

CURRICULUM VITAE

Lance L. Lambert

Specialization

Late Paleozoic paleontology, high-resolution stratigraphy, and carbonate depositional environments.

Primary Taxa: Conodonta, Ammonoidea, Fusulinacea, Demospongiae.

Academic Training

Ph.D. University of Iowa, August, 1992

"Characterization and Correlation of Two Upper Paleozoic Chronostratigraphic Boundaries (Atokan/Desmoinesian; Leonardian/Guadalupian)"

Dissertation Committee Chairman: Dr. Brian F. Glenister.

M.S. Texas A&M University, May, 1989

"Carbonate Facies and Biostratigraphy of the Middle Magdalena (Middle Pennsylvanian), Hueco Mountains, West Texas"

Thesis Committee Chairman: Dr. Robert J. Stanton, Jr.

B.S. Texas A&M University, December, 1982

Summary of Work Experience (post-Ph.D.; excludes consulting)

2012-Pres. PROFESSOR. Dept. of Geological Sciences, University of Texas at San Antonio, San Antonio, TX.

2014-2018 DEPARTMENT CHAIR. Dept. of Geological Sciences, University of Texas at San Antonio, San Antonio, TX.

2018(Fall) ASSISTANT DEPARTMENT CHAIR. Dept. of Geological Sciences, University of Texas at San Antonio, San Antonio, TX. (to assist the Interim Department Chair)

2006-2012 ASSOCIATE PROFESSOR. Dept. of Geological Sciences, University of Texas at San Antonio, San Antonio, TX.

2001-2006 ASSISTANT PROFESSOR. Dept. of Earth and Environmental Science, University of Texas at San Antonio, San Antonio, TX.

1998-2001 ASSISTANT PROFESSOR. Dept. of Biology, Texas State University, San Marcos, TX.

1994-1998 INSTRUCTOR. Dept. of Physics, Texas State University, San Marcos, TX.

1993(4 Mo.)SUMMER PROFESSIONAL. ARCO Oil and Gas Company, Midland, TX.

1991-1993 VISITING LECTURER. Geology Department, Cornell College,
Mt. Vernon, IA.
1990-1993 CONTRACT EMPLOYEE. Kansas Geological Survey, Lawrence,
KS.

Summary of Publication

46 Reviewed Publications
30 Field Trip Guide Books and Other Publications
110 Published Abstracts

186 Total Publications to date; 204 including revised editions and re-printings

4 Manuscripts in an advanced status
37+ Technical Reports

Detailed Publication List

Manuscripts *In Press* and Near Completion

- ms.* Wardlaw, B. R., B. F. Glenister, **L. L. Lambert**, C. Spinosa, S. A. Bowring, D. H. Erwin, M. Menning, and G. L. Wilde. The Guadalupian and component Roadian, Wordian, and Capitanian stages as international standards for the Middle Permian Series. Episodes. 21 ms. pp., 7 figs., (*in revision following review*; likely to be split into 3 different manuscripts—one for each stage—and each with a different set of authors).
- ms.* **Lambert, L. L.**, B. R. Wardlaw, and G. L. Bell, Jr. GSSP characterization of the type Guadalupian and its component stages, international reference for the Middle Permian Series. 23 ms. pp., 6 figs., (manuscript in advanced draft; exact co-authors will change).
- ms.* Nestell, M. K., G. P. Nestell, B. R. Wardlaw, G. L. Bell, Jr., and **L. L. Lambert**. Biostratigraphy and stratigraphic significance of a newly discovered Hegler-Pinery roadcut along U.S. 62-180, Patterson Hills, West Texas. 25 ms. pp., 4 figs., 6 plates, (manuscript in advanced draft; exact co-authors will change).
- ms.* **Lambert, L. L.**, Y. Qi, T. I. Nemyrovska, and X. Wang. Systematics to designate important conodonts in transitional lineages, Bashkirian-Moscovian boundary interval, Naqing Section, Guizhou, South China. 7 ms. pp., 4 figs., 6 plates, (manuscript in prep.; co-authors likely to change).

Peer Reviewed Publications (^Supervised Student)

- 2019 Raymond, A., **L. L. Lambert**, and S. Costanza. Are coal balls rare? A cyclostratigraphic analysis of coal-ball occurrence in North America. *International Journal of Coal Geology* 206:65-79.
- [published electronically 3/01/19 as <https://doi.org/10.1016/j.coal.2019.01.012>]
- 2018 Itano, W. M., and **L. L. Lambert**. A new cochliodont anterior tooth plate from the Mississippian of Alabama (USA) having implications for the origin of tooth plates from tooth files. *Zoological Letters* 4:12 (10 pg. pdf).
- [published electronically 6/6/18 at <https://doi.org/10.1186/s40851-018-0097-8>]
- 2017 Thompson, T. L., and **L. L. Lambert**. Atokan (Middle Pennsylvanian) conodonts from laterally restricted pre-Cherokee units of southwestern Missouri. *Stratigraphy* 14:377-389.
- [published electronically 10/17 as doi: 10.29041/strat.14.1-4.377-389]
- 2016 Qi, Y., **L. L. Lambert**, T. I. Nemyrovska, X. Wang, K. Hu, and Q. Wang. Late Bashkirian and early Moscovian conodonts from the Naqing section, Loudian, Guizhou, South China. *Palaeoworld* 25:170-187.
- [published electronically 4/15 and available online at <http://dx.doi.org/10.1016/j.palwor.2015.02.005>]
- 2016 Stanton, R. J., Jr., **L. L. Lambert**, G. E. Webb, and L. D. Lustig. *Chaetetes* morphology, environment, and taxonomy. *Facies* 62(4):1-21[Article:29].
- [published electronically 9/22/16 as doi: 10.1007/s10347-016-0479-3]
- 2015 Joachimski, M. M., and **L. L. Lambert**. Salinity contrast in the US Midcontinent Sea during Pennsylvanian glacio-eustatic highstands: Evidence from conodont apatite $\delta^{18}\text{O}$. *Palaeogeography, Palaeoclimatology, Palaeoecology* 433:71-80.
- 2015 Titus, A. L., D. Korn, ^J. E. Harrell, and **L. L. Lambert**. Late Viséan (late Mississippian) ammonoids from the Barnett Shale, Sierra Diablo Escarpment, Culberson County, Texas, USA. *Fossil Record* 18:81-104.
- [published electronically 6/15 as doi: 10.5194/fr-18-81-2015]
- 2015 Bell, G. L., Jr., J. M. Hearst, M. K. Nestell, G. P. Nestell, and **L. L. Lambert**. Stratigraphic framework and biostratigraphic significance of the

terminal Guadalupian Reef Trail Member, Bell Canyon Formation in the Patterson Hills, Type Guadalupian area, Texas. *Stratigraphy* 12:93-107.

2015 Nicklen, B. L., G. L. Bell, Jr., **L. L. Lambert**, and W. D. Huff. Tephrochronology of the Manzanita Limestone in the Middle Permian (Guadalupian) type area, West Texas and southeastern New Mexico, USA. *Stratigraphy* 12:123-147.

2013 Chen, B., M. M. Joachimski, S. Shen, **L. L. Lambert**, X. Lai, X. Wang, J. Chen, and D. Yuan. Permian ice volume and palaeoclimate history: Oxygen isotope proxies revisited. *Gondwana Research* 24(1):77-89.

[published electronically 7/12 as doi: 10.1016/j.gr.2012.07.007;
+ 360 Excel lines by 8 columns of Supplementary Data]

2013 Ellwood, B. B., **L. L. Lambert**, J. H. Tomkin, G. Bell, Jr., M. K. Nestell, G. P. Nestell, and B. R. Wardlaw. Magnetostratigraphy susceptibility for the Guadalupian Series GSSPs (Middle Permian) in Guadalupe Mountains National Park and adjacent areas in West Texas. *In:* L. Jovane, E. Herrero-Bervera, L. A. Hinnov, and B. A. Housen (eds.), *Magnetic Methods and the Timing of Geological Processes*. Geological Society of London Special Publication 373:375-394.

[published electronically 8/12 as doi: 10.1144/SP373.1]

2013 Qi, Y., **L. L. Lambert**, T. I. Nemyrovska, X. Wang, K. Hu, and Q. Wang. Multiple transitional conodont morphologies demonstrate depositional continuity in the Bashkirian-Moscovian boundary interval, Naqing Section, Guizhou, South China. *In:* S. G. Lucas, W. A. DiMichele, J. E. Barrick, J. W. Schneider, and J. A. Spielmann (eds.), *The Carboniferous-Permian Transition*. New Mexico Museum of Natural History and Science Bulletin 60:329-336.

2013 Barrick, J. E., **L. L. Lambert**, P. H. Heckel, S. J. Rosscoe, and D. R. Boardman. Midcontinent Pennsylvanian conodont zonation. *In:* P. H. Heckel (ed.), *Special Issue: Pennsylvanian Genetic Stratigraphy and Biostratigraphy of Midcontinent North America*. *Stratigraphy* 10:55-72.

2011 Wang, X., Y. Qi, **L. Lambert**, Z. Wang, Y. Wang, K. Hu, W. Lin, and B. Chen. A potential Global Standard Stratotype-section and Point of the Moscovian Stage (Carboniferous). *Acta Geologica Sinica* 85:366-372.

2010 **Lambert, L. L.**, G. L. Bell, Jr., J. A. Fronimos, B. R. Wardlaw, and M. O. Yisa. Conodont biostratigraphy of a more complete Reef Trail Member section near the type section, latest Guadalupian Series type region. *Micropaleontology* 56:233-253.

