

# Lawrence A. Wiedman, Ph.D.

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## FACULTY EMPLOYMENT HISTORY

### University of Saint Francis, Ft. Wayne, IN 46808

Professor of Biology	2004-Present
Faculty of the Year	2001-2002
Chair, Faculty Forum	2008-2009
Associate Professor of Biology and Physical Science	1998-2004
Director of Environmental Science Program (tenured)	1996-Present
Director of BS Field Science Program	1944-Present
Director of MS ENVS Program	2008-2010
Assistant Professor of Biology,	1994- 1998
Summertime Faculty Program for Gifted and Talented Children	1996, 97

### EPA External Auditor SARA 312/313

for Anderen AF Base, Guam w/Winergy LLC 2011, 12

### International Society of Zoological Sciences (ISZS)

Working Group on Environmental Ethics Committee Member 2005 -Present

### Auckland Institute of Technology Foundation Visiting Scholar

Auckland, New Zealand 1993

### Adjunct Faculty

**Huntington College**, Huntington, IN 46750 2000, 02, 05

**Hocking College**, Nelsonville, OH (Bahamas Program) 2004

**Western Illinois State University**, IL (Bahamas Program) 1993

### Monmouth College, Monmouth, IL 61462

Assistant Professor of Geology (tenured) 1985 - 93

Chair, Department of Geology 1986 - 93

Program Coordinator, Environmental Studies 1988 - 93

Joint Appointment in Department of Education 1988 - 93

Burlington Northern Teaching Effectiveness Award 1988

Faculty, College For Kids 1991, 92

Summer Program for Gifted 4-9th Graders

### Wright State University, Dayton, OH 45435

Assistant Professor of Geology 1981 - 90

Full time 1981-83; Adjunct/Summer 1984 - 90

Graduate Faculty 1982-1990

University Outstanding Teaching Award Finalist 1983

College of Science & Engineering

## EDUCATION

- Ph.D. Geology: Paleobiology (Sedimentology and Stratigraphy Minors)  
Kent State University, Kent, OH 44242 May, 1990
- M.S. Geology: Paleobiology/Sedimentology SUMMA CUM LAUDE  
Wright State University, Dayton, OH 45435 June, 1982
- B.S. Natural Resources/Geology MAGNA CUM LAUDE  
Ball State University, Muncie, IN May, 1978

## AWARDS & HONORS

- University of Saint Francis Faculty of the Year (2001-2002)
- Ball State University Geology Honor Alum (2003)
- Board of Directors Little River Wetlands Restoration Project (2010-present)
  - President (2011 – 2013)
- Huntington Co. Solid Waste Management District – Citizen Advisory Board (1999-pres.)
- Science Adviser to IN Gov. Mitch Daniel on Carbon Cap and Trade (2009)
- Appointed to Ft. Wayne Combined Sewer Drainage Promotion Group (2008-09)
- Appointed to Ft. Wayne Mayor Graham Richard's Green Ribbon Task Force (2006-07)
- Chair, Board of Directors, Indiana Natural History Society (1994 - 1996)
- Auckland Institute of Technology Foundation/Fulbright Foundation, Visiting Expert Program Scholar (Auckland, New Zealand, 1993)
- Board of Trustees, Member, International Field Studies (1995-2010) Nelsonville, OH
- International Society of Zoological Sciences (ISZS) Environmental and Biological Ethics Committee (2005-present)
- Advisory Board Eco Tourism and Environmental Science Programs- Hocking College (2004 – present)
- Appointed to Mayor's 5-Person Task Force to Investigate, Select, and Implement Curbside Recycling in Monmouth, IL (1992)
- Monmouth College Geology and Environmental Studies Programs named among nations top 150 by Peterson's Education Guides for inclusion in their *Education for the Earth Guidebook* (1992)
- Burlington Northern Teaching Effectiveness Award (Monmouth College, 1988)
- Outstanding Graduate Teaching Fellow Award - Finalist (Kent State University, 1985)
- Sigma Xi, national research honorary (Kent State University, 1984)
- University Outstanding Teaching Award - Finalist (Wright State University's College of Science & Engineering, 1983)

