement to Number 7), 1995.

Schroeder SA, Schuster BL, Gastel B, eds. *New Challenges in Resident Education. Journal of General Internal Medicine* 5 (Supplement to Number 1), 1990.

Gastel B, Rogers DE, eds. *Clinical Education and the Doctor of Tomorrow*. New York: New York Academy of Medicine, 1989.

Liu YC, with Fang TY, Chen LD, translators, and Gastel B, editorial consultant. *The Essential Book of Traditional Chinese Medicine. Volume 2: Clinical Practice*. New York: Columbia University Press, 1988.

Eliastam M, Gastel B, eds. *Technology Assessment Forum on Coronary Artery Bypass Surgery: Economic, Ethical and Social Issues*. (American Heart Association Monograph Number 92.) *Circulation* 66 (Number 5, Part II), 1982.

Gastel B, Haddow JE, Fletcher JC, Neale A, eds. *Maternal Serum Alpha-Fetoprotein: Issues in the Prenatal Screening and Diagnosis of Neural Tube Defects*. Washington: U.S. Government Printing Office, 1980.

Articles

Selected Articles in Peer-Reviewed Publications

Appiah B, Gastel B, Burdine JN, Russell LH. Science reporting in Accra, Ghana: sources, barriers and motivational factors. *Public Understanding of Science* 24(1): 23-37, 2015.

Gastel B. AuthorAID: an international service and chance to serve. *Medical Writing* 22: 284-287, 2013.

Appiah B, Gastel B, Burdine JN, Russell LH. The future of science journalism in Ghana: evidence-based perspectives. *Journal of Science Communication* 11(1): C04, 2012; 5 pages. Accessible at [http://jcom.sissa.it/archive/11/01/Jcom1101\(2012\)C01/Jcom1101\(2012\)C04/Jcom1101\(2012\)C04.pdf](http://jcom.sissa.it/archive/11/01/Jcom1101(2012)C01/Jcom1101(2012)C04/Jcom1101(2012)C04.pdf). 2012.

Gastel B. Impact of international medical graduates on U.S. and global health care: summary of the ECFMG 50th anniversary international conference. *Academic Medicine* 81 (Supplement to Number 12): S3-S6, 2006.

Gastel B. Concurrent sessions: exploring issues relating to international medical graduates. *Academic Medicine* 81 (Supplement to Number 12): S63-S68, 2006.

Gastel B. Hosting a biomedical communication intern: from idea through implementation. *AMWA [American Medical Writers Association] Journal* 21: 97-101, 2006.

Gastel B. Publishing excellent conference reports: editors and reporters share advice. *Science Editor* 25: 118-121, 2002.

Whalen E, Gastel B. Science editing and caregiving: experience and guidance. *Science Editor* 24: 114-119, 2001.

Gastel B. 1999 Council of Biology Editors Annual Meeting. [Conference summary.] *Serials Review* 25(4): 7-10, 1999.

Gastel B. Summer reading for science editors. *CBE Views* 22: 76-78, 1999.

Gastel B. Improving the social responsiveness of medical schools: summary of the conference. *Academic Medicine* 74 (Supplement to Number 8): S3-S7, 1999.

Gastel B. Gifts for and from editors: thoughts from CBE members. *CBE Views* 21: 206-207, 1998.

Gastel B. Medical writers' delegation visits Russia, Estonia. *CBE Views* 21: 90, 1998.

Gastel B. Teaching key groups to communicate science to nonspecialists. *CBE Views* 20(3): 82-85, 1997.

Gastel B, Moore JE. Resources on popular science communication. *CBE Views* 20(3): 96-99, 1997.

Gastel B. Medical writers' visit to China and Mongolia: delegation leader's diary. *AMWA Journal* 11(2): 19-25, 1996.

Gastel B. Biomedical editing in China and Mongolia: glimpses from a recent visit. *CBE Views* 19(2): 3-5, 1996.

Gastel B. Toward a global consensus on quality medical education: serving the needs of populations and individuals: summary of the consultation. *Academic Medicine* 70 (Supplement to Number 7): S3-S7, 1995.

Acuff GR, Albanese RA, Batt CA, Berndt DL, Byers FM, Dale BE, Denton JH, Fuchs RL, Gastel B, Heidelbaugh ND, Ivie GW, Kendall K, Kopchick JJ, Lewis DH, McCasland FV, Menning EL, Phillips TD, Potter ME, Rodricks JV, Scholl DR, Shaddock JA, Tarnowski SJ, Tillotson JE, Van Dresser WR, Womack JE. Implications of biotechnology, risk assessment, and communications for the safety of foods of animal origin. *Journal of the American Veterinary Medical Association* 199: 1714-1721, 1991.

