

ACADEMIC AND PROFESSIONAL HISTORY

August 2019

WILLIAM R. BRICE

Professor Emeritus, Geology & Planetary Science
University of Pittsburgh at Johnstown
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Mike Henderson Photo

EDUCATION:

University of Florida, Gainesville, Florida (1954-1958) - Bachelor of Science (B.S.) in physics and mathematics (1958)

University of Tasmania, Hobart, Tasmania, Australia (1963-1965) - Diploma of Education (Dip. Ed.) in science education (1965).

Cornell University, Ithaca, New York (1967-1968) - Master of Science for Teachers (M.S.T.) in earth science education (1968).

Cornell University, Ithaca, New York (1968-1971) - Doctor of Philosophy (Ph.D.) in geochemistry (1971).

FIELDS OF SPECIALIZATION:

Special: History of the Oil and Gas Industry
Special: Astronomy (Solar System)
Special: Igneous & Metamorphic Petrology
Special: History & Philosophy of Science

General: Geology

Special: History of Geology
Special: Mineralogy
Special: Soil Science
Special: Theater Lighting Design

ACADEMIC POSITIONS:

University of Pittsburgh at Johnstown:

Professor Emeritus	2005-Present
Professor	1988-2005
Chairperson, Division of Natural Sciences	1993-1997
Associate Professor	1976-1988
Assistant Professor	1971-1976

Institute for Shipboard Education

Professor of Geology & Oceanography	Fall Voyage 2005
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Cornell University (Summer Session)

Visiting Professor	1990-2002
Visiting Associate Professor	1977-1990
Visiting Assistant Professor	1976

Instructor - Shell Summer Merit Program 1970 & 1971
 University of Pittsburgh Center for the Philosophy of Science
 Associate 1987-Present

State University at Campinas (UNICAMP), Campinas, SP, Brazil
 Visiting Lecturer and Researcher, 1992, 2001

Tasmanian College of Advanced Education - Hobart, Tasmania, Australia
 Visiting Professor - Teacher Training Department January-May 1978

University of Tasmania, Hobart Tasmania, Australia
 Research Associate - January-May 1978

Clermont High School - Clermont, Florida
 Head, Science Department 1965-67
 Science Teacher (Physics & Mathematics) 1960-62

Taroona High School - Taroona, Tasmania, Australia
 Assistant Master (Science & Mathematics) 1962-65

HONORS, AWARDS, AND GRANTS

The Mary C. Rabbitt History of Geology Award for 2018
 History & Philosophy of Geology Division/Geological Society of America

Samuel T. Pees *Keeper of the Flame* Award 2015
 Petroleum History Institute

Elected to membership:
 International Commission on the History of Geological Sciences (INHIGEO)
 June 2014

Travel Grant – September 2013
 BraNobel Conference – Research-Innovation
 Stockholm, Sweden, September 13-14.

The first annual *Yellow Dog Award* (2011)¹ for excellence in oil history
 Parkersburg Oil & Gas Museum, Parkersburg, West Virginia.

John A. Mather Award for 2010
 Friends of Drake Well, Inc.

¹ Yellow dog is the name given to the cast iron, twin-spout pot that was used as a crude oil-burning lamp on the drilling rigs in the late 1800s. Today these “yellow dog” lanterns are prized items for collectors.

The Gerald M. and Sue T. Friedman Distinguished Service Award 2008
History & Philosophy of Geology Division/Geological Society of America

Distinguished Service Award 2005
Petroleum History Institute

President's Award for Excellence in Teaching - 2004
University of Pittsburgh at Johnstown

Dr. Edward A. Vizzini Teacher of the Year Award - 2003
Division of Natural Sciences, University of Pittsburgh at Johnstown

Travel Grant - May 2001
IGE/UNICAMP
Universidade Estadual de Campinas, Campinas, SP, Brazil

Marquis Who's Who in America
1999, 2000, 2001, 2002, 2003, 2004, 2005

Distinguished Service Award - 1999
Eastern Section/National Association of Geoscience Teachers
First Recipient of this Eastern Section Award

Fellow - Geological Society of America
Elected - October 1993

George Frederick Matthew Research Fellowship - August 1992
New Brunswick Museum, Saint John, NB, Canada

Travel Grant – May 1992
Fundo de Apoio as Ensinas e a Pesquisa, Universidade Estadual de Campinas
Campinas, SP, Brazil

Hall of Fame (Charter Member) - Inducted May 1989
Clermont High School; Clermont, Florida

Teaching Improvement Grant - 1982
Faculty Research Grant - 1980
University of Pittsburgh, Pittsburgh, Pennsylvania

Innovations in College Science Teaching - Third Place Award 1976
National Science Teachers Association/ OHAUS

PROFESSIONAL AFFILIATIONS

National Association of Geoscience Teachers ²	1971- 2012
Associate Editor, <i>Journal of Geoscience Education</i> ³	1985-1989
Member, NAGT Field Camp Scholarship Review Committee	1985-1989
Eastern Section/NAGT	
Chair, Review Committee	2000-2005
Distinguished Service Award	
Co-Organizer, Annual Meeting	1999
Secretary/Treasurer	1976-1992
Editor, Newsletter	1980-1982
Workshop Coordinator (Annual Meeting)	1980
Chairman, Membership Committee	1973-1974
Geological Society of America	
	1974-Present
Elected to Fellowship	1993
Member, External Awards Committee	1997-1998
Abstract Reviewer (Annual Meeting)	1980, 1997, 1998
Member, Educational Division	
Member, History & Philosophy of Geology Division	
Co-chair, History of the Petroleum Industry: Hydraulic Fracturing – the 20 th and 21 st Century.	
GSA Annual Meeting, Seattle, Washington, October 23, 2017	
Co-Chair; 250 Years of Geology in the Northeast: Northeastern Section Meeting, Hartford, Connecticut, March 18	2012
Member, Awards Review Committee	2008-2017; 2019-present
Mary C. Rabbitt Fund	
Chair, Proposal Review Committee	2007-2017
Secretary/Treasurer/Newsletter Editor	1998-2007
Chair, Awards Committee	1996-1997, 2013
Member, North American Section	1996-1998
Hutton-Lyell Bicentenary 1997-1998 Committee	
Meetings-London and Edinburgh August 1997 and Toronto 1998	
Chair	1995-1996
First Vice-Chair	1994-1995
Second Vice-Chair	1993-1994

² Formerly "National Association of Geology Teachers."

³ Formerly "*Journal of Geological Education*."

Chairman, Nominating Committee 1985-1989
 Member, Review Committee DNAG Volume 1984-1985
Centennial Special Volume No. 1
 Member 1981-1983
 Committee for the Decade of North American Geology (DNAG)

Association for Women Geoscientists 1990-1999
 Member, Education Committee 1993-1994

Drake Well Foundation 1998-Foundation Dissolved 2003
 Member, Board of Directors 1995-2003
 President 2003
 Vice-President 2001-2003
 Chairman, Planning Committee - 150th Anniversary Celebration 2009
 Chairman, Symposium-History of the Oil Industry - June 2001
 Member-Editorial Board of *Oil Industry History* 2000-2003

History of Earth Sciences Society Charter Member 1982-Present
 President 2003-2005
 President-Elect 2001-2003
 Associate Editor 2007-Present
Earth Sciences History

Petroleum History Institute Founding Member 2003-Present
 Inaugural President 2003-2005
 Second Vice-President 2013-Present
 Member-Editorial Board of *Oil-Industry History* 2003-Present
 Editor *Oil-Industry History* 2003-2013
 Representative, *Oil 150* Steering Committee 2006-2009
 Drake Well 150th Anniversary Celebration Activities
 Annual Meeting – Symposium Chair 2008-Present
 Conference Chair, PHI Pittsburgh 2013
 Conference Co-Chair, PHI Bradford 2014
 Conference Co-Chair, PHI Saint John 2019

International Commission on the History of Geological Sciences (INHIGEO)
 Elected to Membership June 2014
 Editor, 2016-2020.

Licensed Professional Geologist
 New Hampshire 2003-2013

PUBLICATIONS

Published Articles:

BRICE, William R. 2019c, Petroleum History Institute annual meeting and field trip; Salt Lake City, Utah, July 17-19, 2018 (Abbreviated): *IHIGEO Annual Record*, No. 51: International Commission on the History of Geological Sciences, Johnstown, PA, p. 34-35.

