ACADEMIC AND PROFESSIONAL HISTORY

June 2022

WILLIAM R. BRICE

Professor Emeritus, Geology & Planetary Science University of Pittsburgh at Johnstown Johnstown, PA 15904-3068 USA

wbrice@pitt.edu www.williamrbrice.com

EDUCATION:



Mike Henderson Photo

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: General: Geology

Special: History of the Oil and Gas Industry

Special: History of Geology

Special: Astronomy (Solar System)

Special: Mineralogy

Special: Igneous & Metamorphic Petrology

Special: Soil Science

Special: History & Philosophy of 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

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 1987-Present Associate

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/Math Teacher (Physics & Mathematics) 1960-62

Australian Broadcasting Company Studio Teacher 1963-65 Initial Educational Television Programing in Tasmania

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.

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.

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

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 Albert Nelson Marquis Lifetime Achievement Award, 2020

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 Ensine 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, Journal of Geoscience Education ³	1985-1989
Member, NAGT Field Camp Scholarship Review Committee	1985-1989

Eastern Section/NAGT

/9	
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 20th and 21st 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; 2019-2021

Mary C. Rabbitt Fund

Chair, Proposal Review Committee 2007-2017 Secretary/Treasurer/Newsletter Editor 1998-2007

Chair, Awards Committee 1996-1997, 2013, 2019-2021

Member, North American Section 1996-1998 Hutton-Lyell Bicentenary 1997-1998 Committee Meetings-London and Edinburgh August 1997

and Toronto 1998

² Formerly "National Association of Geology Teachers."

³ Formerly "Journal of Geological Education."

Chair	1995-1996
First Vice-Chair	1994-1995
Second Vice-Chair	1993-1994
Chairman, Nominating Committee	1985-1989
Member, Review Committee DNAG V	Volume1984-1985
C	1

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 Drake Well 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 2013-2021 Board of Directors 2003-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 Bradford 150th/50th Celebration September 18-19, 2021

Annual Meeting – Symposium Chair 2008-Present

Conference Chair, PHI Pittsburgh 2013 Conference Co-Chair, PHI Bradford 2014 Conference Co-Chair, PHI Saint John 2019 Conference Co-Chair, PHI Pittsburgh 2021

Friends of Drake Well, Inc.

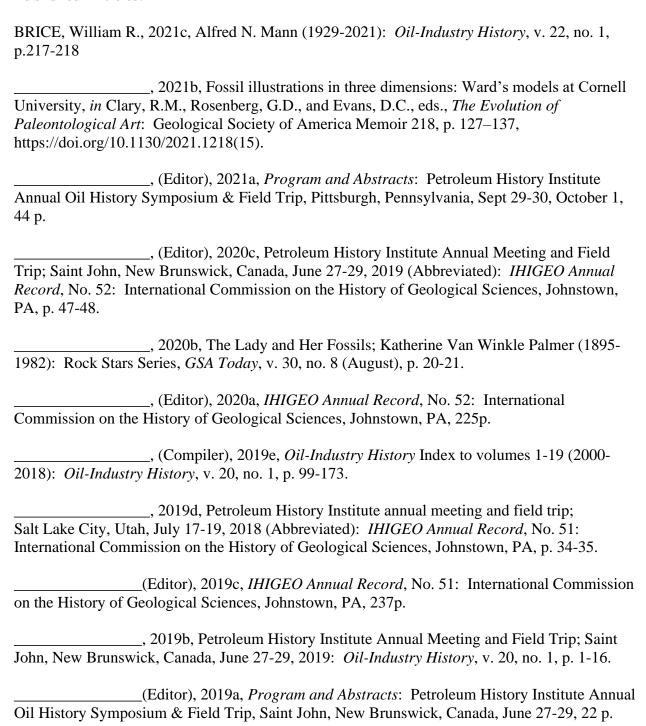
Member Board of Directors 2015-2021 Member, Advisory Board 2021-Present International Commission on the History of Geological Sciences (INHIGEO) Elected to Membership June 2014 Editor, Annual Report 2016-2020.

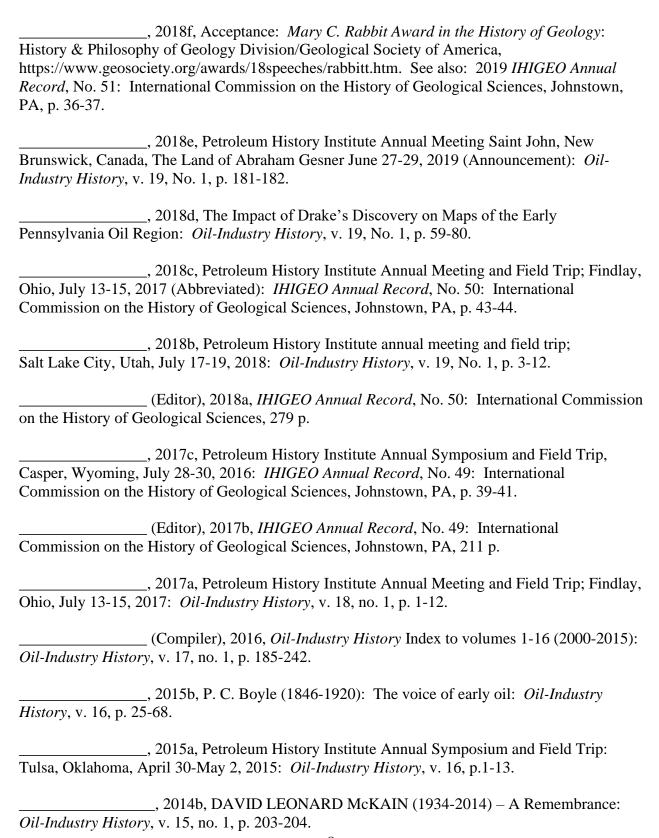
Licensed Professional Geologist New Hampshire 2003-2013

