

RICHARD ALLEN ASHMORE

P.O. Box 325

Orange, TX 77631-0325

E-mail: richard@richardallenashmore.com

Education

<i>Institution</i>	<i>Degree</i>	<i>Date Awarded</i>	<i>GPA</i>	<i>Honors</i>
Texas Tech University, Lubbock, TX	M.Sc. (Geology)	12/20/03	4.000	
Lamar University, Beaumont, TX	B.Sc. (Geology)	5/15/99	4.000	Summa Cum Laude
Lamar University, Beaumont, TX	B.Sc. (Earth Science)	5/15/99	4.000	Summa Cum Laude
Lamar State College, Orange, TX	A.Sc. (Mathematics)	5/97	4.000	Summa Cum Laude
Lamar State College, Orange, TX	A.Sc. (Computer Science)	12/96	4.000	Summa Cum Laude
Lamar State College, Orange, TX	A.Sc. (Natural Science)	8/94	4.000	Summa Cum Laude
Little Cypress-Mauriceville High School, Orange, TX	High School Diploma	5/91	5.59	Magna Cum Laude

Cumulative Undergraduate Semester Credit Hours Completed: 240

Cumulative Graduate Semester Credit Hours Completed: 132

Graduate Semester Credit Hours Completed Beyond Masters (primarily in Biology): 48

BIOL Graduate Semester Credit Hours Completed: 49

GCH Graduate Semester Credit Hours Completed: 7

GEOL Graduate Semester Credit Hours Completed: 70

STAT Graduate Semester Credit Hours Completed: 3

ZOOL Graduate Semester Credit Hours Completed: 3

Masters Specialization: Foraminiferal Biostratigraphy, Paleoecology, Paleontology, Stratigraphy, and Sedimentology

Thesis Title: **Foraminiferal biostratigraphy and petrography of the Lower Pen Formation (Upper Cretaceous), Big Bend Region, Trans-Pecos Texas.** Advisor: Dr. Tom Lehman

Research/Career Interests: college professor; stratigraphy; sedimentology; paleontology; paleoecology; ecology; photography (documentary, fine art, landscape, nature, repeat photography, and 3-D); science and environmental education, coastal processes and geomorphology

Professional Experience

Instructorships/Professorships

<i>Institution</i>	<i>Rank</i>	<i>Appointment</i>
Stephen F. Austin State University, Nacogdoches, TX	Adjunct Faculty in Geology	5/12-6/12
Blinn College – Bryan, TX	Adjunct Instructor of Geology	1/11-5/11
Lone Star College – Tomball, Tomball, TX	Adjunct Instructor of Geology	1/11-5/11
Lone Star College – Montgomery, Conroe, TX	Adjunct Instructor of Geology	1/10-5/11
San Jacinto College – Central, Pasadena, TX	Adjunct Professor of Geology	1/10-5/10
Lamar University, Beaumont, TX	Instructor of Geology	8/04-5/10
Texas Tech University, Lubbock, TX	Instructor of Strategies for Learning	1/02-5/08
Texas Tech University, Lubbock, TX	Instructor of Geology	1/01-5/03
Lamar State College – Orange, Orange, TX	Adjunct Instructor of Geology	8/97-5/98; 1/05-5/05

Laboratory Instructor (LI) and/or Teaching Assistant (TA)

<i>Institution</i>	<i>Title</i>	<i>Course</i>	<i>Appointment</i>
Texas Tech University, Lubbock, TX	TA	Biology of Animals	1/08-5/08
Texas Tech University, Lubbock, TX	TA	Human Physiology	1/06-5/07
Texas Tech University, Lubbock, TX	TA	General Biology I	8/05-12/05

Laboratory Instructor (LI) and/or Teaching Assistant (TA) (cont.)

<i>Institution</i>	<i>Title</i>	<i>Course</i>	<i>Appointment</i>
Texas Tech University, Lubbock, TX	TA	Honors Integrated Science I	8/02-12/02
Texas Tech University, Lubbock, TX	TA	Physical Geology	8/99-12/00
Lamar University, Beaumont, TX	TA	Statistics and Data Analysis in Geology	1/98-5/98
Lamar University, Beaumont, TX	LI	Physical and Historical Geology	8/97-5/99
Lamar State College – Orange, Orange, TX	LI	Physical Geology	8/97-12/97

Professional Experience (cont.)**Research Assistant**

<i>Institution</i>	<i>Laboratory</i>	<i>Period of Appointment</i>
Texas Tech University, Lubbock, TX	Sedimentology and Paleontology Laboratory	5/03-8/03
Lamar University, Beaumont, TX	Earth and Space Resources Laboratory	7/98-5/99
Lamar University, Beaumont, TX	Sedimentology and Paleontology Laboratory	9/94-5/99

Other Work Experience:

<i>Employer</i>	<i>Work Description</i>	<i>Period of Appointment</i>
Richard Allen Ashmore Fine Prints (Self)	Artist (Photographer)	07-present
BIOS: A Classroom on Wheels, Orange, TX	Geology Instructor	6/04
Lamar University, Department of Geology, Beaumont, TX	Computer Technician	8/97-5/98
Self	Tutor (Comp. Sci., Math)	92-93
Lamar State College, Orange, TX	Tutor (Comp. Sci., Math, Handicapped Students)	1/92-5/93

Courses Developed and Taught (Total Number of Courses for which Instructor-of-Record: 85)**On-campus (Face-to-Face)**

- GEOL 1403 General Geology I (Freshman-level Lecture and Lab) - A study of earth materials (rocks and minerals), gradation (erosion and deposition), diastrophism (earth movements and mountain building), volcanism and earth resources.
- Course Credits: 4, Times Taught: 32
- GEOL 1404 General Geology II (Freshman-level Lecture and Lab) - A study of the history and evolution of the earth and life from the beginning of time to the present.
- Course Credits: 4, Times Taught: 16
- GEOL 1405 Environmental Geology (Freshman-level Lecture and Lab) - An analysis survey of geologic processes, their influence on people and the influence of human activities on the environment.
- Course Credits: 4, Times Taught: 1
- GEOL 3600 Geology Field Camp (Junior-level 6-week Field Course) – Capstone course for undergraduate geology majors. Description of stratigraphic sections, preparation of geologic maps and field reports. Fieldwork conducted at locations in Arizona, Colorado, New Mexico, Texas, and Utah.
- Course Credits: 6, Times Taught: 4
- BIOL 1406 General Biology I (Freshman-level Lab) - Fundamentals of molecular biology, cell biology, genetics, and evolutionary theory.
- Course Credits: 1, Times Taught: 2
- BIOL 1413 Biology of Animals (Freshman-level Lab) - An introductory coverage of animal-environment interactions and animal structure, function, and behavior as they relate to our understanding of the animal world.
- Course Credits: 1, Times Taught: 2
- BIOL 2402 Human Physiology (Sophomore-level Lab) - In-depth study of human physiology.
- Course Credits: 1, Times Taught: 4

On-campus (Face-to-Face) (cont.)

HONS 2405 Honors Integrated Science I (Freshman-level Lab) - An integrated science course introducing students, in an interdisciplinary way, to physics and chemistry.
- Course Credits: 1, Times Taught: 2

XL 0201 Strategies for Learning (Lecture) - Explores strategies for academic success and personal management and techniques for implementation of those strategies.
- Course Credits: 3, Times Taught: 10

Online

GEOL 1403 General Geology I (Freshman-level Lecture and Lab) - A study of earth materials (rocks and minerals), gradation (erosion and deposition), diastrophism (earth movements and mountain building), volcanism and earth resources.
- Course Credits: 4, Times Taught: 7

GEOL 1404 General Geology II (Freshman-level Lecture and Lab) - A study of the history and evolution of the earth and life from the beginning of time to the present.
- Course Credits: 4, Times Taught: 1

GEOL 4301 Dinosaurs (Senior-level Lecture) - An introduction to the study of dinosaurs, including their biology, classification, evolution, and extinction.
- Course Credits: 3, Times Taught: 2

GEOL 4301 Wind and Waves (Senior-level Lecture) - An introduction to the study of the coastal landscape (geomorphology), including its features and evolution, as well as the natural and artificial processes that effect and shape this landscape.
- Course Credits: 3, Times Taught: 3

College-level Academic Courses for which Instructor-of-Record

<i>Course</i>	<i>Level</i>	<i>Course Credits</i>	<i>Times Taught</i>	<i>Contact Hours</i>	<i>Cumulative Contact Hours</i>
BIOL 1406 General Biology I (Lab Only)	Freshman	1	2	48	96
BIOL 1413 Biology of Animals (Lab Only)	Freshman	1	2	48	96
BIOL 2402 Human Physiology (Lab Only)	Freshman	1	4	48	192
GEOL 1403 General Geology I	Freshman	4	17	96	1632
GEOL 1403 General Geology I (online)	Freshman	4	7	96	672
GEOL 1403 General Geology I (Lab Only)	Freshman	1	15	48	720
GEOL 1404 General Geology II	Freshman	4	10	96	960
GEOL 1404 General Geology II (online)	Freshman	4	1	96	96
GEOL 1404 General Geology II (Lab Only)	Freshman	1	6	48	288
GEOL 1405 Environmental Geology	Freshman	4	1	96	96
GEOL 3600 Geology Field Camp	Junior	6	4	288	1152
GEOL 4301 Dinosaurs (online)	Senior	3	2	48	96
GEOL 4301 Wind and Waves (online)	Senior	3	3	48	144
HONS 2405 Integrated Science I (Lab Only)	Freshmen	1	2	48	96
XL 0201 Strategies for Learning	Freshmen	3	10	48	480

Total Number of Courses for which Instructor-of-Record: 85
Total Number of Contact Hours while Instructor-of-Record: 6,816

Research

Post-Graduate Research

2005 - present. **Coastal Processes and Tropical Cyclone Development: Their Effects on the Louisiana and Texas Gulf Coasts**, Principal Investigators: **Richard A. Ashmore** and Donald E. Owen, Lamar University, Beaumont, TX.