_____(Editor), 2019b, *IHIGEO Annual Record*, No. 51: International Commission on the History of Geological Sciences, Johnstown, PA, 237p.

_____(Editor), 2019a, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Saint John, New Brunswick, Canada, June 27-29, 22 p.

_____, 2018f, Acceptance: *Mary C. Rabbit Award in the History of Geology*: History & Philosophy of Geology Division/Geological Society of America, <https://www.geosociety.org/awards/18speeches/rabbitt.htm>. See also: 2019 *IHIGEO Annual Record*, No. 51: International Commission on the History of Geological Sciences, Johnstown, PA, p. 36-37.

_____, 2018e, Petroleum History Institute Annual Meeting Saint John, New Brunswick, Canada, The Land of Abraham Gesner June 27-29, 2019 (Announcement): *Oil-Industry History*, v. 19, No. 1, p. 181-182.

_____, 2018d, The Impact of Drake's Discovery on Maps of the Early Pennsylvania Oil Region: *Oil-Industry History*, v. 19, No. 1, p. 59-80.

_____, 2018c, Petroleum History Institute Annual Meeting and Field Trip; Findlay, Ohio, July 13-15, 2017 (Abbreviated): *IHIGEO Annual Record*, No. 50: International Commission on the History of Geological Sciences, Johnstown, PA, p. 43-44.

_____, 2018b, Petroleum History Institute annual meeting and field trip; Salt Lake City, Utah, July 17-19, 2018: *Oil-Industry History*, v. 19, No. 1, p. 3-12.

_____(Editor), 2018a, *IHIGEO Annual Record*, No. 50: International Commission on the History of Geological Sciences, 279 p.

_____, 2017c, Petroleum History Institute Annual Symposium and Field Trip, Casper, Wyoming, July 28-30, 2016: *IHIGEO Annual Record*, No. 49: International Commission on the History of Geological Sciences, Johnstown, PA, p. 39-41.

_____(Editor), 2017b, *IHIGEO Annual Record*, No. 49: International Commission on the History of Geological Sciences, Johnstown, PA, 211 p.

_____, 2017a, Petroleum History Institute Annual Meeting and Field Trip; Findlay, Ohio, July 13-15, 2017: *Oil-Industry History*, v. 18, no. 1, p. 1-12.

_____ (Compiler), 2016, *Oil-Industry History* Index to volumes 1-6 (2000-2015): *Oil-Industry History*, v. 17, no. 1, p. 185-242.

_____, 2015b, P. C. Boyle (1846-1920): The voice of early oil: *Oil-Industry History*, v. 16, p. 25-68.

_____, 2015a, Petroleum History Institute Annual Symposium and Field Trip: Tulsa, Oklahoma, April 30-May 2, 2015: *Oil-Industry History*, v. 16, p.1-13.

_____, 2014b, DAVID LEONARD McKAIN (1934-2014) – A Remembrance: *Oil-Industry History*, v. 15, no. 1, p. 203-204.

_____, 2014a, DAVID R. OLDROYD (1936-2014) – A Remembrance: *Newsletter*, History and Philosophy of Geology, Geological Society of America, December, p. 9-10.

_____, 2013b, Editorial and Meeting Report, Pittsburgh, Pennsylvania, May 16-18, 2013: *Oil-Industry History*, v. 14, no. 1, p. 1-8.

_____, 2013a, Nobel's invention in early U. S. oilfields: *BraNobel Conference*, Nobel Brothers' 2nd International Research-Innovation Conference, Stockholm, Sweden, September 13-14, 2013, *Conference Proceedings*, p. 36-63.

_____, 2012e, Editorial and meeting report – Houston, Texas, March 8-10, 2012: *Oil-Industry History*, v. 13, no. 1, p. 1-11.

_____, 2012d, The McDonald Oil Field, Pennsylvania – a new historical marker: *Oil-Industry History*, v. 13, no. 1, p. 151-154.

_____, 2012c, The Drake Well Museum – New Exhibits and symposium: *Oil-Industry History*, v. 13, no. 1, p. 177-186.

_____, 2012b, Memorial – John George Charles Martin Fuller (1926-2012): *Oil-Industry History*, v. 13, no. 1, p. 275-276.

_____, 2012a, Student Award for 2011 to Margaret Rosenberg (Citation): *Newsletter*, Geological Society of America, History and Philosophy of Geology Division, v. 36, no. 1 (February), p. 2. (http://www.gsahist.org/hapg_award/student_award2011.htm).

_____, 2011c, Ebenezer Baldwin Andrews (1821-1880) – pioneer oil geologist: *Oil-Industry History*, v. 12, no. 1, p. 15-46.

_____, 2011b, Editorial and meeting report, Mariette, Ohio, June 23-25, 2011: *Oil-Industry History*, v. 12, no. 1, p. 3-14.

_____, 2011a, Petroleum History Institute - its history, mission, and activities: *Outcrop* (Newsletter of the Rocky Mountain Association of Geologists), v. 60, no. 3 (March), p. 12-13, 15.

_____, 2010d, The Drake Well and unintended consequences: *Oil-Industry History*, v. 11, no. 1, p. 61-83.

_____, 2010c, Editorial and meeting report, Lafayette, Louisiana, April 29-May 1, 2010: *Oil-Industry History*, v. 11, no. 1, p. 1-13.

_____ (Compiler), 2010b, *Oil-Industry History* Index Volumes 1-10 (2000-2009): *Oil-Industry History*, v. 11, no.1, p.213-240.

_____, 2009c, Edwin Drake (1819-1880); his life and legacy: *Oil-Industry History*, v. 10, no. 1, p. 11-35.

_____, 2009b, Editorial and meeting report - Titusville, Pennsylvania, May 14-16, 2009; *Return to the Valley That Changed the World: Oil-Industry History*, v. 10, no. 1, p. 1-10.

_____, 2009a, Edwin L. Drake and his legacy: *Oilfield Journal*, p. 29-59.

_____, 2008c, Samuel M. Kier (1813-1874); the oft-forgotten oil pioneer: *Oil-Industry History*, v. 9, no. 1, p. 73-96.

_____, 2008b, Editorial and meeting report - Oil Springs, Ontario, Canada: *Oil-Industry History*, v. 9, no. 1, p. 1-8.

_____, 2008a, The History of Geology Division/GSA - A brief history: *The Compass*, v. 81, nos.1-4, p. 48-56.

_____, 2007b, Editorial and Meeting Report: *Oil-Industry History*, v. 8, no. 1, p. 1-8.

_____, 2007a, Williams, Henry Shaler:
<http://www.anb.org/articles/13/13-02669-article.html>; *American National Biography Online* October 2007 update.

_____, 2006b, History Groups Celebrate Anniversaries at Philadelphia GSA Meeting – October 2006: *GSA Today*, v. 16, no. 10, p. 18-19.

_____, 2006a, Editorial and meeting report: *Oil-Industry History*, v. 7, no. 1, p. 15-28.

_____, 2005, Editorial and meeting report: *Oil-Industry History*, v. 6, no. 1, p. 1-5.

_____, 2004f, Editorial and Mount Morgan: *Oil-Industry History*, v. 5, no. 1, p. 1-2.

_____, 2004e, Gilbert D. Harris (1864-1952)-Cornell Professor, Louisiana State Geologist, and long distant oil consultant: *Oil-Industry History*, v. 5, no. 1, p. 59-83

_____, 2004d, Editor's Note - Recollections: *Oil-Industry History*, v. 5, no. 1, p. 84.

_____, 2004c, Henry Shaler Williams (1847-1918) and punctuated equilibria: *Earth Sciences History*, v. 23, no. 1, p. 32-40.

_____, 2004b, Eastern Section NAGT 2004 Distinguished Service Award - Professor Lawrence Matson: *Bulletin National Association of Geoscience Teachers/Eastern Section*, v. 54, no. 3, p. 1, 3.

