CURRICULUM VITAE - JOHN ABBOTT PECK

October 10, 2018

I. Contact Information:

Department of Geosciences
The University of Akron
Akron, OH 44325-4101

Phone: 330-972-7659
Fax: 330-972-7611
Email: jpeck@uakron.edu

II. Educational History:

Ph.D. - 1995 Graduate School of Oceanography - University of Rhode Island
(Geologic Oceanography)
M.S. - 1989 Graduate School of Oceanography - University of Rhode Island
(Geologic Oceanography)
B.S. - 1986 University of Rhode Island (Geology, Minor in Education
leading to Secondary Science Teaching Certificate)

III. Professional History:

2012 to present	Professor, University of Akron
2005 to 2012	Associate Professor, University of Akron
2000 to 2005	Assistant Professor, University of Akron
1997 to 2000	Assistant Marine Research Scientist, University of R.I.
1995 to 1997	Post-Doctoral Researcher, University of R.I.

IV. Research Activities:

A. Area of Specialization:

I specialize in the study of sediment deposits to infer past climate change and/or anthropogenic impacts.

B. Research and its significance

Paleolimnology and paleoclimatology: My research includes the application of environmental magnetic and sedimentologic methods to the study of sedimentary records of paleolimnologic and paleoclimatic change. Through the use of this interdisciplinary approach a more complete geologic record of past environmental change can be attained. My research yields well-dated, multiproxy climate records required for assessing linkages in the global climate system and output from computer climate models.

Anthropogenic Impacts: I apply hydrologic, geomorphic, magnetic and geochemical methods to the study of human impacts on sedimentary environments. I study anthropogenic impacts on sediment yield and contamination in both lacustrine and fluvial systems in Ohio. I have focused this research to include studying the physical impacts to fluvial systems as a result of dam removal.

C. Funded Research while at The University of Akron:

19. Year of Award: 2017
Funding Agency: US National Park Service through DCR Services and Construction
Title: Magnetic Intensity Mapping of the Cuyahoga River Adjacent to the Jaite Mill Site, Cuyahoga Valley National Park, Ohio
PI: John Peck
Funding Level: $4,000

18. Year of Award: 2007, 2008, 2009, 2010, 2014, 2015, 2016, 2017
Funding Agency: Mr. Gary Harris donor
Title: Involving students in paleoenvironmental research experience
PI: John Peck
Funding Level: $8,000 (at $1,000 per yr)

17. Year of Award: 2011
Funding Agency: NASA Glenn Research Center
Title: Inductive magnetic heating induced self healing polymer nanocomposites.
Key personnel: John Peck
Funding Level: $3,000

16. Year of Award: 2011
Funding Agency: Friends of the Crooked River
Title: Middle Cuyahoga River sediment yield study using radiometrically-dated dam-pool sediment cores.
PI: John Peck
Funding Level: $1,800

15. Year of Award: 2010
Funding Agency: Friends of the Crooked River
Title: GPR investigation to locate and delineate the Pinery Feeder Dam
PI: John Peck
Funding Level: $1,000

14. Year of Award: 2006-2010
Funding Agency: NSF-0602355
Title: High-resolution, Low-latitude Paleoclimatology from New Acquired Sediment Drill Cores from Lake Bosumtwi, Ghana
PI: John Peck
Funding Level: $207,319

13. Year of Award: 2006-2010
Funding Agency: R7103-Ohio Board of Regents
Title: OBR Individual Research Challenge; High-resolution, Low-latitude Paleoclimatology from New Acquired Sediment Drill Cores from Lake Bosumtwi, Ghana
PI: John Peck
Funding Level: $14,104

12. Year of Award: 2010
Funding Agency: Friends of the Crooked River
Title: Seismic Study of Gorge Dam Pool Sediments
PI: John Peck
Funding Level: $5,000

11. Year of Award: 2008-2009
Funding Agency: Stoller Fund (University of Akron)
Title: Undergraduate Active Learning using a Sediment Transport Demonstration Channel
PI: John Peck
Funding Level: $16,000

10. Year of Award: 2004-2005
Grant Number: NSF-ATM-0402010
Title: Collaborative Research: High-resolution, low-latitude paleoclimatology through scientific drilling of Lake Bosumtwi, Ghana
PI: John Peck
Funding Level: $392,412

9. Year of Award: 2003-2004
Grant Number: Summit County Environmental Services PO-003387
Title: Sediment sampling of the Cuyahoga River in the vicinity of the Munroe Falls dam
PI: John Peck
Funding Level: $3,600

8. Year of Award: 2003-2004
Grant Number: Ohio Internal House Bill Monies
Title: Digital mapping systems for geology field camp
PI: John Peck
Funding Level: $37,792

7. Year of Award: 2002-2003
Grant Number: 207507
Title: University of Akron Faculty Research: The environmental magnetic record of ecosystem and land use change from Summit Lake, Akron, OH
PI: John Peck
Funding Level: $4,000

6. Year of Award: 2001-2003
Grant Number: NSF-EAR-0110840
Title: Acquisition of Basic Environmental Magnetics Laboratory Equipment
PI: John Peck
Funding Level: $106,107

5. Year of Award: 2001-2003
Grant Number: NSF-ATM-0117414
Title: High-resolution paleoclimatology from newly acquired sediment cores from Lake Bosumtwi, Ghana
PI: John Peck
Funding Level: $32,022

4. Year of Award: 2001-2003
Grant Number: R5492-Ohio Board of Regents
Title: OBR Individual Research Challenge; Acquisition of Basic Environmental Magnetics Laboratory Equipment
PI: John Peck
Funding Level: $20,000

3. Year of Award: 2001-2003
Grant Number: R5537- Ohio Board of Regents
Title: OBR Individual Research Challenge; High-resolution paleoclimatology from newly acquired sediment cores from Lake Bosumtwi, Ghana
PI: John Peck
Funding Level: $8,000

2. Year of Award: 1998-2001
Grant Number: NSF-ATM9709438
Title: Collaborative Research: High Resolution, Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems in Mongolia
PI: John Peck
Co-PIs: John King (URI), Sarah Fowell (U.Ak), Doug Williams (Univ. S.C.)
Funding Level: $225,750 (Peck)
Special Note: All funds remaining in this grant were transferred to the Univ. of Akron (~$20,000).

1. Year of Award: 1998-2001
Grant Number: NSF- REU Supplement to ATM-9709438
Title: Collaborative Research: High Resolution, Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems in Mongolia - REU Supplement
PI: John Peck
Funding Level: $15,000 (Peck)
Special Note: All funds remaining in this grant were transferred to the Univ. of Akron (~$5,000).

D. Prior Funded Research while at the University of Rhode Island:

1. Year of Award: 1997-2001
Grant Number: NSF-EAR9614426
Title: Collaborative Research: Lake Baikal Drilling Project: High Resolution Studies of Paleoclimate Change in South-central Siberia During the Plio-Pleistocene
PI: Doug Williams (Univ. S.C.),
Co-PIs: John King (URI), John Peck (UA), Zhenya Karabanov(Univ. S.C.)
Funding Level: $279,829

2. Year of Award: 1998-2001
Grant Number: NSF- REU Supplement to NSF-EAR9614426
Title: Collaborative Research: Lake Baikal Drilling Project: High Resolution Studies of Paleoclimate Change in South-central Siberia During the Plio-Pleistocene - REU Supplement
PI and Co-PIs: John King (URI), John Peck (UA)
Funding Level: $30,000

3. Year of Award: 1999
Grant Number: National Geographic Society
Title: Interdisciplinary Paleoclimatic Studies of Late Quaternary Lacustrine Systems In Mongolia - Field work supplement to the NSF grant
PI: John Peck
Funding Level: $14,609

4. Year of Award: 1998-1999
Grant Number: Quonset Point Development Intermodal Inc.
Title: Geotechnical Survey of the Quonset Point Dredged Channel
PI and Co-PIs: John King, John Peck
Funding Level: $83,800

E. Awards:

The University of Akron Honors College
Outstanding Service to Honors Award, 2012

National Residence Hall Honorary, Certificate of Recognition "in appreciation for your hard work and dedication to the students at The University of Akron", 2011

The University of Akron
Department Chairs' Award for Outstanding Achievement-Research, 2003

F. Student Salary Supported by Peck's grants
(29 different UA students, over $86,000 in student salaries since 2005):

1. Graduate Students supported (salary) at the University of Akron
Kris Mann, summer 2011
Dustin Bates, summers 2010, 2011
Nardos Tilahun, summers 2008 & 2009, fall 2008, spring 2009
Nick Kasper, August 2009
Paul McDonald, summer 2007
Tyler McIIvaine, summer 2006
Joe Rumschlag, summer 2006
Erin Steele, August 2005
Phil Fox, summers 2004, 2005
Stephanie Haney, summer 2003
Ryan Green, summer 2002; spring 2003

Dawit Yifru, summers 2001, 2002

2. Undergraduate Students supported (salary) at the University of Akron
Nick Milkovich, fall 2017, spring 2018
Sam Lockshin, spring 2014
Melanie Smith, fall 2010, spring 2011
Jennifer Court, summer 2010
Chrissy DeVono, fall 2009, spring 2010, summer 2010
Kris Mann, summers 2008, 2009, spring 2008, fall 2008, spring 2009
Tom Darmin, fall 2007, spring 2008, fall 2008
Adam Tedrick, fall 2007
Julie Gouin, summers 2006 & 2007, fall 2006, spring 2007, fall 2007
Elizabeth Mack, all semesters fall 2005 to spring 2009, summers 2007, 2008
Colleen O'Shea, spring 2007
Debra Harris, summers 2005 and 2006, fall 2005, spring 2006
Andrea Mullen, all semesters from fall 2001 through spring 2004
Steven Sabo, December 2003
Heather Adams, fall 2001, spring 2002
Zach Jencks, spring 2001
Megan Curry, summer 2001