- 2010 Wardlaw, B. R., M. K. Nestell, and **L. L. Lambert**. *Jinogondolella gladiflexa* n. sp. Pp. 154-156, 172, 175, 180, 182-183 *In*: B. R. Wardlaw and M. K. Nestell. Latest Middle Permian conodonts from the Apache Mountains, West Texas. *Micropaleontology* 56:149-183.
- 2010 Raymond, A., **L. Lambert**, S. Costanza, E. J. Slone, and P. C. Cutlip. Cordaites in paleotropical wetlands: An ecological re-evaluation. *International Journal of Coal Geology* 83:248-265.
- [published electronically 10/09 as doi: 10.1016/j.coal.2009.10.009]
- 2009 Villa, E., A. S. Alekseev, J. E. Barrick, D. R. Boardman, A. V. Djenchuraeva, B. Fohrer, H. Forke, N. V. Goreva, P. H. Heckel, T. N. Isakova, O. Kossovaya, **L. L. Lambert**, M. Martinez-Chacon, C. A. Mendez, T. I. Nemyrovska, S. Remizova, E. Samankassou, L. C. Sanchez de Posada, K. Ueno, G. Wahlman, and D. M. Work. Selection of the conodont *Idiognathodus simulator* (Ellison) as the event marker for the base of the global Gzhelian Stage (Upper Pennsylvanian, Carboniferous). *Palaeoworld* 18:114-119.
- 2007 **Lambert, L. L.**, B. R. Wardlaw, and C. M. Henderson. *Mesogondolella* and *Jinogondolella* (Conodonta): Multielement definition of the taxa that bracket the basal Guadalupian (Middle Permian Series) GSSP. *Palaeoworld* 16:208-221.
- 2007 Ellwood, B. B., J. H. Tomkin, B. C. Richards, S. L. Benoist, and **L. L. Lambert**. MSEC data sets record glacially driven cyclicity: Examples from the Arrow Canyon Mississippian-Pennsylvanian GSSP and associated sections. *Palaeogeography, Palaeoclimatology, Palaeoecology* 255:377-390.
- 2005 Chenault[^], D. S., and **L. L. Lambert**. Sequence correlation of the mid-Comanche Series, South Texas region. *Transactions, Gulf Coast Association of Geological Societies and the Gulf Coast Section of the Society for Sedimentary Geology (SEPM)*, 55:71-88.
- [Reprinted 2005, *in*: South Texas Geological Society Bulletin 46(3):13-30.]
- 2004 Barrick, J. E., **L. L. Lambert**, P. H. Heckel, and D. R. Boardman, II. Pennsylvanian conodont zonation for Midcontinent North America. *Revista Espanola de Micropaleologica* 36:231-250.
- 2003 **Lambert, L. L.**, P. H. Heckel, and J. E. Barrick. *Swadelina* new genus (Pennsylvanian Conodonta), a taxon with potential chronostratigraphic significance. *Micropaleontology* 49:151-158.

- 2002 **Lambert, L. L.**, B. R. Wardlaw, M. K. Nestell, and G. P. Nestell. Latest Guadalupian (Middle Permian) conodonts and foraminifers from West Texas. *Micropaleontology* 48:343-364.
- 2000 Harris, M. T., D. J. Lehrmann, and **L. L. Lambert**. Comparison of the depositional environments and physical stratigraphy of the Cutoff Formation (Guadalupe Mountains) and Road Canyon Formation (Glass Mountains): Lowermost Guadalupian (Permian) of west Texas. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), *The Guadalupian Symposium*. Smithsonian Contributions to the Earth Sciences 32:127-152.
- 2000 **Lambert, L. L.**, D. J. Lehrmann, and M. T. Harris. Correlation of the Road Canyon and Cutoff Formations, west Texas, and its relevance to establishing an international Middle Permian (Guadalupian) Series. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), *The Guadalupian Symposium*. Smithsonian Contributions to the Earth Sciences 32:153-183.
- 1999 Wilde, G. L., S. Rudine, and **L. L. Lambert**. Formal designation: Reef Trail Member, Bell Canyon Formation, and its significance for recognition of the Guadalupian-Lopingian boundary. *In*: A. Saller and P. M. Harris, (eds.), *Geologic framework of the Capitan Reef*. SEPM--Society for Sedimentary Geology, Special Publication 65:63-84.
- 1997 Olson, D. W., M. S. Olson, R. L. Doescher, **L. L. Lambert**, D. E. Lemke, A. M. Carl, R. Johnson, S. D. Smith, and K. H. Trede. Pinon Pines and the Route of Cabeza de Vaca. *Southwestern Historical Quarterly* 101:174-186.
- 1997 Stanton, R. J., Jr., **L. L. Lambert**, and G. E. Webb. Positive geotropic growth in *Chaetetes*. *In*: A. Perejon and M. J. Comas-Rengifo, (eds.), *Proceedings of the VII International Symposium on Fossil Cnidaria and Porifera*. Boletín de la Real Sociedad Española de Historia Natural (Sección Geológica) 92:197-207.
- 1994 Youle, J. C., W. L. Watney, and **L. L. Lambert**. Stratal hierarchy and sequence stratigraphy--Middle Pennsylvanian, southwestern Kansas, U.S.A. *In*: G. D. Klein (ed.), *Pangea: Paleoclimate, tectonics, and sedimentation during accretion, zenith, and breakup of a supercontinent*. Geological Society of America Special Paper 288:267-285.
- 1994 Stanton, R. J., Jr., W. M. Connolly, and **L. L. Lambert**. Paleoecology of Upper Carboniferous *Chaetetes*--Morphology, growth style, and spatial distribution. *In*: R. Birenheide and P. Oekentorp-Kuster (eds.), *Proceedings of the VI International Symposium on Fossil Cnidaria including Archaeocyatha and Porifera*. Courier Forschungsinstitut Senckenberg 172:365-372.

- 1992 **Lambert, L. L.** Atokan and basal Desmoinesian conodonts from central Iowa, reference area for the Desmoinesian Stage. *In:* P. K. Sutherland and W. L. Manger (eds.), Recent advances in Middle Carboniferous biostratigraphy--A symposium. Oklahoma Geological Survey Circular 94:111-123.
- 1992 Glenister, B. F., D. W. Boyd, W. M. Furnish, R. E. Grant, M. T. Harris, H. Kozur, **L. L. Lambert**, W. W. Nassichuk, N. D. Newell, L. C. Pray, C. Spinosa, B. R. Wardlaw, G. L. Wilde, and T. E. Yancey. The Guadalupian: Proposed international standard for a Middle Permian Series. International Geology Review 34:857-888.
- Lambert, L. L.**, and B. R. Wardlaw. Morphological transition from *Mesogondolella idahoensis* to *M. serrata*: Basal Guadalupian definition. Appendix II in *Ibid.*, International Geology Review 34:876-880.
- 1991 **Lambert, L. L.**, and P. H. Heckel. The Atokan/Desmoinesian boundary in North America: Preliminary considerations for selecting a boundary horizon. *In:* P. L. Brenckle and W. L. Manger (eds.), Intercontinental division and correlation of the Carboniferous System. [imprint 1990] Courier Forschungsinstitut Senckenberg 130:307-318.
- 1990 Grayson, R. C., Jr., G. K. Merrill, and **L. L. Lambert**. Carboniferous gnathodontid conodont apparatuses: Evidence of a dual origin for Pennsylvanian taxa. *In:* W. Ziegler (ed.), First International Senckenberg Conference and Fifth European Conodont Symposium (ECOSV) Contributions IV--Papers on Conodonts and Ordovician to Triassic Conodont Stratigraphy. Courier Forschungsinstitut Senckenberg 118:353-396.
- 1989 Connolly, W. M., **L. L. Lambert**, and R. J. Stanton, Jr. Paleoecology of Lower and Middle Pennsylvanian (Middle Carboniferous) *Chaetetes* in North America. Facies 20:139-168.

[Reprinted 1990, *in:* Schreiber, J. F., Jr., ed., Upper Paleozoic Stratigraphy of the Whetstone Mountains, Cochise and Pima Counties, Arizona. p. 45-73. Supplement Volume to Gehrels, G. E., and J. E. Spencer, eds., Geologic Excursions Through the Sonoran Desert Region, Arizona and Sonora. Guidebook for Field Trip 6, Cordilleran Section, GSA. Arizona Geological Survey Special Paper 7.]

Editor Reviewed Publications

- 2011 Boyer[^], B., **L. L. Lambert**, and R. K. Smith. The conodont Color Alteration Index (CAI) and igneous-metamorphic P-T conditions, Marble Canyon, Sierra Diablo, West Texas. South Texas Geological Society Bulletin 52:15-44.

- 2007 Harrell[^], J. E., and **L. L. Lambert**. Revision of Carboniferous stratigraphy in the Sierra Diablo, outcrop analog for the Delaware and other Texas basins. *In*: C. E. Bowden and M. A. Raines (eds.), Structure and stratigraphy of the Permian Basin – Understanding the fundamentals of conventional and unconventional plays. West Texas Geological Society Digital Publication No. 07-119, Vol. 2—Technical Papers and Extended Abstracts:15-27.
- 2006 **Lambert, L. L.** Taxonomic update for Reef Trail conodonts illustrated in Wilde et al., 1999. *In*: G. Hinterlong (ed.), Basinal facies of the uppermost Guadalupian: Applicability to exploration and development projects. Permian Basin Section - SEPM Society for Sedimentary Geology, Publication 2006-46:78-85.
- 2004 Glenister, B. F., B. R. Wardlaw, and **L. L. Lambert**. Guadalupian Series: International standard for Middle Permian time. *In*: F. R. Armstrong and K. KellerLynn (eds.), The Guadalupe Mountains Symposium--Guadalupe Mountains National Park 25th Anniversary Conference, Research and Resource Management Proceedings [Guadalupe Mountains National Park, Pine Springs, Texas], p. 245-250.
- 2004 **Lambert, L. L.**, B. R. Wardlaw, and B. F. Glenister. Defining the base of the Guadalupian Series--the world standard Middle Permian--in its type area, Guadalupe Mountains National Park. *In*: F. R. Armstrong and K. KellerLynn (eds.), The Guadalupe Mountains Symposium--Guadalupe Mountains National Park 25th Anniversary Conference, Research and Resource Management Proceedings [Guadalupe Mountains National Park, Pine Springs, Texas], p. 251-258.
- 2003 Heckel, P. H., **L. L. Lambert**, J. E. Barrick, and J. P. Pope. Conodont-rich Pennsylvanian dark shales of the Kansas City region. *In*: T. M. Niemi (ed.), Geologic Field Trips in the Greater Kansas City Area (Western Missouri, Northeastern Kansas, and Southeastern Nebraska). Missouri Department of Natural Resources, Geological Survey and Resource Assessment Division: Special Publication 11:53-97.
- 2003 Heckel, P. H., **L. L. Lambert**, J. P. Pope, and J. E. Barrick. Comments on localities and stratigraphic units from which Gunnell (1931, 1933) and Ellison (1941) named new Pennsylvanian conodonts in the Kansas City region. *In*: T. M. Niemi (ed.), Geologic Field Trips in the Greater Kansas City Area (Western Missouri, Northeastern Kansas, and Southeastern Nebraska). Missouri Department of Natural Resources, Geological Survey and Resource Assessment Division: Special Publication 11:99-111.