_____, 2004a, History of Geology Division receives bequest: *GSA Today*, v.14, no. 2, p. 22-23.

_____, 2003b, Editor's note; recollections: *Oil-Industry History*, v. 4, no. 1, p. 86.

_____, 2003a, Editorial; a new editor and a new organization: *Oil Industry History*, v. 4, no. 1, p. 1.

_____, 2002b, Abraham Gesner (1797-1864) - A petroleum pioneer: *Oil-Industry History*, v. 3, no. 1, p. 72-80.

_____, 2002a, Citation for Robert K. Ridky - Eastern Section/NAGT Distinguished Service Award 2002: *Bulletin National Association of Geoscience Teachers/Eastern Section*, v. 50, No. 3, p. 1, 3.

_____, 2001c, Biographical sketch; Abraham Gesner (1797-1864): 3 p. Addition to: Reprint of GESNER, Abraham, 1861/2001, *Practical treatise on coal, petroleum, and other distilled oils*: Baillièrè Brothers, New York, 134 p. [Reprinted by Drake Well Foundation].

_____, 2001b, Citation for Hugh S. Torrens - History of Geology Awardee 2000: *GSA Today*, v. 11, No. 2, p. 41.

_____, 2001a, Thin-section grain location marking: *Journal of Geoscience*

Education, v. 49, no. 1, p. 64-65.

_____, 2000b, Citation for Brian B. Tormey - Eastern Section NAGT Distinguished Service Award for 2000: *Bulletin National Association of Geoscience Teachers/Eastern Section*, v. 50, no. 3, P. 1, 4.

_____, 2000a, Henry Shaler Williams (1847-1918) and the Pennsylvanian Period: *Northeastern Geology and Environmental Sciences*, v. 22, no. 4, p. 286-293.

_____, 1999e, Acceptance; Distinguished Service Award-1999: *Bulletin National Association of Geoscience Teachers/Eastern Section*, v. 49, no. 4, p. 5-6.

_____, 1999d, The world of petroleum before the Drake Well in 1859; Part II: *West Texas Geological Society Bulletin*, v. 39, no. 2 (October), pp.3, 5, 8-9.

_____, 1999c, The world of petroleum before the Drake Well in 1859; Part I: *West Texas Geological Society Bulletin*, v. 39, no. 1 (September), pp. 3-4, 6, 8-9.

_____, 1999b, TARR, Ralph Stockman: in GARRATY, John (Editor), *American National Biography*, New York, Oxford University Press, v. 21, p. 238-329.

_____, 1999a, John Fulton, surveyor, geologist, and friend of the Second Pennsylvania Geological Survey: *Southeastern Geology*, v. 38, no. 3, p. 203-214.

_____, 1998, Citation-Kennard Bork; History of Geology Awardee: *GSA Today*, v. 8, no. 3, p. 27-28.

_____, 1997, Gilbert Dennison Harris - Paleontologist, Teacher, and Consultant: *Northeastern Geology and Environmental Sciences*, v. 19, no. 1 & 2, p. 103-119.

_____, 1996b, John West Wells - A biographical memoir: *Biographical Memoirs*, National Academy of Science, v. 70, p. 2-7.

_____, 1996a, In memoriam; Harold Chester Fry, Jr., 1930-1995: *Journal of Geoscience Education*, v. 44, no. 2, p. 235.

_____, 1995, Field Camp in the Helderbergs-1900 to 1909: *Northeastern Geology and Environmental Sciences*, v. 17, no. 2, p. 188-194.

_____, 1994, Charles Frederick Hartt (1840-1878); the early years: *Earth Sciences History*, v. 13, no. 2, p. 160-167.

_____, 1992b, Trends in geoscience education in the United States - a view from the classroom: IG/UNICAMP, *Cadernos*, v. 2, no. 2, p. 159-175.

_____, 1992a, Geoscience education and the professional geologist-the need for greater cooperation: *The Professional Geologist*, v. 29, no. 11, p. 9-10.

_____, 1990, The role of simplicity in geology: in RESCHER, Nicholas, (Ed.) *Aesthetic factors in natural science*, CPS Series in Philosophy of Science, Center for Philosophy of Science, University of Pittsburgh, Lanham, MD, University Press of America, p. 85-95.

_____, 1989, Early geological exploration in the Johnstown area: in HARPER, John (Ed.) *Geology of the Laurel Highlands of Southwestern Pennsylvania, 54th Annual Field Conference of Pennsylvania Geologists Guidebook*: Bureau of Topographic and Geologic Survey, Harrisburg, PA, Department of Environmental Resources, p. 121-138 (References p. 150-159).

_____, 1988c, Cornell University campus-a unique geological laboratory in Ithaca, New York: *Northeastern Geology*, v. 10, no. 1, p. 19-24.

_____, 1988b, Devonian strata-route 30 near Breezewood, Pennsylvania: *Northeastern Geology*, v. 10, no. 1, p. 57-61.

_____, 1988a, Tarr and Alaska- preprint from the book *Cornell geology through the years*: Issued to commemorate the 100th anniversary of the founding of the Geological Society of America 1888-1988: Department of Geological Sciences, Cornell University, 12 p.

_____, 1985, Ralph Stockman Tarr; scientist-writer-teacher: In DRAKE, Ellen T. and JORDAN, William (Eds), *Geological ideas-a history of North American geology*: Geological Society of America, *Centennial Special Volume*, Number 1, p. 215-235.

_____, 1984b, Geology of the Johnstown area: In BERGER, Karl (Ed), *Johnstown-the story of a unique valley*, Johnstown, PA, Johnstown Flood Museum, p. 1-35.

_____, 1984a, Cornell geology, 1868-1984; a review: *Engineering Cornell Quarterly*, v. 19, nos, 2-3, p. 15-24.

_____, 1983, Brazilian roots: *GEO News*, Department of Geological Sciences, Cornell University, 4 p.

_____, 1982, Bishop Ussher, John Lightfoot and the time of creation: *Journal of Geological Education*, v. 30, p. 18-24.

_____, 1981, Charles Lyell and the geology of the Northeast: *Northeastern Geology*, v. 3, p. 47-51.

_____, 1980, Geology teaching and science fiction: *Journal of Geologic Education*, v. 28, p. 105-106.

_____, 1978, Charles Lyell and Pennsylvania: *Pennsylvania Geology*, v. 9, no. 2, p. 6-11.

_____, 1977, Astronomy-fact and fiction: *Journal of College Science Teaching*, v. 8 p. 107-110.

Co-authored Publications:

AMBROSE, Jennifer and **BRICE**, William, 2007, Drilling the Munchausen Well; humor and the oil industry: *Oil-Industry History*, v. 8, no. 1, p. 69-82, Plus Foldout Page.

BREY, G., **BRICE**, W. R., ELLIS, D. J., GREEN, D. H., Harris, K. L., and RYABCHIKOV, I. D., 1983, Pyroxene-carbonate reactions in the upper mantle: *Earth and Planetary Science Letters*, v. 62, p. 63-74.

BRICE, William R. and BLACK, Marilyn, 2011, 150 years of producing oil – McClintock Well Number 1 (1861-2011): *Oil-Industry History*, v. 12, no. 1, p. 157-160.

BRICE, William R. and BLOOM, Arthur, 2002, George A. Kiersch; April 15, 1918 - October 19, 2001: *Memorial Statements; Cornell University Faculty 2001-2002*, Office of the Dean of Faculty, Cornell University, Ithaca, NY, p. 28-31.

BRICE, William R., and CHANG, Luke, 1973, Subsolidus phase relations in aragonite-type carbonates; III. The systems $MgCO_3$ - $CaCO_3$ - $BaCO_3$, $MgCO_3$ - $CaCO_3$ - $SrCO_3$, and $MgCO_3$ - $SrCO_3$ - $BaCO_3$: *American Mineralogist*, v. 58, nos. 11-12, p. 979-985.

BRICE, William R. and FIGUEIRÔA, Silvia F. de M., 2003, Charles Frederick Hartt-A pioneer of Brazilian Geology: *GSA Today*, v. 13, no.3 (March), p. 18-19.

_____, 2001, Charles Hartt, Louis Agassiz, and the controversy over Pleistocene glaciation in Brazil: *History of Science*, v. 39 (xxxix), p. 161-184.

_____, 1994, Charles Frederic Hartt and nineteenth century geological exploration in Brazil - the human cost: *In*: FIGUEIRÔA, Silvia F. de M., and LOPES, Margaret (Eds): *Geological Sciences in Latin America -scientific relations and exchanges* (INHEGEO Meeting July 1993), Instituto de Geociências, Universidade Estadual de Campinas, Campinas, SP, Brazil, p. 109-126.