2009 - 2010. **Quantitatively Measuring the Effectiveness of College Online Science Courses**, Principal Investigators: **Richard A. Ashmore** and Donald E. Owen, Lamar University, Beaumont, TX.

Graduate Research

- 2006 - 2008. **Quantitatively Measuring Historical Landscape Change, Big Bend Region, Trans-Pecos Texas**, Principal Investigator: **Richard A. Ashmore**, Texas Tech University, Lubbock, TX.

Graduate Research (cont.)

- 2003 - 2004. **Sedimentology, Stratigraphy, Paleontology, and Depositional History of the Black Peaks Formation (Paleocene, Tornillo Group), Big Bend Region, Trans-Pecos Texas**, Principal Investigator: **Richard A. Ashmore**, Texas Tech University, Lubbock, TX.
- 1999 - 2003. **Foraminiferal Biostratigraphy and Petrography of the Lower Pen Formation (Upper Cretaceous), Big Bend Region, Trans-Pecos Texas**, Principal Investigator: **Richard A. Ashmore**, Texas Tech University, Lubbock, TX.

Undergraduate Research

- 1998-1999. **Design and Launch of a Scientific Payload on a Hyperion I Rocket**, Principal Investigators: Dr. Jim Jordan, Professor of Geology and Dr. George Irwin, Assistant Professor of Physics, Lamar University, Beaumont, TX.
- 1998-1999. **Acceleration of a Tethered Mass in Micro-gravity**, Principal Investigators: Dr. Jim L. Jordan, Professor of Geology and Dr. George M. Irwin, Assistant Professor of Physics, Lamar University, Beaumont, TX.
- 1998-1999. **ASTOR (Advanced Safety Tether Operations and Reliabilities) Satellite Program Team**, Principal Investigators: Dr. Jim L. Jordan, Professor of Geology and Dr. George M. Irwin, Assistant Professor of Physics, Lamar University, Beaumont, TX.
- 1998-1999. **Laser-heated Carbothermal Reduction of Lunar Soil Simulant**, Principal Investigators: Dr. George M. Irwin, Assistant Professor of Physics, and Dr. Jim L. Jordan, Professor of Geology, Lamar University, Beaumont, TX.
- 1996-1999. **Sedimentological, Paleontological, and Stratigraphic Analysis of an Ox-bow Lake and River Deposit, Willis Formation, Tyler County, Texas**, Principal Investigator: **Richard A. Ashmore**, Lamar University, Beaumont, TX.
- 1995-1996. **Salt Domes of the Upper Texas Gulf Coast**, Principal Investigator: **Richard A. Ashmore**, Lamar University, Beaumont, TX.
1994. **Wake Shield Facility Satellite Flight Program Team**, Principal Investigator: Dr. Jim L. Jordan, Professor of Geology, Lamar University, Beaumont, TX.
- 1994-1999. **Cyclostratigraphic Analysis of Late Cretaceous Carbonate Platforms, Big Bend Region, Trans-Pecos Texas**, Principal Investigator: Dr. James B. Stevens, Professor of Geology, Lamar University, Beaumont, TX.
- 1992-1993. **Development of Multimedia Computer Systems and Programs for Educational Use**, Principal Investigator: Rajiv Malkan, Assistant Professor of Computer Science, Lamar State College, Orange, TX.
- 1990-1999. **Eocene Nearshore Marine and Lagoonal Deposits, Yegua Formation, Sabine County, Texas**, Principal Investigator: **Richard A. Ashmore**, Lamar University, Beaumont, TX.

Publications

Articles

Published (Peer-reviewed)

2012. **Ashmore, R.A.** and Owen, D.E., **The Geomorphological Effects of Geotextile Tubes Emplaced Along a Transgressive Coastline and Their Consequences**, in *Key Concepts in Geomorphology*, W. H. Freeman Publisher.
2012. Owen, D.E. and **Ashmore, R.A.**, **Chenier Formation and Types, Southwestern Louisiana, Gulf of Mexico Coast**, in *Key Concepts in Geomorphology*, W. H. Freeman Publisher.
2011. Owen, D.E. and Head, C.F, Editor: **Ashmore, R.A.**, **San Juan Gas Field and Reservoirs**, Field Trip Guidebook for the 59th Meeting of the American Association of Petroleum Geologist - Rocky Mountain Section Annual Meeting.
2009. Satterfield, J.I. and **Ashmore, R.A.**, **Overview of Recent Mountain-Building Events in the Big Bend Region, West Texas and Northern Mexico**, in *Journal of Borderland Studies*, 35, <http://www.borderlandstudies.net/2008edition/>.
2008. **Ashmore, R.A.**, **Tropical Cyclone Development, Structure, and Impact on the Louisiana-Texas Coast**, in **Moore, G., ed.: Geological Society of America Field Guide 14**, pp. 39–47.
2008. **Ashmore, R.A.** and Owen, D.E., **Chenier Plain Road Log**, in **Moore, G., ed.: Geological Society of America Field Guide 14**, pp. 49–54.