- Best Student Paper & Presentation (Paleontological Society, N-C GSA Meeting, 1982)
- International Science and Engineering Fair - Top Award Winner (1974)
- Personal Presidential Goodwill Ambassador for United States President Gerald R. Ford to the Japanese Student Science Fair (1975)
- Eagle Scout

## **GRANTS RECEIVED**

Ball Brothers Foundation Student Research Travel Grant 2008 (\$7000)

CAES (Center for Academic Excellence & Scholarship)

Eli Lily Foundation Research and Travel Grant 2005 & 2006, 2007 (\$20,000)

Foellinger Foundation Summer Program Grant (With R. Hurley, USF) 1995

Illinois State Board Education Science Literacy Grant (\$184,000)

Education Service Center #11; JEI Implementation in West-central Illinois, (1994-95)

Auckland Institute of Technology Foundation/Fulbright Foundation Grant (\$ 9000)

Visiting Expert Program (1993)

NSF/Keck Foundation (\$ 140,000) GSA SAGE/PEP Centers for Excellence (\$ 55,000 rewrite award granted by NSF - 1993)

Manuscript Prep. Grants (3, \$ 4,500 total) West Publishing, St. Paul, MN (1991, 92, 93)

## **PROFESSIONAL ORGANIZATIONS/OFFICES HELD**

### **Geological Society of America**

- Charter Member, Education Division
- Chair, Task Force to write position paper for the Society Defining Scholarly Work (Boyer Model) (1992-1995, Accepted by GSA Council May, 1993)
- Invited participant in GSA/NSF Planning Conference to create Centers for K-12 Science Education Excellence (Boulder, CO May, 1993)
- K-12 Educators Program Coordinator, Annual Meeting, Cincinnati, (Oct., 1992)
- Program Chairman North-Central Sectional Meeting, Macomb, IL (April, 1991)
- National Education Committee Member (1991 - 1995)
- SAGE Program Council (1991 - 1995)
- Chair, North-Central Education Comm.; State of IN (91 - present);
- North-Central Section Management Board (1989 - 1994)
- Convener, Symposium: "K-12 Earth Science Education in the 1990's" N-C Section Meeting - April, 1990 (over 250 K-12 teachers attended)
- Representative for the GSA to the "Focus on Teaching" Initiative, Syracuse University/American Association for Higher Education (July, 1992 - 1994)

## **Indiana Academy of Sciences**

- Member (1995-present); Geology/Geography Section Chair (2001)

## **Paleontological Society**

- National Board of Governors (1990 - 92)
- National Board's Rep to Coalition of Earth Science Educators (CESE) (1993-94)
- Chair, Northcentral Section (1991 - 92)
- Convener, Symposium: "*Experimentation as a Tool in Paleontological Studies*"  
N-C GSA/PS Joint Meeting, May, 1992

## **PUBLICATIONS**

### **Books**

Fried, Ethan and **L. A. Wiedman** (editors and conveners), 2005, Proceedings of the Conference on the Natural History of Andros Island, Bahamas, Feb 4/5, 2005.

**Wiedman, L.A.**, 1992. A Laboratory Manual for Introductory Oceanography: Interpretations and Applications, West Publishing, St Paul. 1992. Instructor Manual for above citation

Several University Published Field Guides and Lab Manuals

### **Peer Reviewed Journal & Proceedings Articles**

David F. Mullins and **Lawrence Wiedman**. 2009, "Andros Island: Bahamas Coral Reef Ecosystem is Living Laboratory for Students." September 23, 2009, at [www.earthzine.org](http://www.earthzine.org).