BRICE, William R. and LAUER, Merle, 1977, The lapidarians have come!! The what?: *Journal of Geological Education*, v. 25, p. 150-152.

BRICE, William R. and LINT, Brenda, 1987, A manual of photographs as a teaching tool in petrology: *Journal of Geological Education*, v. 35, p. 206-207.

BRICE, William R. and KAKTINS, Uldis, 1985, *Guidebook-Johnstown area geology*: Annual Field trip, Pittsburgh Geological Society.

_____, 1977, Geology portion of: *Hiker's guide to the Laurel Highlands trail*, 2nd Edition, Sierra Club of Pittsburgh.

_____, 1976, Geology portion of: *Hiker's guide to the Laurel Highlands trail*, Sierra Club of Pittsburgh.

BRICE, William R., MIR-BABAYEV, Mir-Yusif, and ATABEYLI, Bahram, 2013c, Report - Nobel Brothers' 2nd International Research-Innovative Conference, Stockholm, Sweden, September 13-14, 2013: *Oil-Industry History*, v. 14, no. 1, p. 141-152.

BRICE, William R., OLIVER, Jack E., and BLOOM, Arthur L., 1996, Shailer S. Philbrick - May 11, 1908-August 19, 1994: *Memorial Statements; Cornell University Faculty 1994-1995*, Office of the Dean of Faculty, Ithaca, NY p. 74-77.

BRICE, William R. And PEES, Samuel T. (Co-Chairman), 1997, History of oil and gas exploration in North America - a symposium at the Drake Well Museum, July 18-20, 1996 - Introduction to the Proceedings Volume: *Northeastern Geology and Environmental Sciences*, v. 19, nos. 1& 2, p. 1.

BRICE, William R., PHILBRICK, Shailer, and BLOOM, Arthur, 1994, John West Wells-July 15, 1907 - January 12, 1994: *Memorial Statements; Cornell University Faculty 1993-1994*, Office of the Dean of Faculty, Cornell University, Ithaca, NY, p. 121-125.

BRICE, William R., SILVERMAN, Matt, SPERR, Tom, and CAMPBELL, Cat, (Eds), 2016, *Program, Abstracts and Field Trip Guide*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Casper, Wyoming, July 28-30, 56 p.

BRICE, William R. and SORENSON, Raymond (Eds), 2015, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Tulsa, Oklahoma, April 30-May 2, 30 p.

BRICE, William R. and SORKHABI, Rasoul (Eds), 2018, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Salt Lake City, Utah, May 17-19, 39 p.

BRICE, William R. and SPENCER, Jeff A. (Eds), 2014, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Bradford, Pennsylvania, June 19-21, 51 p.

BRICE, William R. And **TORMEY**, Brian, 2002, Distinguished Service Award for 2002-Robert K. Ridky: *Bulletin National Association of Geoscience Teachers-Eastern Section*, v.52, no. 3, p. 1, 3.

_____, 2003, Eastern Section NAGT 2003 Distinguished Service Award; James V. O'Connor and Richard Liebe: *Bulletin National Association of Geoscience Teachers-Eastern Section*, v. 53, no. 3, p. 3-4.

CHANG, Luke L. Y., and **BRICE**, William R., 1972, Subsolidus phase relations in aragonite-type carbonates; II. The systems $\text{CaCO}_3\text{-SrCO}_3\text{-PbCO}_3$ and $\text{CaCO}_3\text{-BaCO}_3\text{-PbCO}_3$: *American Mineralogist*, v. 57, nos. 1-2, p. 155-168.

_____, 1971a, The herzenbergite-teallite series: *Mineralogical Magazine and Journal of the Mineralogical Society*, v. 38, no. 294, 186-189.

_____, 1971b, Subsolidus phase relations in the system calcium carbonate-cadmium carbonate: *American Mineralogist*, v. 56, no. 1-2, p. 338-341.

DOTT, Robert H., Jr., **BRICE**, William R., and **JORDAN**, William M., 1997, Hutton-Lyell bicentenary - 1997-1998: *GSA Today*, v. 7, no. 3 (March), p. 40, 42-43.

KAKTINS, Uldis and **BRICE**, William R., 1990, The Conemaugh River Gorge: *Northeastern Geology*, v. 12, nos. 1-2, p. 59-68.

JONES, Sara and **BRICE**, William R., 2017, Abraham Gesner (1797-1864) revisited; putting oil history in the classroom: *Oil-Industry History*, v. 18, no. 1, 35-52.

LAUER, Merle and **BRICE**, William R., 1977, Lapidary goes to college: *Lapidary Journal*, June 1977.

SORKHABI, Rasoul, **BRICE**, William R., and **Craig**, Jonathan, 2011, Bibliography of history of petroleum: *Oil-Industry History*, v. 1, no. 1, p. 189-193.

SORKHABI, Rasoul and **BRICE**, William R., 2010, History of petroleum bibliography 2008-2010: *Oil-Industry History*, v. 11, no. 1, p. 203-212.

SPENCER, Jeff and **BRICE**, William R., 2017, *Program and Abstracts: Petroleum History Institute Annual Oil History Symposium & Field Trip*, Findlay, Ohio, July 13-15, Petroleum History Institute, Oil City, PA, 65 p.

TORRENS, Hugh S. and **BRICE**, William R., 1999, James Buckman (1814-1884) English consulting geologist and his visit to the Guyandotte coal-fields in 1854: *Southeastern Geology*, v.

38, no. 3, p. 191-201.

Books:

BRICE, William R., 2009, *Myth, legend, reality; Edwin L. Drake and the early oil industry*: Oil City, PA, Oil City, Pennsylvania, Oil Region Alliance, 661 p.

_____, 1996, Gilbert Dennison Harris - a life among fossils: *Bulletins of American Paleontology* (Single-paper Issue), v. 109, #350, (September 16), 153 pp.

_____, 1989, *Cornell geology through the years: Cornell Engineering Histories*, volume 2, College of Engineering, Cornell University, Ithaca, NY, 230 pp.

_____, 1971, *Subsolidus phase relations in the system magnesium carbonate-calcium carbonate-strontium carbonate-barium carbonate*: Thesis, Doctor of Philosophy, Ithaca, New York, Cornell University, 140 p. (See *American Mineralogist*, v. 58, nos. 11-12, 1973, p. 979-985.)

_____, 1963, *An Introduction to Understanding the Number System, Decimals, and Decimal Operations - A Programmed Text*: Thesis (Unpublished), Diploma of Education, Hobart, Tasmania (Australia), The University of Tasmania, 168 p.

Professional Presentations:

BRICE, William R., 2018c, Fossil illustrations in three-dimensions: Geological Society of America Annual Meeting, Indianapolis, Indiana, *2018 Abstracts with Programs*, Vol. 50, No. 6, ISSN 0016-7592, doi: 10.1130/abs/2018AM-317047 (Invited Speaker).

_____, 2018b, Abraham Gesner (1797-1864); The Forgotten Discoverer of Kerosene: Annual Meeting, MENSA, Pittsburgh, Pennsylvania, September 1 (Invited Speaker).

_____, 2018a, The impact of Drake's discovery on maps of the early Pennsylvania oil region: Petroleum History Institute Annual Meeting, May 18, Salt Lake City, Utah, *Program and Abstracts*, p. 9-10; see also 2019 (Abst) *Oil-Industry History*, Vol. 20, No. 1, p. 159-160.

_____, 2017h, The early oil industry and the first "Fracking": Geological Society of America Annual Meeting, Seattle, Washington, *2017 Abstracts with Programs*, v. 49, no. 6, doi: 10.1130/abs/2017AM-298010; (Invited Speaker).

_____, 2017g, Maps of the early Pennsylvania region: Geological Society of America Annual Meeting, Seattle, Washington, *2017 Abstracts with Programs*, v. 49, no. 6, doi: 10.1130/abs/2017AM-294649 (Invited Speaker).

_____, 2017f, The early oil industry and the first “Fracking:” Annual Meeting, MENSA, Pittsburgh, Pennsylvania, September 2 (Invited Speaker).