- 1995 **Lambert, L. L.**, B. R. Wardlaw, and B. F. Glenister. West Texas Permian Series as world chronostratigraphic reference standards--A status report. *In:* R. A. Garber and R. F. Lindsay (eds.), Wolfcampian - Leonardian shelf margin facies of the Sierra Diablo: Seismic scale models for subsurface exploration. West Texas Geological Society, Publication 95-97:123-133.
- 1991 Wilkinson, C. E., Jr., S. M. Ritter, **L. L. Lambert**, and G. L. Wilde. Stratigraphy and biostratigraphy of the lower and middle San Andres Formation in Last Chance Canyon, Guadalupe Mountains, New Mexico. *In:* S. Meader-Roberts, M. P. Candelaria, and G. E. Moore (eds.), Sequence stratigraphy, facies, and reservoir geometries of the San Andres, Grayburg, and Queen Formations, Guadalupe Mountains, New Mexico and Texas. Permian Basin Section - SEPM Society for Sedimentary Geology, Publication 91-32:99-110.
- 1989 Grayson, R. C., Jr., G. K. Merrill, **L. L. Lambert**, and J. Turner. Phylogenetic basis for species recognition within the conodont genus *Idiognathodus*: Applicability to correlation and boundary placement. *In:* D. R. Boardman, II, J. E. Barrick, J. Cocke, and M. K. Nestell (eds.), Middle and Late Pennsylvanian chronostratigraphic boundaries in north-central Texas: Glacial-eustatic events, biostratigraphy, and paleoecology, Part II: Contributed papers. Texas Tech University Studies in Geology 2:75-94.

Field Trip Guide Books and Other Publications [not formally reviewed]

- 2011 Qi Y., Wang X., **L. L. Lambert**, J. E. Barrick, Wang Z., Hu K., and Wang Q. Three potential levels for the Bashkirian-Moscovian boundary in the Naqing Section based on conodonts. Newsletter on Carboniferous Stratigraphy (Subcommission on Carboniferous Stratigraphy, International Union of Geological Sciences) 29:61-64.
- 2010 Qi Y., Wang X., and **L. L. Lambert**. Status report on conodonts from the Bashkirian-Moscovian boundary interval at the Naqing (Nashui) Section, South China. Newsletter on Carboniferous Stratigraphy (Subcommission on Carboniferous Stratigraphy, International Union of Geological Sciences) 28:47-50.
- 2010 Qi Y., **L. L. Lambert**, J. E. Barrick, J. R. Groves, Wang Z., Hu K., and Wang X. New interpretation of the conodont succession of the Naqing (Nashui) Section: Candidate GSSP for the base of the Moscovian Stage, Luosu, Luodian, Guizhou, South China. *In:* Wang X., Qi Y., J. Groves, J. Barrick, T. I. Nemirovskaya, Ueno K., and Wang Y. (eds.), Carboniferous Carbonate Succession From Shallow Marine to Slope in Southern Guizhou. Guide Book for Field Excursion of the SCCS Workshop on GSSPs of the Carboniferous System, November 21st-30th, 2010. Pp. 65-77.

2007 **Lambert, L. L.** The “New” Permian Time Scale. Online Presentation. Permian Basin Section - SEPM Society for Sedimentary Geology. At: www.wtgs.org/pbs-sepm/Lance%20%Lambert_PBS-SEPM%2007%20Talk.pdf with hotlink on PBS-SEPM Homepage At: www.pbs-sepm.org/home.htm.

[no longer on active web pages as cited]

2007 Harrell[^], J. E., and **L. L. Lambert**. Revision of Carboniferous stratigraphy in the Sierra Diablo, outcrop analog for the Delaware and other Texas basins. In: M. A. Raines and G. D. Hinterlong (eds.), Structure and stratigraphy of the Permian Basin – Understanding the fundamentals of conventional and unconventional plays. West Texas Geological Society Digital Publication No. 07-119, Vol. 3—Presentations and Virtual Posters:327-348.

2006 **Lambert, L. L.**, B. R. Wardlaw, and C. M. Henderson. Multielement definition of *Jinogondolella* Mei and Wardlaw. *Permophiles* (Newsletter of the Subcommittee on Permian Stratigraphy, International Union of Geological Sciences) 48:20-22.

[Online at: www.nigpas.ac.cn/permian/web/permo.asp]

2006 Henderson, C. M., B. R. Wardlaw, and **L. L. Lambert**. Multielement definition of *Clarkina* Kozur. *Permophiles* (Newsletter of the Subcommittee on Permian Stratigraphy, International Union of Geological Sciences) 48:23-24.

[Online at: www.nigpas.ac.cn/permian/web/permo.asp]

2006 Bell, G. L., Jr., M. K. Nestell, G. P. Nestell, and **L. L. Lambert**. Road Log – Day 1; Saturday, April 29, 2006; Carlsbad, New Mexico to Guadalupe Mountains and Patterson Hills, Texas; Permian (Late Guadalupian – Lopingian). In: G. Hinterlong (ed.), Basinal facies of the uppermost Guadalupian: Applicability to exploration and development projects. Permian Basin Section - SEPM Society for Sedimentary Geology, Publication 2006-46:6-23.

2004 Small, T. A., A. K. Clark, A. R. Clark, R. B. Lambert, and **L. L. Lambert**. Edwards Outcrop in the Balcones Fault Zone. Field Trip Guidebook, Gulf Coast Association of Geological Societies 2004 Annual Meeting, [South Texas Geological Society and United States Geological Survey, San Antonio, TX], 72 pp.

2002 Boardman, D. R., T. R. Marshall, and **L. L. Lambert**. Sea-level fluctuation curve for the Cherokee Group (lower and middle Desmoinesian/upper

Moscovian) in the Arkoma-Cherokee Basin area of eastern Oklahoma. Newsletter on Carboniferous Stratigraphy (Subcommission on Carboniferous Stratigraphy, International Union of Geological Sciences) 20:26-28.

- 2002 Rohr, D. M., B. R. Wardlaw, and **L. L. Lambert**. Road log to Guadalupian stratotypes, Guadalupe Mountains National Park, Texas. *In:* B. R. Wardlaw (ed.), Guidebook for Field Trip 1, 2002 South-Central Section, Geological Society of America, [United States Geological Survey, Reston, Virginia.] p. 1-6.
- 2002 Glenister, B. F., B. R. Wardlaw, **L. L. Lambert**, C. Spinosa, S. A. Bowring, D. H. Erwin, M. Menning, and G. L. Wilde. The Guadalupian and component Roadian, Wordian, and Capitanian Stages as international standards for the Middle Permian Series. *In:* B. R. Wardlaw (ed.), Guidebook for Field Trip 1, 2002 South-Central Section, Geological Society of America, [United States Geological Survey, Reston, Virginia.] p. 7-21.
- 2002 **Lambert, L. L.** Lithostratigraphy, biostratigraphy, and chronostratigraphic relevance of the Type Pipeline Shale Member, Brushy Canyon Formation, Guadalupe Mountains National Park. *In:* B. R. Wardlaw (ed.), Guidebook for Field Trip 1, 2002 South-Central Section, Geological Society of America, [United States Geological Survey, Reston, Virginia.] p. 22-25.
- 2001 **Lambert, L. L.**, J. E. Barrick, and P. H. Heckel. Provisional Lower and Middle Pennsylvanian conodont zonation in Midcontinent North America. Newsletter on Carboniferous Stratigraphy (Subcommission on Carboniferous Stratigraphy, International Union of Geological Sciences) 19:50-55.
- 2001 Jennings, M., C. Thomas, J. Burch, B. Creutzburg, and **L. L. Lambert**. Estimation of Recharge to the Middle Trinity Aquifer of Central Texas Using Water-Level Fluctuations. Texas Water Resources Institute Technical Report No. 185. 50pp.
- 2001 Wardlaw, B. R., **L. L. Lambert**, and M. K. Nestell. Latest Guadalupian--Earliest Lopingian conodont faunas from West Texas. Permophiles (Newsletter of the Subcommission on Permian Stratigraphy, International Union of Geological Sciences) 39:31-32.

[Online at: www.nigpas.ac.cn/permian/web/permo.asp]

- 2000 **Lambert, L. L.** The Guadalupian GSSP--The world standard Middle Permian Series--Guadalupe Mountains National Park. *In:* C. J. Crow and G. L. Bell, Jr., (eds.), Guadalupian Deposition in Sabkha, Shelf, Reef, and Basin Environments, Guadalupe Mountains, Texas and New Mexico. Field Trip Guidebook, AAPG-EAGE (American Association of Petroleum

Geologists-European Association of Geoscientists and Engineers)
International Research Conference, El Paso, Texas. Pp. 57-71.

- 1999 Barrick, J. E., and **L. L. Lambert**. Conodont taxa proposed by Jones (1941) are valid. *In*: P. H. Heckel (ed.), Middle and Upper Pennsylvanian (Upper Carboniferous) Cyclothem Succession in Midcontinent Basin, U.S.A. XIVth ICCP (International Congress on the Carboniferous and Permian) Guidebook, Field Trip #8. Kansas Geological Survey Open-file Report 99-27:162-169.
- 1999 **Lambert, L. L.**, and P. H. Heckel. A distinct clade of troughed idiognathoid conodonts that precedes the appearance of *Streptognathodus*. *In*: P. H. Heckel (ed.), Middle and Upper Pennsylvanian (Upper Carboniferous) Cyclothem Succession in Midcontinent Basin, U.S.A. XIVth ICCP (International Congress on the Carboniferous and Permian) Guidebook, Field Trip #8. Kansas Geological Survey Open-file Report 99-27:174-177.
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- b) Geological Society of America 1990 Annual Meeting, Guidebook for Field Trip 20.
- c) Houston Geological Society 1989 Field Trip Guidebook.
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- e) Fort Worth Geological Society 1988 Field Trip Guidebook.]

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- 2007 Harrell[^], J. E., and **L. L. Lambert**. Revision of Carboniferous stratigraphy in the Sierra Diablo, outcrop analog for the Delaware and other Texas basins. *In:* C. E. Bowden (ed.), *Volume I: Abstracts and Schedule—An Excerpt from Digital Publication #07-119*. West Texas Geological Society. p. 20.