3. Undergraduate Students supported (salary) at the University of Rhode Island
Lee McConnel, 1999-2000
Shana Hamel, summer 1999
Rachael Potts, 1999-2000
Nick Begyn, 1997-2000
Jim Sykora, 1998-1999
Caelin White, 1998-1999
Jess White, summer 1998

G. Scientific Cruises and Field Work:

2017 – Magnetic mapping, coring and geomorphic profiling, lakes & rivers, OH
2016 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2015 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2014 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2013 - Sediment sampling and geomorphic profiling, Cuyahoga River, OH
2012 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2011 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2010 - Sediment coring and geomorphic profiling, lakes & rivers, OH
2009 - Sediment sampling Ohio-Edison and LeFever Dam Pools, OH
2008 - Sediment sampling and geomorphic profiling, Cuyahoga River, OH
2007 - Sediment sampling and geomorphic profiling, Cuyahoga River, OH
2006 - Sediment sampling and geomorphic profiling, Cuyahoga River, OH
2005 - Sediment sampling and geomorphic profiling, Cuyahoga River, OH
2004 - Scientific Drilling, Lake Bosumtwi, Ghana
2004 - Sediment sampling, Cuyahoga River, OH
2003 - Sediment coring, Summit Lake, OH

2002 - Sediment coring, Silver Lake OH; beach profiling Lake Erie
2001 - Sediment coring, Silver Lake OH
2000 - Research sediment coring trip to Lake Bosumtwi, Ghana, May 24 to June 16.
2000 - Sediment sampling, May 11-16, 2000 Portsmouth Naval Shipyard, ME
1999 - Research coring trip to Mongolia, June 15-August 5, 1999
1999 - Sediment sampling, September 7 - 12, 1999 Portsmouth Naval Shipyard, ME
1998 - Research trip to Irkutsk, Russia June 1-15, 1998
1998 - Research coring trip to Mongolia, July 16-August 15, 1998
1996 - One month field workshop in Mongolia to establish links between NSF and the Mongolian Academy of Sciences
1996 - Baikal Drilling Project, Research trip to Irkutsk, Russia
1993 - Baikal Drilling Project, Two research trips to Irkutsk, Russia.
1992 - R/V Vereshchagin (Lake Baikal, Russia)
1990 - R/V Cape Hatteras (Gulf of Maine)

H. Presentations at Special Meetings:
(see bibliography for published abstracts at annual meetings)

19. *Ohio PRRSUM Showcase*: Connecting stream practitioners throughout the Midwest, August 29, 2016. I was one of 6 invited speakers and discussed my research into the role of sediment on Cuyahoga River watershed dynamics.
18. *21st National Nonpoint Source Monitoring Conference & Workshops* October 29, 2013. I contributed to this conference's Middle Cuyahoga River Restoration field trip by leading the demonstration on stream flow and sediment measurement techniques.
17. *Environmental Resources Technical Advisory Committee* Stow, OH. March 6, 2013. I was the invited speaker on the topic on "The role of sediment in our waterways" to a group of approximately 30 area agency scientists and engineers.
16. *Hiram College's Science Reads Program*. Feb. 14, 2013. Presentation on Dam Science on the Cuyahoga River, Ohio and follow on discussions with students.
15. *Watershed Seminar, April 26, 2012. The Northeast Section of the Ohio Water Environment Association*. I was one of four invited presenters and I spoke on the topic of the Role of Sediment in our Waterways to approximately 75 professionals who could earn 3 hours of continuing education credit.
14. *Coalition for National Science Funding 15th Annual Exhibition and Reception on Capitol Hill, Washington, DC, March 24, 2009*. I was one of three invited geoscientists (others from Columbia University and Texas A&M) to discuss the importance of science to members of congress. My efforts included 2 hours of preparation with Dr. Prozena; time spent researching the 5 Ohio representatives I was meeting in order to tailor my discussions; creating a flyer for the Ohio delegation that highlighted UA Geology; meeting the environmental staffer for both Ohio senators and 3 congressmen; and presenting a scientific poster in the Rayburn House Office building. A report of my presentation was widely circulated in a variety of geoscience newsletters.
13. *Special International Conference on the Response of North African Ecosystems 2007*. MARUM, University of Bremen, Germany, Nov. 13-16, 2007. I was an invited speaker at this international conference where I discussed African climate change.
12. *Continental Scientific Drilling 2005: A Decade of Progress and Opportunities for the Future*, GeoForschungsZentrum, Potsdam, Germany, March 30-April 1, 2005, I was

an invited speaker at this conference and made major contributions to the conference white paper.

11. *8th Annual Workshop on Continental Scientific Drilling*, Rutgers University, NJ, May 23-25, 2004, I was an invited speaker at this conference and discussed the Lake Bosumtwi drilling project.
10. *Human-Environment Interactions in Central Asia: A workshop on the archaeological and environmental history of Mongolia,* University of Pittsburgh, February 21, 2004. I was an invited speaker at this workshop.
9. *1st International Workshop on Magnetism, Hysteresis and the FORC Method* , University of California – Davis, April 25-27, 2003, I was an invited speaker at this conference and discussed the Lake Bosumtwi sediment hysteresis measurements as a proxy for West African paleoclimate variation.
8. *9th National Conference of the Council on Undergraduate Research*, New London, CT, June 19-22, 2002. I made a poster presentation of the Department's undergraduate research efforts.
7. *International Continental Drilling Program Lake Bosumtwi Workshop*, GeoForschungsZentrum, Potsdam, Germany, Sept. 22-24, 2001. Invited speaker at this ICDP sponsored meeting.
6. *Conference on Mongolian paleoclimatology and Environmental Research*, LDEO, Columbia University. Invited speaker at this NSF workshop Nov 3-4, 2000.
5. *PAGES Leaders Meeting*, Hilterfingen, Switzerland Nov. 7-10, 1997. I presented a talk at this meeting to assess the current status of PAGES initiatives, especially the PEP transects.
4. *Very-high resolution recording of paleomagnetic field and paleoclimate variations* - Santa Fe, N.M. June 27-30, 1996. I presented a talk on sedimentary magnetism at this NSF and Keck Foundation sponsored workshop.
3. *Science Planning Workshop - Opportunities for Collaborative Research in Northern Mongolia* - Charleston, S.C. Oct. 25-28, 1995. I was an invited participant at this NSF sponsored workshop. I presented a talk and helped discuss and write the NSF research initiative which provides a focus for U.S. geoscience research projects in Mongolia.
2. *9th Annual Northeast Paleomagnetism Workshop* - Narragansett, R.I. Oct. 21, 1995. I presented a talk on the Lake Baikal magnetic record and participated in discussions on paleomagnetism.
1. *Sedimentary Biogeomagnetism* - Minneapolis, Minn Sept. 1-3, 1995. I participated in discussions about the key areas of research in sedimentary biogeomagnetism at this NSF sponsored workshop.

I. Meetings Convened

3. T95 Theme Session: *Dating and environmental interpretations of lake, loess, and marine sediment sequences using paleomagnetism and rock magnetism*, Annual Geological Society of America meeting 2006.
2. Exhibits & Sponsorships Organizer for the 40th Meeting of the North-Central Section of the Geological Society of America, April 19-22, 2006.
1. PP15 Special Session: *Tropical and Subtropical Climate Change*, Fall American Geophysical Union, 2005.

