

HENRY H. BAUER

Professor Emeritus of Chemistry & Science Studies
Dean Emeritus of Arts & Sciences
Virginia Polytechnic Institute & State University
("VPI", "VPI&SU", "Virginia Tech")

207 Woods Edge Court
Blacksburg VA 24060-4015
(540) 951-2107
hhbauer@vt.edu

www.henryhbauer.homestead.com

blogs: <http://hivskeptical.wordpress.com>

<http://scimedsketpical.wordpress.com>

Born 16 November 1931 in Vienna (Austria)
Resident of Australia 1939-56 & 1958-65; Australian citizen 1945-69
Resident of U.S.A. 1956-58 & 1965-date; U.S. citizen since 1969
Married. Children: Helen Codron, Judy Bauer

Education

The Sydney Boys' High School (Dux, 1947)
Degrees from The University of Sydney (all in chemistry):
B.Sc.(1st class honours) 1952; M.Sc. 1953; Ph.D. 1956
Postdoctoral, University of Michigan, 1956-58

Institutional Affiliations

1978-99 **Virginia Polytechnic Institute & State University:** Professor of Chemistry & Science Studies;
1993--99 Editor, *Virginia Scholar*; <http://filebox.vt.edu/faculty/aaup/index4.html>
1978-86, Dean, College of Arts & Sciences
1979 Founding member, Center for the Study of Science in Society
1966-78 **University of Kentucky:** Professor (Associate Professor, 1966-69), Department of Chemistry
Summer 1974, **Rikagaku Kenkyusho (Tokyo):**
Visiting Professor, Japan Society for the Promotion of Science
1972-73, **University of Southampton:** Visiting Professor, Department of Chemistry
1965-66 **University of Michigan:** Visiting Scientist, Department of Chemistry
1958-65 **The University of Sydney:** Lecturer to Senior Lecturer, Department of Agricultural Chemistry

Selected Present and Former Professional Activities

Rethinking AIDS (2009- ; Board Member)
Society for Scientific Exploration (founding member; sometime councilor; Book Review Editor, *Journal of Scientific Exploration*, 1992-96; Editor-in-Chief, 2000-2007)
National Association of Scholars; Virginia Association of Scholars (editor, *Virginia Scholar*, 1993-99; sometime Board of Directors, president, South-West Virginia chapter)
Center for Scientific Anomalies Research; International Society of Cryptozoology (charter member)

Selected Honors & Awards

Tim Dinsdale Award, Society for Scientific Exploration, 2012; Sydney S. Negus Memorial Lecturer, Virginia Academy of Science, 1984; Honored Companion, Loch Ness Explorers, 1978; Visiting Professor, Japan Society for the Promotion of Science, 1974; University of Kentucky Research Foundation Award, 1974; Australia-America Foundation travel grant, 1965; Fulbright post-doctoral travel grant, 1956; [*Australia, University of Sydney*]: C.S.I.R.O. fellowship, 1952-54; Frank Dixon Scholarship in Chemistry (1951), Commonwealth Scholarship (1951), University Bursary and Exhibition (1948-50). Under-16 chess champion, New South Wales (1946).

Selected Listings:

Who's Who in America since 41st ed., 1980; American Men & Women of Science since 1971; Who's Who in the South & Southwest since 14th ed.; Contemporary Authors, vol. 149.

BOOKS

(reviews of these books are listed in the second-last section of this C.V.)

SCIENCE IS NOT WHAT YOU THINK: How It Has Changed, Why We Can't Trust It, How It Can Be Fixed
Jefferson (NC): McFarland 2017 *WorldCat count 76 print, 35 ebook*

DOGMATISM IN SCIENCE AND MEDICINE: How Dominant Theories Monopolize Research and Stifle the Search for Truth
Jefferson (NC): McFarland 2012 *WorldCat count 162 print, 68 ebook*

THE ORIGIN, PERSISTENCE AND FAILINGS OF HIV/AIDS THEORY
Jefferson (NC): McFarland 2007 *WorldCat count 150*

FATAL ATTRACTIONS: THE TROUBLES WITH SCIENCE
New York: Paraview Press 2001 *WorldCat count 71*

SCIENCE OR PSEUDOSCIENCE: MAGNETIC HEALING, PSYCHIC PHENOMENA, AND OTHER HETERODOXIES
Urbana & Chicago: University of Illinois Press 2001; **paperback edition, 2004** *WorldCat count 465*

SCIENTIFIC LITERACY AND THE MYTH OF THE SCIENTIFIC METHOD
Urbana & Chicago: University of Illinois Press 1992, ix + 180 pp.; **2nd printing 1992**
In **Cassette Book** format, RC 35437, narrated by K. D. Henry, **1992**
Paperback edition, 1994 *WorldCat count 852*

TO RISE ABOVE PRINCIPLE: THE MEMOIRS OF AN UNRECONSTRUCTED DEAN
Urbana & Chicago: University of Illinois Press 1988, xviii + 180 pp. (under the pen-name 'Josef Martin')
Second edition with added material, Wipf & Stock, 2012 *WorldCat count 400*

THE ENIGMA OF LOCH NESS: MAKING SENSE OF A MYSTERY
Urbana & Chicago: University of Illinois Press 1986, xiii + 243 pp.; **2nd printing 1987**
Paperback edition (with minor revisions), **1988**.
In **Cassette Book** format, RC 25592, narrated by Richard Dorf, **1988**
U.K. edition, Stirling (Scotland): Johnston & Bacon **1991**, xv + 189 pp.
Re-issued by Wipf & Stock, **2012** *WorldCat count 816*

BEYOND VELIKOVSKY: THE HISTORY OF A PUBLIC CONTROVERSY
Urbana & Chicago: University of Illinois Press 1984, xiii + 354 pp.
Paperback edition, **1999**. *WorldCat count 496*