Gastel B. A strategy for reviewing books for journals. *BioScience* 41: 635-637, 1991. (Reprinted: *CBE Views* 16: 50-52, 1993; *Plant Science Bulletin* 40: 79-81, 1994.)

Gastel B. A menu of approaches for evaluating your teaching. *BioScience* 41: 342-345, 1991.

Gastel B. An award program for teaching excellence. *Academic Medicine* 66: 192-193, 1991.

Gastel B. Book reviewing: confessions, commendations, and cravings of an addict. *CBE Views* 14: 3-6, 1991.

Gastel B, Weng YQ. Medical journals in China. *Annals of Internal Medicine* 112: 70-72, 1990.

Gastel B. Writing for *HMO Practice*. *HMO Practice* 3: 158-160, 1989.

Gastel B. Teaching biomedical communication in China: reflections on two years' experience. *CBE Views* 10: 19-21, 1987.

Gastel B (with Chien SC, translator). (Article on writing scientific papers.) *JAMA (Chinese edition)* 6: 309-310, 1987.

Gastel B (with Chien SC, translator). Notes on biomedical communication. 1. Some introductory comments. 2. Writing clearly in English. *JAMA (Chinese edition)* 5: 66-68, 1986.

Gastel B. Abel and onward: some early history of hemodialysis. *Medical Instrumentation* 20: 62-64, 1986.

Gastel B, Jaffe ER. Research in hematology: progress and promise. *Blood* 62: 932-936, 1983.

Gastel B, Cornoni-Huntley J, Brody JA. Estrogen use and postmenopausal women: a basis for informed decisions. *Journal of Family Practice* 11: 851-860, 1980.

Gastel B, Brody JA. The use of estrogens by postmenopausal women: a review of the issues. *Journal of Clinical and Experimental Gerontology* 1: 217-229, 1979.

Butler RN, Gastel B. Aging and cancer management. Part II: research perspectives. *Ca--A Cancer Journal for Clinicians* 29: 333-340, 1979.

Butler RN, Gastel B. Hearing and age: research challenges and the National Institute on Aging. *Annals of Otology, Rhinology and Laryngology* 88: 676-683, 1979.

Gastel B. Measles: a potentially finite history. *Journal of the History of Medicine and Allied Sciences* 28: 34-44, 1973.

Selected Other Pieces for Professional Readerships

Gastel B. Alerting students to what's different about magazine writing. *Magazine Matter* 30(4): 4, 2012.

Gastel B. Writing and publishing journal articles: from typewriters and postal deliveries to electronic everything. *Johns Hopkins Public Health* (online extra), Special Issue 2012. Available at: http://magazine.jhsph.edu/2012/technology/online_extras/alumni_dispatches/barbara_gastel/.

Gastel B. Amplifying impact: AuthorAID's train-the-trainer workshops. *INASP Newsletter* (44): 2-3, 2011.

Gastel B. Satisfactions of science editing: experienced manuscript editors reflect. *Science Editor* 34: 47-48, 2011.

Gastel B. Editing *Science Editor*: a look back. *Science Editor* 33: 148-149, 2010.

Gastel B. Teaching biomedical writing internationally. *Johns Hopkins Public Health* (online extra), Fall 2009. Available at:
http://magazine.jhsph.edu/2009/fall/online_extras/alumni_dispatches/barbara_gastel/index.html.

Kanel S, Gastel B. Careers in science editing: an overview to use or share. *Science Editor* 31: 18-22, 2008.

Gastel B. A science-editing course for graduate students. *Science Editor* 30: 59-60, 2007.

Gastel B. Medical journalism do's and don'ts: tips for successful reporting and writing. *AMWA Journal* 18(4): 177-178, 2003.

Gastel B. Science editing in America: an overview. (Part 2.) *Science-Technology & Publication* [Beijing] (5): 60-63, 2003.

Gastel B. Science editing in America: an overview. (Part 1.) *Science-Technology & Publication* [Beijing] (4): 58-61, 2003.

Gastel B, Scroggs J. Student gives new meaning to "write concise." *ScienceWriters* 52(3): 14, Summer 2003.