Published (Non Peer-reviewed)

1996. Ashmore, R.A., Boggan, B.D., Hiu, M.K., A Plio-Pleistocene Ox-bow Lake and River Deposit, in Transect of the Upper Texas Gulf Coast: Geology, Resources, Environment, Field Trip Guidebook for the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS), pp.65-74.
1996. Ashmore, R.A., Emplacement and Origin of Salt Domes, in Transect of the Upper Texas Gulf Coast: Geology, Resources, Environment, Field Trip Guidebook for the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS), pp.31-34.
1996. Ashmore, R.A., Formation and Classification of Typical Salt Domes, Upper Texas Gulf Coast, in Transect of the Upper Texas Gulf Coast: Geology, Resources, Environment, Field Trip Guidebook for the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS), pp. 80-91.

M.Sc. Thesis

2003. Ashmore, R.A. Foraminiferal biostratigraphy and petrography of the Lower Pen Formation (Upper Cretaceous), Big Bend Region, Trans-Pecos Texas. Texas Tech University. pg. 204.

Textbooks Reviewed for Publishers

2005. Tarbuck, Edward J. and Lutgens, Frederick K., Earth: An Introduction to Physical Geology, 8th ed., Upper Saddle River, New Jersey: Pearson Prentice Hall.

Presentations

Published Abstracts

2010. Ashmore, R.A., and Owen, D.E., Documenting Channel Deposits in the White Rock Mesa Member, Dakota Sandstone at Red Wash, NM: Using Advanced Equipment and Methods to Produce a High-Resolution, Large-Scale Panoramic Photograph for Field Documentation, Publication, and Presentation, in The American Association of Petroleum Geologists, Rocky Mountain Section Program and Abstracts of Papers, pg. 39.
2010. Ashmore, R.A., and Owen, D.E., Coastal Erosion Along the Upper Texas Coast Between High Island and Sea Rim State Park, in The Association of Environmental and Engineering Geologists Shlemon Specialty Conference Program: Modern Subsidence, Sea-Level Rise, and the Future of the Gulf Coast, pg. 25.
2010. Owen, D.E., Ashmore, R.A., and Owen, C.J., Enhancing Hurricane Impacts Through Coastal Engineering, in The Association of Environmental and Engineering Geologists Shlemon Specialty Conference Program: Modern Subsidence, Sea-Level Rise, and the Future of the Gulf Coast, pg. 23.
2010. Ashmore, R.A., Owen, D.E., and Austin, S.N., The Attraction of Poor-Quality College Students to Online, "Lab"-based Freshman Geology Courses: It's Ability to Deteriorate the Virtual Classroom Environment and Broader Proficiency at Undermining the Quality of Higher Education, in The 113th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pp. 170-171.
2009. Ashmore, R.A. and Owen, D.E., Comparison of Hurricane Ike With Other Major Hurricanes That Have Struck the Upper Texas and Southwestern Louisiana Gulf Coasts, in The 112th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 84.
2009. Owen, D.E., Ashmore, R.A., and Owen, C.J., How to Enhance Property Destruction by Hurricanes by Installing Geotubes on Eroding Beaches--The Saga of Hurricane Ike at Gilchrist, Texas, in The 112th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 85.
2009. Ashmore, R.A. and Owen, D.E., Post-Hurricane Ike Erosion Study Along the Upper Texas Gulf Coast Between Sabine Pass and High Island, in The 112th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pp. 85-86.
2009. Ashmore, R.A., Owen, D.E., and Owen, C.J., The Effects of Rollover Pass on the Bolivar Peninsula During Hurricane Ike, in The 112th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 86.
2009. Satterfield, J.I. and Ashmore, R.A., Overview of Recent Mountain-Building Events in the Big Bend Region, West Texas and Northern Mexico, in The 112th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 88.
2009. Owen, D.E. and Ashmore, R.A., Effects of Hurricanes Rita (2005) and Ike (2008) on Coastal Features in Southeastern Texas and Southwestern Louisiana, in The Geological Society of America Abstracts with Programs, vol. 41, no. 2, pg. 7.
2009. Ashmore, R.A. and Owen, D.E., Comparing and Contrasting the Storm Surges of Hurricane Rita and Ike, in The Geological Society of America Abstracts with Programs, vol. 41, no. 2, pg. 7.
2006. Ashmore, R.A., Production and Use of Large-Scale Panoramic Photography in Field-Based Sciences, in The 109th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 75.

Published Abstracts (cont.)