INSTRUMENTAL ANALYSIS by Henry H. Bauer, Gary D. Christian & James E. O'Reilly (eds.)
Boston etc.: Allyn & Bacon 1978, ix + 832 pp.
Italian edition (ANALISI STRUMENTALE), Padua: Piccin Nuova Libreria **1985**, xii + 820 pp.
(an upper-level textbook) *WorldCat count 407 + 22 Italian*

ELECTRODICS—MODERN IDEAS CONCERNING ELECTRODE REACTIONS
Stuttgart: Georg Thieme 1972, ix + 131 pp.
Japanese translation by Reita Tamamushi & Gen P. Sato, Tokyo Kagaku Dozin **1976**, ix + 192 pp.
(an upper-level textbook) *WorldCat count 250*

ALTERNATING CURRENT POLAROGRAPHY AND TENSAMMETRY by B. Breyer & H. H. Bauer
(vol.13 of *Chemical Analysis*, edited by P. J. Elving & I. M. Kolthoff)
New York & London: Interscience 1963, xix + 288 pp.
(a research monograph) *WorldCat count 492 print, 2 ebook*

ARTICLES, CHAPTERS & ON-LINE VIDEOS & COMMENTS
in science studies, on higher education, & about HIV/AIDS
(publications in chemistry are in a later section of this C.V.)

- Foreword** (pp. 13-14), *Here's Nessie! — A monstrous compendium from Loch Ness*, Karl P. N. Shuker, CFZ Press (2016)
- Is science really evidence-based?** *EdgeScience*, 25 (2016) 3-6
- Climate-Change Science or Climate-Change Propaganda?** *Journal of Scientific Exploration*, 29, (2015) 621–636,
- Keynote Foreword** (pp. xvi-xviii), *Positively False — Exposing the Myths around HIV and AIDS — 16th Anniversary Edition*, Joan Shenton, Immunity Resource Foundation (2015)
- Misleading Notions About Science and Their Consequences**, *WISE Journal*, 4 (#2, Summer 2015), pp. 30-6
- How Medical Practice Has Gone Wrong: Causes of the Lack-of-Reproducibility Crisis in Medical Research**, *Journal of Controversies in Biomedical Research*, 1(#1, 2015):28-39; DOI: <http://dx.doi.org/10.15586/jcbmr.2015.8>
- Grundlegende theoretische Konzepte der Anomalistik (Fundamental theoretical concepts of anomalistics)**, Ch. 6 in *An den Grenzen der Erkenntnis: Handbuch der Wissenschaftlichen Anomalistik (At the Boundaries of Understanding: Handbook of Anomalistics)*, ed. Gerhard Mayer et al., Schattauer (2014)
- The Failings of Modern Medicine (Guest Editorial)**, *EXPLORE*, 10 (2014) 345-9
- Shamans of Scientism: Conjuring Certainty Where There Is None**, *Journal of Scientific Exploration*, 28 (2014) 491-504
- Clinical Trials with Surrogate Outcomes Have Brought Bad Medicine(s)**, *Journal of American Physicians and Surgeons*, 19 (#3, 2014) 82-3; <http://www.jpands.org/jpands1903.htm>
- Anomalistics, Pseudo-Science, Junk Science, Denialism: Corollaries of the Role of Science in Society**, *Journal of Scientific Exploration*, 28 (2014) 95-111
- The Science Bubble**, *EdgeScience*, #17, February 2014, 3-6;
<http://cts.vresp.com/c/?SocietyforScientific/0f424188e5/67593d1609/4ebd0c59d1>
<http://is.gd/DHn6mo>
- Evidence-Based Medicine? Wishful Thinking**, Ch. 10 (pp. 227-36) in *Science and the Citizen: Contemporary Issues and Controversies*, ed. Marco Mamone Capria; ISBN 978-1-291-44683-8
- Three Stages of Modern Science**, *Journal of Scientific Exploration*, 27 (2013) 505-13
- Preface** (pp. 19-22), *L'Invention du Virus du SIDA*; French tr. by Pol Dubart (2012) of Peter H. Duesberg, *Inventing the AIDS Virus*, Regnery (1996).
- Seeking Immortality? Challenging the Drug-Based Medical Paradigm**, *Journal of Scientific Exploration*, 26 (2012) 867-80
- HIV does not cause AIDS**, Ch. 1:2 (pp. 30-39) in *Opposing Viewpoints: AIDS* (ed. Roman Espejo), Gale – Cengage Learning (Greenhaven Press), 2012
- Clinical significance of immune-system laboratory tests**, *Italian Journal of Anatomy and Embryology* 116 (2011) 157 (by Marco Ruggiero, Stefania Pacini, Tiziana Punzi, Gabriele Morucci, Massimo Gulisano, Claus Koehnlein & HHB)
- AIDS since 1984: No evidence for a new, viral epidemic – not even in Africa**, *Italian Journal of Anatomy and Embryology* 116 (2011) 73-92 (by Peter H. Duesberg, Daniele Mandrioli, Amanda McCormack, Joshua M. Nicholson, David Rasnick, Christian Fiala, Claus Koehnlein, Henry H. Bauer & Marco Ruggiero)
- Know your numbers — At your peril**, *Journal of Scientific Exploration*, 25 (2011) 555-62
- “Denialism”: The new “pseudo-science”**, *Journal of Scientific Exploration* 24 (2011) 693-700
- Iatrogenic Harm Following “HIV” Testing**, *Journal of American Physicians and Surgeons*, 15 (#2, 2010) 42-46
- Hindrances to scientific progress and the failings of HIV/AIDS theory**, Conference on AIDS — Knowledge and Dogma, Vienna, July 2010; <http://www.science-and-aids.org/e/films.html>
- HIV does not cause AIDS**, *EdgeScience* #3, April-June 2010, pp. 6-9
- HIV tests are not HIV tests**, *Journal of American Physicians and Surgeons*, 15 (#1, 2010) 5-9
- Safety issues in didactic anatomical dissection in regions of high HIV prevalence**, *Italian Journal of Anatomy and Embryology* 114 (#4, 2009) 179-192 (by Matteo Payer Galletti & HHB)
<http://hivskeptic.files.wordpress.com/2010/06/galletti-and-bauer.pdf>
- HIV/AIDS blunder is far from unique in the annals of science and medicine**, Rethinking AIDS Conference, Oakland CA, November 2009;
http://ra2009.org/index.php?option=com_content&view=article&id=49&Itemid=54