[Once online at: www.wtgs.org/2007_Abstract_Booklet_print.pdf ;
 Reprinted 2008, *in:* Structure and stratigraphy of the Permian Basin – Understanding the fundamentals of conventional and unconventional plays {imprint 2007}. West Texas Geological Society Digital Publication No. 07-119, Vol. 1—Abstracts and Schedule:20.]

- 2006 **Lambert, L. L.** Measured sections to track various stratal architectures—a key to analyzing conodont morphogenesis. *Geological Society of America Abstracts with Programs* 38(2):4.
- 2006 **Lambert, L. L.**, and B. R. Wardlaw. Conodont apparatuses from the *Mesogondolella-Jinogondolella* transition, Cisuralian-Guadalupian (Permian) of West Texas. *In:* M. Purnell, P. Donoghue, R. Aldridge, and J. Repetski (eds.), *Programme and Abstracts, First International Conodont Symposium*. [University of Leicester, England]. p. 51.
- 2006 Boyer[^], B. J., and **L. L. Lambert**. Application of the Conodont Alteration Index (CAI) to the Marble Canyon Intrusion, Sierra Diablo, West Texas. *Geological Society of America Abstracts with Programs* 38(7):184.
- 2005 **Lambert, L. L.** Conodont definition of the Bashkirian/Moscovian (Early/Middle Pennsylvanian) boundary: Preliminary evaluation of the leading candidates. *Geological Society of America Abstracts with Programs* 37(3):13.
- 2005 Schubert[^], J. A., and **L. L. Lambert***. Gondolellid conodont elements from the Lower and Middle Pennsylvanian: Subtle apparatus relationships. *Geological Society of America Abstracts with Programs* 37(3):13.
- 2005 Immel, K. L., S. D. Romero, D. Rohr, and **L. L. Lambert**. Middle Permian depositional setting of the eastern Marfa Basin, Shafter, Texas. *Geological Society of America Abstracts with Programs* 37(3):37.
- 2005 Chenault[^], D. S., and **L. L. Lambert**. Regional correlation of the upper Comanche Series, South Texas, through sequence stratigraphy. *Program and Abstracts, Gulf Coast Association of Geological Societies 55th Annual Convention*.
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- 2005 **Lambert, L. L.**, and A. K. Clark. Formal stratigraphic nomenclature for the Edwards Group in south Texas. *Geological Society of America Abstracts with Programs* 37(7):214.
- 2005 **Lambert, L. L.**, and G. L. Bell, Jr. The Guadalupian Series: Ideas to highlight the GSSP and geologic context of the world standard Middle Permian Series in Guadalupe Mountains National Park. *Geological Society of America Abstracts with Programs* 37(7):259.
- 2005 Immel, K. L., **L. L. Lambert**, S. D. Romero, and D. Rohr. Permian shelf-edge deposition in the Marfa Basin at Shafter, Texas. *Geological Society of America Abstracts with Programs* 37(7):370.

- 2005 Lee, C. J., R. E. Ferrell, L. C. Anderson, B. Ellwood, A. S. Engel, **L. L. Lambert**, and J. Lorenzo. An alternative to the traditional introductory geology course: A GAEMP initiative for minority students. *Geological Society of America Abstracts with Programs* 37(7):514.
- 2004 Harrell, J. E., and **L. L. Lambert**. Sloan Formation: Application and implications of a forgotten Carboniferous stratigraphic unit in the Llano Uplift, Texas. *Geological Society of America Abstracts with Programs* 36(2):29.
- 2004 Chenault, D. S., and **L. L. Lambert**. A progress report on genetic correlation of the Edwards Group and Devils River Formation, south central Texas. *In:* S. Hovorka (ed.), *Edwards Water Resources in Central Texas: Retrospective and Prospective*. STAB CD 0001 (CD-ROM) [South Texas Geological Society].
- 2004 **Lambert, L. L.**, B. R. Wardlaw, and B. F. Glenister. Defining the base of the Guadalupian Series--the world standard Middle Permian--in its type area, Guadalupe Mountains National Park. *In:* F. R. Armstrong and K. KellerLynn (eds.), *The Guadalupe Mountains Symposium--Guadalupe Mountains National Park 25th Anniversary Conference, Research and Resource Management Proceedings* [Guadalupe Mountains National Park, Pine Springs, Texas], p. 429.
- 2003 **Lambert, L. L.**, P. H. Heckel, and J. E. Barrick. New insights on the locality and material for the first Pennsylvanian conodont paper published in North America. *Geological Society of America Abstracts with Programs* 35(2):5.
- 2002 **Lambert, L. L.**, J. E. Barrick, and P. H. Heckel. Lower and Middle Pennsylvanian conodont zonation for Midcontinent North America. *Geological Society of America Abstracts with Programs* 34(2):A-27.
- [Reprinted 2002, *in:* *Oklahoma Geology Notes* 62:82-83.]
- 2002 **Lambert, L. L.**, and B. F. Glenister. Ammonoid zonation of the Type Guadalupian (Middle Permian Series)—Analyses of zonal boundaries *versus* chronostratigraphic boundaries and their historical contexts. *Geological Society of America Abstracts with Programs* 34(3):30.
- 2002 Nestell, M. K., G. P. Nestell, B. R. Wardlaw, and **L. L. Lambert**. Latest Guadalupian microfaunas (conodonts, foraminifers) from West Texas. *Geological Society of America Abstracts with Programs* 34(3):31.
- 2002 Barrick, J. E., **L. L. Lambert**, and P. H. Heckel. Pennsylvanian conodont zonation for Midcontinent North America. *In:* Marie-France Perret

Mirouse (ed.), Eighth European Conodont Symposium (ECOS VIII), Abstracts. *Strata* (Series 1) 12:74.

2002 Ellwood, B. B., S. L. Benoist, B. Richards, A. L. Brown, and **L. L. Lambert**. Middle Carboniferous Milankovitch Cyclicality: MSEC data from three Middle Carboniferous sections including the GSSP at Arrow Canyon, Nevada, and from the Lower Pennsylvanian Pinkerton Formation, Colorado. *Geological Society of America Abstracts with Programs* 34(6):63.

2002 **Lambert, L. L.**, and B. B. Ellwood. MSEC values for the Middle Permian Global Boundary Stratotype, Guadalupe Mountains National Park. *Geological Society of America Abstracts with Programs* 34(6):136.

2001 Jackson[^], K. F. N., R. E. Stephens[^], and **L. L. Lambert**. Morphology and taxonomic implications of a *Cymatoceras* population from the Washita Group, San Antonio, Texas. *In*: 104th Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers. [(Southwest) Texas State University.] p. 54.

2000 Ellwood, B. B., and **L. L. Lambert**. Initial MagnetoSusceptibility Event and Cyclostratigraphy analysis of the proposed Basal Guadalupian Boundary. *Brazil 2000 Abstracts Volume (CD-ROM)*, 31st International Geological Congress, Rio de Janeiro. [Geological Survey of Brazil].

[Reprinted 2000, *in*: *Permophiles* 37:9-10; Online *at*:
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[Reprinted 2000, *in*: *Permophiles* 37:14-15; Online *at*:
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2000 **Lambert, L. L.** Stratal architecture of cycle sets--A key to tracking punctuated offsets in carbonate facies distribution. *Geological Society of America Abstracts with Programs* 32:176.

- 2000 **Lambert, L. L.**, B. F. Glenister, and B. R. Wardlaw. Guadalupe Mountains National Park--Steward of the international Middle Permian reference (GSSP). Geological Society of America Abstracts with Programs 32:264.
- 1999 Wardlaw, B. R., **L. L. Lambert**, and S. Mei. Succession of latest Guadalupian (Permian) conodont faunas from South China and West Texas. *In:* Yin Hongfu and Tong Jinnan (eds.), Proceedings of the International Conference on Pangea and the Paleozoic-Mesozoic Transition. China University of Geosciences Press [Wuhan, CHINA.] p. 156.
- 1999 Glenister, B. F., B. R. Wardlaw, **L. L. Lambert**, and G. L. Wilde. Guadalupian Series: International standard for the Middle Permian. *In:* Len Hills and Wayne Bamber (eds.), Programme with Abstracts, XIV ICCP - International Congress on the Carboniferous- Permian [University of Calgary, Calgary, Alberta, CANADA.] p. 44.
- 1998 Lemke, D. E., D. W. Olson, M. S. Olson, R. L. Doescher, and **L. L. Lambert**. Pinon pines and the route of Cabeza de Vaca. *In:* 101st Annual Meeting of the Texas Academy of Science Program and Abstracts of Papers. [University of Texas at Tyler.] p.42.
- 1998 Ritter, S. M., J. E. Barrick, P. H. Heckel, and **L. L. Lambert**. Conodont biostratigraphy of Late Carboniferous-Early Permian depositional sequences. Geological Society of America Abstracts with Programs 30:68.
- 1998 Glenister, B. F., B. R. Wardlaw, and **L. L. Lambert**. Guadalupian Series: International standard for Middle Permian Time. *In:* F. Armstrong et al., (eds.), 25 Years of Cultural and Natural Resource Stewardship-- Guadalupe Mountains Research and Resource Management Symposium. [Guadalupe Mountains National Park, Pine Springs, Texas.] unnum.
- [Reprinted 2004, *in:* F. R. Armstrong and K. KellerLynn (eds.), The Guadalupe Mountains Symposium--Guadalupe Mountains National Park 25th Anniversary Conference, Research and Resource Management Proceedings {Guadalupe Mountains National Park}, p. 424-425.]
- 1997 **Lambert, L. L.**, and J. W. Dudik[^]. Conodont indices and sequence stacking geometry in the Midcontinent: A key to mid-Upper Carboniferous stratigraphic packages across N. America. Geological Society of America Abstracts with Programs 29:18-19.
- 1997 Wardlaw, B. R., and **L. L. Lambert**. Conodont and sequence stratigraphy of the Kungurian and Guadalupian of West Texas and New Mexico. Geological Society of America Abstracts with Programs 29:50.
- 1997 Lemke, D. E., D. W. Olson, M. S. Olson, R. L. Doescher, and **L. L. Lambert**. Pinon pines and the route of Cabeza de Vaca. *In:* Southwestern

Association of Naturalists 44th Annual Meeting. Agenda and Abstracts
Volume. [University of Arkansas, Fayetteville, Arkansas.] Abstract #72.