Wiedman, Claire E. and **L. A. Wiedman**, 2009, *An Investigation into the Origin and Pathways of Archeological Artifacts (pottery) from Blanket Sound, Andros Island, Bahamas*; New research Presented at the 12<sup>th</sup> Symposium on the Natural History of the Bahamas, San Salvador Is. June, 2005; accepted via peer review for the conference proceedings.

Yentes, Katie, Kristi (Burns) Roberts and **L. A. Wiedman**, 2009, *A Study of the Rebound of the Long-spined Sea Urchin, Diadema, and the Facilitation of Coral Recovery, Andros Island, Bahamas*; Presented at the 12<sup>th</sup> Symposium on the Natural History of the Bahamas, San Salvador Is. June, 2007; accepted via peer review for the conference proceedings.

Hapner, Joshua, Stella Snyder and **L. A. Wiedman**, 2007, *A Floral Cover Study of Blue Hole Cay, Andros Island, Bahamas; The Third in a Series of Five-Year Assessments, Proceedings of the 11<sup>th</sup> Symposium on the Natural History of the Bahamas*, Gerace Research Center, San Salvador Is., Bahamas, June 23-27, 2005.

Procise, Leo, (**L. A. Wiedman**, adviser) 2007, *Speed and Movement Patterns of the Common Caribbean Cushion Star, Oreaster reticulatus*, Proceedings of the 11<sup>th</sup>

*Symposium on the Natural History of the Bahamas*, Gerace Research Center, San Salvador Is., Bahamas, June 23-27, 2005.

Snyder, Stella, Tessa Pitts, Megan Eckert, and **L. A. Wiedman**; 2007, *An Investigation into the Regrowth Rate of Previously Harvested Bahamian Pine Yards, Andros Island, Bahamas*, Proceedings of the 11<sup>th</sup> Symposium on the Natural History of the Bahamas, Gerace Research Center, San Salvador Is., Bahamas, June 23-27, 2005,

Pitts, Tessa, Stella Snyder, Megan Eckert, and **L. A. Wiedman**. 2005. *Reforestation of the Bahamian Pine Yards 1950-Present*, Bahamas Science Alliance-ANDROS Conference, Feb 4-5, Stafford Creek, Andros Is. Proceedings in the Bahamas Journal of Science.

Wishmeyer (Lahrman), Abbie. and **L. A. Wiedman**. 2005. *An Archeological Study of Artifacts from South Blanket Sound, Andros Island*, Proceedings of the 10<sup>th</sup> Symposium on the Natural History of the Bahamas, Gerace Research Center, San Salvador Is., Bahamas

Eckert, Megan, Eric Aschendorf II, Lindsay Rice, Phillip Gregg, and **L. A. Wiedman** 2005, *Regrowth Rates and Successional Patterns of Previously "Clear Cut" Bahamian Pine Yards, Andros Island, Bahamas*, Proceedings of the 10<sup>th</sup> Symposium on the Natural History of the Bahamas, Gerace Research Center, San Salvador Is., Bahamas

**Wiedman, L.A.** 1994. From the Great Dino Extinction to the Origin of Man; the Real Abyss in Paleontology for K-12 Students. The Earth Scientist, Winter, 1993-94.

**Wiedman, L.A.** 1994. Oceanography Without the Ocean; a Lab-based Oceanography Course at a Landlocked Institution. The Earth Scientist, Spring, 1994.

**Wiedman, L.A.** 1990. Presentation of the Harrell L. Strimple Award of the Paleontological Society to Ernest and Onsby Hammon. Journal of Paleontology, Vol. 64, 4, pp. 679-80.

**Wiedman, L.A.**, R.M. Feldmann, and D.E. Lee. 1988. Brachiopoda from the La Meseta Formation (Eocene), Seymour Island, Antarctica. GSA Memoir Series, 169.