Doing science means exploring, *EdgeScience* 1, October 2009, p. 3

Confession of an “AIDS denialist”: How I became a crank because we’re being lied to about HIV/AIDS, pp. 378-82 in *You Are STILL Being Lied To – The REMIXED Disinformation Guide to Media Distortion, Historical Whitewashes and Cultural Myths*, ed. Russ Kick (Disinformation Co., NY, 2009)

Challenges and Advantages in Researching Anomalies, *IUR – International UFO Reporter*, 32 #2 (December 2008) 3-5,18

Incongruous Age Distributions of HIV Infections and Deaths from HIV Disease: Where is the Latent Period between HIV Infection and AIDS? *Journal of American Physicians and Surgeons*, 13 (#3, 2008) 77-81

Ethics in Science, pp. 169-82 in *Against the Tide: A Critical Review by Scientists of how Physics and Astronomy Get Done*, ed. Martín López Corredoira & Carlos Castro Perelman (2008); <http://philsci-archive.pitt.edu/archive/00004046/>; Spanish edition, 2012, *A contracorriente: Un análisis crítico por científicos sobre cómo se hacen la física y la astronomía*, Common Ground Publishing España, Madrid

Questioning HIV/AIDS: Morally Reprehensible or Scientifically Warranted? *Journal of American Physicians and Surgeons*, 12 (#4, Winter 2007) 116-120

Science: Past, Present, and Future, *Journal of Scientific Exploration* 21 (#1, 2007) 141–155

The Two-Edged Sword of Skepticism: Occam’s Razor and Occam’s Lobotomy, *Journal of Scientific Exploration* 20 (#3, 2006) 421–427

Demographic Characteristics of HIV: III. Why Does HIV Discriminate by Race? *Journal of Scientific Exploration* 20 (2006) 255–88

The mystery of HIV/AIDS. *Quadrant*, July-August 2006, 61-3.

Demographic Characteristics of HIV: II. What Determines the Frequency of Positive HIV Tests? *Journal of Scientific Exploration* 20 (2006) 69–94

Demographic Characteristics of HIV: I. How Did HIV Spread? *Journal of Scientific Exploration* 19 (2005) 567–603; erratum, *ibid.*, 20 (2006) 95

Science in the 21st Century: Knowledge Monopolies and Research Cartels, *Journal of Scientific Exploration* 18 (2004) 643–660

The Progress of Science and Implications for Science Studies and for Science Policy (an essay review of *Prematurity in Scientific Discovery* by Ernest Hook (ed.); *Striking the Mother Lode in Science* by Paula E. Stephan & Sharon G. Levin; *Prometheus Bound* by John Ziman), *Perspectives on Science*, 11 (#2, 2003) 236-78

Is HIV really the cause of AIDS?, *The Anomalist*, 11 (2003) 19-21

Common Knowledge about the Loch Ness Monster: Television, Video, and Films, *Journal of Scientific Exploration* 16 (2002) 455-77

The Case for the Loch Ness Monster: The Scientific Evidence, *Journal of Scientific Exploration* 16 (2002) 225-246

‘Pathological Science’ is not Scientific Misconduct (nor is it pathological), *HYLE (International Journal for Philosophy of Chemistry, ISSN 1433-5158)*, 8 (#1, April 2002) 5-20; available on-line at <http://www.hyle.org/journal/issues/8-1/index.html>

Anomalies and Surprises, *Journal of Scientific Exploration* 15 (2001) 459–63

Linguistics (a letter about hyphens and copyediting), *American Scholar*, 70 (#2) Spring 2001, 157-58

Higher Education: What’s Wrong, *Clarion*, January/February 2000, 30-36

Students Who Refuse to Study, *Clarion*, September/October 1999, 12-23

Students Who Don’t Study, *Inside Laboratory Management*, 1 (#3, April 1997) 27-29

A Consumer’s Guide to Science Punditry; Chapter 2, (pp.22-34) in *Science Today: Problem or Crisis?* (ed. Ralph Levinson & Jeff Thomas, London & New York: Routledge, 1997

The Anti-Science Phenomenon in Science & Technology Studies, *Science Studies*, 9 #1 (1996) 34-49; **Antiscience in Current Science and Technology Studies**, chapter 2 (pp. 41-61) in Ullica Segerstråle (ed.), *Beyond the Science Wars*, Albany: State University of New York Press, 2000; pp. 48-69 in Chinese translation by Caizhong (Philosophy, Nanjing University, Nanjing 210093, Jiangsu; ca. 2007)

Cryptozoology, pp.199-214 in *Encyclopedia of the Paranormal* (ed. Gordon Stein, Amherst (NY): Prometheus Books, 1996)

Velikovsky, pp.781-88 in *Encyclopedia of the Paranormal* (ed. Gordon Stein, Amherst (NY): Prometheus Books, 1996)

Velikovsky’s Place in the History of Science, *Skeptic* (Altadena CA), 3 #4 (1995) 52-56;

Two Kinds of Knowledge: Maps and Stories, *Journal of Scientific Exploration*, 9 (1995) 257-75

“Culture Wars” (critique of book review of *Higher Superstition* by Gross & Levitt), *Science*, 265 (12 August 1994) 854