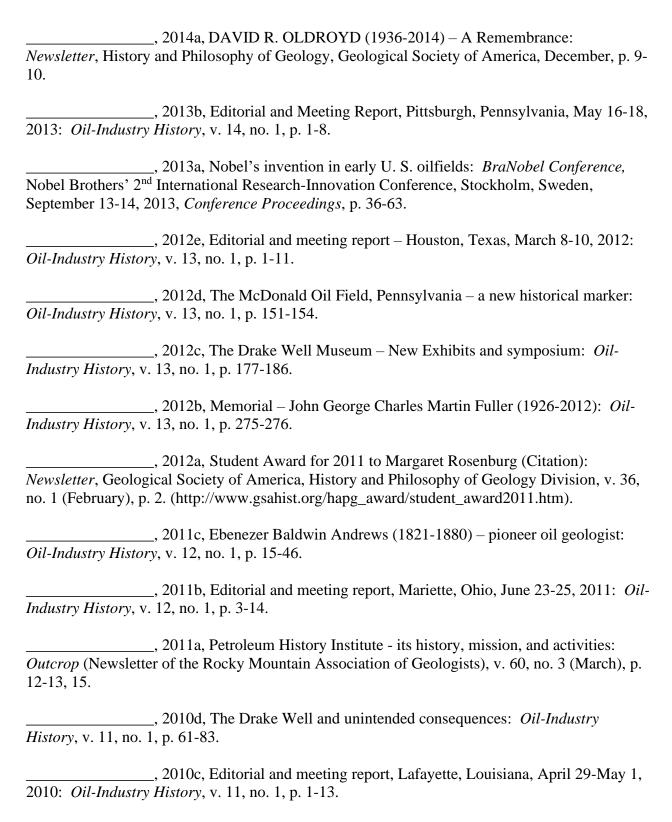
Baku Media Centre, Baku, Azerbaijan, June 2018
Petroleum History Consultant and On-camera interviewee
Film: *Heritage*; the story of the Nobel Brothers Petroleum Company
Directed by: Zaur Gasimli
Released in 2020