- 1996 Glenister, B. F., H. Kozur, **L. L. Lambert**, C. Spinosa, and B. R. Wardlaw. Guadalupian Subseries: Proposed international standard for the lower Upper Permian Series. *In:* B. R. Wardlaw and D. M. Rohr (eds.), Abstracts and Proceedings of the Second International Guadalupian Symposium. [United States Geological Survey, Reston, Virginia.] p. 2-3.
- 1996 **Lambert, L. L.**, and B. R. Wardlaw. Precise definition of the Lower/Upper Permian (basal Guadalupian) boundary: Morphometrics of the *Mesogondolella-Jinogondolella* pedomorphocline. *In:* B. R. Wardlaw and D. M. Rohr (eds.), Abstracts and Proceedings of the Second International Guadalupian Symposium. [United States Geological Survey, Reston, Virginia.] p. 15-16.
- 1996 **Lambert, L. L.** Ontogenetic stages reflected in conodont Pa elements: A proposed standardized classification and its paleobiologic implications. *In:* J. E. Repetski (ed), Sixth North American Paleontological Convention Abstracts of Papers. Paleontological Society Special Publication 8:228.
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- 1995 **Lambert, L. L.** Conodonts of the type Des Moines Supergroup: An update on increasing biostratigraphic resolution and remaining taxonomic problems. Geological Society of America Abstracts with Programs 27:67.
- 1995 **Lambert, L. L.**, J. C. Youle, and W. L. Watney. Sequence hierarchy and early Absaroka onlap in North American Midcontinent. Geological Society of America Abstracts with Programs 27:67.
- [Reprinted 1995, *in:* Oklahoma Geology Notes 55:116-117.]
- 1995 Nestell, M. K., **L. L. Lambert***, and B. R. Wardlaw. Pennsylvanian fusulinaceans and conodonts of the Baker Terrane, eastern Oregon. Geological Society of America Abstracts with Programs 27:76.

- 1995 **Lambert, L. L.**, and R. J. Stanton, Jr. Expansive biostromes and sequence stratigraphy: A clue to prime habitat for Upper Carboniferous *Chaetetes*. *In*: M. J. Comas-Rengifo, A. Perejon, S. Rodriguez, and W. J. Sando (eds.), VII International Symposium on Fossil Cnidaria and Porifera, Abstracts, [Departamento de Paleontologia, Universidad Complutense, Madrid, SPAIN.] p. 46.
- 1995 Stanton, R. J., Jr., **L. L. Lambert**, and G. E. Webb. Positive geotropic growth in *Chaetetes*. *In*: M. J. Comas-Rengifo, A. Perejon, S. Rodriguez, and W. J. Sando (eds.), VII International Symposium on Fossil Cnidaria and Porifera, Abstracts, [Departamento de Paleontologia, Universidad Complutense, Madrid, SPAIN.] p. 87-88.
- 1994 **Lambert, L. L.**, B. F. Glenister, and B. R. Wardlaw. Morphometric confirmation of the *Mesogondolella idahoensis* to *M. nankingensis* transition. International Symposium on Permian Stratigraphy, Environments and Resources. Abstracts Volume [Nanjing University Press, Nanjing, CHINA.] p. 16.
- 1994 Harris, M. T., D. J. Lehrmann, and **L. L. Lambert**. Comparison of the depositional environments and physical stratigraphy of the Cutoff Formation (Guadalupe Mountains) and Road Canyon Formation (Glass Mountains): Lowermost Guadalupian (Permian) of west Texas. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), Preliminary Proceedings of the Guadalupian Symposium. Technical Report for the International Subcommittee on Permian Stratigraphy. United States Geological Survey, Report 94-000:21.
- 1994 **Lambert, L. L.**, D. J. Lehrmann, and M. T. Harris. Correlation of the Road Canyon and Cutoff Formations, west Texas, and its relevance to establishing an international Middle Permian (Guadalupian) Series. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), Preliminary Proceedings of the Guadalupian Symposium. Technical Report for the International Subcommittee on Permian Stratigraphy. United States Geological Survey, Report 94-000:22.
- 1994 **Lambert, L. L.**, B. R. Wardlaw, and B. F. Glenister. Morphometrics of the Permian conodont paedomorphocline from *Mesogondolella idahoensis* to *M. nankingensis*: Paleobiologic and chronostratigraphic significance. Geological Society of America Abstracts with Programs 26:344.
- 1993 **Lambert, L. L.** Restudy of type Des Moines (Pennsylvanian) conodonts described by Youngquist & Heezen (1948) and Youngquist & Downs (1949). Geological Society of America Abstracts with Programs 25:32-33.

- 1993 **Lambert, L. L.**, and R. C. Grayson, Jr. Complexity in *Neognathodus* (Pennsylvanian Conodonta)--Heterochrony, polymorphism, and recurrent morphotypes. Geological Society of America Abstracts with Programs 25:33.
- 1992 **Lambert, L. L.**, and B. R. Wardlaw. Preliminary morphometric analysis of the Permian conodont *Mesogondolella idahoensis* to *M. serrata* evolutionary transition. Geological Society of America Abstracts with Programs 24:27.
- 1991 Heckel, P. H., J. E. Barrick, D. R. Boardman, **L. L. Lambert**, W. L. Watney and C. P. Weibel. Biostratigraphic correlation of eustatic cyclothems (basic Pennsylvanian sequence units) from Midcontinent to Texas and Illinois. American Association of Petroleum Geologists Bulletin 75:592-593.
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- 1991 **Lambert, L. L.**, P. H. Heckel, W. L. Watney, G. M. Stevenson, J. E. Barrick and D. R. Boardman, II. Precision correlation of Kansas Pennsylvanian cyclothems emphasizing wire-line logs and conodonts in a sequence stratigraphic framework. American Association of Petroleum Geologists Bulletin 75:616.
- 1991 **Lambert, L. L.**, D. J. Lehrmann, and M. T. Harris. Faunal correlation of the Road Canyon and Cutoff Formations, West Texas, and its bearing on the Leonardian/Guadalupian Boundary. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), Proceedings of the Guadalupian Symposium, [Sul Ross State University, Alpine, Texas.] p. 7.
- 1991 Harris, M. T., D. J. Lehrmann, and **L. L. Lambert**. Comparison of the depositional environments and physical stratigraphy of the Cutoff Formation (Guadalupe Mountains) and Road Canyon Formation (Glass Mountains): Middle Permian of West Texas. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), Proceedings of the Guadalupian Symposium, [Sul Ross State University, Alpine, Texas.] p. 8.
- 1991 Furnish, W. M., B. F. Glenister, and **L. L. Lambert**. Ammonoid biostratigraphy of the Road Canyon Formation and correlatives. *In*: B. R. Wardlaw, R. E. Grant, and D. M. Rohr, (eds.), Proceedings of the Guadalupian Symposium, [Sul Ross State University, Alpine, Texas.] p. 11.
- 1991 Watney, W. L., D. L. Baars, G. Stevenson, J. A. French, J. C. Wong, **L. L. Lambert**, and J. Harff. Regional structure and stratigraphic framework in Kansas and relationship to oil and gas accumulation. American Association of Petroleum Geologists Bulletin 75:1400.

- 1991 Stanton, R. J., Jr., **L. L. Lambert**, and W. M. Connolly. Paleoeecology of *Chaetetes* in the middle Carboniferous of the Southwest United States. *In*: K. Oekentorp (ed.), Abstracts--VI International Symposium on Fossil Cnidaria including Archaeocyatha and Porifera, [Munster/Westphalia, GERMANY.] pp. 84-85.
- 1990 **Lambert, L. L.** Atokan conodonts from the type Des Moines region. Geological Society of America Abstracts with Programs 22:12.
- 1990 **Lambert, L. L.**, and T. L. Thompson. Age and significance of the "Ladden Branch" limestone (Riverton Formation, Pennsylvanian), West-Central Missouri. Geological Society of America Abstracts with Programs 22:13.
- 1989 **Lambert, L. L.** A proposed basis for establishing a formal Atokan/Desmoinesian boundary. Geological Society of America Abstracts with Programs 21:16.
- [Reprinted 1989, *in*: Oklahoma Geology Notes 49:101-102.]
- 1988 **Lambert, L. L.**, and R. J. Stanton, Jr. Carbonate facies and stratigraphic framework of the middle Magdalena (Middle Pennsylvanian), Hueco Mountains, West Texas. American Association of Petroleum Geologists Bulletin 72:101.
- 1988 Grayson, R. C., Jr., G. K. Merrill, and **L. L. Lambert**. Phylogenetic significance of apparatus reconstructions of some Mid-Carboniferous gnathodontid conodonts. *In*: W. Ziegler (ed.), First International Senckenberg Conference and Fifth European Conodont Symposium (ECOS V) Contributions I--Part 2: Abstracts of Meetings. Courier Forschungsinstitut Senckenberg 102:239-240.
- 1987 Grayson, R. C., Jr., and **L. L. Lambert**. Evolutionary distinction between Atokan and Desmoinesian (Pennsylvanian) *Neognathodus*. Geological Society of America Abstracts with Programs 19:152.
- [Reprinted 1987, *in*: Oklahoma Geology Notes 47:198-199.]
- 1986 **Lambert, L. L.** Growth habitat of the microproblematical genus *Donezella* in the middle Magdalena, Hueco Mountains, West Texas. Geological Society of America Abstracts with Programs 18:250-251.
- 1986 **Lambert, L. L.**, W. M. Connolly, and R. J. Stanton, Jr. Preferred depth of abundant Pennsylvanian *Chaetetes*. *In*: P. Robinson (ed.), NAPC-IV, Fourth North American Paleontological Convention Abstracts and Program [University Museum, University of Colorado, Boulder.], p. A27.

- 1986 **Lambert, L. L.**, and R. J. Stanton, Jr. Environmental controls on *Chaetetes* growth morphology. Geological Society of America Abstracts with Programs 18:665.
- 1985 **Lambert, L. L.** Conodont biostratigraphy of the middle Magdalena (Atokan, Desmoinesian), Hueco Mountains, West Texas. Geological Society of America Abstracts with Programs 17:164.