Comments on Suitbert Ertel, “Puzzling Eminence Effects Might Make Good Sense”, *Journal of Scientific Exploration*, 7 (#4, 1993) 447-48

Diversity and Identity, Keynote Address, *Proceedings of the 49th Annual Meeting of the American Conference of Academic Deans*, 1993, 27-35

- Affirmative Action at Virginia Tech: The Tail That Wagged the Dog**, *Academic Questions*, 6 (#1, Winter 1992-93) 72-84
- The Trivialization of Sexual Harassment: Lessons from the Mandelstamm Case**, *Academic Questions*, 5 (#2, Spring 1992) 55-66; follow-up letters from Abigail L. Rosenthal and Laura Bianchi, and response, in *Academic Questions*, 5 (#4, Fall 1992) 5-6; Abigail L. Rosenthal, "More on Mandelstamm" 6 (#2, Spring 1993) 9; Barry R. Gross, "In defense of a friend", p. 6
- Problems in the Scientific Study of Anomalous Experiences**, ch.1 (pp. 5-10) in Rima E. Laibow, Robert N. Sollod, & John P. Wilson (eds.), *Anomalous Experiences & Trauma: Current Theoretical, Research and Clinical Perspectives*, Dobbs Ferry (NY): Center for Treatment & Research of Experienced Anomalous Trauma, 1992
- American Epigraphy: Similarities with Other Anomalous Claims**, pp. 70-72 in James P. Whittall, Jr. (ed.), *American Epigraphy at the Crossroads*, Rowley (MA): Early Sites Research Society, 1991 (E.S.R.S. Epigraphy Series no.2)
- Physical Interpretation of Very Small Concentrations**, *Journal of Scientific Exploration*, 4 (1990) 49-53
- A Dialectical Discussion on the Nature of Disciplines and Disciplinarity**, *Social Epistemology*, 4 (1990) 215-227
- The Velikovsky Affair: Science and Scientism in Contemporary Society**, ch.7 (pp.62-70) in S. Fred Singer (ed.), *The Universe and its Origins*, New York: Paragon House 1990
- Barriers against Interdisciplinarity: Implications for Studies of Science, Technology, and Society (STS)**, *Science, Technology, & Human Values*, 15 (1990) 105-119
- Encouraging Students in Large Classes to Ask Questions: Some Promising Results from Classes in Chemistry and Sociology**, *Teaching Sociology*, 17 (1989) 337-340 [with William E. Snizek]
- Arguments over Anomalies II. Polemics**, *Journal of Scientific Exploration*, 3 (1989) 1-14
- Public Perception of the Loch Ness Monster**, *Scottish Naturalist*, 1988, 69-93
- The Velikovsky Affair**, *La Recherche*, #205 (December 1988) 1448-1455. English-language version reprinted in *AEON*, II #6 (May 1992) 75-84
- Loch Ness Odyssey**, *Snowy Egret*, 51 (#2, Autumn 1988) 8-15
- Commonalities in Arguments over Anomalies**, *Journal of Scientific Exploration*, 2 (1988) 1-11
- What do we Mean by 'Scientific'?**, *Journal of Scientific Exploration*, 1 (1987) 119-127
- Society and Scientific Anomalies: Common Knowledge About the Loch Ness Monster**, *Journal of Scientific Exploration*, 1 (1987) 51-74
- Distributions of Belief on Controversial Matters**, *Zetetic Scholar*, #12/13 (August 1987) 99-102
- The Literature of Fringe Science**, *Skeptical Inquirer*, 11 (#2, Winter 1986-87) 205-10
- Frontier Science and Textbook Science**, *Science & Technology Studies*, 4 (#3/4, 1986) 33-34
- Velikovsky and Social Studies of Science**, *4S Review*, 2 (#4, Winter 1984) 2-8
- The Loch Ness Monster: A Guide to the Literature—Supplement I**, *Zetetic Scholar*, #10 (December 1982) 26
- Velikovsky and the Loch Ness Monster: Attempts at Demarcation in Two Controversies**, *Working Papers of the Center for the Study of Science in Society (VPI&SU)*, 2 #1 (April 1983; Rachel Laudan, ed.) 87-106
- The Loch Ness Monster: Public Perception and the Evidence**, *Cryptozoology*, 1 (1982) 40-45
- The Loch Ness Monster: A Guide to the Literature**, *Zetetic Scholar*, #7 (December 1980) 30-42
- The Velikovsky Affair: Passions and Purposes—A perspective**, *Skeptical Inquirer*, V (#1, Fall 1980) 28-31; reprinted (pp.409-412) in K. Frazier (ed.), *Paranormal Borderlands of Science* (Buffalo: Prometheus 1981)
- A Guide to Successful University Administration**, *Vestes* (The Australian Universities' Review), 12 (1969) 19-29

MORE EPHEMERAL ITEMS

for a general audience

- Real Science Doesn't Squash Dissent** (letter), *Wall Street Journal*, 16 March 2015, p. A12
- Pseudo-Science in Science**, *EdgeScience*, 8 (July–September 2011) 3-4
- Critique of Natrass, "Defending the boundaries"**, *Sociology of Health & Illness*, 30 June 2011
- Democrats also reject evidence of science**, *Roanoke Times*, 30 November 2010
- The New World Order in science**, LewRockwell.com, 19 December 2009; <http://is.gd/fU88p>
- Suppression of science within science**, LewRockwell.com, 17 December 2009; <http://is.gd/fU7Uh>
- Apologies all around**, *American Scholar*, 77 (#1, Winter 2008) p. 7
- Fund drive displaces good programming**, *Roanoke Times*, 16 March 2007, p.VIRGINIA8
- Einstein Issue praise** (letter), *Infinite Energy*, 7 (2001), issue 40, p. 4
- Truth-telling in science**, VAS [Virginia Association of Scholars] On-line (Electronic newsletter on higher education in Virginia), 5 December newsletter, 27 November 2000 article
- Big-time football does not further the goals of higher education**, *Roanoke Times*, 13 January 2000, A17
- Faculty members should have a say** (letter), *Roanoke Times*, 10 May 1998, p.HORIZON 2
- In Response** (to Paul A. Trout, "What the numbers mean"), *Change*, September/October 1997, p.26
- The research university of the future** (guest editorial), *Research – Virginia Tech*, Winter 1997
- Velikovsky's place clarified**, *The Skeptic*, 4 #2 (1996) 27-8 (response to "Velikovsky a catastrophe" by James Randi; "Velikovsky no benefit" by David Morrison, 4 #1, 20-21)