Gastel B. Helping reporters get it right. *The Scientist* 16(13): 43, 2002.

Gastel B. Guide published for reviewers of research manuscripts. *Science Editor* 25: 46-48, 2002.

Gastel B. From the Los Alamos Preprint Archive to the arXiv: an interview with Paul Ginsparg. *Science Editor* 25: 42-43, 2002.

Gastel B. Authorship task force holds third retreat, concludes activities. *Science Editor* 25: 17-18, 2002.

Gastel B. Editors of science magazines and news sections speak at science writing association workshops. *Science Editor* 23: 126, 2000.

Gastel B. Focus on programs: Texas A&M. *Sciphers* 19(4): 1-2, 1999.

Gastel B. Authorship conference accompanies annual meeting. *CBE Views* 22: 157-158, 1999.

Gastel B. 1999 NASW Workshops: some highlights. *CBE Views* 22: 82-83, 1999.

Gastel B. Scientific publishing in the year 2020: a report from the AAAS annual meeting. *CBE Views* 22: 119, 1999.

Gastel B. Neuroscience group issues ethical guidelines for communication of science. *CBE Views* 22: 79-80, 1999.

- Gastel B. AESE-CBE-EASE joint meeting: drawing on diversity. *CBE Views* 22: 16-17, 1999.
- Gastel B. Graduate study in science communication: an option for now or later. *National ACTION* (published by the American Association of Agricultural Communicators of Tomorrow) 16(3): 1, 4, 1997.
- Stout JP, Gastel B. Leadership through literature. *New Teacher Advocate* 1(4): 4, 1994.
- Gastel B. Hospitals and *Hospitals*: evolving together. *Hospitals* 67(10): 64, 1993.
- Gastel B. The EIS Course in Basic Epidemiology and Statistics: a resource for teachers of preventive medicine. *Perspectives on Prevention* 1(4): 37-39, 1987.
- Gastel B. Science and the media: a view from across the Atlantic. *Earth & Life Science Editing* (24): 3-4, 1985.
- Gastel B. Hopkins M.D. teaches Western-style communication in China. *Hopkins Medical News* 9(1): 14, 1985.
- Gastel B. Migraine: differential diagnosis. *Aches & Pains* 2(5): 6-8, 10-12, 1981.
- Gastel B. Nerve blocks. *Aches & Pains* 2(3): 29-30, 32-33, 1981.
- Perry S, Gastel B. The National Center for Health Care Technology: an overview. *The Ligand Review* 2(3): 39-42, 1980.
- Gastel B. Maternal serum alpha-fetoprotein: issues in the prenatal screening and diagnosis of neural tube defects. Conference summary report. *The Ligand Review* 2(3): 34-36, 1980.
- (also many reports in *Science Editor* on sessions at Council of Science Editors annual meetings)

Selected Articles for the Public

- Gastel B. Fond farewell concert: a conversation with BV Chorale Director Jess Wade. *Insite* 2013 April: 11-13.
- Gastel B. A healthy history: book by Bryan doctor looks back at medicine in Brazos County. *Insite* 2002 April: 19-20 ff.
- Gastel B. Harmony in Diversity: The Brazos Valley Chorale. *Insite* 2001 August: 14-18.
- Gastel B. The Brazos Valley Symphony Orchestra: a community within the community. *Insite* 1994 March: 10-12.
- Gastel B. Orchestra sings with youthful spirit. *Bryan-College Station Eagle* 1993 December 16: B1.
- Gastel B. Fish bites man, lives to tell about it. *Field & Stream* (West Edition) 1993 October: 57.