Invited Seminar/Professional Presentations:

- “Insights to Permian Stratigraphy in the Delaware Basin from the Largely Ignored Patterson Hills Outcrops” (2014 West Texas Geological Society [February] Luncheon Seminar)
- “Measured Sections to Track Various Stratal Architectures—A Key to High-Resolution Stratigraphy and an Introduction to my Research” (2014, Dept. of Geology, Stephen F. Austin State University)
- “New Perspectives on Old Problems in the Type Guadalupian (Middle Permian Series): the Devil is in the Details” (2010, Permian Basin Section-SEPM Society for Sedimentary Geology [February] Luncheon Seminar)
- “The ‘New’ Permian Time Scale: Increasing Stratigraphic Resolution, Better Worldwide Correlation—and a Bit of Consternation” (2007, Permian Basin Section-SEPM Society for Sedimentary Geology [March] Luncheon Seminar)
- “Measured Sections to Track Various Stratal Architectures—A Key to High-Resolution Stratigraphy” (2007, Dept. of Geology and Geophysics Seminar Series, Texas A&M University)
- “Ammonoid Paleoecology and Zonation of the Type Guadalupian, Guadalupe Mountains National Park, West Texas” (2002, Dept. of Earth and Environmental Science Graduate Seminar, University of Texas at San Antonio)
- “Conodonts and Increasing Precision in Intercontinental Correlations” (2001, Dept. of Earth and Environmental Science Graduate Seminar, University of Texas at San Antonio)
- “Integrated Sequence Stratigraphic and Biostratigraphic Approaches in Developing an International Standard Geologic Time Scale for the Late Paleozoic” (2001, Dept. of Earth and Environmental Science, University of Texas at San Antonio)

- “Conodonts and Correlations Around the Supercontinent Pangea” (2001, Dept. of Earth and Environmental Science University of Texas at San Antonio)
- “Conodont Heterochronoclines—Selected Evolutionary and Chronostratigraphic Ramifications” (2000, Dept. of Biology and Natural Resources, Southwest Texas State University)
- “The International Guadalupian Series: As a Global Chronostratigraphic Standard and as a Teaching Reference” (1998, Dept. of Physics, Southwest Texas State University)
- “The Guadalupian Series as a Global Permian Chronostratigraphic Unit” (1997, Dept. of Geosciences, Texas Tech University)
- “The Permian System: Evolution of an International Time Scale” (1992, Dept. of Geology, University of Iowa; with B. F. Glenister)
- “A Faunal and Sedimentological Comparison of the Atokan/Desmoinesian and Leonardian/Guadalupian Boundaries” (1991, School of Geology, Oklahoma State University)

Honors, Awards, and Other Special Recognition

W. Storrs Cole Memorial Research Award (The Cushman Foundation and the Geological Society of America)
-- 2008 Recipient

UNICEF-- International Union of Geological Sciences:

Subcommission on Carboniferous Stratigraphy [International Commission on Stratigraphy], Corresponding Member (2000-2012); Voting Member (2012-Present)

IUGS-SCCS Bashkirian-Moscovian Boundary Task Group, Voting Member (2002-Present)

IUGS-SCCS Moscovian-Kasimovian Boundary Task Group, Voting Member (2000-Present)

IUGS-SCCS Kasimovian-Gzhelian Boundary Task Group, Voting Member (2000-Present)

Subcommission on Permian Stratigraphy [International Commission on Stratigraphy], Corresponding Member (1991-Present)

IUGS-SCPS Guadalupian Working Group, Member or Corresponding Member (1991-Present)

Member, SEPM Midcontinent Pennsylvanian Stratigraphic Working Group (1987-2001)

Faculty Award Recipient (1997), Honors 2380 Team, Texas State University

Funded Grants (post-Ph.D.)

U.S. Department of Education (10/15 to 9/18). “Minority Improvement in Earth Science and Environmental Engineering at the University of Texas at San Antonio (MIESE at UTSA)”. [PI; Co-PI]. \$748,705

National Natural Science Foundation of China (9/16-9/18). “Multidisciplinary Study on the GSSP for the Base of the Global Serpukhovian Stage and the Global Cooling Event in Late Mississippian”. [Visiting Scientist]. {US dollar equivalent uncertain.}

U.S. Department of Education (10/10 to 9/13). “Minority Opportunity for Research Experience in Earth Science and Environmental Engineering at the University of Texas at San Antonio (MORESE at UTSA)”. [Co-PI]. \$561,433

National Natural Science Foundation of China (9/10-9/11). “Continued Study on Conodonts and their Global Correlations of the Candidate GSSPs of Carboniferous Stages in South China”. [Visiting Scientist]. {US dollar equivalent uncertain; covered Qi Yuping’s visit to UTSA 10/10.}

National Natural Science Foundation of China (9/09-9/10). “Study on Conodonts and their Global Correlations of the Candidate GSSPs of Carboniferous Stages in South China”. [Visiting Scientist]. {US dollar equivalent uncertain; covered my expenses for travel and field work within China, plus room, board, and expenses during 5 week visit to Nanjing; also covered Qi Yuping’s visit to UTSA 4-5/10.}

German National Science Foundation (6/08 to 6/10). “Oxygen Isotopes of Pennsylvanian Conodonts: Surface Water Salinity in the U.S. Midcontinent Sea”. [Cooperative Scientist]. \$7,200 {6,000 euro for UTSA; 17,416.40 euro total grant}

- UTSA Faculty Research Award (1/07 to 8/07). "The World's Second Specimen of *EPITHALASSOCERAS* (Permian Ammonoidea): A New Species from Timor". [PI]. \$5,000
- National Science Foundation (6/04 to 8/08). "Geoscience Alliance to Enhance Minority Participation". [UTSA Facilitator]. \$1,204,416 {total grant; through LSU}
- Sloan Foundation (originally 2004 through academic year 2005-2006; now a continuing grant). "Minority Recruitment, UTSA Environmental Science and Engineering Doctoral Program" [Mentor, with 7 other UTSA faculty; E. Inniss PI]. \$84,000 {total through my last date of active association, ending 5/06}
- UTSA Faculty Research Award (1/03 to 8/03). "The Evolutionary Transition from *DEMAREZITES* to *WAAGENOCERAS* (Permian Ammonoidea): Evaluation of Which Sutural Characters Best Carry Genus-Level Significance". [PI]. \$5,000
- Texas State University—Student Computing Resources Grant (9/00 to 1/02). "Geology Computer Lab". [co-PI with Carter Keairns] \$18,189
- Texas Legislature Research Enhancement Grant Program (9/99 to 9/00). "Delineation of the International Standard Guadalupian Series Boundaries in Basinal Deposits, Delaware Mountains, West Texas". [PI]. \$6,386
- Advanced Research Program—Texas Higher Education Coordinating Board (8/99 to 8/03). "Refining the Geologic Time Scale: Integrated Biostratigraphy, Chemostratigraphy, and Sequence Stratigraphy". [PI]. \$ 53,622 {\$59,922 total grant with supplement, below }
- Advanced Research Program—Texas Higher Education Coordinating Board, Supplemental Grant Program (6/01 to 8/01). "Refining the Geologic Time Scale: Integrated Biostratigraphy, Chemostratigraphy, and Sequence Stratigraphy". [PI]. \$6,300
- Texas Water Resources Institute Cooperative Research Grant (3/99 to 3/01). "Spatial Determination of Recharge to the Trinity Aquifer (Lower Glen Rose), a Priority Ground-Water Region of Texas". [co-PI, Marshall Jennings] \$85,009
- CONOCO Oil and Gas Company Research Grant (2/99 to 9/99). "Biostratigraphic Control for Improved Stratigraphic Resolution of the Brushy Canyon Formation". [PI]. \$5,000

Texas State University College of Science Indirect Cost Summer Fellowship Program (6/98 to 8/98). "Chronostratigraphic Investigations in the Type Guadalupian Region". [PI]. \$3,560

Previous Funded Grants (Graduate School)

ARCO Oil and Gas Company Research Grant
GSA South-Central Section Student Travel Awards
Iowa Geological Survey Bureau Grant-in-Aid
National Geographic Society Grant 3948-88, Team Member
National Science Foundation, U.S.-China Cooperative Research Program INT-8822531 [to B. F. Glenister]
Sigma Xi Grant-in-Aid
University of Iowa Graduate School Bequests
University of Iowa Graduate Student Senate Travel Award

Professional Service

Offices Held

Chair, South-Central Section, Paleontological Society (2002-2003)
Paleontological Society Council Member (2002-2003)

Peer Reviewer—Grants

National Science Foundation
Petroleum Research Fund (American Chemical Society)

Peer Reviewer—Publications

Textbook:

Principles of Paleontology, 3rd Edition. W. H. Freeman Publishers

Journals:

Canadian Journal of Earth Sciences
Geobios
Geological Journal
Geological Magazine
Gondwana Research
Journal of Paleontology
Micropaleontology
Microscopy Research and Technique
Palaeogeography, Palaeoclimatology, Palaeoecology

Palaeoworld
Paleontographica Americana
Revista Brasileira de Paleontologia
Scripta Geologica
Stratigraphy

Book Series:

Missouri Geological Survey Special Publications
SEPM—Society for Sedimentary Geology Special Publications

Professional Societies and Scientific Organizations

Session Chair: Devonian/Carboniferous Ammonoids. 10th International Symposium “Cephalopods – Present and Past”, Fes, Morocco. March, 2018.

Poster Judge: 10th International Symposium “Cephalopods – Present and Past”, Fes, Morocco. March, 2018.

Symposium Chairman: Pander Society Conodont Symposium, Session I and Session II. South-Central Section, Geological Society of America, 39th Annual Meeting. Trinity University, San Antonio, Texas. April, 2005.

This was the annual North American Pander Society meeting for 2005. I received a nice review of this meeting in the annual Pander Society Newsletter, located at:

www.le.ak.uk/geology/map2/pander/2005/Pander2005.pdf

Symposium Co-Chairman: Advances in Gulf Coast Paleoecology. Combined South-Central/Southeastern Sections, Geological Society of America, Annual Meeting. University of Memphis, Memphis, Tennessee. April, 2003.

In association with that same meeting, I: 1.) Organized logistics and planned (and participated in) the Paleontological Society Mid-Year Council Meeting [national level]. 2.) Handled logistics and planning (and participated in) for the combined South-Central and Southeastern Sections of the Paleontological Society Annual Business Meeting [regional level], and 3.) operated the Paleontological Society booth with assistance from graduate students Ben Boyer, Jonas Harrell, and Lisa Harrell [regional level].