_____, 2017e, History of oil and gas in Pennsylvania, USA: The International Committee for the History of Technology (ICOHTEC) 44th symposium, Rio de Janeiro, Brazil, 23-29 July. (Paper read by Dr. Francesco Gerali).

_____, 2017c,d, Abraham Gesner – A pioneer of the modern oil industry: Drake Well Museum Petroleum Lecture Series, Titusville, Pennsylvania, April 6 (Invited speaker – afternoon Titusville High School; evening adults at Drake Well Museum).

_____, 2017a,b, The forgotten discoverer of kerosene – Abraham Gesner: Barbara Morgan Harvey Lecture Series, Venango College of Clarion University, Oil City, Pennsylvania, April 5 (Invited Speaker - morning middle school students; evening adults).

_____, 2016d, The early oil industry and the first “Fracking”: Northern Alleghenies Geological Society, Ebensburg, Pennsylvania, October 25 (Invited Speaker).

_____, 2016c. Katherine Van Winkle Palmer (1895-1982; The lady and her fossils: Geological Society of America Annual Meeting, Denver, Colorado, *2016 Abstracts with Programs*, v. 48, no. 7, doi: 10.1130/abs/2016AM-279326 (Invited Speaker).

_____, 2016b, Patrick C. Boyle (1846-1920) and John A. Mather (1829-1915); Chroniclers of the early Pennsylvania oil industry by word and image: Annual Meeting, MENSA, Pittsburgh, Pennsylvania, September 3 (Invited Speaker).

_____, 2016a, The early oil industry and the first “Fracking”: Northern Appalachian Landman’s Association Conference, Pittsburgh, Pennsylvania, March 17 (Invited Speaker).

_____, 2015e, A Photograph of the Beginning of the Industry that Changed the World: Geological Society of America Annual Meeting, Baltimore, Maryland, *2015 Abstracts with Programs*, v. 47, no. 7, p. 409 (Invited Speaker).

_____, 2015d, Iceland Geology: Geology Club, University of Pittsburgh at Johnstown, Johnstown, Pennsylvania, October 20.

_____, 2015c, Fracking – The Early Days: 2015 Shell Producers’ Conference May 20-22, Lake Charles, Louisiana (Invited Speaker)

_____, 2015b, P. C. Boyle and *The Oil Echo*: Petroleum History Institute Annual Meeting, May 1, Tulsa, Oklahoma, *Program and Abstracts*, p. 7

_____, 2015a, The Original *Frackers* and Others: Fossil Fuel Class, University of

Pittsburgh at Johnstown, Johnstown, Pennsylvania, March 27.

_____, 2014e, The Early Years of the West Virginia Oil and Gas Industry: West Virginia University, Department of Geology & Geography, November 6 (Invited Speaker).

_____, 2014d, Nobel's Invention in Early U. S. Oil fields – The Original *Frackers*: Cornell University, Earth & Atmospheric Sciences, Ithaca, NY (Invited Speaker), October 1.

_____, 2014c, Cornell Geology – The Early Years: Symposium Celebrating 125 years of Geological Society of America, Cornell University, Ithaca, NY (Invited Speaker), June 14.

_____, 2014b, Triumph over Adversity; Edwin Drake and Others: Dublin School; Dublin, NH; (Invited Earth Day Speaker) April 22.

_____, 2014a, "Fracking" - A Historical Perspective (Invited Banquet Speaker): Northeastern Section/Geological Society of America Annual Meeting, *2014 Abstracts with Programs*, v. 46, no. 2, p. 6.

_____, 2013g, P. C. Boyle (1846-1920) – The Voice of Early Oil and The Original *Anti-Fracker* – And the Roberts Brothers (Invited Paper): Drake Well Museum Fall Lecture Series, November 21.

_____, 2013f, P. C. Boyle (1846-1920) – the original *anti-fracker*, but for a different reason (Invited Paper): Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 45, no. 7, p. 689.

_____, 2013e, James Hall (1811-1898) – the first GSA President (Invited Paper): Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 45, no. 7, p. 212.

_____, 2013d, Nobel's invention in early U. S. oil fields (Invited Paper): BraNobel Conference, Stockholm Sweden, September 13-14, 2013 (Abst); , *BraNobel Conference Program & Abstracts*, NobelBrothers' 2nd International Research-Innovative Conference, p. 16.

_____, 2013c, P. C. Boyle – The voice of oil in the late 19th century: Keynote address, Unveiling of Historical Marker, Oil City, Pennsylvania, May 1.

_____, 2013b, The oceans of the world – at least some of them: Oceanography Classes, University of Pittsburgh at Johnstown, Johnstown, Pennsylvania, April 16 and 18.

_____, 2013a, History of Oil and Gas in Pennsylvania: Pennsylvania Council of Professional Geologists, Monroeville, Pennsylvania, April 18.

_____, 2012d, Edwin Drake and the Early Oil Industry: Annual Meeting, MENSA, Pittsburgh, Pennsylvania, September 1.

_____, 2012c, History of Oil and Gas in Pennsylvania: *Energy Symposium; Past, Present, and Future*, Pittsburgh Chapter, American Chemical Society, Drake Well Museum, Titusville, Pennsylvania, August 27.

_____, 2012b, Before Marcellus Shale: Lawyers as Catalysts of Pennsylvania's First Energy Boom: *The Steel Bar*, Symposium, University of Pittsburgh Law School, Law Review, March 28, Pittsburgh, Pennsylvania.

_____, 2012a, P. C. Boyle; *The voice of oil*: Petroleum History Institute Annual Meeting, March 9, Houston, Texas.

_____, 2011l, The Drake Well and Unintended Consequences: Bottle Works & Ethnic Arts Center, Johnstown, PA, November 11.

_____, 2011k, Climate Change – Past, Present and Future: College Club of Pittsburgh, PA. November 1

_____, 2011j, John Fulton – Industrialist and Geologist: Johnstown Area Heritage Association (JAHA), October 23.

_____, 2011i, Climate Change – Past and Present: Public Lecture, Grove Avenue United Methodist Church, Johnstown, PA, October 2.

_____, 2011h, The Drake Well and Unintended Consequences – Petroleum Geology and Exploration Geophysics, Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 43, no. 5, p. 313.

_____, 2011g, Ebenezer Baldwin Andrews (1821-1880) - Pioneer Oil Geologist: Petroleum History Institute Annual Meeting, June 24, Marietta, Ohio (Abst): *Oil-Industry History*, v. 12, no. 1, p. 164-165.

_____, 2011f, The Drake Well and Unintended Consequences (Keynote Address): Annual Meeting - Eastern Section/National Association of Geoscience Teachers, May 21, Johnstown. Pennsylvania.

_____, 2011e, Geology of the Johnstown Area: Hooversville Historical Society, May 15, Hooversville, Pennsylvania.

_____, 2011d, Around Tasmania: College Club of Pittsburgh, April 28.

_____, 2011c, Drake and the early oil industry: Somerset Historical Society, Somerset Pennsylvania, April 4.

_____, 2011b, Edwin Drake and oil in Western Pennsylvania: University Club/University of Pittsburgh, Pittsburgh, PA, March 23.

_____, 2011a, The Drake Well and the beginning of the modern oil industry: Northeastern & North Central Section/Geological Society of America Annual Meeting, March 20-22. *Abstracts with Programs*, v. 43, No. 1, p. 50.

_____, 2010c, Edwin Drake and His Legacy: Retired Teachers' Association, Longwood at Oakmont, Oakmont, Pennsylvania, September 29.

_____, 2010b, Edwin Drake and His Legacy: Pennsylvania Topographic & Geological Survey, Middletown, PA, September 10.

_____, 2010a, The Drake Well and unintended consequences: Symposium and Field Trips, Petroleum History Institute, Lafayette, Louisiana, April 29-May 1; *Oil-Industry History*, v. 11, no. 1, p. 192.

_____, 2009i, Edwin Drake and His Legacy - Book Launching: Bottle Works & Ethnic Arts Center, Johnstown, PA; December 20

_____, 2009h, Early Oil Pioneers of Pennsylvania: Friends of Mineralogy Annual Conference, Franklin and Marshall College, November 7.