2006. Ashmore, R.A., Preliminary Analysis Of Hurricane Rita With Respect To Other Major Hurricanes That Have Struck The Gulf Coast Along The Texas-Louisiana Border And How These Storms Have Shaped The Geology And Ecology Of The Region, in The 109th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 75.
2006. Satterfield, J.I., Ashmore, R.A., Courville, T.J., Maxwell, J.A., Miller, S.A., Stelly, R.J., and Turner, J.R., Fold Correlations Suggest The Muskog Spring Fault, Big Bend National Park, Is A Reactivated Laramide Structure, in The 109th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 77.
1999. Ashmore, R.A., Stevens, J.B., Stevens, M.S., and Cooper, D.A., Commissure Morphologies in Coniacian-Santonian Inoceramids Possibly Correlative to Predation and Sedimentation Intensity, San Vicente Member, Boquillas Formation and Lower Pen Formation, Big Bend Region, Trans-Pecos Texas, in The 102nd Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 72.
1999. Ashmore, R.A., Stevens, J.B., Stevens, M.S., and Cooper, D.A., Analysis of Coniacian-Santonian Inoceramid Dispersal Patterns, San Vicente Member, Boquillas Formation and Lower Pen Formation, Big Bend Region, Trans-Pecos Texas, in The 102nd Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pp. 74-75.
1999. Stevens, J.B., Stevens, M.S., Cooper, D.A., and Ashmore, R.A., The Boquillas Formation as a Stratigraphic Tool, Big Bend Area, Trans-Pecos Texas, in The 102nd Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pp. 72-73.
1999. Riley, K.S., Jordan, J.L., Irwin, G.M., Distefano, B.D., Ashmore, R.A., Cardwell, W.B., George, D.R., Byars, J.M., Farmer, L.K., Martin, M.J., McCauley, B.M., Murphy, R.W., Murphy, S.E., Nguyen, A.T., Reeves, M.L., Smith, K., Szalkowski, D.S., and Vanover, W.G., Acceleration of a Tethered Mass in Microgravity, in The 102nd Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 79.
1998. Ashmore, R.A., Stevens, J.B., Reed, D.A., and Stevens, M.S., Alternating Lithology and Differing Giant Inoceramid Shell Morphology Indicative of Environmental Change Induced by Fresh Water Injections, Pen Formation, Big Bend Region, Trans-Pecos, Texas, in The 101st Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pp. 63-64 (Awarded: Best Paper Award - Second Place).
1998. Ashmore, R.A., Sedimentological and Paleontological Analysis of a Plio-Pleistocene Ox-Bow Lake Deposit, Willis Formation, Tyler County, East Texas, in The 101st Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, pg. 59.
1997. Ashmore, R.A., Stevens, J.B., Reed, D.A., and Stevens, M.S., Possible Different Uses of Giant Inoceramid Clustering, Middle to Upper Boquillas Formation, Big Bend Region, Trans-Pecos, Texas, in The Geological Society of America Abstracts with Programs, vol. 29, no. 2, p. 2.
1997. Ashmore, R.A., Stevens, J.B., Reed, D.A., and Stevens, M.S., Evidence of Probable Submarine Firmground Development, Middle Boquillas Formation, Big Bend Region, Trans-Pecos, Texas, in The 100th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, p. 75.
1997. Ashmore, R.A., Stevens, J.B., Reed, D.A., and Stevens, M.S., Possible Factors Affecting Ammonite Preservation, Middle Boquillas Formation, Big Bend Region, Trans-Pecos, Texas, in The 100th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, p. 74.
1997. Stevens, J.B., Ashmore, R.A., Reed, D.A., and Stevens, M.S., Stratigraphic Investigation of Areas in Big Bend Ranch State Park, Trans-Pecos, Texas, Applied to the Development of the Adjacent Terlingua Uplift, in The 100th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, p. 71.
1997. Reed, D.A., Stevens, J.B., Ashmore, R.A., and Stevens, M.S., The Danger of "Pure Science": Reinvestigation of J.A. Udden's "Fossil Ice Crystals," a Fuoid that Identifies a Key Bed in the Turonian Ernst Member, Boquillas Formation, Big Bend National Park, Terlingua/Study Butte, and Big Bend Ranch State Park Areas, Trans Pecos, Texas, in The 100th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, p.70.
1996. Stevens, J.B., Ashmore, R.A., Reed, D.A., and Stevens, M.S., Facies Change and the Reality of Cyclic Deposition, Coniacian Parts of the Boquillas and Pen Formations, Big Bend Region, Trans-Pecos Texas, in The Geological Society of America Abstracts with Programs, vol. 28, no. 7, p. A-123.
1996. Stevens, J.B., Reed, D.A., Ashmore, R.A., Doornbos, L.C., and Stevens, M.S., Stratotypes and Time Markers in the Upper Boquillas and Lower Pen Formations, Big Bend Area, Trans-Pecos, Texas, in The Geological Society of America Abstracts with Programs, vol. 28, no. 1, p. A-64.
1996. Ashmore, R.A., Stevens, J.B., Doornbos, L.C., Reed, D.A., and Stevens, M.S., Change in Morphology of Giant Inoceramids: Possibly a Response to Coniacian-Santonian Increase in Sedimentation Rates, Middle to Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas, in The 99th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers, p. 91.