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Torgersen made the right decision (letter), *Roanoke Times* 11 December 1995
Students' bad attitudes (letter), *Chemical & Engineering News* 7 August 1995, 5
About Project ENABLE (letter), *Spectrum* (VPI&SU) 2 March 1995, 3
Ethical research, *Chemical & Engineering News*, 9 January 1995, 2-3
"Culture Wars" (letter), *Science*, 12 August 1994, 265: 853-54
Antagonism toward science, *IUR*, May-June 1994, 18
PC: Threat to Science? (letter), *Academic Questions* 6 (#4, Fall 1993) 5-6; comments from Harry Rubin and David G. Stork, with response, "Political distortions of science", (7 #2, Spring 1994) 7-11; Paul R. Gross & Norman Levitt, "The natural sciences: Trouble ahead? Yes", pp. 13-29
Bringing home the bacon for Tech, *Roanoke Times & World-News*, 20 August 1993, A10
By any other name (letter), *The Scientist*, 16 March 1992, 12
Orwell's 'Animal Farm' plagiarized (letter), *Roanoke Times & World-News*, 31 January 1992, A8
Visigoths in tweed (letter), *Crisis*, November 1991, 12
Nomadic scientists, *The Scientist*, 14 October 1991, 12
The National Association of Scholars, *Spectrum* (VPI&SU), 2 May 1991, 3
Elusive pursuits (letter), *International UFO Reporter*, May/June 1991, 20
Extraterrestrial UFOs: a respectable idea? (comment), *Journal of UFO Studies*, n.s.2 (1990) 177-78
When will we find the Loch Ness Monster?, *Leaders*, 13 (no.4), October-December 1990, 38-9
Lyric inadequate, *Collegiate Times* (VPI&SU), 5 October 1990
"To Rise Above Principle": what Josef Martin didn't say, *Spectrum* (VPI&SU), 27 September & 4 October 1990 (both p.3)
Different cultures (letter), *The Scientist*, 2 October 1989, 13
Pay raises not enough to do the job at Tech (letter), *Roanoke Times & World-News*, 16 September 1989, A11
Draining brains (letter), *The Scientist*, 20 February 1989, 12
UFOs (letter), *Stanford Magazine*, Winter 1988, 24
About Tim Dinsdale (letter), *ISC Newsletter*, 7 (#3, Autumn 1988) 10-11
Operation Deepscan, *Nessletter* (ISSN 0264-7001), #84, October 1987
Report on Cryptozoology, *The Explorer*, 4 (#1, October 1987)
Sublimation not melting (letter), *ISC Newsletter*, 6 (#3, Autumn 1987) 11
Fraud in science (letter), *Chemical & Engineering News*, 13 July 1987, 34-36
Reflections on the College of Arts & Sciences, *Spectrum* (VPI&SU), 7 August 1986; *Biotic News & Biodegradable Views* (Alumni Newsletter of the Biology Department), 4 (#1, Spring 1986)
Kinds of scientific illiteracy, *Roanoke Times & World-News*, 16 June 1986
Different approaches? (letter), *Skeptical Inquirer*, X (Winter 1985-86) 186-187
Arts & Sciences at Virginia Tech, *Foundation Forum* (German Club Alumni Newsletter), #3 (December 1985)
Do we know what we mean by higher education?, *Spectrum* (VPI&SU), 17 October 1985; **College should make students more human**, *Arlington (VA) Journal and Fairfax (VA) Journal*, 22 October 1985; **First, let's be clear about what higher education means**, *Roanoke Times & World-News*, 25 October 1985
Concerning the Nessie flipper photo controversy (letter), *ISC Newsletter*, 4 (#2, Summer 1985) 9
Cryptozoology, *The Explorer*, 2 (#1, January 1985) 5
About Loch Ness (letter), *Skeptical Inquirer*, IX (#1, Fall 1984) 91-92
Comment: Martin Gardner's 'day-and-night' (letter), *Isaac Asimov's Science Fiction Magazine*, July 1984, 13
Reappraisal of Mars correlation (letter), *Skeptical Inquirer*, VIII (#1, Fall 1983) 88-89
Don't measure up? (letter), *Skeptical Inquirer*, VII (#3, Spring 1983) 89-90
About the Walla-Walla casts (letter), *ISC Newsletter*, 2 (#1, Spring 1983) 11
Comments to Ron Westrum's 'Crypto-Science and Social Intelligence about Anomalies', *Zetetic Scholar*, #10 (December 1982) 109-111
Getting published and getting tenure, in *The Challenge of Change: Critical Choices for Scholarly Publishing*, Society for Scholarly Publishing 1982, 62-63
The state of the humanities, *Spectrum* (VPI&SU), 9 July 1981
The Velikovsky Affair (letter), *Skeptical Inquirer*, V (#3, Spring 1981) 74-75
On affirmative action (letter), *Spectrum* (VPI&SU), 2 April 1981
Attitudes toward paranormal claims (letter), *Skeptical Inquirer*, V (#2, Winter 1980-81) 70-71
"May the love of learning rule mankind", *Spectrum* (VPI&SU), 25 January 1979
Humanities Program, *Humanities* (Center for Programs in the Humanities, VPI&SU), 1 (#1, September 1978)
An open letter to Tom Glatzmayer, *Uniview* (Unitarian Universalist Church, Lexington KY), 18 February 1976
The Loch Ness Monster (letter), *Courier-Journal* (Louisville KY), 9 December 1975
My belief in the Loch Ness Monster (in Japanese), *Mainichi Evening News* (Tokyo), 12 July 1974
A sabbatical tale, *AAUP Bulletin*, 60 (1974) 296-298
Bruno Breyer 1900-1967, *Journal of Electroanalytical Chemistry*, 21 (1969) 1-3
The post-docs in the States (letter), *Chemistry in Britain*, 4 (1968) 418
Testing nuclear weapons, *Michigan Daily* (Univ. of Michigan), 15 May 1957