J. Lectures, Other than at Professional Meetings while at the Univ. of Akron:

43) Summit Co. Metro Parks, (June 25, 2017), field demonstration & seminar
42) Portage County Historical Society, (October 24, 2015), seminar
41) Cuyahoga River AOC Advisory Committee, (July 23, 2015)
40) Northern Ohio Geologic Society, (February 4, 2015)
39) AMATS regional transportation planning agency, (July 17, 2014), seminar
38) East Central Ohio MENSA Club meeting, (Nov. 21, 2013), seminar
37) Hudson OH Library, (April 23, 2013), seminar for Earth day
36) University of Akron Woman's Club, (March 22, 2012), seminar
35) University of Akron, (February 2, 2012), Biology departmental seminar
34) University of Pittsburgh (November 17, 2011), departmental seminar
33) University of Akron, STEMM lecture series (October, 4, 2011)
32) College of Wooster (December 2, 2010), Geology departmental seminar
31) Cuyahoga Falls City Engineer, LeFever Dam meeting (September 13, 2010).
30) Ohio-EPA, Twinsburg, Ohio-Edison dam removal meeting (April 8, 2010)
29) Northeast Ohio Watershed Council quarterly meeting (July 28, 2010)
28) Franklin Club meeting (January 12, 2009), Akron professional society
27) Face the Nation Climate Change and National Security Forum (Nov. 18, 2009)
26) Munroe Falls Historical Society (Feb. 14, 2008)
25) MetroParksServing Summit Co. (Nov. 30, 2007), Climate Change lecture series
24) Kent State University (October 5, 2007), Geology departmental seminar
23) Cleveland State University (October 26, 2007), Biology departmental seminar
22) University of Waterloo, Canada, (November 18, 2005), departmental seminar
21) Northern Ohio Geologic Society, (November 2, 2005)
20) University of Akron, (December 3, 2004), departmental seminar
19) University of Pittsburgh (Oct. 23, 2003), departmental seminar
18) Franklin Club meeting (March 10, 2003), Akron professional society
17) Cleveland State University (February 14, 2003), Biology departmental seminar
16) Kent State University (October 3, 2002), Geology departmental seminar
15) Northern Ohio Geologic Society, (March 7, 2001)
14) University of Akron, (December 7, 2000), Biology departmental seminar
13) College of Wooster, (November 30, 2000), Geology departmental seminar
12) University of Akron, (November 29, 2000), Geology Club meeting
11) University of Akron, (September 13, 2000), Biology departmental seminar
10) SUNY-Stony Brook (Feb. 9, 1999) departmental seminar
9) Miami University of Ohio (Feb. 4, 1999) departmental seminar
8) University of Ill. at Chicago (Jan. 11, 1999) departmental seminar
7) East-Siberian Research Institute of Geology and Geophysics, Irkutsk, Russia (June 11, 1998) departmental seminar
6) Syracuse University (March 2, 1998) departmental seminar
5) University of ME-Orono (Feb. 9,1998) departmental seminar
4) University of CT-Storrs (Oct. 30, 1997) departmental seminar
3) University of MA-Amherst (Sept. 26, 1997) departmental seminar
2) University of RI (August 1997), SURFO seminar
1) University of SC (April 28, 1997) departmental seminar

V. Teaching Activities:

A. Courses Taught at the University of Akron

1. Introductory Physical Geology (101)
2. Exercises in Physical Geology (104)
3. Geology for Engineers (105)
4. Paleoclimate Seminar in Geology (680)
5. Rivers Seminar in Geology (498)
6. Coastal Geology (421, 521)
7. Environmental Magnetism (444, 544)
8. Field Camp I and II (453, 454, 553, 554)
9. Terrestrial Records of Environmental Change Seminar (684)
10. Sedimentation and Stratigraphy (324)
11. Guest lecturer at the Honors College Natural Science Seminar Series on:
    10-1-02; 2-21-03; 3-11-03; 10-3-03; 3-2-04; 3-19-04; 5-12-04, 3-22-05, 3-25-05, 5-18-05, 10-28-05, 3-3-06, 5-24-06, 11-3-06, 3-2-07, 3-6-07, 10-18-07, 9-29-08, 4-8-08, 3-12-09, 3-31-09, 10-26-09, 11-11-10, 3-1-11, 10-20-11, 2-14-12, 3-22-12; 9-2-12; 2-5-13; 2-4-14; 2-24-15; 2-23-16; 2-6-17

B. Inquiry-based Educational Activities at the University of Akron:

1. I conduct the day-to-day supervision of paid undergraduate researchers who gain research experience by working in the environmental magnetics laboratory. Since 2000, I have funded 17 undergraduate students (see section IV F). In addition, I have taken three of these undergraduates to perform research at the NSF-funded sediment core laboratory at the Univ. of R.I. Furthermore, paid undergraduate researchers have assisted in gathering field data for several projects on Ohio rivers.

2. Every semester I spend at least 3 Saturdays taking my students on all-day Saturday field trips so that they may experience first-hand the material covered in lecture. In my 101 Physical Geology class, I designed a field activity that involves the students working in teams to measure and calculate Cuyahoga River discharge downstream of the Akron wastewater plant. Students perform calculations and make graphs in the field. They analyze and interpret the relation between channel form (drag) and flow and also calculate what percentage of the stream discharge came from the Akron wastewater treatment plant. According to the students "this is an awesome activity". My upper level courses involve all-day field trips to gather data to be used in technical research reports. These trips include canoeing the Cuyahoga River, visits to the Lake Erie shore and rock outcrops in OH and WV.

3. I spend additional days each semester in the field with undergraduate students completing research projects for credit and graduate students conducting thesis research. These trips include coring kettle lakes and measuring streams.

4. I wrote a successful proposal in 2009 to acquire a demonstration sediment transportation flume and then created a suite of laboratory exercises that utilize the flume. This flume has seen heavy use every semester since then. General

education Physical Geology students use the flume to quantitatively study deposition, erosion, DuBoys equation and bedforms. Upper-level sedimentology and Rivers Seminar students use the flume to quantitatively study fluid mechanics, critical threshold and sediment-flow relationships (e.g., Shields diagram). Secondary school teachers-in-training in the Woodrow Wilson program use this flume to study erosion and deposition and learn about hands-on classroom activities.

5. Because active learning is key to understanding the material, I incorporated a "desktop delta" in my upper level sedimentology and coastal classes so students can physically build systems tracks as they vary sea level and sediment supply. Using a sand mixture of white quartz and crushed anthracite, the students are able to produce visually impressive basin fills, which they then interpret in sequence stratigraphy terms. Conversely, they can test their hypotheses by physically creating basin fills.

6. I have been very active implementing latest technologies and quantitative analysis across the curriculum so that our students are better trained in STEM. These efforts include writing a proposal to acquire GPS units for computer mapping (2004). I continue to use GPS units each year at Field Camp and also in Coastal Geology where students make digital depositional subenvironment maps for a barrier spit system along the Lake Erie shore.

7. I led a Departmental-wide geology field trip on October 25, 2003. I organized a 5-van field trip with activities including describing sedimentary rocks, measuring stream discharge, measuring wave-climate and longshore transport and making geologic observations and interpretations for 75 students from many different introductory classes.

C. Effective Student Advising at the University of Akron:

1. I serve as the Department of Geosciences undergraduate Honors student advisor. In this role, I help the Honors students plan their program of study, identify faculty and research of interest for their Honors theses, and annually review their progress. In 2005 the department had 3 honors students whereas in 2018 there are 13 honors geology majors.

2. M.S. Graduate Students advised:

19. Julian Grochocki, 2017. Late Holocene environmental variability as recorded in the sediments of a Northeastern Ohio kettle lake, 144 pp.
18. Andrea Rocchio, 2017. A comparison of rural and urban fluvial systems as a function of land cover changes in Summit County, Ohio, 259 pp.
17. Corinne Lally, 2016. Late Pleistocene to Holocene climate variability recorded in lake sediment of Silver Lake, Summit County, Ohio, 216 pp.
16. Adam Delaney, 2016. Effects of climate and development on the hydrology and geomorphology of the Yellow Creek watershed, Summit and Medina Counties, OH, 235 pp.

15. Chris Biro, 2015. An assessment of the short-term response of the Cuyahoga River to removal of the Le Fever Dam, Cuyahoga Falls, Ohio, 344 pp.
14. Stephanie Mitchell, 2015. Sediment dispersal processes and anthropogenic impacts at Rex Lake, Summit County, Ohio, 261 pp.
13. Stephen Liberatore, 2013. Changes in geomorphic equilibrium on Furnace Run, Summit County, Ohio, 236 pp.
12. Kelly Shaw, 2013. Assessing Two Centuries of Anthropogenic Impacts on Silver Lake, Summit County, Ohio, 164 pp.
11. Kristofer Mann, 2012. Ninety-nine-year sediment yield record of the Middle Cuyahoga River watershed contained within the Ohio Edison dam pool, 275 pp.
10. Dustin Bates, 2011. Characterizing river and lake sediment using geophysical methods in urban impacted areas within Summit County, Ohio. 230 pp. *Winner best presenter UA-CUGR 2011*
9. Hatice Poyrazli, 2010. Reconstruction of lake-level variation and shoreline position of Lake Bosumtwi, Ghana for the last 0.5 Ma, 146 pp.
8. Nick Kasper, 2010. An assessment of the LeFever dam pool, Middle Cuyahoga River, Summit County, Ohio, 406 pp.
7. Nardos Abebe, 2010. Paleohydrology of West Africa using carbonate, detrital and diagenetic minerals of Lake Bosumtwi, Ghana, 187 pp.
6. Paul McDonald, 2008. Late Holocene paleoclimatic records from small lakes in Mongolia, 107 pp.
5. Joe Rumschlag, 2007. Fluvial geomorphic and sedimentologic responses to dam removal: A case study from the middle Cuyahoga, Ohio, 296pp.
4. Philip Fox, 2006, A 1 Ma African climate change record from Lake Bosumtwi, Ghana. M.S. Thesis, Univ. of Akron, OH. 130 pp. *Winner best presenter UA-CUGR 2004*
3. Stephanie Haney, 2004, The sediment record of anthropogenic impact on the Summit Lake ecosystem, Akron, Ohio, 170 pp. *Winner best presenter UA-CUGR 2004; 2nd place student presenter OLMS*
2. Ryan Green, 2003, A magnetic mineral record of Late Quaternary tropical climate variability from the sediments of Lake Bosumtwi, Ghana, 107 pp.
1. Dawit Yifru, 2002, Post-glacial environmental change as recorded by Silver Lake sediments, Logan County, Ohio, 99 pp.