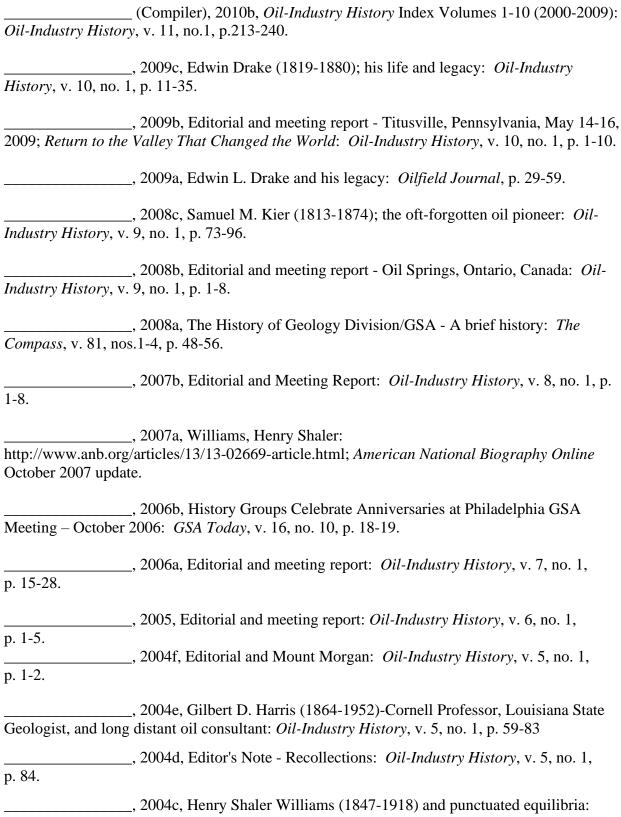
PUBLICATIONS

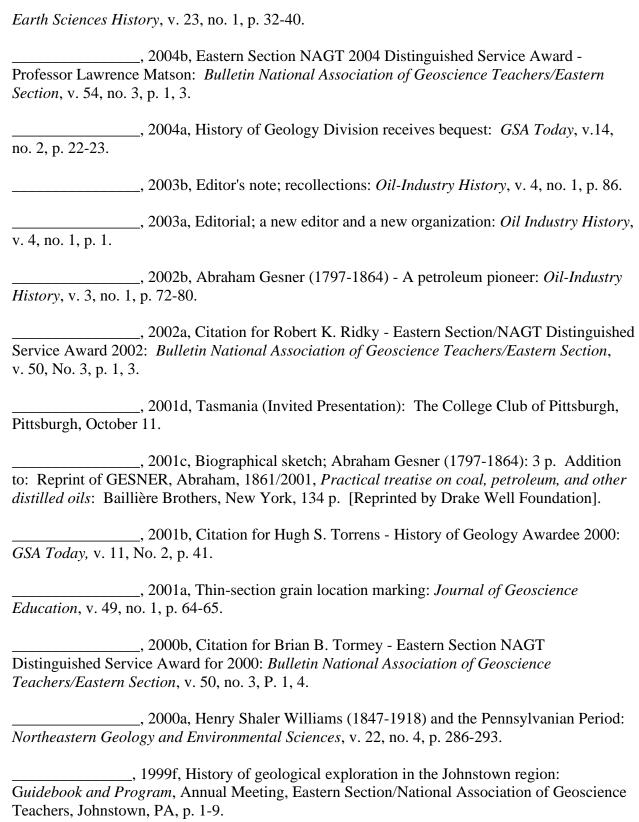
Published Articles:

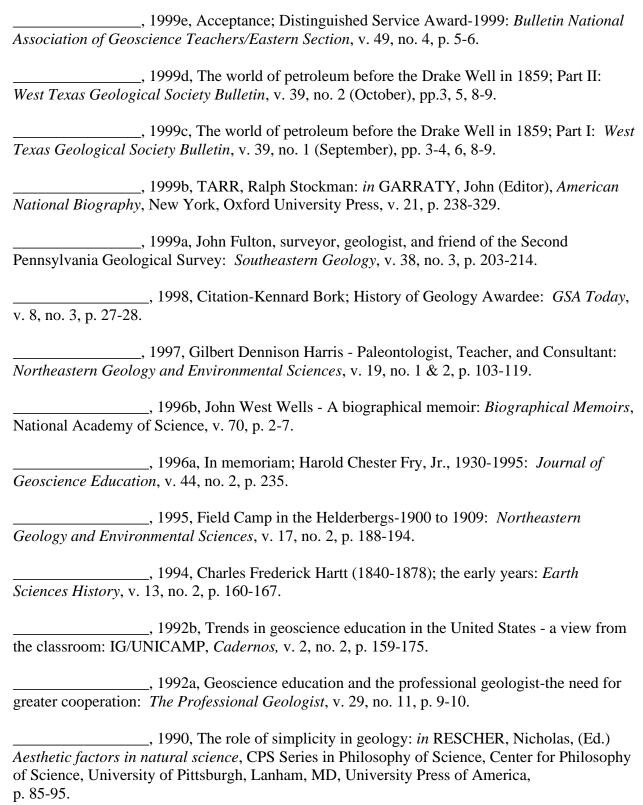


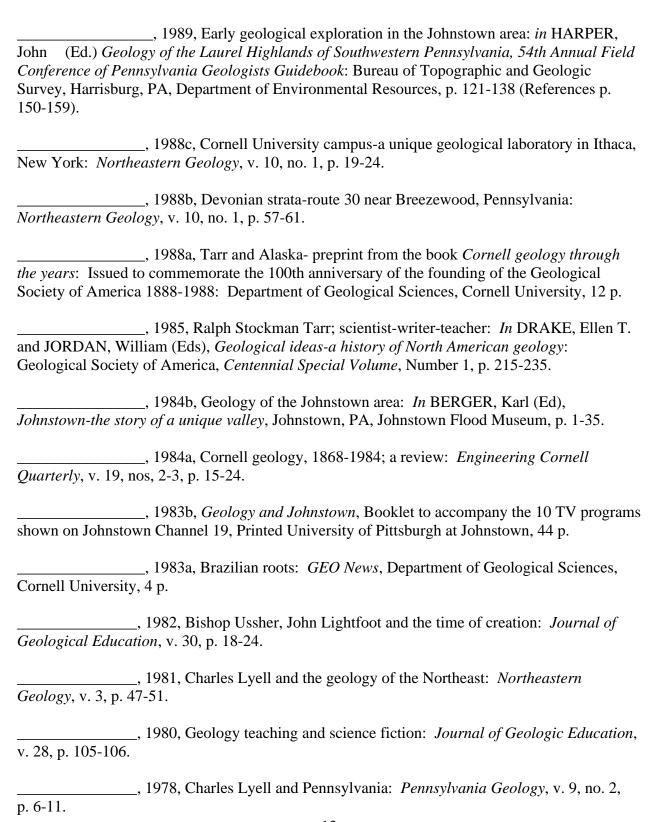












_____, 1977, Astronomy-fact and fiction: Journal of College Science Teaching, v. 8 p. 107-110. **Co-authored Publications:** AMBROSE, Jennifer and BRICE, William, 2007, Drilling the Munchausen Well; humor and the oil industry: Oil-Industry History, v. 8, no. 1, p. 69-82, Plus Foldout Page. BREY, G., 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, 2021, Petroleum History Institute annual meeting and field trip; Pittsburgh, Pennsylvania, September 29-30, October 1, 2021: Oil-Industry *History*, v. 22, no. 1, p. 1-14. ____, 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 MgCO₃-CaCO₃-BaCO₃, MgCO₃-CaCO₃-SrCO₃, and MgCO₃-SrCO₃-BaCO₃: 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. _____, 2001a, 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.