- Gastel B. (Series of 10 opinion columns.) *The Battalion*, Summer 1992.
- Gastel B. Attacking heart disease: seminar to tell women how to reduce risks. *Bryan-College Station Eagle* 1991 September 29: D2.
- Gastel B. Alzheimer's disease. In: *Health & Medical Horizons* 1984. New York: Macmillan, 1984: 214-215.
- Gastel B. Arthritis update: progress and promise. *Woman's World* 1983 March 22: 12.
- Gastel B. Aging and the aged. In: *Health & Medical Horizons* 1983. New York: Macmillan, 1983: 176-179.
- Gastel B. The body's diet barrier. *Woman's World* 1982 December 21: 12.
- (Gastel B.) Urinary tract infections in women. *Harvard Medical School Health Letter* 1982 December: 1-2, 5.
- Gastel B. Women are the real tough guys. *Woman's World* 1982 June 15: 12.
- Gastel B. Test-tube babies. *Woman's World* 1982 March 16: 12.
- Gastel B. Aging and the aged. In: *Health & Medical Horizons* 1982. New York: Macmillan, 1982: 172-175.
- Gastel B. Winning the fight against cancer. *Woman's World* 1981 October 20: 16-17.
- Gastel B. Arthritis: new hopes against an age-oldcrippler. *Woman's World* 1981 September 29: 16-17.
- Gastel B. Infertility: hope for men, too. *Woman's World* 1981 September 15: 16-17.
- Gastel B. Overcoming infertility: new hope for women. *Woman's World* 1981 July 7: 16-17.
- Gastel B. Dispelling myths about menstruation. *Woman's World* 1981 March 17: 16-17.
- Gastel B, Hecht A. Estrogens: another riddle for middle age. *FDA Consumer* 1980 November: 12-15.
- Gastel B. Protecting the outer you. *Ladycom* 1980 October: 66, 68.
- Clark M, Gastel B. Saving coma victims. *Newsweek* 1978 September 4: 54.
- Clark M, Gastel B. New hope for barren women. *Newsweek* 1978 August 7: 70-71.
- Gwynne P, Clifton T, Hager M, Begley S, Gastel B. All about that baby. *Newsweek* 1978 August 7: 66-72.
- Clark M, Hager M, Gastel B. Cancer and our diet. *Newsweek* 1978 July 24: 85-86.

Gwynne P, Collings A, Gastel B. The test-tube baby. *Newsweek* 1978 July 24: 76.

Notes, Comments, etc.

Gastel B. (Blog on scientific communication for the AuthorAID project.) Several hundred posts, 2007-. Available at: <http://www.authoraid.info/news>.

Gastel B. (Columns from the editor.) Various issues of *CBE Views* and *Science Editor*: 1998-2010 .

Gastel B. Snowstorm triggers flurry of great Buffalo memories. (Column.) *The Buffalo News* 2002 January 31.

Gastel B. Assessing the impact of investigators' work: beyond impact factors. (Editorial.) *Canadian Journal of Anesthesia* 48: 941-945, 2001.

Gastel B. Triage. (Poem.) *AMWA Journal* 8(1): 26, 1993.

Gastel B. Teacher definition. (Reply to letter regarding "An award program for teaching excellence.") *Academic Medicine* 66: 681, 1991.

Murphy DG, Gastel B. The National Institute on Aging and dermatologic research. *Journal of the American Academy of Dermatology* 2: 341, 1980.

Murphy DG, Gastel B. A call for dermatologic research on aging. *International Journal of Dermatology* 19: 326, 1980.

Gastel B, Cornoni-Huntley J, Brody JA. (Letter.) Pros and cons of estrogen-replacement therapy. *New England Journal of Medicine* 302: 296, 1980.

Chapters

Gastel B. Editing within the pure sciences. In: Murphy AJ, ed. *New Perspectives on Technical Editing*. Amityville, NY: Baywood Press, 2010: 127-153.

Gastel B. Journal submissions other than scientific papers. In: Witte FM, Taylor ND, eds. *Essays for Biomedical Communicators: Volume 1 of Selected AMWA Workshops*. Rockville, MD: American Medical Writers Association, 2001: 141-146.

Woodford FP, Gastel B. Communicating science to the lay public. In: Woodford FP. *How to Teach Scientific Communication*. Reston, VA: Council of Biology Editors, 1999: 118-129.

Gastel B. Teaching techniques: theory and practice. In: Witte FM, Taylor ND, eds. *Essays for Biomedical Communicators: Volume 2 of Selected AMWA Workshops*. Bethesda, MD: American Medical Writers Association, 1997: 212-221.

Gastel B. *Health*. In: Endres KL, Lueck TL, eds. *Women's Periodicals in the United States: Consumer*

Magazines. Westport, CT: Greenwood Press, 1995: 143-147.

Gastel B. *Hospitals & Health Networks*. In: Endres KL, ed. *Trade, Industrial, and Professional Periodicals of the United States*. Westport, CT: Greenwood Press, 1994: 210-216.

Gastel B. *Contemporary Pediatrics*. In: Endres KL, ed. *Trade, Industrial, and Professional Periodicals of the United States*. Westport, CT: Greenwood Press, 1994: 149-153.