Published Abstracts (cont.)

1996. Reed, D.A., Stevens, J.B., **Ashmore, R.A.**, Doornbos, L.C., and Stevens, M.S., **Tracking *Cliona*, The Boring Sponge: Analysis of Identifiable Trace Fossils On Three Species of Upper Cretaceous Inoceramids Supplies Key Information for Paleocological Reconstruction of the Coniacian-Early Santonian, Terlingua Group, Big Bend National Park, Trans-Pecos, Texas, in The 99th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers**, p. 92, (Awarded best paper).
1996. Stevens, J.B., **Ashmore, R.A.**, Doornbos, L.C., Reed, D.A., and Stevens, M.S., **A Paleontologically and Sedimentologically Defined, Originally Horizontal, Time-Parallel, Surface as a Datum for Subsequent Tectonic Events in the Big Bend Region, Trans-Pecos, Texas, in The 99th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers**, p. 92.
1995. Stevens, J.B., **Ashmore, R.A.**, Doornbos, L.C., Reed, D.A., and Stevens, M.S., **Faunal Change in Cyclic Deposits of the Late Coniacian Early Santonian, Terlingua Group, Big Bend National Park, Trans-Pecos, Texas, in The Geological Society of America Abstracts with Programs**, vol. 27, no. 6, p. A-176.

Testimony

2009. **Ashmore, R.A.**, Owen, D.E. and Owen, C.J., "**The Effects of Geotubes and Rollover Pass on the Bolivar Peninsula During Hurricane Ike**," *verbal and written testimony presented to the Texas State House Select Committee on Hurricane Ike Storm Devastation to the Texas Gulf Coast*, Chair: Representative Sylvester Turner.
2008. **Ashmore, R.A.** and Owen, D.E., "**Erosion Along the Upper Texas Gulf Coast Between Sabine Pass and High Island**," *verbal and written testimony presented to the Texas State House Select Committee on Hurricane Ike Storm Devastation to the Texas Gulf Coast*, Chair: Representative Sylvester Turner.

Presentations to the Public and Scientific Communities

2009. **Ashmore, R.A.** and Owen, D.E., "**Comparing and Contrasting the Storm Surges of Hurricanes Rita and Ike**," *presented to the Lafayette Geological Society*.
2009. Owen, D.E., **Ashmore, R.A.** and Owen, C.J., "**The Effects of Rollover Pass on the Bolivar Peninsula During Hurricane Ike**," *presented to the Lafayette Geological Society*.
2009. **Ashmore, R.A.** and Owen, D.E., "**Hurricane Ike's Effects on the Upper Texas Gulf Coast**," *presented to the 3rd Annual East Texas Geospatial Conference, Stephen F. Austin State University, Nacogdoches, Texas*.
2008. **Ashmore, R.A.** and Owen, D.E., "**The Effects of Hurricane Ike on Southeast Texas and Southwestern Louisiana**," *presented to the Orange County Texas State Retired Teachers Association*.
2006. **Ashmore, R.A.** and Owen, D.E., "**The Effects of Hurricane Rita on Southeast Texas and Southwestern Louisiana**," *presented to the Orange County Texas State Retired Teachers Association*.
1999. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Late Cretaceous Marine Paleo-environments, Upper Boquillas and Lower Pen Formations, Trans-Pecos Texas**," *presented to the Lubbock Gem and Mineral Society*.
1998. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Possible Different Uses of Giant Inoceramid Clustering, Middle to Upper Boquillas Formation, Big Bend Region, Trans-Pecos, Texas**," *presented at Lamar University Chapter of Sigma Xi, Annual Banquet*.
1998. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Late Cretaceous Marine Paleo-environments, Upper Boquillas and Lower Pen Formations, Trans-Pecos Texas**," *presented to the Golden Triangle Group of the Sierra Club*.
1997. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Development of Submarine Firmgrounds, Middle Boquillas Formation, Big Bend Region, Trans-Pecos, Texas**," *presented at Lamar University Chapter of Sigma Xi, Annual Banquet*.
1997. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Paleo-environmental Factors Affecting Ammonite Preservation, Big Bend Region, Trans-Pecos, Texas**," *presented at Lamar University Chapter of Sigma Xi, Annual Banquet*.
1997. **Ashmore, R.A.**, Stevens, J.B., Reed, D.A., and Stevens, M.S., "**Functional Morphology of Late Cretaceous Inoceramids of the Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas**," *presented at Big Bend National Park, Texas*.
1997. Reed, D.A., Stevens, J.B., **Ashmore, R.A.**, and Stevens, M.S., "**Trace Fossil Evidence of the Boring Sponge *Cliona* on Late Cretaceous Inoceramids of the Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas**," *presented at Big Bend National Park, Texas*.
1997. Stevens, J.B., **Ashmore, R.A.**, Reed, D.A., and Stevens, M.S., "**Stratigraphic Analysis of the Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas**," *presented at Big Bend National Park, Texas*.