COLLOQUIA & LECTURES

(selected, not later published; see separate later section for talks about Loch Ness)

- On studying UFOS and lake monsters**, *MUFON 2012*, Smith Mountain Lake (VA),
The enduring enigma of lake and sea monsters, *UFOS at the Lake*, Smith Mountain Lake (VA), 7 May 2011
Toward improvements in HIV epidemiology, Poster session, *Italian Conference on AIDS and Retroviruses* (Florence), 27-29 March 2011 (by Matteo Prayer Galletti, Stefania Pacini, Gabriele Morucci & HHB)
What the scientific method doesn't explain about science, INFORMS (graduate students, Industrial & Systems Engineering), 29 March 2001
Science and pseudo-science, Forestry graduate students, 20 March 2001
Some thoughts about Big Science, NSF Workshop on Expanding the Information and Data Management Research and Education Community, Hotel Roanoke (VA), 2 October 2000
Research ethics: why the fuss?, Holland Laboratory (American Red Cross), Rockville MD, 8 May 1998
Science, Social Science, Pseudo-Science.... What's the Difference?, Annual Awards Banquet, ACS Northeast Tennessee Section, Kingsport TN, 27 April 1998
Science, anti-science, & science studies, Physics Department, University of Florida, 20 March 1997
The new generations: students who don't study, AOACI Symposium on "The Technological Society at Risk", 10 September 1996 (Orlando FL); <http://www.bus.lsu.edu/accounting/faculty/lcrumbley/sfirtas.htm>, "Students who don't study"
The myth of the scientific method, 3rd Annual Josephine L. Hopkins Foundation Workshop for Science Journalists, Cornell University, 26 June 1996
Real science isn't news, Woods Hole Summer Science Writers' Seminar, 13 June 1996
Science is as science does, Funsten Science Lecture Series (Science Museum of Virginia, Richmond), 21 April 1996
The fault lies in their stars, and not in them – when distinguished scientists lapse into pseudo-science, Center for the Study of Science in Society, VPI&SU, 8 February 1996
The anti-science phenomenon in STS (invited panel contribution, Society for Social Studies of Science, Charlottesville [VA], October 1995
Group culture & individual culture (invited panel contribution, Committee VII), XXth International Conference on the Unity of the Sciences, Seoul (Korea), August 1995
Misconduct by scientists: Why the fuss? What to do about it? 1994-95, VPI&SU, in various science, agriculture, and engineering departments
The goals of scientific literacy, plenary lecture, International Conference on Education for Scientific Literacy, Science Museum (Kensington, London), November 1994
What should science studies be? Some questions, some answers, some provocations, Center for the Study of Science in Society, VPI&SU, 1 September 1994
Must scientists really be taught in ethics?, Center for the Study of Science in Society, VPI&SU, 23 September 1993
Cold fusion: pathological science?, Monash University (Australia), 28th May 1993; Unit for the History & Philosophy of Science, University of Sydney (Australia), 17th May 1993
Two sorts of knowledge (not two cultures), Monash University (Australia), 26th & 27th May 1993; Center for the Study of Science in Society, VPI&SU, October 1992
Ethics and science, Monash University (Australia), 24th May 1993; 10th Virginia Tech Symposium on Undergraduate Research (American Chemical Society Student Affiliates), Blacksburg VA, March 1990; Center for the Study of Science in Society, VPI&SU, April 1990
Politically correct education, Deans' Round-Table, Monash University (Australia), 24th May 1993; Chemistry Department, University of Sydney (Australia), 19th May 1993
The myth of the scientific method, Centre for Human Aspects of Science & Technology, University of Sydney (Australia), 20th May 1993
Indirect costs & the culture of greed, Center for the Study of Science in Society, VPI&SU, 18 February 1993
The scientist's view of science, guest lecture, STS 5101, VPI&SU, Fall 1992
Against "political correctness", Committee on Social Justice and Diversity, VPI&SU, November 1991
Education or indoctrination?, WorldWatch Seminar, VPI&SU, October 1991
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Is there life after deaning?, Council of Colleges of Arts & Sciences, Boston MA, November 1989 (revealing identity of 'Josef Martin')
Anomalies & interdisciplinarity, Society for Scientific Exploration, Boulder CO, June 1989
Are chemists scientists?, 21st Annual South-East Regional Meeting, American Chemical Society Student Affiliates, East Tennessee State University, Johnson City TN, April 1989; 20th Annual meeting, Chemistry Chairs of Southeastern Universities, VPI&SU, Blacksburg VA, April 1989

Arguments about pseudo-science, Sigma Xi (Virginia Commonwealth University chapter), Richmond VA, March 1986

Learning from the Velikovsky Affair, Colloquium, Conceptual Foundations of Science, University of Chicago, March 1986; 14th International Conference on the Unity of the Sciences, Houston TX, November 1985

Beyond Velikovsky–ESP, UFOs, and all that, Northeast Tennessee Section, American Chemical Society & Southern Appalachian chapter, Sigma Xi, Johnson City TN, December 1985