BRICE, William R., KUNITOMI, Dale S., MULQUEEN, Stephen P., and GRIGGS, David W. (Eds), 2022, *Petroleum History Institute 2022 annual symposium and field trip*: Santa Barbara, California, May 17-19, Petroleum History Institute, 101 p.

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), 1996, *History of oil and gas exploration in North America*: Symposium at the Drake Well Museum, July 18-20, 1996: Proceedings Volume, 23 p.

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., TESTA, Stephen, CLARKE, Donald, and SILVERMAN, Matthew (Eds), 2022, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Santa Barbara, California, May 17-19, 52 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.

CHANG, Luke L. Y., and **BRICE**, William R., 1972, Subsolidus phase relations in aragonite-type carbonates; II. The systems CaCO₃-SrCO₃-PbCO₃ and CaCO₃-BaCO₃-PbCO₃: *American Mineralogist*, v. 57, nos. 1-2, p. 155-168.

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.

FIGUEIRÔA, Silvia, **BRICE**, William R., and LOPES, Margaret, 2021, Orville Adelbert Derby (1851–1915) and Brazilian Geology: INHIGEO Anniversary Series, *IUGS E-Bulletin* (http://www.inhigeo.com/anniversaries/INHIGEO_Anniversary_Derby.pdf)

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

Society: Johnstown Meeting May 4, 25 p. , 1985, Field Trip Guide for Pittsburgh Geological p.

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.

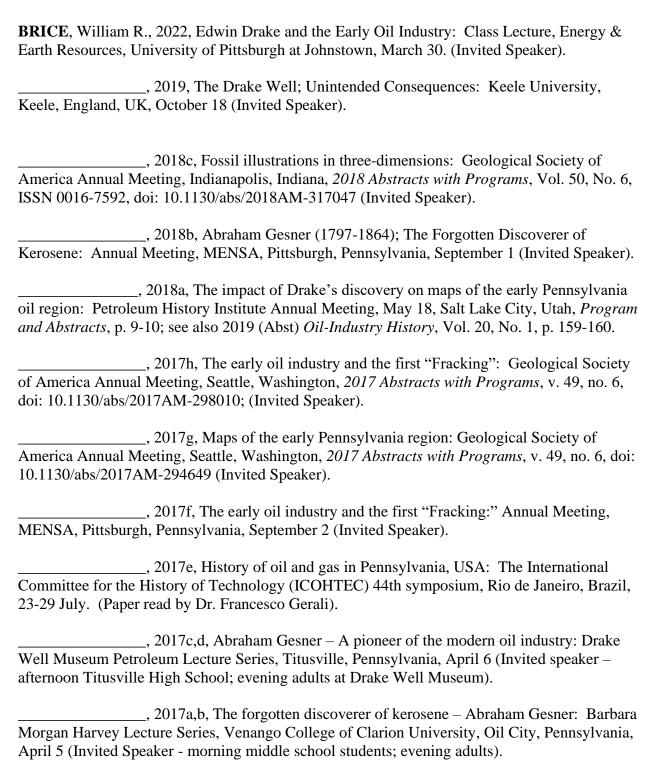
SPENCER, Jeff and **BRICE**, William R., 2017, *Program and Abstracts*: Petroleum History Institute Annual Oil History Symposium & Field Trip, Findlay, Ohio, July 13-15, Petroleum History Institute, Oil City, PA, 65 p.

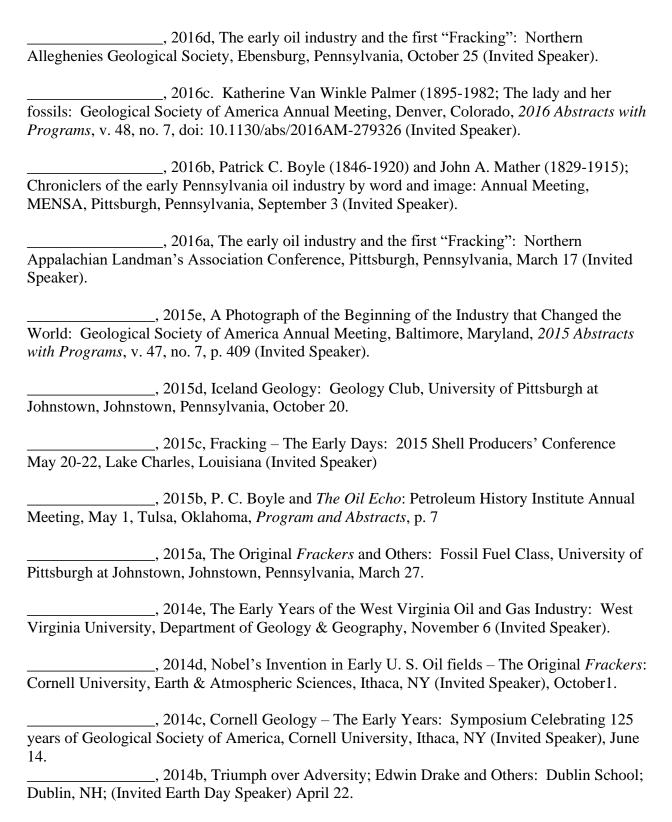
TORRENS, Hugh S. and **BRICE**, William R., 1999, James Buckman (1814-1884) English consulting geologist and his visit to the Guyandotte coal-fields in 1854: *Southeastern Geology*, v. 38, no. 3, p. 191-201.