_____, 2009g, Barbara Harvey Lecture Series, Clarion University of Pennsylvania - Venango Campus, October 22:

You, Oil, and Colonel Drake; Middle School Students

You, Oil and Colonel Drake; Franklin High School Students

The Legacy of Edwin L. Drake; Harvey Lecture

_____, 2009f, Edwin L. Drake, A Re-Introduction: College Club of Pittsburgh, October 13.

_____, 2009e, Edwin L. Drake, who was he and why do you know his name: International History of Geology Symposium #34, Fossils & Fuel Program, Calgary, Alberta, Canada, August 10-11 (Paper read by Keynyn Brysse)

_____, 2009d, Edwin L. Drake, A Re-introduction: 3rd Annual Summer Symposium, Paleontological Research Institution, Ithaca, New York, August 8.

_____, 2009c, Early Oil Pioneers of Pennsylvania: Meadville Historical Society, Meadville, PA, May 27,

_____, 2009b, Edwin L. Drake, who was he and why do you know his name: Symposium and Field Trips, Petroleum History Institute, Titusville, May 14-16; *Oil-Industry*

History, v. 10, no. 1, p. 162-163.

_____, 2009a, Oil Pioneers of Pennsylvania: East Capital Rotunda, Harrisburg, PA, Oil 150 Presentation, March 3.

_____, 2008a, Samuel M. Kier (1813-1874); the Oft-forgotten Oil Pioneer: The College Club of Pittsburgh, June 10.

_____, 2008b, Samuel M. Kier (1813-1874); the Oft-forgotten Oil Pioneer (Abst): Symposium and Field Trips, Petroleum History Institute, Sarnia, Ontario, Canada, May 7-10, *Oil-Industry History*, v. 9, no. 1, p. 181-182.

_____, 2007a, Gilbert D. Harris; Paleontologist-Educator-State Geologist, and Consultant: Paleontological Research Institution, 75th Anniversary Celebration; July 27, Ithaca, NY.

_____, 2007b, The Johnstown Floods - Revisited: The College Club of Pittsburgh, June 12.

_____, 2005a, Oil and Greek Fire: Petroleum History Institute Annual Meeting, Morgantown, WV, April 6-9; *Oil-Industry History*, v. 6, no. 1, p. 179.

_____, 2005b, Henry S. Williams and the Saratoga Springs Count Case: Northeastern Section/Geological Society of America Annual Meeting, March 14-16. *Abstracts with Programs*, v. 37, No. 1, p. 26.

_____, 2004a, Henry S. Williams and James Hall - A Close Encounter of the Real Kind: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 36, no. 5, p. 245.

_____, 2004b, Henry S. Williams and the Origin of the Pennsylvanian Period: Pennsylvania Mineral Symposium, The Pennsylvania State University, June 12.

_____, 2004c, Henry S. Williams and Punctuated Equilibria: King's College London, March 8

_____, 2003a, Gilbert D. Harris (1864-1952)-Cornell Professor, Louisiana State Geologist, and long distant oil consultant: Drake Well Foundation The History of the Oil Industry Symposium, Shreveport, Louisiana, March 26-29, in *Program, Abstracts, and Guidebook*, Mary Barrett (Ed.), p. 17; *Oil-Industry History*, v.5, no. 1, p. 98.

_____, 2003b, Henry S. Williams and GSA - Present at the beginning: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 35, no.6, p. 251.

_____, 2002a, The World of oil-Before the Drake Well: Pittsburgh Association of Petroleum Geologists, Monroeville, PA October 17.

_____, 2002b, Henry S. Williams (1847-1918) - thoughts on evolution: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 34, no. 6, p. 122-123.

_____, 2002c, The Nature of Glaciers: The College Club of Pittsburgh; October 10.

_____, 2002d, Citation for Robert K. Ridky - Eastern Section/NAGT Distinguished Service Award 2002: Annual Meeting, Eastern Section/NAGT. Frederick, MD, May 16-19, 2002.

_____, 2001a, Abraham Gesner (1797-1864): Petroleum Pioneer: *Program & Abstracts*, A Symposium on History of the Oil Industry, Oil City PA, June 20-23. *Oil-Industry History*, v. 2, no. 1, pg. 87-88.

_____, 2001b, Hartt and Brazil: (Invited Paper): Instituto de Geociencias, Universidade Estadual de Campinas (UNICAMP), Campinas, SP, Brazil, May 17.

_____, 2001c, Charles Frederick Hartt - Geologist and Teacher: Paleontological Research Institution, Ithaca, New York; Invited Lecture, March 3.

_____, 2000a, Geological models-then and now: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 32, no. 7, p. 87-88..

_____, 2000b, Drake was not the first: Annual Meeting, Eastern Section/American Association of Petroleum Geologists, London, Ontario, September 23-25.

_____, 2000c, Henry Shaler Williams (1847-1918) and the Pennsylvanian Period: Conference on the History of Geological Pioneers, Troy, NY, August 3-5, *Northeastern Geology and Environmental Sciences*, v. 22, no. 3, p. 248-249.

_____, 2000d, Citation for Brian B. Tormey - Eastern Section NAGT Distinguished Service Award for 2000: Annual Meeting Eastern Section/NAGT, West Virginia, May 2000.

_____, 1999, Henry Shaler Williams (1847-1918)-geologist, evolutionary biologist, or theologian; crossing boundaries: Geological Society of American Annual Meeting, *Abstracts with Programs*, v. 31, no. 7, p. 249.

_____, 1998a, Temporary grain-isolation on thin-sections: Presented as part of, "Laboratory Methods Workshop" sponsored by The National Association of Geoscience Teachers at the Geological Society of America Annual Meeting, Toronto, Canada.

_____, 1998b, Charles Frederic Hartt (1840-1878) and John William Dawson (1820-1899); a fruitful encounter for Canadian geology: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 30, no. 7, p. A-212.

_____, 1998c, Petroleum exploration; pre-Drake Well: Eastern Section/American Association of Petroleum Geologists Annual Meeting, *Program with Abstracts*, p. 12,

_____, 1998d, Geology and real estate investments (Invited Paper): Singapore Science Center,

_____, 1997a, Citation for Kennard Bork, History of Geology Awardee 1997: History of Geology Division/Geological Society of America Annual Meeting, Salt Lake City, Utah.

_____, 1997b, The man who really made *The Origin of Species* possible - Captain Robert Fitz-Roy, Captain of *H.M.S. Beagle* (Abst): Geological Society of America Annual Meeting, *Abstract with Programs*, v. 29, no. 6, p. A327.

_____, 1997c, Charles Frederic Hartt and the Brazilian Geological Survey (Invited Paper): Keele University, Staffordshire, England, May 23.

_____, 1997d, Gilbert Dennison Harris - Paleontologist, Teacher, and Consultant (Invited Paper), Northern Alleghenies Geological Society, Ebensburg, PA, May 2.

_____, 1997e, John Fulton and the Second Pennsylvania Geological Survey: Southeastern Section/Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 30, no. 4, p. 5.

_____, 1996, Gilbert Dennison Harris - Paleontologist, Teacher, Consultant (Abst): History of Oil and Gas Exploration in North America, Drake Well, Titusville, PA, July 18-20, p. 5.

_____, 1993, Gilbert Dennison Harris - A life among fossils (Invited Paper): 61st Anniversary Celebration, Paleontological Research Institution, Ithaca, NY, August 15.

_____, 1992a, Charles Frederic Hartt (1840-1878) and Illustrations (Abst): Geological Society of America Annual Meeting, *Abstracts with Program*, v. 24, no. 7, p. A125.

_____, 1992b, Geology as others see us (Invited Paper) Friends of Mineralogy Pennsylvania Chapter Annual Meeting, *Eastern Mineralogy, Maine to Florida-A Symposium*, p. 9.

_____, 1992c, Life and work of Charles Frederic Hartt (Invited Paper - Matthew Fellowship): New Brunswick Museum, St. John, NB, August 12.

_____, 1992d, Charles Frederic Hartt (1840-1878) - the early Canadian years (Abst):The History of Earth Sciences and Northeastern Science Foundation Meeting, July 29-August 1, *Abstracts and Program*, p. 18; *Northeastern Geology*, v. 14, no. 4, p. 264.

_____, 1992e, In search of Charles Frederic Hartt - Impressions of Brazil (Invited Paper): Andes Institute, Geological Sciences Department, Cornell University, June 23.