Presentations to the Public and Scientific Communities (cont.)

1996. Ashmore, R.A., Stevens, J.B., Reed, D.A., and Stevens, M.S., "Morphologic Change of Late Cretaceous Inoceramids, A Response to an Increased Sedimentation Rate, Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas," *presented at* Lamar University Chapter of Sigma Xi, Annual Banquet.
1996. Reed, D.A., Stevens, J.B., Ashmore, R.A., and Stevens, M.S., "Analysis of Trace Fossil Boring Patterns of the Sponge *Cliona* in the Upper Boquillas and Lower Pen Formations, Big Bend Region, Trans-Pecos, Texas," *presented at* Lamar University Chapter of Sigma Xi, Annual Banquet.
1996. Ashmore, R.A., Boggan, B.D., and Hiu, M.K., "Plio-Pleistocene Ox-bow Lake and River Deposit," *presented at* the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS).
1996. Ashmore, R.A., "Salt Domes of the Upper Texas Gulf Coast," *presented at* the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS).
1993. Ashmore, R.A., "Multimedia," four-part lecture series, *presented to* Lamar State College - Orange Computer Club.
1993. Ashmore, R.A., "The World of Multimedia," *presented at* Louisiana Academy of Science Annual Meeting.
1992. Ashmore, R.A., "The Geology of East Texas," *presented to* Geology classes at Little Cypress - Mauriceville High School.

Educational Presentations

2005. Eldridge, C. and Ashmore, R.A., "Making the Transition: Senior Institution Support of Phi Theta Kappa Alumni," *presented at* the 87th International Meeting of the Phi Theta Kappa International Honor Society.
2004. Ashmore, R.A., Flanagan, E., and VanBaarle Jr., C.J., "What is the Definition of Popular Culture," *presented at* the Texas Honors Institute of the Phi Theta Kappa International Honor Society.
2004. VanBaarle Jr., C.J., Ashmore, R.A., and Larkey, A., "Discovering the "U" in University Life," *presented at* the Texas Regional Convention of the Phi Theta Kappa International Honor Society.
2004. Ashmore, R.A., "Applying for the Leaders of Promise Scholarship," *presented at* the Texas Regional Convention of the Phi Theta Kappa International Honor Society.
2002. Ashmore, R.A., Vaden, J., and Hinterlong, K., "Scholar Dollars," *presented at* the 2002 Texas Regional Leadership Conference of the Phi Theta Kappa International Honor Society.
2001. Mitchell, C., Sinclair, V., Murray, B., and Ashmore, R.A., "Scholar Dollars," *presented at* the 83rd International Meeting of the Phi Theta Kappa International Honor Society.

Professional Field Trips

Conducted

2009. Owen, D.E. and Ashmore, R.A., "Geology of and Hurricanes Rita and Ike Effects on the Chenier Plain, Southwestern Louisiana", *presented to* the Lafayette Geological Society.
2008. Owen, D.E. and Ashmore, R.A., "Geology of and Hurricane Rita Effects on the Chenier Plain, Southwestern Louisiana", *presented at* The Geological Society of America Annual Meeting.
1996. Lamar University Geological Society (Ashmore, R.A.-President), "Transect of the Upper Texas Gulf Coast: Geology, Resources, Environment", *presented to* the 48th Meeting of the Southwestern Association of Student Geological Societies (SASGS).

Grants and Awards

Grants

<i>Grant</i>	<i>Organization</i>	<i>Date(s)</i>
Grant-In-Aid of Research	Geological Society of America	00
Grant-In-Aid of Research	South-Central Section, Geological Society of America	97
Grant-In-Aid of Research	Lamar University Chapter of Sigma Xi	97; 98; 99

Fellowships

<i>Fellowship</i>	<i>Organization</i>	<i>Date(s)</i>
TEACH Fellowship	Texas Tech University	02
Graduate Fellowship (Honorable Mention)	National Science Foundation	00

Fellowships (cont.)

<i>Fellowship</i>	<i>Organization</i>	<i>Date(s)</i>
Chancellor's Fellowship	Texas Tech University	99
Board of Regents Fellowship	University of Louisiana - Lafayette	99

Assistantships

<i>Assistantship</i>	<i>Organization</i>	<i>Date(s)</i>
Graduate Teaching Assistantship	Texas Tech University	99-08
Graduate Teaching Assistantship	Baylor University	99

Scholarships

<i>Scholarship</i>	<i>Organization</i>	<i>Date(s)</i>
Australian Postgraduate Award (APA)	Australian Government	12; 13; 14; 15
International Postgraduate Research Scholarship (IPRS)	Australian Government	12; 13; 14; 15
Phi Theta Kappa Graduate Scholarship	Texas Tech University, Ex-Student's Association	F00; S01; F01; S02
Brand Graduate Scholarship	Texas Tech University, Department of Geosciences	00
Graduate Scholarship	American Federation of Mineralogical Societies	99
Field Camp Scholarship	National Association of Geoscience Teachers	96
Charles and Susan Gordon Scholarship	Lamar University	96; 97; 98; 99
Undergraduate Scholarship	Houston Geological Society	96
Foundation Scholarship	Society of Independent Professional Earth Scientists	95
Renfro Scholarship	Lamar University, Department of Geology	94
Foundation Scholarship	Lamar State College - Orange	92; 93; 96; 97
Levingston Endowment	Lamar State College - Orange	91