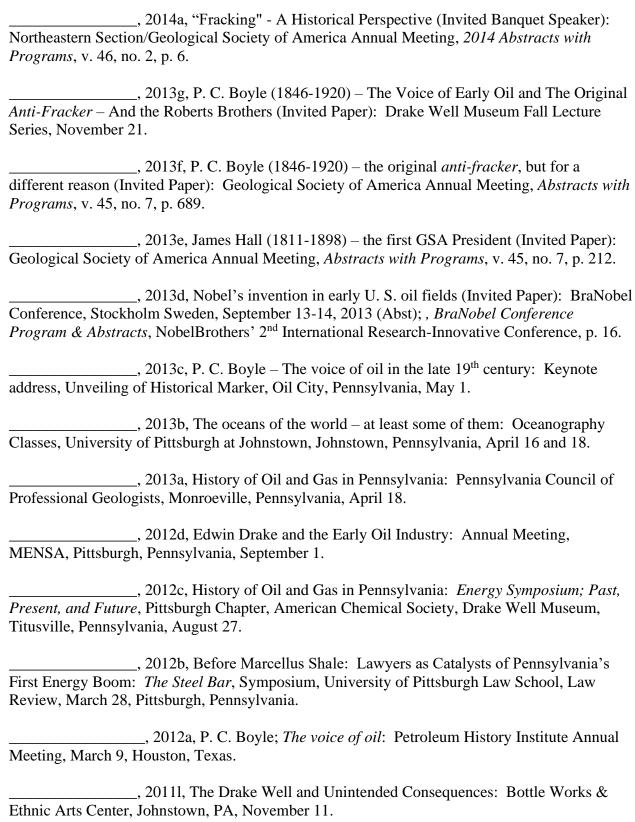
Books:

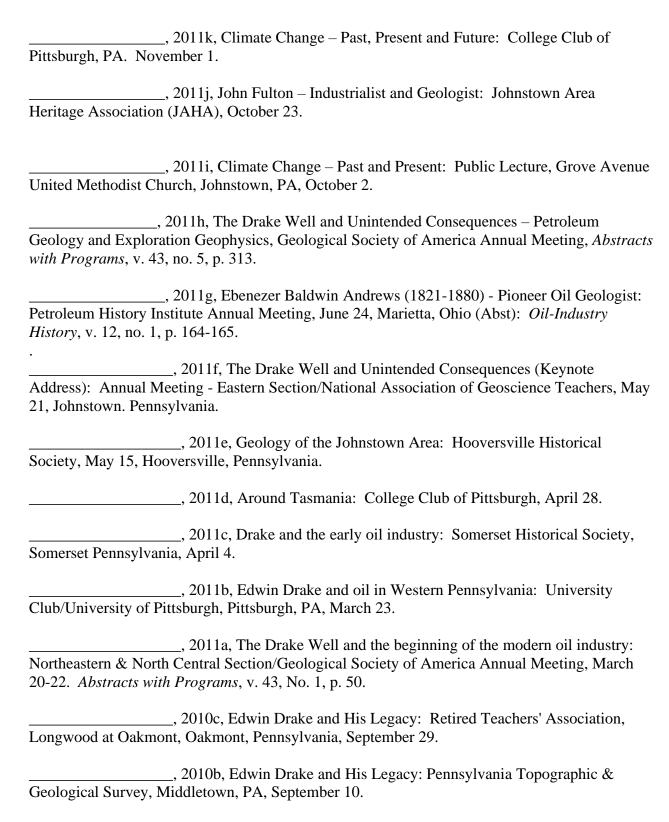
BRICE , William R., 2009, <i>Myth, legend, reality; Edwin L. Drake and the early oil industry</i> : Oil City, PA, Oil City, Pennsylvania, Oil Region Alliance, 661 p.
, 1996, Gilbert Dennison Harris - a life among fossils: <i>Bulletins of American Paleontology</i> (Single-paper Issue), v. 109, #350, (September 16), 153 pp.
, 1989, <i>Cornell geology through the years:</i> 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.)
Books, Co-authored:
BRICE , William R., CURRY , William J., KAKTINS , Uldis, and THORNE , Barbara, 1977, <i>Hiker's guide to the Laurel Highlands trail</i> , 2nd Edition, Sierra Club of Pittsburgh, Pennsylvania.
80 p.