_____, 1992f, Charles Frederic Hartt - Who was he? (Invited Paper): Instituto de Geociencias, Universidade Estadual de Campinas (UNICAMP), Campinas, SP, Brazil, June 1.

_____, 1992g, Geology and the future (Invited Paper): Instituto de Pesquisa Tecnologicas, São Paulo, Brazil, May 27.

_____, 1992h, Charles Frederic Hartt before the AComissao Geologica do Brazil@ (Invited Paper): Cia. De Pesquisa dos Recursos Minerais, Rio de Janeiro, RJ, Brazil, May 19.

_____, 1992i, Trends in geoscience education in the United States (Invited Paper): Instituto de Geociencias, Universidade Estadual de Campinas (UNICAMP), Campinas, SP, Brazil, May 13.

_____, 1992j, Geology in the class room(Invited Paper): Instituto de Geociencias, Universidade Estadual de Campinas (UNICAMP), Campinas, SP, Brazil, May 8.

_____, 1991, Hartt and Brazil (Invited Paper): Andes Institute
Geological Sciences Department, Cornell University, Ithaca, NY, July 26.

_____, 1990a, Gilbert Dennison Harris; paleontologist-teacher-printer (Abst): Geological Society of America Annual Meeting *Abstracts with Programs*, v. 22, no. 7, p. 119-120.

_____, 1990b, Early Cornell Geologists (Invited Paper): Franklin and Marshall College, Lancaster PA, March 13.

_____, 1988a, The Cornell Williamses and GSA (invited Paper): Symposium-The Geological Society of America Centennial, Cornell University, June 9.

_____, 1988b, Impressions of the west (Invited Paper): Carnegie Museum-Public Seminars.

_____,1987a, The role of simplicity in geology: Symposium-Aesthetic Factors in Natural Science: Center for the Philosophy of Science, University of Pittsburgh, December 11-12.

_____, 1987b, Cornell, Charles Frederick Hartt, and Brazil (Abst.): The Geological Society of America Annual Meeting, *Abstracts with programs, 1987 annual meeting.*, v. 19, no. 7, p. 601.

_____, 1987c, European influence on modern science and its influences on curriculum development (Invited Paper): Alumni College Program, University of Pittsburgh at Johnstown Homecoming, October 17.

_____, 1987d, Geology as others see us (Invited Paper): Buffalo Association of Professional Geologists.

_____, 1987e, Rt. 30-near Breezewood, Pennsylvania: Northeastern Section Annual Meeting/Geological Society of America, *Abstracts with Programs*, v. 19, no. 1, p. 7.

_____, 1986a, Geology as others see us (Invited Paper): New York State Geological Association, Annual Meeting, Ithaca, New York:

_____, 1986b, Cornell University campus - Ithaca, NY: Northeastern Section/Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 18, no. 1, p. 6.

_____, 1984a, Cornell Geology-the early years (Invited Paper): Dedication of Snee Hall, Department of Geological Sciences, Cornell University.

_____, 1984b, Humor in nineteenth century geology (Invited Paper): Annual Banquet, SUNY-College at Brockport, Brockport, New York.

_____, 1983a, Nineteenth century geologic humor (Invited Paper): Pittsburgh Geological Society, Annual Banquet, Pittsburgh, PA.

_____, 1983b, Humor in the nineteenth century and geological education in the twentieth century: Northeastern Section Annual Meeting/Geological Society of America, *Abstracts with Programs*: v. 15, no. 1, p. 195.

_____, 1983c, R. S. Tarr and the Arctic: University of Massachusetts-Amherst, *Abstracts of the 12th Arctic Workshop*. p. 17-18.

_____, 1982, Traditions in glacial geology at Cornell University: Geological Society of America Annual Meeting, *Abstracts with Programs*: v. 14, p. 451.

_____, 1981b, Science and excellence: (Invited Keynote Address), Annual College

Science Convocation, Loch Haven State University, Loch Haven, PA.

_____, 1981b, Science and humor: Pennsylvania Science Teachers Association Annual Meeting, Harrisburg, PA.

_____, 1981c, Science and excellence: Pennsylvania Science Teachers Association Annual Meeting, Harrisburg, PA.

_____, 1980a, Geology, humor, and education: Geological Society of America Annual Meeting, *Abstracts with programs*, v. 12, no. 7, p. 392.

_____, 1980b, Impressions of the West (Invited Keynote Address): Annual College Science Convocation, Loch Haven State College, Loch Haven, PA.

_____, 1980c, Science and science fiction: Pennsylvania Science Teachers Association Annual Meeting, Harrisburg, PA.

_____, 1980d, History of the geologic time scale (Invited Paper): Geology Department, The University of Tasmania, Hobart Tasmania.

_____, 1980e, Science and humor (Invited Paper): Tasmanian College of Advanced Education, Hobart, Tasmania, Australia.

_____, 1980f, Geology and the cartoonist (Invited Paper): Tasmanian College of Advanced Education, Hobart, Tasmania, Australia.

_____, 1980g, Geology and the cartoonist (Invited Paper): Geology Department, University of Tasmania, Hobart, Tasmania, Australia.

_____, 1980h, Charles Lyell and Northeast geology: Northeastern Section Annual Meeting/Geological Society of America, *Abstracts with Programs*: v. 12, no. 2, p. 26.

_____, 1979a, *Geology-Familiarly Illustrated* (1859 geological time scale): Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 11, no. 7, p. 394.

_____, 1979b, Murchison and Sedgwick-thunder in our past (Invited Paper): Physics & Geology Department, Towson State University.

_____, 1979c, Impressions of the west (Invited Paper): Sweet Briar College, Sweet Briar, VA.

_____, 1979d, Impressions of the west (Invited Paper): Tasmanian College of Advanced Education and The University of Tasmania, Hobart, Tasmania, Australia.

_____, 1979e, Science and the affective-geology model: Pennsylvania Science Teachers Association, Pittsburgh, PA.

_____, 1978a, Impressions of the west (Invited Paper): Tasmanian College of Advanced Education and Rosney Secondary College, Hobart, Tasmania, Australia.

_____, 1978b, Perspectives in geology (Invited Paper): The University of Tasmania, Hobart, Tasmania, Australia.

_____, 1977, Coal is not forever (Invited Paper): Alternative Energy Symposium, University of Pittsburgh at Johnstown, Johnstown, PA, p. 3.

_____, 1976, Astronomy and science fiction: National Science Teachers Association Annual Meeting, Philadelphia, PA.

_____, 1971, Subsolidus phase relations in the system $\text{CaCO}_3\text{-MgCO}_3\text{-SrCO}_3\text{-BaCO}_3$: Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 3, no. 7, p. 513.

Co-authored Presentations:

ADOMITES, Paul and **BRICE**, William R., 2012, The original “Frackers”: Annual Meeting, Charlotte, NC, Geological Society of America *Abstracts with Programs*, v. 44, no. 7, p. 520.

AMBROSE, Jennifer and **BRICE**, William R., 2007, Humor and the Oil Industry: Petroleum History Institute Annual Meeting, Long Beach, CA, March 29-31, *Oil-Industry History*, v. 8, no.1, p. 135.

BRICE, William R. and ALFORD, Brian, 1979, Science in Tasmanian Schools: Pennsylvania Science Teachers Association Annual Meeting, Pittsburgh, PA.

BRICE, William R. and BLACK, Marilyn, 2011, 150 years of producing oil – McClintock Well Number 1 (1861-2011): *Oil-Industry History*, v. 12, no. 1, p. 155-158.

BRICE, William R. and BROWN, Larry D, 2014b, 2014a, COCORP – a great idea and those behind it: (Invited Paper), Geophysical Class, University of Pittsburgh at Johnstown, November 5.

_____, 2014a, COCORP – a great idea and those behind it: (Invited Paper) Annual Meeting, Vancouver, BC, Canada, 20 October, Geological Society of America *Abstracts with Programs*, v. 46, no. 6, p. 405.

BRICE, William R. and FIGUEIRÔA, Silvia F. de M, 1993, Charles Frederic Hartt and nineteenth century geological exploration in Brazil - the human cost: *Geological Sciences in*

Latin America-scientific relations and exchanges (INHEGEO Meeting July 1993), UNICAMP, Campinas, SP, Brazil.

_____, 1992, Hartt, Agassiz, and Pleistocene Glaciation in Brazil: Geological Society of America Annual Meeting, *Abstracts with Program*, v. 24, no. 7, p. A38.