Controversies about fringe science, Graduate Colloquium in History & Philosophy of Science, Cornell University, March 1985

Science or pseudo-science? Loch Ness Monster, UFOs, ESP, etc.: is it reasonable to believe or to disbelieve?, Philosophy Club, VPI&SU, February 1985

Resistance by scientists to new discovery, Round-Table Discussion, Society for Social Studies of Science, Toronto, October 1980

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TEACHING

Science & Technology Studies (at VPI&SU)

Graduate-level — “Science from the Scientist’s Viewpoint”; “Ethical Research Practice”
Contemporary Issues in Humanities, Science, & Technology (HST 4304: varying topics, e.g. “Science in the modern world”; “Fraud in science”; “Scientific literacy”; “Ethics and the scientific method”)
Humanities, Technology, and the Physical Sciences (HST 2354)
Honors Colloquia: “Velikovsky: science or pseudo-science?” (1980);
“Science or pseudo-science? Loch Ness monsters and the origin of life” (1990)

Chemistry (at Universities of Kentucky, Michigan, Southampton, Sydney, and at VPI&SU)

Introductory—for science majors and for non-science majors
Upper-level—instrumental analysis and physical chemistry
Graduate—electrochemistry

Student Theses & Dissertations supervised

(at University of Sydney, Agricultural Chemistry): Loo Wai Hung, B.Sc.Hons. 1962; D. C. S. Foo, M.Sc. 1965; D. Britz, Ph.D. 1966

(at University of Kentucky, Chemistry): A. J. Gish, M.S. 1968; A. K. H. Shallal, Ph.D. 1969; T. W. Holt, Ph.D. 1971; F. M. Hawkrige, Ph.D. 1971; A. Kumar, M.S. 1972; L. S. Yeh, M.S. 1972; C. T. Chen, M.S. 1972; M. Langhorst, M.S. 1973; J. Erlandson, M.S. 1974; P. Cranley, M.S. 1974; W. Kautek, Fulbright Fellow, 1976; V. J. Schum, M.S. 1977

MISCELLANEOUS PROFESSIONAL SERVICE

Virginia Association of Scholars:

Newsletter Editor (*Virginia Scholar*), 1993–99
Member, Board of Directors (1993–96)

Society for Scientific Exploration:

Book Review Editor (*Journal of Scientific Exploration*), 1992–97
Councilor, 1982–1991, 1994–96
Executive Committee, 1997–2000
Editor-in-Chief, 2000-2007

National Institutes of Health: Member, Working Group on Science Education, 31 March 1995

Smithsonian Institution: Research Advisory Board, National Air & Space Museum, 1989–91

CHEMISTRY:

Reviewer, M.S. Program in Chemistry, East Tennessee State University, March 1989

Research support: Department of Defense, Themis Project (1969-74: manager & principal investigator); Petroleum Research Fund (1968-71); National Science Foundation (1968-70); Water Resources Institute, University of Kentucky (1968-70); Research Corporation (1967); Australian Atomic Energy Commission (1962-65); Colonial Sugar Refining Co. (Australia) (1962-65)

Consultantships with Australian Atomic Energy Commission, Colonial Sugar Refining Co. (Australia), Ames Laboratories, Combustion Engineering, IBM

Organized international conference on “The Electrical Double-Layer”, University of Kentucky, 1970

Served as Vice-President, Australian Polarographic Society; Chair, American Chemical Society Section (Lexington KY); Fellowships Committee, Electrochemical Society

Chaired sessions or presented papers at meetings of American Chemical Society, Australian Polarographic Society, Electrochemical Society, Gordon Conferences on Electrochemistry, International Society for Electrochemistry, Mid-West Analytical Chemists Conference

Participated in workshops on Chemo-Computers (NSF), Bioelectrochemistry (NSF), Operation Interface (ACS)

Seminars and colloquia outside the U.S.: Australia (to 1965, and in 1972), Czechoslovakia (1970), England (1970, 1972-73), Germany (1958, 1970), Japan (1956, 1974), Yugoslavia (1973)

UNIVERSITY OF KENTUCKY:

University Senate; University Appeals Board; University Committees on International Programs, Research Equipment, University Press, Promotion & Tenure (physical sciences & engineering), to review Departments of Chemical Engineering and Engineering Mechanics, to review Ph.D. in Communications

College (of Arts & Sciences) Curriculum Committee

Chemistry Department: Executive Committee, Search Committees, and Committees on Academic Matters, Communications, Computing, Finance, Graduate Admissions, Graduate Personnel, Graduate Program, Postdoctoral Program, Stockroom Computerization

VPI&SU:

Dean, College of Arts & Sciences (1978-86): University Council; U.C. Committee on Constitutional Amendment; Commission on Faculty Affairs; Building Committee; Search Committee for University Provost; College Personnel Committee; Search Committees for Directors and Associate and Assistant Deans

University Faculty Book Publishing Committee (chair), 1987-91

Center for the Study of Science in Society: Convenor, Thursday Luncheon Seminars, 1986-91

Science & Technology Studies Graduate Program: Graduate Program Committee, 1995-96

Chemistry Department: Seminar Committee (1986-87); Undergraduate Committee (1987-90);

History Department: Ad Hoc Promotion-&-Tenure Advisory Committee, 1989

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Reviews of **DOGMATISM IN SCIENCE AND MEDICINE** are available in full at
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ABOUT LOCH NESS
popular & scholarly talks & radio & TV interviews
“*Honi soït qui mal y pense*”