Symposium Co-Chairman: Permian of the Southwest, Session I and Session II. South-Central Section, Geological Society of America, 36th Annual Meeting. Sul Ross State University, Alpine, Texas. April, 2002.

Field Trip Co-Leader: Edwards Outcrop in the Balcones Fault Zone. Gulf Coast Association of Geological Societies 2004 Annual Meeting.

Field Trip Co-Leader: Edwards Water Resources in Central Texas: Retrospective and Prospective. South Texas Geological Society and the Bureau of Economic Geology. 2004.

Field Trip Co-Leader: Middle Permian Stratotypes of the Guadalupe Mountains National Park. South-Central Section, Geological Society of America, 36th Annual Meeting. 2002.

Field Trip Co-Leader: Stratotype Canyon: A Proposed International Standard. Field Trip # 10, Guadalupe Mountains Research and Resource Management Symposium. 1998.

Field Trip Stop Leader: Carboniferous Geology and Tectonic History of the Southern Fort Worth Basin and Concho Platform, Texas. Geological Society of America Annual Convention Field Trip #20. 1990.

Field Trip Co-Leader: Stratigraphy and Depositional History of the Cherokee Group, South-Central Iowa. Geological Society of Iowa 1988 Field Trip.

Field Trip Stop Leader: Early and Late Paleozoic Conodont Faunas of the Llano Uplift Region, Central Texas. Field Trip 1, South-Central Section, Geological Society of America, 21st Annual Meeting. 1987.

Continuing Education and Professional Workshops

PS—Pedagogy and Technology in the Modern Paleontology Classroom. 2018.

NSF Workshop—Navigating NSF. 2018.

Academic Research Funding Strategies, LLC—Research Development Workshop for UTSA; U.S. Dept. of Energy, Office of Science. 2018.

PS—Biogeochemical Approaches in Paleobiology and Paleoecology. 2017.

PS—Virtual Paleontology. 2016.

PS—Earth-Life Transitions: Paleobiology in the Context of Earth System Evolution. 2015.

PS—Reading and Writing of the Fossil Record: Preservation Pathways to Exceptional Fossilization. 2014.

PS—Ecosystem Paleobiology and Geobiology. 2013.

GSA—Structural and Stratigraphic Concepts (Basin Analysis) Short Course. 2008.

NSF Workshop—GeoSystems: Probing Earth's Deep-Time Climate & Linked Systems. 2007.

PS—Paleobiogeography: Generating New Insights into the Coevolution of the Earth and Its Biota. 2005.

UTSA—Fulbright Scholarship Workshop. 2005.

PS—Paleobiology of the Neoproterozoic-Cambrian Transition. 2004.

GSA—Fund Your Science Shortcourse. 2004.

PS—The Fossil Record of Predation. 2002.

USGS Fracture Workshop and Application to the Edwards Aquifer. 2002.

Grant Writer's Seminars & Workshops, LLC—Write Winning Grants. 2001.
GSA—Effective Teaching of Hydrogeology: How to Make Do With Scant
Real-World Data. 1996.
PS/SVP—Major Features of Vertebrate Evolution Short Course. 1994.
GSA—Computer Modeling of Cyclic Carbonate Sequences. 1990.
PS/SVP/NAGT—The Age of Dinosaurs Short Course. 1989.
SEPM Core Workshop #13—Subsurface and Outcrop Examination of the
Capitan Shelf Margin, Northern Delaware Basin. 1989.
SEPM Core Workshop #5—Carbonate Sands. 1984.
AAPG—Geochemistry For Geologists School. 1982.
AAPG—Structural Geology Shortcourse. 1981.

University Administrative Positions

Department Chair (June 1, 2014-Sept. 4, 2018). Geological Sciences Dept.,
UTSA
Assistant Department Chair (Sept. 4, 2018-December 31, 2018). Geological
Sciences Dept., UTSA
Graduate Advisor of Record (2009-2012). Geological Sciences Dept., UTSA
Director of Geology Program (1997-2001). Texas State University

University Committees (UTSA only; [office held])

University Level

UTSA Faculty Senate (2018-present)
UTSA Core Curriculum Government & Political Science Subcommittee
(2012)
UTSA Graduate Council [Parliamentarian (2008-2010)] (2008-2010)
UTSA Graduate Council Nominating Committee (2009-2010)
UTSA Grievance Committee (2008-2010)
UTSA Grievance Hearing Panel (2001-2003; 2008)
UTSA Council on International Programs (2004-2007)
UTSA University Review Committee (2007)
UTSA Student Travel Policy Committee (2004-2005)

College Level

College of Science Dean's Executive Council (2014-2018)
College of Science Faculty Review Committee (2006-2008; 2013-2014;
2018-present)
College of Science Research Vision Committee (2006-2007)
College of Science Classroom Space Committee (2006-2007)
College of Science Scholarships and Awards Committee (2002-2004)
College of Science Building Renovation Committee (2002-2003)
College of Science Policy Committee (2001-2003)

Ph.D. Program (Shared between the Colleges of Science and Engineering)

Environmental Science and Engineering Doctoral Studies Committee [Vice Chair (2004-2006)] (2004-2006)

Environmental Science and Engineering DSC Subcommittee on Mission and Planning [Chair (2006)] (2006)

Department Level

Geological Sciences Policy and Budget Committee [Chair (2018-present)]

Geological Sciences Faculty Review Committee [Chair (2010-2013)] (2006-2014; 2018-present)

Geological Sciences ad hoc Emeritus Faculty Review Committee [Chair (2014)] (2014)

Geological Sciences Periodic Performance Review Committee [Chair (2010-2013)] (2009-2014)

Geological Sciences Department Review Committee [Chair (2014)] (2014)

Geological Sciences Annual Performance Review Committee-of-the-whole [Chair 2013] 2013

Geological Sciences Graduate Studies Committee [Chair (09-12)] (2005-2007; 2009-2014)

Geological Sciences Policy Committee [Chair (2006-2009; 2013-2014)] (2006-2012, 2013-2014)

Geological Sciences Faculty Library Liaison (2012-2014)

Geological Sciences Scholarship Committee (2005-2008)

Geological Sciences Scheduling Committee (2005-2008)

Geological Sciences Faculty Search Committees

(5 different multidisciplinary search committees from 2003-2005;

Karst Hydrology Search Committee 2011-2012;

Sedimentology-Stratigraphy Search Committee 2012-2013)

Research Center Level

Water Research Center Core Lab Supervisor (2005-2007)

Water Research Center Scholarship Committee (2003-2004)

University Courses Taught

Graduate--

Global Change

Advanced Stratigraphy

Petroleum Geology

Directed Research

Seminar (Ph.D. Env. Sci. & Eng.)

Paleoecology

Advanced Paleontology

Basin Analysis

Independent Study

MS Thesis Research

Carbonate Petrology

Micropaleontology

Current Topics

Seminar (M.S. Geosciences)

Undergraduate--

Paleontology
Field Geology
Sedimentology
Stratigraphy

Hydrogeology
Applied Geology
Mineralogy
Honors Research

Historical Geology
Physical Geology
Earth Science
Directed Study

Graduate Students Supervised

Completed M.S. Theses

Dena S. Chenault—M.S. Geology 12/04: "Genetic Correlation of the Fredericksburg and Washita Groups, Upper Comanche Series, South Central Texas: Relation Between Depositional Environments and Stratigraphic Sequences". Unpublished M.S. Thesis, University of Texas at San Antonio. 112 pp., 5 oversize plates.

Benjamin J. Boyer—M.S. Geology 5/07: "The Conodont Color Alteration Index (CAI) Using Igneous and Metamorphic Pressure and Temperature Conditions, Marble Canyon, Sierra Diablo Mountains, West Texas". Unpublished M.S. Thesis, University of Texas at San Antonio. 125 pp., 1 oversize plate.

Jonas E. Harrell—M.S. Geology 8/07: "Carboniferous Stratigraphy of the Sierra Diablo, Culberson County, Texas". Unpublished M.S. Thesis, University of Texas at San Antonio. 99 pp., 3 oversize plates.

Sara J. Roach—M.S. Environmental Science 5/09: "Resource-Mediated Competition of *Acacia berlandieri*, a Native C3 Shrub, and *Trichloris pluriflora*, a Native C4 Grass". Unpublished M.S. Thesis, University of Texas at San Antonio. 170pp.

Joshua N. Hughes—M.S. Geology 12/11: "Insights to Progradational Development of the Northwest Delaware Basin Margin From Patterson Hills Outcrops (Guadalupe Mountains National Park), West Texas". Unpublished M.S. Thesis, University of Texas at San Antonio. 108pp.

Stephen N. Wells—M.S. Geology 5/12: "Distribution and Characterization of Source Rocks in the Upper Black Shale Facies, Green River Formation, Northern Uinta Basin, Utah". Unpublished M.S. Thesis, University of Texas at San Antonio. 58pp.

Andrea N. Smith—M.S. Geology 8/12: "New Ammonoid Localities from the Southern Delaware Mountains and Seven Heart Gap, Culberson County, West Texas". Unpublished M.S. Thesis, University of Texas at San Antonio. 138pp.

- Peter Z. Anderson—M.S. Geology 12/12: “Carboniferous Conodont Biostratigraphy of Three Cores in Eastern Kansas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 49pp.
- Brandon R. Christie—M.S. Geology 5/13: “Fusulinid Biostratigraphy of a Carbonate-Dominated Section in the Patterson Hills, Guadalupe Mountains National Park, West Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 62pp.
- Mary A. Hughes—M.S. Geology 5/13: “Conodont Biostratigraphy of a Carbonate-Dominated Delaware Mountain Group Section in the Patterson Hills, Guadalupe Mountains National Park, West Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 90pp.
- Ayni Kocaturk—M.S. Geology 8/13: “Early Mississippian Calcareous Foraminifera from the Lower Part of the Joana Limestone Formation, Utah”. Unpublished M.S. Thesis, University of Texas at San Antonio. 87pp.
- Mehtap Pinar—M.S. Geology 12/13: “Smaller Foraminifera from the Auxiliary Type Section, Reef Trail Member, Bell Canyon Formation (Latest Guadalupian Series), West Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 67pp.
- Mary K. Canchola—M.S. Geology 5/14: “A semi-quantitative analysis of the distribution of conodonts in the maximum flooding deposits of the Lost Branch Cyclothem, ‘Latest Desmoinesian’ midcontinent and western North America”. Unpublished M.S. Thesis, University of Texas at San Antonio. 199pp.
- Janet L. Jordan—M.S. Geology 5/14: “A new species of Roadian (lower Middle Permian) ammonoid from West Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 94pp.
- Yilun Shao—M.S. Geology 5/14: “Correlation of scientifically-drilled cores in the Cherokee Group, Type Desmoinesian Stage (upper Middle Pennsylvanian Series), south-central Iowa”. Unpublished M.S. Thesis, University of Texas at San Antonio. 73pp.
- Sevim Yavuz Bayram—M.S. Geology 5/14: “Petrographic and insoluble residue analysis of selected portions of the lower Brushy Canyon Formation, Delaware Mountains, West Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 88pp.
- Can Sen—M.S. Geology 12/14: “Petrographic and geochemical characterization of the basal portion of the Capitan Formation, Patterson Hills, Guadalupe

Mountains National Park, West Texas, U.S.A.”. Unpublished M.S. Thesis, University of Texas at San Antonio. 187pp.