BRICE, William R., and KAKTINS, Uldis, 1991, Taughannock Gorge near Ithaca, New York: Northeastern and Southeastern Sections Annual Meeting, Geological Society of America, *Abstracts with Program*, v. 23, no. 1, p. 11.

BRICE, William R. and SILLIMAN, R. H., 1997, Lyell and the coalfields of North America: The Bicentennial Conference; Charles Lyell and James Hutton, London, *Lyell Meeting Program*, p. 15.

CHELIUS, Sean and **BRICE**, William R., 2000, Petrography of selected samples of the top 1860 feet of Drill Core NM-3; Duluth Complex, Minnesota: North-Central Annual Meeting, *GSA Abstracts with Programs-North-Central Section*, v. 32, no. 4, p. A-9.

CHURCH, William R. and **BRICE**, William R., 2007, The Serendipitous Link Between Caledonian-Appalachian Eclogites and Ophiolites: Northeast Section 42nd Annual Meeting, *GSA Abstracts with Programs*, v. 39, no. 1, p. 50.

FIGUEIRÔA, Silvia F. de M. and **BRICE**, William R., 2001, Charles F. Hartt (1840-1878); personal/professional conflicts: Geological Society of America, *Abstracts with Program*, v. 33, no. 7, p. A-246

_____, 2000, A toy-shop for boys - the views of Charles Frederic Hartt and his pupils about Brazilian nature: International Geological Congress, Rio de Janeiro, Brazil, August 3-5.

_____, 1996, Far-reaching influence of geological surveys in the United States - the Brazilian model: Geological Society of America Annual Meeting, *Abstracts with Program*, v. 28, no. 7. P. A221.

_____, 1993, Charles Frederic Hartt and Brazilian exploration-the human cost: International History of Geology Symposium, Campinas, SP, Brazil.

JONES, Sara and **BRICE**, William R., 2017, Abraham Gesner (1797-1864) Revisited: Putting Oil History in the Classroom (Abst): Petroleum History Institute Annual Meeting, Findlay, Ohio, July 14, *Program and Abstracts*, p. 13; *Oil-Industry History*, v. 18, no. 1, p. 197.

KAKTINS, Uldis and **BRICE**, William R., 1990a, Enfield Gorge; Ithaca, New York (Invited

Paper): Eastern Section/National Association of Geology Teachers Annual Meeting, State College, PA.

_____, 1990b, Enfield Gorge; Ithaca, New York: Northeastern Section Annual Meeting, Geological Society of America, *Abstracts with Program*, v. 22, no. 2, p. 27.

_____, 1985, The Conemaugh Gap-a unique geological laboratory: Northeastern Section Annual Meeting/Geological Society of America, *Abstracts with Programs*, v. 17, no. 1, p. 7.

LINT, Brenda and **BRICE**, William R., 1985, Petrographic manual for petrology laboratory: Northeastern Section Annual Meeting, Geological Society of America, *Abstracts with Program*, v. 17, no. 1, p. 32.

Mir-Babayev, Mir-Yusif and **BRICE**, William R., 2019, The World's First Oil Well: Northern Alleghenies Geological Society, Meeting March 19 (Invited presentation)

_____, 2018, The World's First Oil Well: Friends of Drake Well, Annual Meeting, August 19 (Invited presentation)

PEES, Samuel T. and **BRICE**, William R., 1998, History of petroleum resources-the American beginning (Invited Paper): American Association for the Advancement of Science Annual Meeting, Philadelphia, PA, *Abstracts*, p. A-33.

POBORSKY, Scott W., THOMAS, Craig M., and **BRICE**, William R., 1999, Petrographic analysis of a diabase sheet from the Newark Basin, Bucks County, Pennsylvania: Northeastern Section/Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 31, no. 2, p. A-61

SORKHABI, Rasoul, SPENCER, Jeff, and **BRICE**, William R., 2015, Toward a database on the history of petroleum: Petroleum History Institute Annual Meeting, May 1, Tulsa, Oklahoma, *Program and Abstracts*, p. 14

TORRENS, Hugh and **BRICE**, William R., 1997, James Buckman and the coal fields along the Guyandotte River: Southeastern Section/Geological Society of America Annual Meeting, *Abstracts with Programs*, v. 30, no. 4, p. 6

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2019a: *History of the European Oil and Gas Industry* Edited by: J. Craig, F. Gerali, F. MacAulay, and R. Sorkhabi: *IHIGEO Annual Record*, No. 51: International Commission on the

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1983: *Classic mineral localities of the world-Asia and Australia:* By Philip Scalisi and David Cook: In: *Journal of Geological Education*, v. 31, p. 342.

_____: *Physical Geology, 6th Edition:* By L. Don Leet, Sheldon Judson, and Marvin Kaufman: In: *Journal of Geological Education*, v. 31, p. 342.

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1978: *The earth through time: By Harold Levin: In: Journal of Geological Education*, v. 27, p.28.

1976: *Geology-the paradox of man: by Keith Young: In: Journal of College Science Teaching*, v. 5, p. 331.

CONTINUING EDUCATION:

1999: Teaching Undergraduate Geology - Short Course
Evolution and Creationism - A Continuing Problem - Short Course
Geological Society of America - Denver, October 23-24.

1998: Philosophical Problems in the Historiography of Science
Center for the Philosophy of Science
University of Pittsburgh, November 14-15.

____: Seminar - Directing Undergraduate Research - Strategies for Success, and
Workshop on Innovative and Effective Techniques for Teaching Geoscience
Annual Meeting, Geological Society of America
Toronto, October 25.

1997: Paleosols - Short Course
Annual Meeting, Geological Society of America
Salt Lake City, Utah, October 18.

1992: Use of Television in geology Classes-Short Course
Annual Meeting, Geological society of America
Cincinnati, Ohio

1989: Appalachian Geomorphology - William Morris Davis Re-visited
Symposium, Dickinson College, Carlisle, Pennsylvania

____: Microtextures of Sheared Rocks
Short course - Annual Meeting Northeastern Section/Geological Society of America
New Brunswick, New Jersey

1988: Technical Writing for Geologists
Short Course - Annual Meeting, Geological Society of America
Denver, Colorado

- 1987: Teaching the History of Geology
Short Course - Annual Meeting, Geological Society of America
Phoenix, Arizona
- 1986: Disposal of Low-level Radioactive Waste-Symposium
American Institute of Professional Geologists.
- 1985: Writing for the Geoscientist - Short Course
Annual Meeting, Geological Society of America
- 1983: Charles Darwin - A Contemporary View
Symposium - Millersville University
- ____: Microcomputers in Geological Education
Short Course - Annual Meeting
Geological Society of America
- 1981: Mineral Economics Symposium
Am. Inst. of Mining, Metallurgical and Petroleum Engineers; Washington, D. C.
- 1980: Cosmology - Chautauqua Short Course
Temple University, Philadelphia.
- ____: Coal Petrography - Short Course
Central Section/Geological Association of America
Annual Meeting, University of Indiana.

STUDENT RESEARCH PROJECTS:

- 2000: Photographic Atlas of Igneous Textures
Laura Thomas
- 1999: Petrography of Drill Core NM-3, Duluth Complex, Minnesota.
Sean Chelius
- 1998: Mineral Analysis-Pennsylvania Diabase Drill Core
Scott Poborsky and Craig Thomas
- 1983: Petrographic Manual
Brenda Lint
- ____: Mauch Chunk Correlations
Kim Matthews
- 1982: Loyalhanna Outcrops - Conemaugh Gorge Area
Brenda Hockensmith and Thomas Mourey
- 1981: Description of the Diabase and Geology-Gettysburg, PA
Patrick Bowling
- 1980: Mass Wasting on the UPJ Campus
Richard Borkowski, Daniel Pfahl, and Richard Wolfson

- ____: Petrographic Analysis of Drill Core NM-7; Duluth Complex
Greg Bunk
- 1979: Loyalhanna Limestone - Depositional Environment
John Peters and John Ninesteel
- ____: The Frostline and Soil Temperature
Donald Gibson and John Zubal
- 1976: Strip mine Reclamation
Mark Horn
- 1975: The Effects of Sulphur Pollution on the Weathering Process
Denis Zielinski.