Zullo, V.A., **L.A. Wiedman**, R.M. Feldmann. 1988. Balanomorph cirripedia from the Eocene La Meseta Formation, Seymour Island, Antarctica, and preliminary summary of the geological history of Antarctic cirripeds. GSA Memoir Ser., 169.

McKinney, M.L., K.F. McNamera, **L.A. Wiedman**, and R.F. Feldmann. 1988. Echinoids from the La Meseta Formation (Eocene) Seymour Island, Antarctica. GSA Memoir Series, 169.

**Wiedman, L.A.**, and R.M. Feldmann. 1988. Ichnofossils and the Depositional Environment of the La Meseta Formation (Eocene), of Antarctica, GSA Memoir Series, 169.

Feldmann, R.M. and **L.A. Wiedman**. 1986. Trace Fossils in Antarctic Rocks: Clues to a Geologic Mystery. Earth Science. Winter, 1985.

**Wiedman, L.A.** 1985. Community Paleocological Study of the Silica Shale Equivalent of Northeastern Indiana. Journal of Paleontology, Vol. 59, 1, pp. 160-185.

**Wiedman, L.A.** 1984. Reproducibility of Biovolumetric Parameters in Community Reconstructions. Ohio Journal of Science, Vol. 84, 8, pp.98-102.

### **Abstracted Presentations**

#### **Current Directed Student Research Projects:**

Aaron S. Brattain and Lauren Oberley; -- A Baseline Study of Population Levels of Red Lionfish (*Pterois volitans*) at Selected Patch Reefs of the Androsian (Bahamas) Barrier Reef Complex Butler Undergraduate Research Conference, 2012

Vanessa Y. Herman and Aaron Myer -- Temporal Changes in Herbivory from the late 1970's to Present on Selected Patch Reefs of the Androsian (Bahamas) Barrier Reef Complex. Butler Undergraduate Research Conference, 2010

Amy Roberts, Mellisa Boyle, Ashly Everhard, Vanessa Williams – The Effects of the Natural Re-introduction of the Long-spined Urchin, *Diadema* to the Barrier Reef System along Andros Island, Bahamas, Butler Undergraduate Research Conference, 2009

Tyler Overmyer, Jenna Oberley, Christopher Cagnet, Emily Cebalt --The effects of Parrotfish Herbivory on Patch Reefs near Andros Island, Bahamas, Butler Undergraduate Research Conference, 2009

Thomas Meehan and Megan Selking – Algal identification and cover on Patch Reefs near Andros Island, Bahamas, Butler University URC 2009

Rachel Sherman and Steve Vaughn—Cluster Analysis of Neritid Snails in Windward/Leeward Environments, Indiana Academy of Science, Butler University Undergraduate Research Conference, 2006

Bridgette McCue—Monitoring the Freshwater Lens of Andros Is., Bahamas, Indiana Academy of Science, submitted 2006

Claire E. Wiedman and **L. A. Wiedman**—An Archeological Review of Pottery Shards from South Blanket Sound, Andros Island Bahamas Presented at the 12<sup>th</sup> Symposium on the Natural History of the Bahamas, San Salvador Is. June, 2007; accepted via peer review for the conference proceedings.

Yentes, Kate and Kristi (Burns) Roberts; (**L. A. Wiedman**, adviser) 2006, Monitoring the Natural Return of the Long-spined Urchin, *Diadema antillarum*, and its Affects on the World's Third Largest Barrier Reef Complex, Andros Island, Bahamas, Butler University Undergraduate Research Meeting, April 21, 2006; Presented at the 12<sup>th</sup> Symposium on the Natural History of the Bahamas, San Salvador Is. June, 2007; accepted via peer review for the conference proceedings.

Vaughn, Steven M. and Rachel M. Sherman, ( **L. A. Wiedman**, adviser) 2006, Field Recognition Criteria and Inter-tidal Niche Partitioning among Three Neritid Snails, Andros Island, Bahamas, Butler University Undergraduate Research Meeting, April 21, 2006

**Wiedman, L. A.** and Jenny Nichol. 2003. Fish Schooling Patterns and Habits in Marine Blue Holes, 10th Natural History of the Bahamas Conference and its Proceedings, San Salvador Is., Bahamas, June 19-23, 2003.