Academic Awards

<i>Award</i>	<i>Organization</i>	<i>Date(s)</i>
Otho Plummer Award	Lamar University	99
C. Robert Kemble Award Finalist	Lamar University	99
Reduced Gravity Student Flight National Competition	NASA	98
ResTech Convention Scholar	American Association of Petroleum Geologists	98
All-USA College Academic First Team	<i>USA Today</i>	98
Collegiate Academy Best Paper Competition, Second Place	Texas Academy of Science	98
All-USA Community and Junior College Academic First Team	<i>USA Today</i>	97
John and Mary Gosule International Paleontology Award	Dinamation International Society	97
International Guistwhite Scholar	Phi Theta Kappa International Honor Society	97
Best Essay Award, Guistwhite Scholar International Competition	Phi Theta Kappa International Honor Society	97
Texas All-State Community and Technical College Academic First Team	Phi Theta Kappa International Honor Society	97
Who's Who in Science and Engineering 1998 - 1999		97
Outstanding Student Research Award	Lamar University Chapter of Sigma Xi	97
Certificate of Appreciation for Research	Texas Academy of Science	97; 98; 99
Outstanding Student Award	Houston Geological Society	95
The National Dean's List	Lamar University	99
	Phi Theta Kappa International Honor Society	92; 93; 94; 95

Academic Awards (cont.)

<i>Award</i>	<i>Organization</i>	<i>Date(s)</i>
President's List	Lamar University Lamar State College - Orange	95; F97; F98; S99 F91; 92; S93
Dean's List	Lamar University Lamar State College - Orange	95; F97; F98; S99 F91; 92; S93

Service

Texas Academy of Science	<ul style="list-style-type: none">– Co-Chairman, Geosciences Section (2011-2012)– Chairman, Geosciences Section (2010-2011)– Chairman, Physics Section (1999-2000)
Phi Theta Kappa International Honor Society	<ul style="list-style-type: none">– President: Texas Region Alumni Association (2005-2006)– Alpha Nu Gamma Chapter (Lamar State College-Orange) Advisor (2005)– Leaders of Promise Award Judge (2002; 2003; 2004)– Delta of Texas Alumni Association (Texas Tech Univ.) Co-advisor (2002-2007)– Phi Theta Kappa Visionary (1997-present)

Professional Associations

American Association of Petroleum Geologists (AAPG) (1995-2003); AAPG Division of Environmental Geosciences (1995-2003); AAPG Energy Minerals Division (1995-2003); Astronomical League (1994-1995); Center (2011-present); The Center for Fine Art Photography (2011-present); Geological Society of America (1995-2002; 2008-present); Gulf Coast Section Society of Economic Paleontologists and Mineralogists (1995-2003); Houston Center for Photography (2010-present); Houston Geological Society (1995-2003; 2010-present); Kansas Academy of Science (2000-2003); Newspace Center for Photography (2011-present); Palaeontological Association (1995-2002); The Paleontological Society (1996-2002); Silvereye Center for Photography (2010-present); Society for Sedimentary Geology (1995-2002); Society of Vertebrate Paleontology (1996-2002); Texas Academy of Science (1996-2002; 2010-present); Texas Association of College Teachers (2009-present); Texas Community College Teachers Association (2010-present); The Texas Faculty Association (2010-present); Texas Photographic Society (2006-present).

Photography (CV available upon request.)

As a self-taught documentary photographer, I am interested in the interface between art and science. Landscapes and structures influenced by human interaction, reflecting part of the human condition and society's impact on the environment, are my subjects. I specialize in low and wide-angle techniques, including the production of digital composite panoramas. Iconic photographs of Ansel Adams and Edward Weston and documentary-style photographs of Timothy H. O'Sullivan and Walker Evans inspire me.

Since 2006, my work has been presented in 78 museum and gallery exhibits, including 50 national and international juried exhibitions and four solo exhibitions. I have been awarded 14 national and international awards at juried exhibitions and competitions, and have had work featured in 35 publications, including internationally in the photographic journals *B&W + Color*, *F-Stop Magazine*, and, in the prestigious, *Silvershotz Folios 2011*. Special and limited editions of my photographic work are archived permanently at the Texas Tech University Southwest Collection, Lamar University Department of Earth and Space Sciences, and Angelo State University Department of Physics, in addition to several private collections. Currently, I am compiling an internationally award winning series of photographs of objects found in the Hurricane Ike debris fields along the Texas and Louisiana coast, for international gallery and museum exhibitions and publication.

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