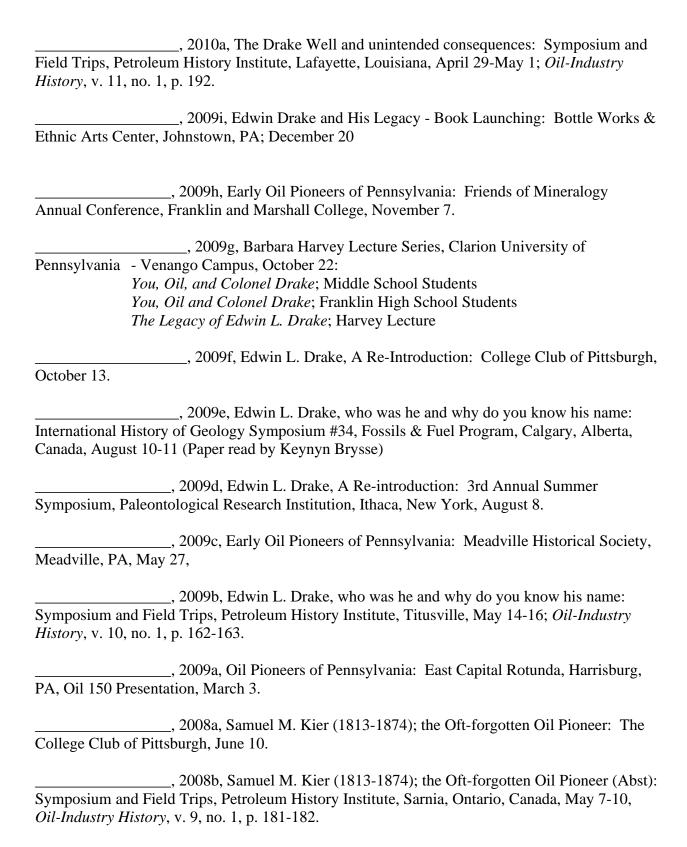
Professional Presentations:

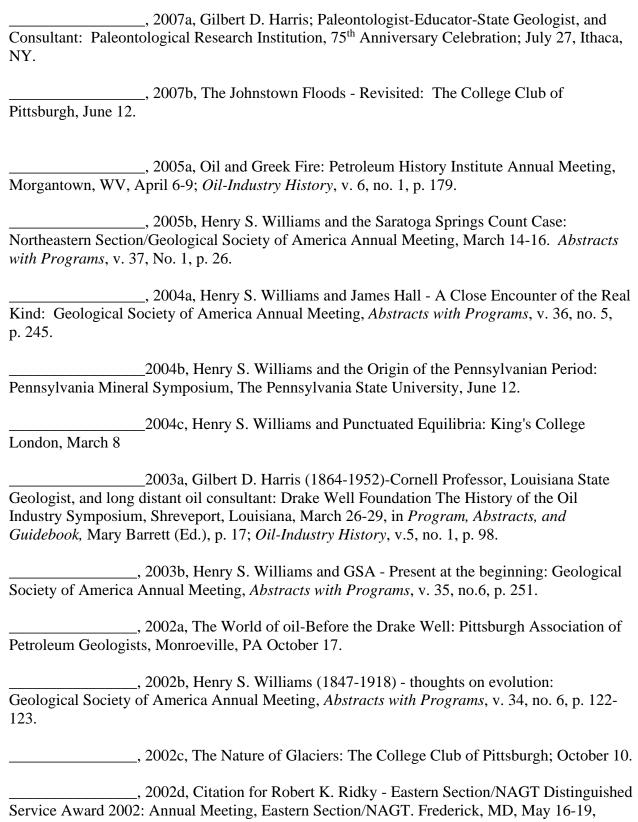


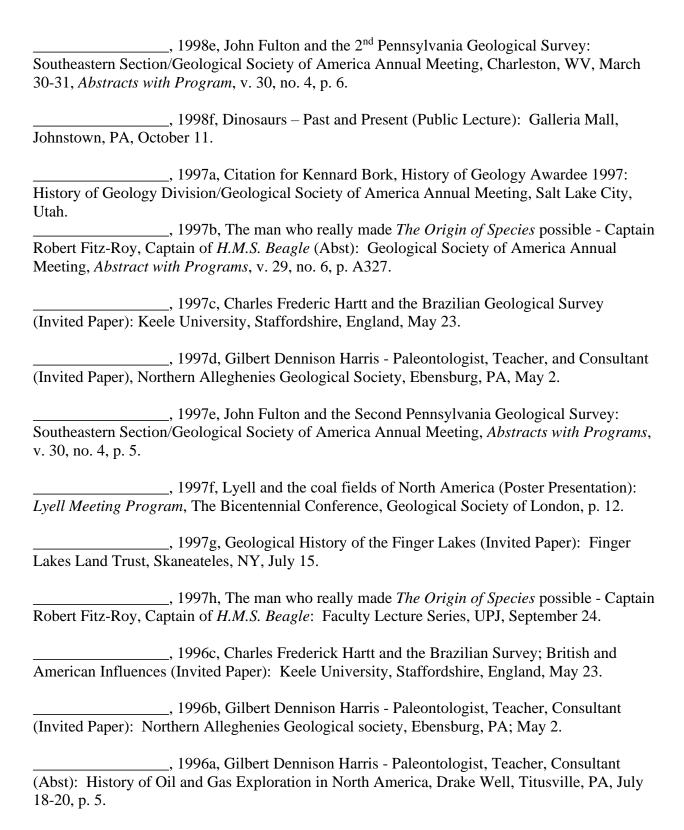


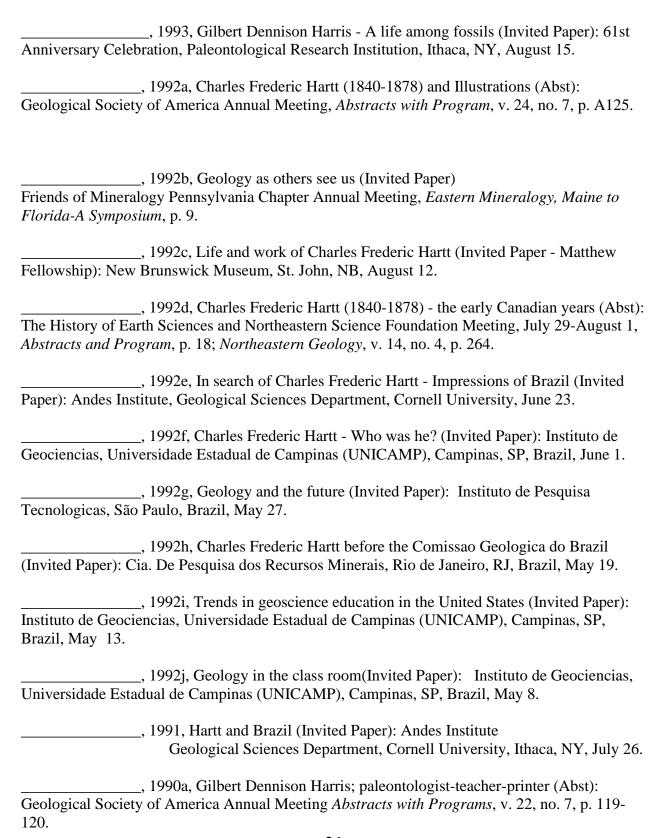












, 1990b, Early Cornell Geologists (Invited Paper): Franklin and Marshall College, Lancaster PA, March 13.
, 1988b, Impressions of the west (Invited Paper): Carnegie Museum-Public Seminars.
, 1987d, Geology as others see us (Invited Paper): Buffalo Association of Professional Geologists.
, 1986a, Geology as others see us (Invited Paper): New York State Geological Association, Annual Meeting, Ithaca, New York:
, 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, <i>Abstracts with Programs</i> : v. 15, no. 1, p. 195.
, 1983c, R. S. Tarr and the Arctic: University of Massachusetts-Amherst, <i>Abstracts of the 12th Arctic Workshop</i> . p. 17-18.
, 1983d, Geology and Johnstown: 10 one-hour video tapes broadcast on Channel 19 (Johnstown), January – March.
, 1983e, Geologic Scenery of Tasmania: Sierra Club of Johnstown, February 15.
, 1982, Traditions in glacial geology at Cornell University: Geological Society of America Annual Meeting, <i>Abstracts with Programs</i> : v. 14, p. 451.
, 1981a, 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, <i>Abstracts with programs</i> , 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, <i>Abstracts with Programs</i> : v. 12, no. 2, p. 26.
, 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, November 19.
, 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.
, 1979f, Experimental Petrology in Tasmania: Natural Science Lecture Series, UPJ.
, 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.
, 1977a, Coal is not forever (Invited Paper): Alternative Energy Symposium University of Pittsburgh at Johnstown, Johnstown, PA, p. 3.
, 1977b, Impressions of the West: Keynote Speaker. Biology Honor Fraternity Annual Banquet, Washington & Jefferson College, Washington, PA, May 2.
, 1976a, Astronomy and Science Fiction: National Science Teachers Association Annual Meeting, Philadelphia, PA.
, 1976b, Lunar Rocks in Thin-Sections: Natural Science Lecture Series, UPJ.

, 1976c, Petrology of the Moon: Natural Science Lecture Series, UPJ.
, 1976d, The Far South West: Quarter Century Club, Penn Traffic company, Johnstown, PA, April 21.
, 1976e, Geology; A personal view: Local Television Channel 19, January 25.
Co-authored Presentations:
ADOMITES, Paul and BRICE , William R., 2012, The original "Frackers": Annual Meeting, Charlotte, NC, Geological Society of America <i>Abstracts with Programs</i> , 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, O <i>il-Industry History</i> , 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): <i>Oil-Industry History</i> , 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.
BRICE , William R. and FIGUEIRÔA, Silvia F. de M, 1993, Charles Frederic Hartt and nineteenth century geological exploration in Brazil - the human cost: <i>Geological Sciences in Latin America-scientific relations and exchanges</i> (INHEGEO Meeting July 1993), UNICAMP, Campinas, SP, Brazil.
, 1992, Hartt, Agassiz, and
Pleistocene Glaciation in Brazil: Geological Society of America Annual Meeting, <i>Abstracts with Program</i> , 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.

BRICE, William R. and UPJ Mineralogy Students, 2000, Rocks and Minerals: Conemaugh Township Intermediate School, January 13.

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: Northeaster 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);

College, PA.

KAKTINS, Uldis and **BRICE**, William R., 1990a, Enfield Gorge; Ithaca, New York (Invited Paper): Eastern Section/National Association of Geology Teachers Annual Meeting, State

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

Book Reviews:

2021: *Anointed with oil; how Christianity and crude made modern America* by Darren Dochuk: In *Oil-Industry History*, v. 22, no. 1, p. 183-184.