3. Reader of 25 Graduate Student theses:
Biniam Zerai (2001); Kenton Trubee (2002); Cory Dalton (2002); Matthew Geschke (2002); Natasha Demrovsky (2003); Evan Mankoff (2004); Beth Hochstetler (2005); Vaughn Kushner (2006); Dan Zinz (2007); Sara Sipahioglu (2008); Belinda Franko (2008); Mark Dalmon (2009), James Addo (2009); Mike Harp (2010); Doug Bertel (2011); Debbie DeWitt (2012); Jeff Hirko (2012); Bridget Ring (2013); Kevin Zoller (2014); Aaron Packnowsky (2014); Laura Scaggs (2014); Charles Spurr (2015); Justin Gilbow (2016); Natalie Murray (2016); Lindsay Starr (2017)

4. Supervised 17 undergraduate students taking independent research class (499) in which all students had to complete written research reports
   - Jon Marke, fall 2018. Monitoring geomorphic effects of dam removals on the middle Cuyahoga River, Ohio.
   - Sierra Swisher, fall 2018. The pollen record of the Younger Dryas climatic event from the sediments of Silver Lake, Ohio.
   - Brandon Kopfer, fall 2018. Anthropogenic impacts as recorded in the sediments of Neismith Lake, Summit County, Ohio.
   - Gabby Gromofsky, May 2017. Assessing sediment magnetism as a proxy for heavy metal pollution in Northern Ohio fluvial systems. ***2017 NOGS Outstanding Graduating Geology Student in Northern Ohio***
   - Travis McAllister, Dec. 2016. Characterizing water and sediment differences between urban and suburban tributaries to the Cuyahoga River in Summit Co., Ohio.
   - Sam Lockshin, May 2014. A magnetic mineral report of shallow water cores from Lake Bosumtwi, Ghana.
   - Lindsey Branham, May 2014. Magnetic mineral investigation of roadside pollution in Akron, OH.
   - Kara Katusin, May 2014. Magnetic mineral investigation of roadside pollution in Akron, OH.
   - Max Gilliland, May 2011. Spatial variations in sediment characteristics in Baldwin Creek, Berea, OH. *Winner Best Presenter UA-CUGR 2012*
   - Morgan LaVallee, May 2011. Hydrologic implications of potential dam removals from Baldwin Creek, Cuyahoga Co. Ohio
   - Patrick Newman fall 2010. Variations in soil magnetism as related to anthropogenic pollution, urban location, and time.
   - Kris Mann spring 2009. An urban impact on the Little Cuyahoga River. Included giving a seminar to the department.
   - Colleen O'Shea fall 2006. Characterizing minerals, sediments, and volcanic products using magnetic hysteresis loops and first order reversal curves.
   - Andrew Clark, fall 2005. Environmental magnetic properties of fly-ash from coal-fired power plants. *Winner* Best Presenter UA-CUGR 2005.
   - Ann Donkin, fall 2002, Magnetic Testing on Paleo-soils from Ziyaret Tepe, Turkey
   - Bill Bates, spring 2002, Sediment quality of Summit Lake, Ohio
   - Paula Cooper, fall 2001, Rex and North Turkeyfoot Lakes: An analyses of modern sedimentation.

5. Supervised 6 Honors College Senior Thesis Research Projects, 3 who then won *Outstanding Graduating Geology Student in Northern Ohio* from a professional science organization (NOGS):

6. Connor Estes, fall 2016, (Honors project) Long-term monitoring of the sedimentologic effects of the Munroe Falls Dam Removal in the middle Cuyahoga River, Ohio.
5. Steven Rutter, August 2011, (Honors project) Effects of the Munroe Falls Dam Removal on Benthic Invertebrates in the middle Cuyahoga River, Ohio.

4. Elizabeth Mack, spring 2009, (Honors project) Using first order reversal curves (FORCS) to better characterize the rock-magnetic paleoenvironmental record from Lake Bosumtwi, West Africa.
   2009 NOGS Outstanding Graduating Geology Student in Northern Ohio
   Winner best presenter UA-CUGR 2008 & 2009
3. Julie Gouin, spring 2008, (Honors project) Tidalites: A Study of an Ancient Ohio Tidal Environment pp. 58
   2008 NOGS Outstanding Graduating Geology Student in Northern Ohio
   Winner best presenter UA-CUGR 2008
2. Andrea Mullen, spring 2005, (Honors project) Assessing Impacts on Sedimentation due to Dam Modification on the Cuyahoga River, OH p.80
   2005 NOGS Outstanding Graduating Geology Student in Northern Ohio
   Winner best presenter UA-CUGR 2004
1. Pete Mazzeo, fall 2002, (Honors project) Coastal Processes and Environments Along Lake Erie at Bill Stanton Community Park, Lake County, OH pp. 46

D. Summary of all Course Evaluations on scale 1 (worst) to 5 (best)

Course	Semester	New Course	Overall Excellence of Instructor / 5	Course / 5
Year 1 (2000/2001)				
Sed.-Strat. 324	Fall 00	Yes	4.2	3.5
Paleoclimate seminar 680	Fall 00	Yes	5.0	4.5
Coastal Geology 421/521	Spring 01	Yes	4.8	4.6
Field Camp 453/553	Summer I	Yes	not administered	
Year 2 (2001/2002)				
Sed.-Strat. 324	Fall 01	No	4.3	4.1
Physical Geology 101	Fall 01	Yes	3.7	3.4
Physical Geology 101	Spring 02	No	3.3	2.7
Environ. Magnetism 444/544	Spring 02	Yes	4.8	4.6
TREC seminar 684	Spring 02	Yes	4.4	4.5
Field Camp 453/553	Summer I	No	4.6	4.4
Year 3 (2002/2003)				
Sed.-Strat. 324	Fall 02	No	4.2	3.5
Physical Geology 101	Fall 02	No	4.2	3.8
Physical Geology 101	Spring 03	No	4.2	3.8
Coastal Geology 421/521	Spring 03	No	4.9	4.6
Field Camp 453/553	Summer I	No	4.5	4.3
Year 4 (2003/2004)				
Sed.-Strat. 324	Fall 03	No	4.0	3.8
Physical Geology 101	Fall 03	No	4.4	4.0
Physical Geology 101	Spring 04	No	4.7	4.2
Environ. Magnetism 444/544	Spring 04	No	4.6	4.4
Year 5 (2004/2005)				
Physical Geology 101	Spring 05	No	4.4	3.8
Sed.-Strat. 324	Spring 05	No	4.4	4.2
Field Camp 453/553	Summer I	No	4.1	3.5
Year 6 (2005/2006)				
Physical Geology 101	Fall 05	No	4.6	3.9
Coastal Geology 421/521	Fall 05	No	4.5	4.0
Physical Geology 101	Spring 06	No	4.2	3.5
Environ. Magnetism 444/544	Spring 06	No	4.6	4.3
Year 7 (2006/2007)				
Physical Geology 101	Fall 06	No	4.9	4.6
Sed.-Strat. 324	Fall 06	No	4.5	4.4
TREC seminar 684	Fall 06	No	4.9	4.5
Coastal Geology 421/521	Spring 07	No	4.6	4.2

Course	Semester	New Course	Overall Excellence of Instructor / 5	Course / 5
Year 8 (2007/2008)				
Physical Geology 101	Spring 08	No	4.7	4.1
Sed.-Strat. 324	Spring 08	No	4.2	4.0
Year 9 (2008/2009)				
Physical Geology 101	Fall 08	No	4.5	3.8
TREC seminar 684 (Climate)	Fall 08	No	4.6	4.1
Coastal Geology 421/521	Fall 08	No	4.3	4.0
Physical Geology 101	Spring 09	No	4.6	4.2
Sed.-Strat. 324	Spring 09	No	3.7	3.4
	(switch from IDEA to Departmental survey)			
Year 10 (2009/2010)				
Colloquium 696	Fall 09	Yes	4.750	4.375
Environ. Magnetism 444/544	Fall 09	No	3.800	3.600
Physical Geology 101	Fall 09	No	3.958	3.708
Physical Geology 101	Spring 10	No	4.174	3.826
Sed.-Strat. 324	Spring 10	No	4.714	4.714
Colloquium 696	Spring 10	No	4.833	4.833
Field Camp 453/553	Summer I	No	4.188	3.938
Year 11 (2010/2011)				
Physical Geology 101	Fall 10	No	4.594	4.406
TREC seminar 684 (Rivers)	Fall 10	Yes	4.833	4.833
Coastal Geology 421/521	Fall 10	No	4.429	4.429
Physical Geology 101	Spring 11	No	4.682	4.273
Sed.-Strat. 324	Spring 11	No	4.750	4.688
Field Camp 453/553	Summer I	No	4.633	4.500
Year 12 (2011/2012)				
Physical Geology 101	Fall 11	No	4.250	3.958
TREC seminar 684 (Rivers)	Fall 11	No	4.375	4.875
Environ. Magnetism 444/544	Fall 11	No	5.000	4.800
Physical Geology 101	Spring 12	No	4.762	4.524
Sed.-Strat. 324	Spring 12	No	5.000	5.000
Field Camp 453/553	Summer I	No	4.917	4.818
Year 13 (2012/2013)				
Physical Geology 101	Fall 12	No	4.714	4.429
Rivers seminar 680	Fall 12	No	4.917	4.750
Coastal Geology 421/521	Fall 12	No	4.688	4.625
Physical Geology 101	Spring 13	No	4.788	4.394
Sed.-Strat. 324	Spring 13	No	4.933	4.923
Field Camp 453/553	Summer 13	No	4.708	4.625