Gastel B. Journal submissions other than scientific papers. In: Minick P, ed. *Biomedical Communication: Selected AMWA Workshops*. Bethesda, MD: American Medical Writers Association, 1994: 139-142.

Gastel B. Medical science and technology. In: Sides CH, ed. *Technical and Business Communication: Bibliographic Essays for Teachers and Corporate Trainers*. Urbana, IL, and Washington, DC: National Council of Teachers of English and Society for Technical Communication, 1989: 341-353.

Gastel B. Appendices C (Suggested curriculum vitae format), D (Writing letters), E (Common medical terms to practice pronouncing), G (Making an oral presentation), and H (Attending scientific conferences in the West). In: Pillsbury B. *Medical Learning in North America: A Handbook for Chinese Visiting Scholars in the United States and Canada*. San Francisco: United States-China Educational Institute, 1986: 108-110, 112-116, 118-122, 136-147, 149-150.

Butler RN, Gastel B. Care of the aged: perspectives on pain and discomfort. In: Ng LKY, Bonica JJ, eds. *Pain, Discomfort, and Humanitarian Care*. New York: Elsevier North Holland, 1980: 297-311.

Gastel B. Aging healthfully—your body. In: *Everywoman's Health*. Garden City, NY: Doubleday, 1980: 442-465.

Encyclopedia Entries

Gastel B. Career paths, medical writing/medical journalism. In: Priest SH, ed. *Encyclopedia of Science and Technology Communication*. Thousand Oaks, California: SAGE Publications, 2010: 111-113.

Gastel B. Medical journalism. In: Priest SH, ed. *Encyclopedia of Science and Technology Communication*. Thousand Oaks, California: SAGE Publications, 2010: 473-475.

Book and Other Reviews (Selected)

The Story Within: Personal Essays on Genetics and Identity. *Annals of Behavioral Science and Medical Education* 20(2): 45-46, 2014.

A History of the Present Illness: Stories. *Annals of Behavioral Science and Medical Education* 20(2): 44-45, 2014.

Crash: A Mother, a Son, and the Journey from Grief to Gratitude. *Annals of Behavioral Science and Medical Education* 19(2): 44, 2013.

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Twelve Breaths a Minute: End-of-Life Essays. *Annals of Behavioral Science and Medical Education* 18(1): 55-56, 2012.

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Climate Chaos: Your Health at Risk: What You Can Do to Protect Yourself and Your Family. *Science Communication* 30: 415-417, 2009.

Narrative Matters: The Power of the Personal Essay in Health Policy. *Science Editor* 31: 54, 2008.

Dictionary of Medical Biography. *New England Journal of Medicine* 357: 1166, 2007.

An Introduction to Clinical Emergency Medicine. *AMWA Journal* 22: 38, 2007.

Embargoed Science. *Science Editor* 30: 22-23, 2007.

The Great Stink of Paris and the Nineteenth-Century Struggle against Filth and Germs. *New England Journal of Medicine* 355: 2051, 2006.

Scientific Style and Format: The CSE Manual for Authors, Editors, and Publishers. *Science Communication* 28: 274-277, 2006.

A Field Guide for Science Writers. 2nd ed. *Science Editor* 29: 160-161, 2006.

Pentothal Postcards. *New England Journal of Medicine* 353: 2414-2415, 2005.

The Elements of International English Style. *Science Editor* 28: 160-161, 2005.

Ideas into Words: Mastering the Craft of Science Writing. *Science Editor* 27: 93-94, 2004.

Mavericks, Miracles, and Medicine: The Pioneers Who Risked Their Lives to Bring Medicine into the Modern Age. *New England Journal of Medicine* 350: 91-92, 2004.

Writing, Speaking, and Communication Skills for Health Professionals. *Science Editor* 26: 97-98, 2003.

Complications: A Surgeon's Notes on an Imperfect Science. *Science Editor* 25: 201-202, 2002.

The Best American Science Writing 2000 and The Best American Science and Nature Writing 2000. *Science Editor* 24: 199-200, 2001.

Writing in the Sciences: Exploring Conventions of Scientific Discourse. *Science Editor* 23: 18, 2000.

Improve, Perfect, and Perpetuate: Dr. Nathan Smith and Early American Medical Education. *New England Journal of Medicine* 340: 1601, 1999.

Her-2: The Making of Herceptin, a Revolutionary Treatment for Breast Cancer. *CBE Views* 22: 87-88, 1999.