- 2011-15, 2017: New School Yellow Room (2nd grade)
2010: Symposium, North Cross School, Roanoke VA (February 12)
2009: Symposium, North Cross School, Roanoke VA (February 5)
2008: New School Yellow Room (2nd grade) (17 December)
2004: Children’s Garden pre-school, Blacksburg (grandson Eli’s kindergarten)
2003: Lion’s Club, Blacksburg
2001: Symposium, North Cross School, Roanoke VA (April 26)
 Warm Hearth Retirement Community (February 10)
 Christiansburg (VA) Elementary School (January 19)
2000: Coast-to-Coast (Mike Siegel–Art Bell Show), (12 December)
 Christiansburg (VA) Elementary School (Spring)
 YMCA (Cranwell International House, Blacksburg) (28 September)
1999: Christiansburg (VA) Elementary School
1998: Christiansburg (VA) Elementary School
1997: Christiansburg (VA) Elementary School (16 December)
 Cave Springs Junior High (Roanoke, VA) (20 November)
1996: Christiansburg (VA) Elementary School (15 November)
1995: Christiansburg (VA) Elementary School (1 November)
 Christiansburg (VA) Elementary School (10 April)
 Graduate Seminar, Psychology (Prof. Prestrude) , VPI&SU (27 March)
 Study Abroad Program, VPI&SU (March 20)
1994: Symposium, North Cross School, Roanoke VA (April 29)
 Study Abroad students, Virginia Tech (March 21)
 Golden Key Honor Society, Virginia Tech (January 31)
1993: Christiansburg (VA) Elementary School (December 13)
 Symposium, North Cross School, Roanoke VA (April 30)
 Honors Biology (Prof. Buikema’s course), VPI&SU (March 29)
 Study Abroad Program, VPI&SU (March 15)
 Brodie Hall, VPI&SU (February 4)
1992: Symposium, North Cross School, Roanoke VA (May)
 Study Abroad Program, VPI&SU (April)
 Shanks Residence Hall, VPI&SU (April)
1991: Major Williams Residence Hall, VPI&SU (September)
1990: Montgomery County VA After-School Program (October)
 Margaret Beeks Elementary School, Blacksburg VA (June)
1989: Wytheville Community College, Wytheville VA (October)
1988: Nightside with Barry Bennett, KFRU, Columbia MO (December)
 Big Island Elementary School, Lynchburg VA (December)
 Archaeus Project, Bakken Library & Museum, Minneapolis MN (November)
 Department of History of Medicine & Science, University of Western Ontario, London, Canada
 (November)
 Blacksburg VA Middle School (May)
 International Club, Cranwell Center, VPI&SU (March)
 Dr. Bob Hieronymus Show, WFBR, Baltimore MD (February)
1987: Andrew Lewis Middle School, Salem VA (December)
 Pulaski VA High School (December)
 Blacksburg VA Middle School (November & June)
 James River Day School, Lynchburg VA (November)
 6th Annual Meeting, Society for Scientific Exploration, Austin TX (May)
 Alleghany Highlands Schools, Covington VA (March)
 Jim Althoss Show, King Radio 1090, Seattle WA (February)
 Radio WMS, Norfolk VA (January)
 American Chemical Society, Virginia Section, Randolph-Macon College (January; see *Richmond VA News-Leader*, January 17; *Petersburg VA Progress-Index & Montgomery County VA News-Messenger*, January 18; *Ashland VA Herald-Progress*, January 21)
 WVTF, Roanoke VA (January)
1986: Institute of Electrical and Electronic Engineers, Virginia Mountain Section, Salem VA (November)
 WRAD 1460, Radford VA (November)
 Andrew Lewis Middle School, Salem VA (October & April)

- K92 FM, Roanoke VA (September)
 Philosophy Club, VPI&SU (May)
- 1984: University of Virginia Biological Station, Mt. Lake VA (August)
 Virginia Academy of Science (Sidney S. Negus Memorial Lecture), Richmond VA (May)
- 1983: South-West Virginia Medical Association, Women's Auxiliary, Blacksburg VA (May)
 TV Channel 7, Roanoke VA (April)
- 1982: Popular Culture Association, Louisville VA (April)
 Reynolds Homestead Continuing Education Center, Critz VA (March)
- 1980: Provost's Conversazione, VPI&SU, Blacksburg VA (October)
- 1979: Mensa, Charlotte/Blue-Ridge chapter, Charlotte NC (December)
 Association for Gifted Children, Blacksburg VA (May)
 Engineering Faculty Association, VPI&SU, Blacksburg VA (April)
- 1978: Alpha Psi, Phi Sigma chapter, Blacksburg VA (December)
 Sigma Xi, Blacksburg VA (October)
 Margaret King Library Association, Lexington KY (April)
- 1977: Torch Club, Lexington KY (November)
 East Tennessee State University, Johnson City TN (May)
 American Chemical Society, University of Oklahoma Section, Norman OK (May)
 Berea College, Berea KY (April)
 Glassblowers' Convention, Lexington KY (April)
 Southern Junior High School, Lexington KY (March)
- 1976: Transylvania University, Lexington KY (October)
 American Chemical Society Student Affiliates (South-East), University of Southern Mississippi,
 Hattiesburg MS (April)
 Special Libraries Association, Berea KY (April)
 2nd Presbyterian Church, Lexington KY (January)
 TV Channel 11, Louisville KY (January)
- 1975: TV Channel 3, Louisville KY (December)
 TV Channel 18, Lexington KY (December)
 Sayre School, Lexington KY (November)
 Southern Junior High School, Lexington KY (November)
 Lafayette High School, Lexington KY (March)
- 1974: Project Jonah Seminar, Tokyo, Japan (June)
 Rikagaku Kenkyusho (RIKEN: Institute for Chemistry & Physics), Tokyo, Japan (June)
 American Chemical Society Section, Lexington KY (April)
 Thomas Jefferson Unitarian Church, Louisville KY (April)
 Maxwell St. Presbyterian Church, Lexington KY (March)
 Glendover Elementary School, Lexington KY (February)
- 1973: Breakfast Optimists Club, Lexington KY (November)
 Junior Optimists Club, Lexington KY (November)