Course	Semester	New Course	Overall Excellence of Instructor / 5	Course / 5
Year 14 (2013/2014)				
Physical Geology 101	Fall 13	No	4.700	4.400
Rivers seminar 498	Fall 13	No	5.000	4.667
Environ. Magnetism 444/544	Fall 13	No	5.000	4.750
Physical Geology 101	Spring 14	No	4.516	4.276
Sed.-Strat. 324	Spring 14	No	4.875	4.867
Field Camp 453/553	Summer 14	No	4.530	4.600
Year 15 (2014/2015)				
Geology for Engineers 105	Fall 14	Yes	4.571	4.463
Coastal Geology 421/521	Fall 14	No	4.857	4.214
Geology for Engineers 105	Spring 15	No	4.600	4.526
Sed.-Strat. 324	Spring 15	No	4.292	4.583
Field Camp 453/553	Summer 15	No	4.250	4.600
Year 16 (2015/2016)				
Rivers seminar 498	Fall 15	No	4.750	4.818
Environ. Magnetism 444/544	Fall 15	No	5.000	5.000
Sed.-Strat. 324	Spring 16	No	4.852	4.889
Physical Geology 101	Spring 16	No	4.387	4.194
Field Camp 453/553	Summer 16	No	4.917	4.917
Year 17 (2016/2017)				
Rivers seminar 498	Fall 16	No	5.000	5.000
Coastal Geology 421/521	Fall 16	No	5.000	5.000
Sed.-Strat. 324	Spring 17	No	4.647	4.765
Physical Geology 101	Spring 17	No	4.893	4.296
Field Camp 453/553	Summer 17	No	4.765	4.941
Year 18 (2018/2019)				
Rivers seminar 498	Fall 17	No	5.000	5.000
Environ. Magnetism 444/544	Fall 17	No	4.923	4.925
Sed.-Strat. 324	Spring 18	No	4.679	4.815
Physical Geology 101	Spring 18	No	4.280	4.080
Field Camp 453	Summer 18	No	4.947	4.889
Field Camp 454	Summer 18	Yes	4.933	4.800

F. Teaching at the University of R.I.

1. Taught Geomorphology (GEL 210)
2. Marine Geology (OCG 542) Taught the coastal sedimentary processes lab and led associated field trip for 3 years.
3. I conducted the day-to-day supervision of Research Experience for Undergraduates Lee McConnel, 1999-2000; Shana Hamel, summer 1999; Rachael Potts, 1999-2000 Jim Sykora, 1998-1999; Nick Begyn, 1997-2000; Caelin White, 1998-1999 Jess White, summer 1998; Todd Carrico, 1997-1998; Pat Dowling, 1997-1998

Bojana Popic, Mentor to a SURFO, 1994

4. Using National Geographic Society travel funds, I took an undergraduate geologic oceanography student (Nick Begyn) to Mongolia to participate in meaningful field research from June 15 to August 5, 1999

VI. Institution and Public Service:

A. Services to the Department and/or College, University of Akron:

I am an active contributing faculty member working to advance the mission of the department and the college. Some of my service activities are listed below.

- Honors advisor to geology students. I regularly meet students to review their program of study and check their progress. I created our department's honors thesis guideline website text which served as template for other departments in the college.
- Geology graduate student coordinator for the department where I make TA assignments, advertise TA openings, recruit MS applicants, assess applications and organize the process of bringing new TAs into the program.
- Chair of the Geosciences Department chair search committee 2013.
- Chair of departmental undergraduate program review committee 2008. I led the organization, writing and submission of the Department's undergraduate program review and detailed responses to questions concerning our program review. Made substantial contributions to the 2017-18 department academic program review.
- Physical Geology Laboratory coordinator (2002-2014) worked at major lab manual revisions, new lab activities (sediment transport flume) and enhancing TA delivery of the lab material. I supervised seven laboratory sections, several TAs and a variety of individual student issues each semester.
- Major contributor to the department's recruitment and promotion efforts including: yearly – meet potential students and their families interested in UA; 2008 - created a 1-page promotional flyer for the UA student recruiter's office; 2008 -conceived and created an undergraduate research fellowship program - need statement - budget for the UA Development Office which they shopped around to potential donors; 2008 – organized three days of student "open houses" where students could drop in the lounge, have pizza, meet faculty and learn about our degrees; 2008 – with Dr. Sasowsky co-created a powerpoint recruiting slideshow; 2006 - organized our undergraduate research efforts into a presentation during the Provost's " walk-about"; 2003- lead a 5 van, Department-wide field trip for undecided majors.
- Guest lecturer for Analytical Methods class in 2009, 2007, 2005, 2003, 2001.
- Member Departmental merit review committee (2001, 2005, 2007, 2011, 2014)
- Department of Geology faculty meeting secretary (2000-2001)
- Chair Department RTP committees in 2005, 2011, 2013, 2016
- Contributor to peer-review assessment of NTT teaching.
- Led effort to produce description of our graduate program goals and objectives to comply with the Ohio Board of Regents requirements 2005.

- Presenter to Geoscience club over the years, most recently in 2017 and twice in 2018. Drive students to NOGS meetings in Ohio (2016, 2015) so they may engage with professional geoscientists.
- College of Arts & Sciences Tellers Committee member, counting and verifying election results in 2007, 2008, 2009, and 2010.
- Dean search committee member (2017) led to hiring of Dean Green.

B. Services to the University of Akron:

- UA representative to the state Geology TAG board. Contributed to revising Ohio statewide geology TAG learning outcomes. Reviewed statewide proposals for approval and led UA effort to prepare our own submissions.
- Honors College Council representative for the college (2007 to 2014). Includes monthly Council meetings, interviewing honors college applicants on special Scholarship Saturdays (once each semester), attending occasional evening receptions or dedications at the Honors College, and attending their special honors graduation ceremony.
- Member University-wide STEM lecture committee that brought STEMM speakers to Campus in Fall 2012. In addition, I was one of the speakers and presented a talk on Lake Erie coastal erosion (October 4, 2011).
- Judge for Creating Community Competition, 2011. Provost Sherman created and the Honors College implemented, a juried competition to solicit ideas to create community on campus. I read student proposals, listened to presentations, and helped to award $25,000 in scholarship money.
- Invited speaker to the Honors College seminar (over 33 times) "You have become a very valuable asset to the Honors Program" 4-14-04 letter from Dr. Link.
- Represented the University of Akron to Congress in Washington DC on March 24, 2009, poster session attended by Speaker Pelosi.
- Judge of student presentations at the 2007, 2008, 2009, 2012, 2014 Conference on Undergraduate and Graduate Student Research, University of Akron.
- Taught several PhD students from the College of Polymer Science how to measure the magnetic properties of their polymers in my lab in 2007, 2008, 2009, 2010, 2016.
- Faculty representative at graduation ceremonies 2002, 2003, 2009, 2015
- Presented a climate change talk at the Face the Nation Climate Change and National Security Forum (Nov. 18, 2009) in the UA Student Union.
- Presented a talk covering my research to the University of Akron Women's Club (March 22, 2012)

C. Professional Services to the community:

I regularly speak to local community groups in an effort to recruit students, develop research contacts and advance a positive image of the University.

Published print, TV and radio interviews:
- *Akron Life* magazine August 2017 interviewed for a story on my research on the Cuyahoga River.

- PBS Radio IDEASTREAM 3-20-2014 interviewed for a story on Cuyahoga River dredging.
- Akron Beacon Journal 1-4-2014 interviewed for article on river science
- Cleveland Plain Dealer 1-17-2014 interviewed for article on river science
- WKYC-TV channel 3, Nov. 26, 2012 televised interview for climate change story
- *Down to Earth* magazine March 2011interview for article concerning my climate change research.
- Deccan Herald, India April 2011 interview for article concerning my climate change research.
- Cleveland Plain Dealer April 16, 2009 interview for article concerning my climate change research.
- Keck Film Co. German TV nature program 2005 interview and appearance in production concerning Lake Bosumtwi scientific drilling.
- BBC World Service Discovery Radio 2004 interview while onsite drilling Lake Bosumtwi, Ghana.

Professional Service to Public Organizations:

- Cuyahoga Valley National Park, 2018. I wrote the Outstandingly Remarkable Values Geologic Section for their Wild and Scenic Rivers application.
- Cuyahoga Valley National Park, 2018. Participant in the National Park Service Geologic Resources Inventory Report meeting and follow-on report editing.
- Summit County Metro Parks 2-25-2016 invited participant in focus group meeting to provide input on their 5 year plan.
- Reviewed U.S. Army Corps of Engineers (2013) dredging study upon the request of an Ohio public organization.
- Cuyahoga Valley National Park, 2009. Participant in the National Park Service Geologic Resources Inventory Report meeting and follow-on report editing.

Public presentations:

- Tallmadge Public School 9th grade spring 2015. Presented inquiry-based activity on mastodons in Ohio.
- Hudson Library 4-23-13. Earth Day speaker on "The Dams of the Cuyahoga River"
- Firestone High School 5-7-2014. Presented my research to two environmental science classes.
- Interviewed by Hudson High School student for her climate change term paper February 2011.
- Northeast Ohio Watershed Council quarterly meeting, July 28, 2010. I was the featured speaker presenting my research on the Cuyahoga River watershed. This effort led to research opportunities for 2 of our undergraduates in Spring 2011.
- Ohio-EPA April 8, 2010. Presentation regarding the Ohio-Edison dam removal.
- Cuyahoga Falls City Engineer September 13, 2010. Presentation regarding the LeFever dam pool sediment fill.
- Munroe Falls River Day celebrations May 16, 2009, May 17, 2008 and May 19, 2012. Staffed a booth where I presented my Cuyahoga River research and conducted an inquiry-based activity for the public using the sediment transport flume to investigate the effects of dam removal.
- Tallmadge Elementary School 5-21-09 and 5-13-2010, presented an inquiry-based activity addressing the state standards concerning sedimentary rocks.