Oya Ak—M.S. Geology 5/15: “The depositional environment and the diagenetic processes of the Buda Limestone (Cenomanian) in south-central Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 82pp.

Rachel C. Todkill—M.S. Geology 5/15: “Back Ridge, Patterson Hills, Guadalupe Mountains National Park: A biostratigraphic correlation and reference section for the Capitanian Stage GSSP”. Unpublished M.S. Thesis, University of Texas at San Antonio. 48pp.

Matthew L. Allen—M.S. Geology 5/16: “New Permian ammonoid localities at Sibley’s Last Chance Ranch, Delaware Mountains, Culberson County, Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 101pp.

Kristin N. Sheaffer—M.S. Geology 5/16: “Preliminary oxygen isotope analysis of a mixed conodont assemblage from the Type Chappel Limestone (Tournaisian Stage, Mississippian Subsystem), San Saba County, Central Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 98pp.

Jena J. Allen—M.S. Geology 5/18: “A new family of Arcestaceae from East Timor, Indonesia”. Unpublished M.S. Thesis, University of Texas at San Antonio. 57pp.

Michelle M. Ortiz—M.S. Geology 5/18: “A method to estimate water depth of the Pennsylvanian Late Paleozoic Midcontinent Seaway in North-Central Texas using stable isotope stratigraphy”. Unpublished M.S. Thesis, University of Texas at San Antonio. 51pp.

In Progress (working titles)

Daniel Hoin: “Microfossils bracketing the basal Guadalupian Series boundary in an upper slope position, Guadalupe Mountains, West Texas”.

Donavan Lewis: “A New Genus of Kufengoceratinae from the Pipeline Shale Member, Brushy Canyon Formation (Upper Roadian Stage), Guadalupe Mountains, West Texas”.

Tiffany Faller: “Systematic implications of a new multielement reconstruction for *Gondolella* (Conodonta) from the North American Midcontinent”.

Corbin McColloch: “Carbon chemostratigraphy of the Ruby Ranch Member of the Cedar Mountain Formation near Moore Cut-off Road, west central Utah”.

Committee Chair, Non-Thesis M.S. Option

Wesley T. Keller—M.S. Environmental Science 8/07, University of Texas at San Antonio.

Murtala Obafemi Yisa—M.S. Geology 5/11, University of Texas at San Antonio.

Travis J. Garcia—M.S. Geology 12/12, University of Texas at San Antonio.

Undergraduate Honors Theses Supervised

John Fronimos—B.S. Honors College 5/08: “Latest Guadalupian Conodonts from the Reef Trail Member, Guadalupe Mountains National Park”. Unpublished Honors Thesis, University of Texas at San Antonio. 47 pp.

Mary Canchola—B.S. College of Sciences 5/11: “Paleoecology of Conodonts in the Maximum Flooding Deposits of the Lost Branch Cyclothem ‘Latest Desmoinesian’ Mid-continent North America”. Unpublished Honors Thesis, University of Texas at San Antonio. 97pp.

U.S. Department of Education MSEIP (MORESE/MIESE) Projects Supervised

Marcus Garcia—*Chaetetes* Modeling and Flow Calculations. (co-directed with Xiaofeng Liu) Third-Place Talk, 2011.

Marvin Lopez, Jr.—Defining an Undescribed Species of Ammonoid to be either *Demarezites* or *Waagenoceras*. Third-Place Poster, 2011.

Marvin Lopez, Jr.—Oxygen Isotopes in Conodont Phosphate: Paleoecological or Diagenetic Signal? 2012.

Christine Maher—Sexual Dimorphism in the Triassic Ammonoid *Joannites*. Third-Place Poster, 2013.

Karah Pena—Conodont Biostratigraphy of a Mystery Limestone in Central New Mexico. 2013, 2014.

Michelle Ortiz—Investigation of Community Paleoecology to Better Understand Depositional Parameters of the Finis Shale in Jacksboro (Jack County), Texas. 2016.

Tiffany Faller—Apparatus Reconstruction of the genus *Gondolella*. Second-Place Poster, 2018.

National Science Foundation GEOPATHS Projects Supervised

Asher Easton—Preparing Permian ammonoid specimens for study from two basinal limestone units (Cutoff Formation, Pipeline Shale Member) in the Guadalupe Mountains, West Texas. 2017.

Halina Haider—Suture drawings of ammonoid specimens from the Pipeline Shale Member of the Brushy Canyon Formation, Guadalupe Mountains, West Texas. 2017.

[Combined poster presentation: Haider, H., A. Easton, and L. L. Lambert, 2017. Precision Drawing of Ammonoid Sutures to Demonstrate a Hypothesis. Annual GEOPATHS Poster Session. To be displayed on a rotating basis in the Visitors Center at Guadalupe Mountains National Park.]

Service on Other Student Committees

Ph.D. Dissertation Committee

Evelynn J. R. Mitchell—Ph.D. Environmental Science and Engineering 12/07: “Determination of Seismic Efficiency and Storage Constants of the Edwards Aquifer: Balcones Fault Zone”. Unpublished Ph.D. Dissertation, University of Texas at San Antonio. 99pp.

Ph.D. Qualifying Exam Committees

2006: Mike Gilmer, Evelynn Mitchell.

2007: Hughbert Collier, Padmini Das, John Q. Hill, Marcus D. King, Keith N. Muhlestein, Pravin A. Punamiya.

M.S. Thesis Committees

Jason R. Faith—M.S. Geology 5/04: "Strain and Fractures in an Extensional Relay Ramp, Sierra del Carmen, Black Gap Wildlife Management Area, Brewster County Texas: Implications for Determining Structural Controls on Groundwater Flow Pathways in the Edwards Aquifer, South-Central Texas". Unpublished M.S. Thesis, University of Texas at San Antonio. 88 pp.

Cassi L. Otero—M.S. Geology 5/04: “Investigation of Lateral Inter-Aquifer Communication Between the Middle Trinity and Edwards Aquifers in Northern Bexar County, Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 72 pp., 1 oversize plate.

Lisa L. Harrell—M.S. Geology 12/05: “Modeling Differences in Drawdown Between a Horizontal Water Well and a Vertical Water Well Within a Confined Clastic Aquifer”. Unpublished M.S. Thesis, University of Texas at San Antonio. 93 pp.

David R. Stroud—M.S. Geology 12/05: “Application and Assessment of Optical Brighteners for Detecting Septic System Impacts on Surface and Subsurface Waters for a Portion of the Edwards Aquifer Recharge Zone”. Unpublished M.S. Thesis, University of Texas at San Antonio. 61 pp.

Fahad Al-Najrani—M.S. Geology 8/10: “Analysis of Overpressure Generating Mechanisms in Different Tectonic Settings”. Unpublished M.S. Thesis, University of Texas at San Antonio. 69 pp.

John D. Grosch—M.S. Geology 5/15: “Linking rudist distribution to paleoenvironmental conditions: Evidence from a Glen Rose patch reef (Albian, Cretaceous), Herff Falls, Boerne, Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 107 pp.

Bradley K. Arnett—M.S. Geology 12/15: “Fault characterization of the Cretaceous Niobrara Formation using 3-D seismic of the Bonny Field, Yuma County, Colorado”. Unpublished M.S. Thesis, University of Texas at San Antonio. 67 pp.

John R. Cooper—M.S. Geology 5/17: “The impact of tectonic and environmental changes on facies, depositional geometries, and sequence architecture within the Austin Chalk Group, south-central Texas”. Unpublished M.S. Thesis, University of Texas at San Antonio. 85 pp.

Matthew West—M.S. Geology 8/17: “Holocene paleoclimate interpreted by stable carbon and oxygen isotopes of ostracods from Xiada Co Lake on the Tibetan Plateau”. Unpublished M.S. Thesis, University of Texas at San Antonio. 52 pp.

M.S. Non-Thesis Option

Heather Johnson—M.S. Environmental Science 2004, University of Texas at San Antonio.

Crystal Gerrity—M.S. Environmental Science 2004, University of Texas at San Antonio.

Emily Thompson—M.S. Environmental Science 2005, University of Texas at San Antonio.

Gloria Adame—M.S. Environmental Science 2006, University of Texas at San Antonio.

Misti Thueson—M.S. Environmental Science 2006, University of Texas at San Antonio.

Hughbert A. Collier—M.S. Geology 2009, University of Texas at San Antonio.

Lisa C. Chavez—M.S. Environmental Science 2010, University of Texas at San Antonio.

James (Chris) McCaslin—M.S. Geology 2015, University of Texas at San Antonio.

Honors Committee

Malie Malanchuk—B.S. Honors College 5/03: “Incorporating Geology and Education in a Project on Kinesthetic Learning: The Model for a “Walk Through Time”. Unpublished Honors Thesis, University of Texas at San Antonio. 17 pp.

Non-University Committees and Service (since 2001)

Board Member, Wild Horse Overlook Homeowner’s Association (2015-present)
Braundera YMCA Youth Basketball Coach (2003; 2011)
Clark High School Merit Mentoring Program (2002; 2009-2010)
Starbase Kelly Career Guide (2001-2007)
Canyon Lake Gorge Scientific Advisory Committee (2004-2007)
Assistant Scout Master, Cub Scout Pack 903, Keystone District (2004-2007)
San Antonio Water System Technical Advisory Group (2006-2007)
Resources Consultant, Guadalupe Mountains National Park (2002)