What Do Authors Do? (children's book). *CBE Views* 22: 52, 1999.

Medical Meanings: A Glossary of Word Origins. *CBE Views* 21: 122, 1998.

The Best Intentions: Unintended Pregnancy and the Well-Being of Children and Families and Dubious Conceptions: The Politics of Teenage Pregnancy. *Orgyn* 8(4): 55-56, 1997.

Successful Scientific Writing: A Step-by-Step Guide for Biomedical Scientists. *CBE Views* 19: 157, 1996.

Evaluating Women's Health Messages: A Resource Book. *New England Journal of Medicine* 335: 359, 1996.

On Being a Doctor. *CBE Views* 18: 98, 1995.

Women's Health--Missing from U.S. Medicine. *New England Journal of Medicine* 332: 1386-1387, 1995.

A Short Guide to Writing About Biology. 2nd ed. *BioScience* 44: 621-622, 1994.

Sentinel for Health: A History of the Centers for Disease Control. *New England Journal of Medicine* 328: 671, 1993.

Communicating Science: A Handbook. *American Scientist* 81: 200, 1993.

Philip Morrison's Long Look at the Literature: His Reviews of a Hundred Memorable Science Books. *CBE Views* 14: 99-100, 1991.

Reporting Science: The Case of Aggression. *Journalism Quarterly* 67: 1142-1143, 1990.

News and Numbers: A Guide to Reporting Statistical Claims and Controversies in Health and Related Fields; and Health Risks and the Press: Perspectives on Media Coverage of Risk Assessment and Health. *New England Journal of Medicine* 322: 560, 1990.

Shaping Written Knowledge: The Genre and Activity of the Experimental Article in Science. *CBE Views* 12: 70, 1989.

Writing Papers in the Biological Sciences; The Basics of Technical Communicatng; and Writing for Your Peers: The Primary Journal Paper. *BioScience* 39: 401-402, 1989.

Learning to Heal: The Development of American Medical Education. *BioScience* 37: 358-359, 1987.

The Loss of Self: A Family Resource for the Care of Alzheimer's Disease and Related Disorders. *New York Times Book Review* March 23: 47, 1986.

Journal of General Internal Medicine. *American College of Physicians Observer* March: 18-19, 1986.

Paul Ehrlich: Scientist for Life. *BioScience* 35: 668, 1985.

Encounters with Qi: Exploring Chinese Medicine. *New York Times Book Review* October 13: 16, 1985.

Presentation of Data in Science. *Chinese Medical Journal* 98: 310, 1985.

Heart Attacks (film). *Science Books & Films* November/December: 112, 1983.

The Disease Detectives: Deadly Medical Mysteries and the People Who Solved Them; and A Virus of Love and Other Tales of Medical Detection. *New England Journal of Medicine* 309: 864-865, 1983.

Salt: The Hidden Threat (film). *Science Books & Films* May/June: 291, 1983.

The Hunt for the Legion Killer (film). *Science Books & Films* January/February: 164, 1983.

High Blood Pressure: What It Means to You, and How to Control It. *Science Books & Films* January/February: 139, 1983.

A Celebration of Medical History. *New England Journal of Medicine* 307: 322, 1982.

Sex Education in the Eighties: The Challenge of Healthy Sexual Evolution; Children and Sex: New Findings, New Perspectives; and Sexual Expression: A Manual for Trainers. *New England Journal of Medicine* 306: 1243, 1982.

Sourcebook of Medical Communication. *New England Journal of Medicine* 306: 377, 1982.

Traveling Healthy: A Complete Guide to Medical Services in 23 Countries. *Ladycom* June: 17, 1981.

Writing for Communication in Science and Medicine. *Johns Hopkins Medical Journal* 147: 202-203, 1980.

Medicine and Literature. *Forum on Medicine* 3: 486-487, 1980.

Aging, Death, and the Completion of Being. *Forum on Medicine* 2: 635, 638, 1979.

Psychiatry for Students of Medicine. *Johns Hopkins Medical Journal* 140: 327-328, 1977.