- Represented the Department at the Akron Roundtable and prior night's reception for the CEO of the Nature Conservancy at the request of Fran Bucholzer. Fall 2009
- Hosted and presented to school children from the Hudson Middle School who visited UA and the Department on 9-15-08. They were working on a FIRST Lego League robot club and needed a "Climate Connection" topic consultant.
- Tallmadge Middle School 1-4-08 and 2-21-12. presented an inquiry-based activity addressing the state standards (ES-6-1) for the rock cycle.
- Served as a reader on Sarah Strano's University of Pittsburgh Honors Thesis. Included a trip to U. Pittsburgh on June 21, 2007 for her defense.
- Spent 2 weeks supervising a high school student's "Senior Search" research project at the University of Akron. I took Kaitlin Carmen canoeing to measure discharge and gather bed sediments; taught her how to do sedimentologic measurements; taught her excel calculations and graphing; taught her Powerpoint and how to make a poster for her school presentation. May 2006.
- Spoke to school children at Overdale Primary School on May 15, 2007 and April 11, 2006 about fossils and geology.
- Was a featured speaker at the Seiberling Nature Realm on Nov. 30, 2007. I was one of several speakers (others from Ohio State University and Case Western) in MetroParks Serving Summit County Climate Change lecture series.
- Made slide show presentations to both Summit Co. Soil&Water (June 20, 2007) and MetroParks (June 6, 2007) concerning my research on the Cuyahoga River.
- Spoke to school children at David Beacon School on Jan. 15, 2004 and Dunbar School on March 17, 2005 about geology.
- District five science fair judge March 16, 2002
- Talked to five classes at Overdale Public School on 4-23-02 about Mongolia and what a geologist does.
- Presenter at Tallmadge branch - Akron-Summit County Public Library on "Mongolia" as part of their travel talks series 3/14/01.

D. Membership in Professional Societies:

American Geophysical Union
Geological Society of America

E. Journal Reviewer:

I have provided peer-reviews for the following journals: *Anthropocene; G-Cubed; Earth Science Reviews; Environmental & Engineering Geoscience; Journal of Hydrology; GSA Special Publication on Bear Lake; The Holocene; Journal of Great Lakes Research; Journal of Paleolimnology; Earth and Planetary Science Letters; Geology; Palaeogeography, Palaeoclimatology, Palaeoecology; Geophysical Journal International; Quaternary Research; Journal of Sedimentary Research*

F. Proposal reviewer:

Yearly, I provide peer-reviews of research proposal for the US-NSF and have served on NSF proposal review panels in 2010 and 2008. Additional proposal reviews for ACS-PRF (2002) and the GSA Northcentral student research proposals (2003).

G. Service Prior to arrival at the University of Akron:
Proposal reviews for US-NSF and NERC (U.K.)
Manuscript reviews: Geoarchaeology; Earth and Planetary Science Letters Geology
Public service: Feb. 4, 1998. Channel 10 TV news, interview on R.I. coastal erosion

VIII. Complete Bibliography:

Articles in Professional Journals

Shanahan, T.M., Hughen, K.A., McKay, N., Overpeck, J.T., Scholz, C., Gosling, W.D., Miller, C.S., Peck, J.A., King, J.W. and Heil, C.W., 2016. CO2 and fire influence tropical ecosystem stability in response to climate change, *Scientific Reports*, 6, 29587; doi: 10.1038/srep29587.

Yoonessi, M., Lerch, B.A., Peck, J.A., Rodgers, R.B., Sola-Lopez, J. and Meador, M.A., 2015. Self-healing of core shell magnetic polystyrene nanocomposites. *ASC Applied Materials & Interfaces*, 7, 16932-16937, DOI: 10.1021/acsami.5b04314.

Yoonessi, M., Gaier, J.R., Peck, J.A. and Meador, M.A., 2015. Controlled direction of electrical and mechanical properties in nickel tethered graphene polyimide nanocomposites using magnetic field. *Carbon*, 84, 375-382.

Shanahan, T.M., McKay, N., Hughen, K.A., Overpeck, J.T., Otto-Bliesner, B., Heil, C.W., King, J., Scholz, C., and Peck, J.A. 2015. The time-transgressive termination of the African Humid Period, *Nature Geoscience*, 8, 140-144, DOI:10.1038/NGEO2329.

Mann, K.C., Peck, J.A. and Peck, M.C., 2013. Assessing dam pool sediment for understanding past, present and future watershed dynamics: An example from the Cuyahoga River, Ohio. Anthropocene, 2, 76-88. http://dx.doi.org/10.1016/j.ancene.2013.08.001

Peck, J.A. and Kasper, N.R. 2013. Multiyear assessment of the sedimentological impacts of the removal of the Munroe Falls Dam on the middle Cuyahoga River, Ohio. In: *The Challenges of Dam Removal*, eds. DeGraff, J.V. and Evans, J.E., *Reviews in Engineering Geology*, The Geological Society of America, pp. 81-92.

Shanahan, T.M., McKay, N., Overpeck, J.T., Peck, J.A., Scholz, C., Heil Jr. and King, J., 2013. Spatial and temporal variability in sedimentological and geochemical properties of sediments from an anoxic crater lake in West Africa: Implications for paleoenvironmental reconstructions, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Vol. 374, p. 96-109.

Shanahan, T.M., Peck, J.A., McKay, N., Heil Jr., , C.W., King, J., Forman, S.L., Hoffmann, D.L., Richards, D.A., Overpeck, J.T., Scholz, C., 2013. Age models for long lacustrine sediment records using multiple dating approaches – an example from Lake Bosumtwi, Ghana, *Quaternary Geochronology,* v. 15, 47-60.

Yoonessi, M., Scheiman, D.A., Dittler, M., Peck, J.A., Iiavsky, J., Gaier, J.R. and Meador, M.M. 2013. High-temperature multifunctional magnetoactive nickel graphene polyimide nanocomposites. *Polymer*, v. 54, no. 11, 2776-2784.

Shanahan, T. M., Beck, W., Overpeck, J. T., McKay, N., Pigati, J.S., Peck, J. A., Scholz, C., Heil, C. W., and King, J., 2012. Late quaternary sedimentological and climate changes at Lake Bosumtwi Ghana: New constraints from laminae analysis and radiocarbon age modeling. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Vol. 361-362, p. 49-60.

Bertel, D., Peck, J., Quick, T., and Senko, J. 2012. Iron transformations induced by acid-tolerant sulfate reducing bacterial activities. *Applied and Environmental Microbiology*. 78(1), 81-88.

Yoonessi, M., Peck, J.A., Bail, J.L., Rogers, R.B., Lerch, B.A. and Meador, M.M. 2011. Transparent large-strain thermoplastic polyurethane magnetoactive nanocomposites. *ASC Applied Materials & Interfaces*, American Chemical Society. Doi.org/10.1021/am200468t, Vol. 3, No. 7, 2686-2693.

Shanahan,T.M., Overpeck,J.T., Anchukaitis, K., Beck,J.W., Cole, J.E., Dettman, D., PeckJ.A., Scholz,C.A., KingJ.W., 2009. Atlantic forcing of persistent drought in West Africa, *Science*, 324, 377, DOI:10.1126/science.1166352.

Shanahan,T.M., Overpeck,J.T., Scholz,C.A., Beck,J.W., PeckJ.A., KingJ.W., 2008. Abrupt changes in the water balance of tropical West Africa during the late Quaternary. *J. Geophysical Research*. Vol. 113, p. D12108-D12120, doi:10.1029/2007JD009320.

Shanahan,T.M., Overpeck,J.T., Beck,J.W., Wheeler, C.W., PeckJ.A., KingJ.W., Scholz,C.A., 2008. The formation of biogeochemical laminations in Lake Bosumtwi, Ghana, and their usefulness as indicators of past environmental changes. *J. Paleolimnology*. Vol. 40, p. 339-355, doi:10.1007/s10933-007-9164-4.

Rumschlag, J.H. and Peck, J.A. 2007. Short-term sediment and morphologic response of the middle Cuyahoga River to the removal of the Munroe Falls Dam, Summit County, Ohio. *J. Great Lakes Research*, 33 (Special Issue 2): 142-153.

Peck, J.A. , Mullen, A., Moore, A., and Rumschlag, J.H., 2007 The legacy sediment record within the Munroe Falls dam pool, Cuyahoga River, Summit County, Ohio. *J. Great Lakes Research*, 33 (Special Issue 2): 127-141.

Kravchinsky, V.A., Evans, M.E., Peck, J.A., Sakai, H., Krainov, M.A., King, J.W., and Kuzmin, M.I, 2007. A 640 kyr geomagnetic and paleomagnetic record from Lake Baikal sediments, *Geophysical J. Int*.. doi: 10.1111/j.1365-246X.2007.03411.x. Vol. 170, p. 101-116.