Wishmeyer (Lahrman), A. and **L. A. Wiedman**. 2002. An Archeological Study of Artifacts from South Blanket Sound, Andros Island, Bahamas, Indiana Academy of Science Annual Meeting, Butler University, Oct.

**Wiedman, L. A.** 2001. Undergraduate Collaborative Student Research with an International Flavor, Andros Island, Bahamas, the University of Saint Francis Model. 9th Natural History of the Bahamas Conference; San Salvador Is., Bahamas, June.

**Wiedman, L. A.** 2000. Integrating Field Studies as a Retention Tool for Undergraduate Institutions. IPFW "Dean's" Conference, March, 2000

**Wiedman, L. A.** 1994. Developing a Student/Faculty Collaborative Research Culture as an Integral Curriculum Component in Tertiary Science Education. Abstract and Program for the N-C GSA Sectional Meeting, Kalamazoo, MI, March, 1994.

Henson, J.K. and **L.A. Wiedman**. 1992. A Comparison of Ooid Grains on Joulter's Cay, Bahamas. Abstract and Program for the N-C GSA Sectional Meeting, Iowa City, May, 1992.

Kamadulski, D.M. (and **L.A. Wiedman**). 1991. A New Carbonate Facies and Topographic Map of Pigeon Cay, Andros Island, Bahamas and Depositional Environmental Analysis of the Area. Abstract and Program for the Annual GSA Meeting, San Diego, Oct. 1991. For Kamadulski to be eligible for student presentation award, Wiedman was omitted intentionally from abstract.

**Wiedman, L.A.** 1991. Teaching a Lab-based Oceanography Course at a Landlocked Institution. Abstract and Program for the N-C GSA Meeting, University of Toledo, OH, 1991.

**Wiedman, L.A.** 1990. Opening remarks; Symposium on Earth Science Education in the 1990's, Abstracts and Program for the N-C GSA Meeting, Macomb, IL.

Welch, R.A. and **L.A. Wiedman.** 1990. An Enigmatic Glacial Deposit near Joy, (West-Central) Illinois. Abstracts and Program for the Illinois Academy of Science's Annual Meeting, Champaign, IL, October.

Liniger, D.E. and **L.A. Wiedman.** 1989. A New Collegiate/Professional Short Course on Soils, Geomorphology and Bedrock Geology; Warren County (Western Illinois). Abstract & Program; Illinois Academy of Science's Meeting, Chicago.

**Wiedman, L.A.** and K.A. Emmert. 1988. Using an Historical/Geological Walking Tour of a Local Area to Introduce Liberal Arts Students to Earth Science Studies. National Association of Geology Teachers 50th Annual Meeting, Rock Island, IL, April.

**Wiedman, L.A.** and R. Pletz. 1988. Successfully integrating the Extended College Community into the Undergraduate Geology Program ; a Case Study from Monmouth, Illinois. Abstract and Program for the N-C GSA Annual Meeting, Akron, OH, April.

Additionally, there are several other abstracted professional talks prior to 1988. Citations/Abstract copies and presentation titles available upon request.

## **Art Awards**

People's Choice Award – Buchanan Center for the Arts Monmouth, IL	1993
Best in Show - Arts Renaissance in Roanoke (IN)	2010, 2011, 2013
Decatur Sculpture Walk – 2 pieces juried in	2012
3 pieces juried in	2013

## **Invited Demonstration Artist**

Arts Renaissance in Roanoke (IN)	2010, 11, 12, 13
Johnny Appleseed Fest – Fort Wayne, IN	2010, 11, 12, 13
Pioneer Fest – Huntington, IN	2008, 9, 10, 11, 12, 13