2020c: Environmental Considerations Associated with Hydraulic Fracturing Operations; Adjusting to the Shale Revolution in a Green World By James A. Jacobs and Stephen Testa (2019): In *IHIGEO Annual Record*, No. 52: International Commission on the History of Geological Sciences, Johnstown, PA, p. 89-91

2020b: *History, Exploration & Exploitation of Oil and Gas* Edited by Silvia Fernanda Figueirôa, Gregory Good, and Drielli Peyerl (2019): In *IHIGEO Annual Record*, No. 52: International Commission on the History of Geological Sciences, Johnstown, PA, p. 93-94. Also in *Oil-Industry History*, v. 21, no. 1, p. 80-82.

2020a: *The Oil of Brazil: Exploration, Technical Capacity, and Geoscience Teaching (1864-1968)* by Drielli Peyerl (2019): In *IHIGEO Annual Record*, No. 52: International Commission on the History of Geological Sciences, Johnstown, PA, p. 91-92. Also in *Oil-Industry History*, v. 21, no. 1, p. 79-80.

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2019b: *History of the European Oil and Gas Industry* Edited by: J. Craig, F. Gerali, F. MacAulay, and R. Sorkhabi (2018): In *Earth Sciences History*, v. 38, no. 2, p. 434-435.

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2014c: *Oil and Gas in Pennsylvania* (3rd Edition) By K. J. Flaherty and Thomas Flaherty, III (2014): In *Oil-Industry History*, v. 15, no. 1, p. 198.

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2011a: *The Golden Lane* Faja de Oro, By Sam L. Pfiester: In *Oil Industry History*, v. 12, no. 1, p. 188.

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2003a: *The Great Barrier Reef; History, Science, Heritage*, by James Bowen and Margarite Bowen: In *South Asian Review*, v. 24, no. 2, p. 239-242.

2002c: Strata Smith deserves better - The map that changed the world: William Smith and the birth of modern geology, by Simon Winchester: In American Paleontologist, v. 10, no. 4, p. 13-15.

2002b: The Age of the Earth: From 4004 BC to A. D. 2002, (Eds) S. J. Knell and C. L. Lewis: In Isis, v. 93, no. 3 (September), p.470.

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2001: *The Dating Game...*, by Cherry Lewis: In *American Paleontologist*, v. 9, no. 2 (May), p. 10-11.

1998: *When geologists were historians, 1665-1750*: By Rhonda Rapport: In: *GSA Today* v. 8, no. 11, p. 14-15.

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1995: Fossils-the key to the past, New Edition: By Richard Fortey: In: Journal of Geological Education, v. 43, p. 585.

1994: Cracking rocks and defending democracy-Kirtley Fletcher Mather; scientist, teacher, social activist, 1888-1978: By Kennard Bork: In: Earth Sciences History, v. 13, no. 2, p. 187.

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1990: *Dinosaurs past and present*; Vol. I and Vol. II: Edited by Silvia J. Czerkas and Everett C. Olson: In: *Journal of Geological Education*, v. 38, p. 473.

1988: BRIEFLY NOTED:

A field manual for the amateur geologist-tools and activities for exploring our planet: By Alan M. Cyancara.

Radioactive waste-issues and answers.

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American Institute of Professional Geologists.

Circum-Pacific Region, Pacific Basin Sheet

Energy-resources map of the Circum-Pacific region

American Association of Petroleum Geologists

On rare and scattered metals-tales about metals

By S. I. Venetsky.

Tucson Meteorites-their history from frontier Arizona to the Smithsonian:

By Richard R. Willey

Earth resources, 3rd Editon: By Brian Skinner.

In: Journal of Geological Education, v. 36, p. 45.

1987: *The solar system-observations and interpretations*: Edited by Margaret G. Kivelson: IN: *Journal of Geological Education*, v. 35, p. 171-172.

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1986: *Dictionary of Rocks*: By Richard S. Mitchell: In: *Journal of Geological Education*, v. 34, p.350.

____: The evolving continents, 2nd Edition: By Brian F. Windley: In: Journal of Geological Education, v. 34, p. 212-213.

____: Petrology of igneous and metamorphic rocks: By Donald W. Hyndman: In: Journal of Geological Education, v. 34, p.213-214.

1984: *Mineralogy-concepts and principles*: By Tibor Zoltai and James Stout: In: *Journal of Geological Education*, v. 32, p. 342.

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.

1982: *Economic mineral deposits*: By Mead L. Jensen and Alan M. Bateman: In: *Journal of Geological Education*, v. 30, p. 179.

1981: Rocks and minerals: By Richard Dietrich and Brian Skinner: In: Journal of Geological Education, v. 29, p. 195.

_____: Earth, space and time-an introduction to earth science: By John Navarra: In: Journal of College Science Teaching, v. 10, no. 4, p. 250.

1979: Reply and comment: Review of: The earth through time: By Harold Levin: In: Journal of Geological Education, v. 27. p. 177-178.

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

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 : The Mercer Underclay of Southern Cambria County Jeff Miller : Analysis and Log of Core Sample – Southern Kaweshiwi, Duluth Complex, Minn. David Wilcox : Soil Temperature-Frostline Fluctuations Thomas Bachovin 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 : The Effects of Acid Mine Drainage David Gallo 1975: The Effects of Sulphur Pollution on the Weathering Process Denis Zielinski.