Scholz, C.A., Johnson, T.C., Cohen, A.S., King, J.W., Peck, J., Overpeck, J.T., Talbot, M.R., Brown, E.T., Kalindekafe, L., Amoako, P.Y.O., Lyons, R.P., Shanahan, T.M., Castenada, I.S., Heil, C.W., Forman, S.L., McHargue, L.R., Beuning, K.R., Gomez, J., and Pierson, J. 2007. East African megadroughts between 135 and 75 thousand years ago and bearing on early-modern human origins. Proceedings of the National Academy of Sciences. Doi/10.1073/pnas.0703874104, Vol. 104, No. 42, p. 16416-16421.

Koeberl, C., Milkereit, B., Overpeck, J.T., Scholz, C.A., Amoako, P.Y.O., Boamah, D., Danuor, S., Karp, T., Kueck, J., Hecky, R.E., King, J., and Peck, J. 2007. An international and

multidisciplinary drilling project into a young complex impact structure: The 2004 ICDP Bosumtwi impact crater, Ghana, drilling project – An overview. *Meteoritics & Planetary Science*. 42, 483-511.

Shanahan,T.M., Overpeck,J.T., Beck,J.W., Pigati, J.A., Talbot,M.R., Scholz,C.A., PeckJ.A., KingJ.W., 2006. Paleoclimatic variations in West Africa from a record of late Pleistocene and Holocene lake level stands of Lake Bosumtwi, Ghana. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 242, 287-302.

Brooks, K., Scholz, CA, King, JW, Peck, J, Overpeck, JT, and Amoako, PYO, 2005. Late-quaternary lowstands of Lake Bosumtwi, Ghana: Evidence from high-resolution seismic reflection and sediment core data. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 216, 235-249.

Koeberl, C., Peck, J., King, J., Milkereit, B., Overpeck, J., and Scholz, C., 2005. The ICDP Lake Bosumtwi Drilling Project: A First Report. *Scientific Drilling*, vol. 1, no. 1, p. 23-27. doi:10.2204/iodp.sd.1.04.2005.

Peck, J.A., Green, R.R., Shanahan, T., King, J.W., Overpeck, J.T., and Scholz, C.A., 2004. A magnetic mineral record of Late Quaternary tropical climate variability from Lake Bosumtwi, Ghana. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 215, 37-57.

Sapota, T., Aldahan, A., Possnert, G., Peck, J., King, J., Prokopenko, A., and Kuzmin, M. 2004. A late Cenozic Earth's crust and climate dynamics record from Lake Baikal. *Journal of Paleolimnology*. 32, 341-349.

Fowell, S. J., Hansen, B.C.S., Peck, J. A., Khosbayar, P., and Ganbold, Enebish, 2003. Mid to Late Holocene Paleoclimate Evolution of the Lake Telmen Basin, Northcentral Mongolia, Based on Palynological Data, 2003. *Quaternary Research*, 59, 353-363.

Kravchinsky, V.A., Krainov, M.A., Evans, M.E., Peck, J.A., King, J.W., Kuzmin, M.I., Sakai, H., Kawai, T., Williams, D.F., 2003. Magnetic record of Lake Baikal sediments: Chronological and paleoclimatic implication for the last 6.7 Myr, *Palaeogeography, Palaeoclimatology, Palaeoecology*. 195, 281-298.

Yifru, D. and Peck, J.A., 2003. GIS based bathymetry mapping of Silver Lake Logan County, Ohio USA. *ArcNews*, v. 25, no. 3, p. 43.

Soninkhishig, N., Edlund, M.B. and Peck, J. A., 2003. Diatom-based paleoenvironmental reconstruction of Lake Telmen for the last 6230 years, Mongolian Journal of Biological Sciences**,** 1(1), 55-68.

Peck, J.A., Khosbayar, P., Fowell, S.J., Pearce, R.B., Aurienbyleg K., Hansen, B.C.S., and Soninkhishig, N. 2002. Mid to Late Holocene climate change in northcentral Mongolia as recorded in the sediments of Lake Telmen*, Palaeogeography, Palaeoclimatology, Palaeoecology*. 182, 135-153.

Prokopenko, A.A., Williams, D.F., Kuzmin, M.I., Karabanov, E.B., Khursevich, G.K., Peck, J.A., 2002. Muted climate variations in continental Siberia during the mid-Pleistocene epoch, *Nature*, 418, 65-68.

Prokopenko, A.A., Karabanov, E.B., Williams, D.F., Shackleton, N.J., Crowhurst, S.J., Peck, J.A., Gvozdkov, A.N., and King, J.W., 2001. Biogenic silica record of the Lake Baikal response to climatic forcing during the Brunhes, *Quaternary Research*, 55, 123-133.

Krainov, M.A., V.A. Kravchinsky, J.A. Peck, H. Sakai, J.W. King, and M.I. Kuzmin, 2001. Paleoclimate record in bottom sediments of Lake Baikal, from magnetic susceptibility data, *Russian Geology and Geophysics*, 42, 87-97, In Russian and English.

Antipin, V., Afonina, T., Badalov, O., Bezrukova, E., Bukharov, A., Bychinsky, V., Dimitriev, A.A., Dorofeeva, R., Duchkov, A., Esipko, O., Fileva, T., Gelety, V., Golubev, V., Goreglyad, A., Gorokhov, I., Gvozdkov, A., Hase, Y., Ioshida, N., Ivanov, E., Kalashnikova, I., Kalmychkov, G., Karabanov, E., Kashik, S., Kawai, T., Kerber, E., Khakhaev, B., Khlystov, O., Khursevich, G., Khuzin, M., King, J., Konstantinov, K., Kochukov, V., Krainov, M., Kravchinsky, V., Kudryashov, N., Kukhar, L., Kuzmin, M., Nakamura, K., Nomura, Sh., Oksenoid, E., Peck, J., Pevzner, L., Prokopenko, A., Romashov, V., Sakai, H., Sandimirov, I., Sapozhnikov, A., Seminsky, K., Soshina, N., Tanaka, A., Tkachenko, L., Ushakovskaya, M., Williams, D., 2001, The new BDP-98 600-m drill core from Lake Baikal: a key late Cenozoic sedimentary section in continental Asia, *Quaternary International*, v. 80-81, p. 19-36.

The Baikal Drilling Project group, 2000. Paleoclimatic record in the Late Cenozoic sediments of lake Baikal (by 600 m deep-drilling data). The Baikal Drilling Project group (V. Antipin, T. Afonina, O. Badalov, E. Bezrukova, A. Bukharov, V. Bychinsky, D. Williams (USA), A. Gvozdkov, V. Geletiy, V. Golubev, A. Goregljad, I. Gorokhov, Dmitriev, R. Dorofeeva, A. Duchkov, O. Esipko, E. Ivanov, N. Yoshoda (Japan),T. Kawai (Japan), I. Kalashnikova, G. Kalmichkov, E. Karabanov, E. Kerber, J. King (USA), K. Konstantinov, V. Kochukov, V. Kravchinsky, M. Krainov, L. Koukhar, N. Kudrjashev, M. Kuzmin, K. Nakamura (Japan), Sh. Nomura (Japan), E. Oksnoid, L. Pevzner, J. Peck (USA), A. Prokopenko, V. Romashev, H. Sakai (Japan), I. Sandimirov, A. Sapozhnikov, K. Seminsky, N. Soshina, L. Tkachenko, M. Ushakovskaya, T. Fileva, B. Khakhaev, O. Khlystov, M. Khuzin, G. Khursevich). *Russian Geology and Geophysics*, 2000, v.41, No 1, 3-32. In Russian and English.

Colman, S.M., Peck, J.A., Hatton, J., Karabanov, E.B., and King, J.W., Biogenic silica records from the BDP93 drill site and adjacent areas of the Selenga Delta, Lake Baikal, Siberia. *Journal of Paleolimnology*, 21, 9-17, 1999.

Aldahan, A., Possnert, G., Peck, J., King, J. and Colman, S., 1999. Linking the 10Be continental record of Lake Baikal to marine and ice archives of the last 50 Ka: Implications for the global dust-aerosol input, *Geophysical Research Letters*, 26, 2885-2888.

Lacey, B. and Peck, J. A., 1998. Long-term beach profile variations along the south shore of Rhode Island, USA, *Journal of Coastal Research*, 14, 4, 1255-1264.

Peck, J., Geomagnetic Reversals: Response, *Science*, 281, 518-519, 1998.

Kravchinsky, V.A., J.A.Peck, H.Sakai, J.W.King, S.Nomura, A.Tanaka, M.I.Kuzmin, D.Williams, and T.Kawai, Magnetostratigraphy scale of Late Cenozoic of Central Asia due to data obtained from Baikal Drilling Project. *In: Geodynamic reorganizations of lithosphere*. Editors: N.L. Dobretsov, V.I. Kovalenko. Novosibirsk, Publ. House of Russian Academy of Science, Siberian Branch, OIGGM, 1998, 73-78. In Russian.

A continuous record of climate changes of the last 5 million years stored in the bottom sediments of Lake Baikal. Members of the Baikal Drilling Project (BDP-96). *Russian Geology and Geophysics*, 1998, 39(2), 139-156. In Russian.

Roman, C.T., Peck, J.A., Allen, J.R., King, J.W., and Appleby, P.G., Accretion of a New England salt marsh in response to inlet migration, storms, and sea-level-rise, *Estuarine, Coastal and Shelf Science*, 45, 717-727, 1997.