(also multiple reviews in *Appraisal: Science Books for Young People*)

Professional and Service Activity (Selected)

Intramural

Texas A&M University

University

- 2013- Member, Faculty Development Leave Committee
 2006- Member, W and C (Writing and Communication) Course Advisory Committee
 1990-98, 1999-2002, 2006- Member, Texas A&M University Press Faculty Advisory Committee

College of Veterinary Medicine and Biomedical Sciences

- 2007- Member, Communications Advisory Team
 2005-2009 Admissions Interviewer
 2005-2006 Member, Editorial Advisory Board, *CVM Today*

Department of Journalism

- 2001-2004 Associate Head
 1999-2001 Interim Head
 1991-1999 Assistant Head

Other

- 2010- Advisor, Multicultural Awareness Program (Student Activity), College of Medicine
 1992- Admissions Interviewer, College of Medicine
 2005-2010 Advisor, Aggie Book Club
 2008-2009 Faculty Advisory Board Member, *Explorations: The Texas A&M Undergraduate Journal*
 2001-2009 Member, Executive Committee, Faculty for the Professional Program in Biotechnology
 1996-2005 Advisor, *Texas A&M University Undergraduate Journal of Science*
 1991-2005 Member, Student Publications Board/Student Media Board

University of California, San Francisco School of Medicine

- 1985-1989 Member, Editorial Board, *UCSF Magazine*
 1985-1989 Advisor to various student committees providing feedback on teaching and presenting teaching awards

Massachusetts Institute of Technology

- 1982-1983 Advisor to all writing concentrators (minors)
 1982-1983 Premedical advisor
 1982-1983 Freshman advisor

Extramural

Service on Advisory Boards

2001-2003 Member, National Research Council Board on Life Sciences

Summer Fellowships

1986 Association of Teachers of Preventive Medicine fellowship to evaluate Epidemic Intelligence Service Course in Basic Epidemiology and Statistics, Centers for Disease Control

1978 American Association for the Advancement of Science mass media fellowship, *Newsweek* magazine

Review of Manuscripts and Related Items

journals: *American Journal of Epidemiology*, *American Journal of Preventive Medicine*, *Annals of Internal Medicine*, *Emerging Infectious Diseases*, *JAMA: Journal of the American Medical Association*, *Journal of Health Communication*, *Journal of Public Health Policy*, *Journalism and Mass Communication Educator*, *Journalism and Mass Communication Monographs*, *Lancet*, *New England Journal of Medicine*, *Public Understanding of Science*, *Science Communication*, *Technical Communication Quarterly*, *Technology and Culture*

book publishers: Allyn and Bacon, Cambridge University Press, Council of Biology Editors, Harvard University Press, ISI Press, Mayfield Publishing Company, McGraw-Hill Book Company, Oryx Press, Oxford University Press, Routledge (Taylor and Francis), Texas A&M University Press, University of Toronto Press, Wiley-Blackwell Publishing

conferences: American Medical Writers Association annual conference, Association for Education in Journalism and Mass Communication annual convention

granting agencies: International Network for the Availability of Scientific Publications, Smithsonian Institution, University of Alaska Coastal Marine Institute, Washington Sea Grant Program, The Wellcome Trust

Contest Judging

2012- Association of Health Care Journalists Awards for Excellence in Health Care Journalism

2008- Arnold P. Gold Foundation Humanism in Medicine Essay Contest

Consulting

Consultant, teaching of scientific communication, Universidad Nacional Autónoma de México, 2013-
Webinar presenter, Principal Investigators Association, 2013-

Webinar presenter (largely of webinars for CDC), InQuill Medical Communications, 2011-

Editorial consultant, Cactus Communications, Mumbai, India, 2011

Editorial consultant, American Psychological Association *Clinician's Research Digest*, 1993-2000

Editorial consultant, *Journal of the Formosan Medical Association*, Taiwan, 1991-92

Education consultant, National Taiwan University College of Medicine, Taiwan, 1991-92

Consultant on science communication, International Crops Research Institute for the Semi-Arid Tropics, India, 1986

Delegations Led

Medical writers delegation to Russia and Estonia (under auspices of People to People Citizen Ambassador Program), 1997

Medical writers delegation to China and Mongolia (under auspices of People to People Citizen Ambassador Program), 1995

Memberships in Scholarly and Professional Societies

American Association for the Advancement of Science

(Chair, Section on General Interest in Science and Engineering, 2008-2009)

American Medical Writers Association

(Member, Executive Committee, 1992-1994 and 2003-2004)

Association of Health Care Journalists

(Chair, Conference Program Planning Committee, 2000-2001)

(Member, Board of Directors, 1999-2001)

Council of Science Editors (formerly Council of Biology Editors)

(Member, Board of Directors, 1994-1997)

National Association of Science Writers

World Association of Medical Editors (WAME)