Williams, D.F., Peck, J.A., Karabanov, E., Prokopenko, A., Kravchinsky, V.A., King, J., and Kuzmin, M., 1997. Lake Baikal record of continental climate response to orbital insolation during the past 5 million years, *Science*, 278, 1114-1117, 1997.

Baikal Drilling Project BDP-96 (Leg II) Members, Continuous paleoclimate record recovered for last 5 million years, *EOS* , 78, 597-604, 1997.

Fowell, S.J. and Peck, J.A., Data collected in Mongolia offer key clues to past climate, *EOS*, 78, 320-321, 1997.

Participants of Baikal Drilling Project, Preliminary results of the first scientific drilling on Lake Baikal, Buguldeika site, southeastern Siberia, *Quaternary International*, 37, 3-17, 1997.

Peck, J.A. and King, J.W., Magnetofossils in the sediment of Lake Baikal, Siberia, *Earth and Planetary Science Letters*, 140, 159-172, 1996.

Peck, J.A., King, J.W., Colman, S.M. and Kravchinsky, V.A., An 84 kyr paleomagnetic record from the sediments of Lake Baikal, Siberia, *Journal of Geophysical Research,* 101, 11,365-11,385, 1996.

Colman, S.M., Jones, G.A., Rubin, M., King, J.W, Peck, J.A., and Orem, W., AMS radiocarbon analyses from Lake Baikal, Siberia: Challenges of dating sediments from a large, oligotrophic lake, *Quaternary Geochronology*, (Quaternary Science Reviews) 15, 669-684, 1996.

Participants of Baikal Drilling Project (compiled by M.I. Kuzmin), Results of the first drilled borehole at Lake Baikal near the Buguldeika isthmus, *Russian Journal of Geology and Geophysics,* 36, 3-32, 1995.

Colman, S.M., Peck, J.A., Likhoshway, E.V., Granina, L.Z., Karabanov, E.B., Carter, S.J., King, J.W., and Williams, D.F., Continental climate response to orbital forcing: The diatom paleoproductivity record from Lake Baikal, Siberia, *Nature*, 378, 769-771, 1995.

Peck, J.A., King, J.W., Colman, S.M., and Kravchinsky, V.A., A rock-magnetic record from Lake Baikal, Siberia: Evidence for Late Quaternary climate change, *Earth and Planetary Science Letters*, 122, 221-238, 1994.

King, J. W., Peck, J., Gangemi, P. and Kravchinsky, V.A., Paleomagnetic and rock-magnetic studies of Lake Baikal sediments: A progress report on paleoenvironmental interpretations and sedimentation rate estimates, in: *Scientific results of the Baikal Drilling Project*, eds., Kuzmin, M.I. and Williams, D.F., *Soviet Journal Geologie I Geofizica*, 34:10-11, 168-185, 1993.

Peck, J.A. and McMaster, R.L., Stratigraphy and geologic history of Quaternary sediments in lower West Passage, Narragansett Bay, Rhode Island, *Journal of Coastal Research*, Special Issue 11, 25-37, 1991.

Reports

Peck, J.A. and Milkovich, N., 2017. Magnetic Intensity Mapping of the Cuyahoga River Adjacent to the Jaite Mill Site, Cuyahoga Valley National Park, Ohio. Pp. 118. Confidential Report (legal issues at the study site) available for review in Peck's office.

Peck, J.A. and Bates, D., 2010. Seismic study of Gorge Dam pool sediments: Final Report to Ohio EPA and Friends of the Crooked River & Ohio EPA. 28pp. plus Appendices.

Bates, D. and Peck, J.A. 2010. A ground penetrating radar survey to find and delineate the Pinery Feeder Dam in the Cuyahoga River, near Ohio State Route 82: Final Report to U.S. Cuyahoga Valley National Park, Ohio EPA, and Friends of the Crooked River. 45 pp.

Peck, J.A., 2004. Sediment sampling of the Cuyahoga River in the vicinity of the Munroe Falls dam. Pp. 63, with 55 page appendix. Report to County of Summit, department of Environmental Services (Confidential report available for examination with J. Peck).

King, J., C. Gibson, and J. Peck, "Results of a 1998 Survey of the Physical and Chemical Characteristics of the Surface Sediments in the Quonset Point Area of Narragansett Bay Physical Properties and Trace Metal Geochemistry," Draft Final Report, 2000.

Williams, D.F., Goulden, C.E., Molnar, P., Tomurtogoo, O., Fowell, S., and Peck, J., Mongolia as a Natural Field Laboratory for Multidisciplinary Research: A Mongolian-American Research Initative, Report to the National Science Foundation, 88 pp. 1998.

Roman, C.T., Peck, J.A., Allen, J.R., King, J.W., and Appleby, P.G., Accretion of a New England salt marsh in response to inlet migration, storms, and sea-level-rise (Nauset Marsh, Cape Cod National Seashore). National Park Service Tech. Report NPS/NESO-RNR/NRTR/96-16, 34pp, 1996.

King, J., Corbin, J., McMaster, R., Quinn, J., Gangemi, P., Cullen, D., Latimer, J., Peck, J., Gibson, C., Boucher, J., Pratt, S., LeBlanc, L., Ellis, J., and Pilson, M., A study of the sediments of Narragansett Bay Volume I: The surficial sediments of Narragansett Bay, Final Report submitted to the Narragansett Bay Project, 201 pp., 1995.

Peck, J., Elevation profiling of eight southern Rhode Island barrier beaches, September 1988 to August 1989, [unpub. Annual Reports]: Coastal Resources Center, University of R.I., Kingston, 123 pp, 1989.

Peck, J., Elevation profiling of eight southern Rhode Island barrier beaches, September 1987 to August 1988, [unpub. Annual Reports]: Coastal Resources Center, University of R.I., Kingston, 153 pp, 1988.

Book Chapters

Brigham-Grette, J., Haug, G.H., Baker, P., Cohen, A., Colman, S., Francus, P., Fritz, S., Lamoureu, S., Nielson, D., Peck., J., Powers, L., Russell, J., Stein, M., Verschuren, D., Vogel, S., and Zolitschka, B. 2007. Climate Dynamics and Global Environments: A community vision for the next decade in ICDP. In *Continental Scientific Drilling: A Decade of Progress, and Challenges for the Future*, Harms, U., Koeberl, C., and Zoback, M.D. (eds.) pp.53-94. ISBN: 978-3-540-68777-1.

King, J.W. and Peck, J.A., 2001. Use of paleomagnetism in studies of lake sediments. In *Tracking Environmental Change Using Lake Sediments Volume 1: Basin Analysis, Coring, and Chronological Techniques,* eds. Last, W.M. and Smol, J.P., Kluwer Academic Publishers, pp. 371-390.

Sakai, H., S. Nomura, M. Horii, K. Kashiwaya, A. Tanaka, T. Kawai, V. Kravchinsky, J. Peck and J. King, 2000. Paleomagnetic and rock-magnetic studies on Lake Baikal sediments –BDP96 borehole at Academician Ridge. In*: Lake Baikal: A mirror in time and space for understanding global change processes*, ed. Minouran, K., *Elsevier Science*, Amsterdam, pp. 35-52.

Popular Articles

Bates, D. and Peck, J, 2012. Using Ground Penetrating Radar to Find the Pinery Feeder Dam in the Cuyahoga River, Summit County, Ohio. *Towpaths, The Journal of the Canal Society of Ohio*, vol. L, No. 3, 33-41.

Koeberl, C., Milkereit, B., Overpeck, J.T., Scholz, C.A., Reimold, W.U., Ferriere, L., Coney, L., Peck, J.A., 2007. Results of the 2004 ICDP Bosumtwi impact crater, Ghana, drilling project, DOSECC Newsletter, v. 5, no. 1, p. 1-4.

Fritz, S, Johnson, T., Baker, P., Colman, S., Dean, W., and Peck, J., 2006. Large lake drilling projects supported by US National Science Foundation Earth Systems History Program. *PAGES News*, vol. 14, No. 2, 19-20.

Peck, J., Koeberl, C., King, J., Milkereit, B., Overpeck, J., and Scholz, C., 2005. The Lake Bosumtwi drilling Project: Initial Report. Geological Society of America, *Limnogeology Division Newsletter*, vol. 2, no. 2, p. 3-7.

Peck, J.A., 2004. The Lake Bosumtwi Drilling Project: Paleoclimate Research through Sediment Drilling, DOSECC Newsletter, v. 2, no. 3, p. 4-5.

Peck, J. 2000. Mongolian Lake Sediments Record Climate Change, *Martimes,* v. 42, p. 21-24.

Peck, J. and King, J., Scientists drill deep into Siberia's past, *At the Bay Campus*, 12:2, 1, 1993.

Peck, J. and McMaster, R.L., The geology beneath the new Jamestown-Verrazano Bridge, *Martimes*, 31, 4-6, 1990.

Papers in Conference Proceedings

Peck, J.A., King, J.W., Scholz, C., Brooks, K., Overpeck, J.T., Amoako, P., and Arko, J., 2001. Physical Property Logging of Sediment Cores from Lake Bosumtwi, Ghana, International Continental Drilling Program Lake Bosumtwi Workshop, GeoForschungsZentrum, Potsdam, Sept. 22-24, 2001, pp. 7pp.

Peck, JA, Khosbayar, P, Fowell, S, Ariunbileg, S, Erdenejav, G, King, J, Williams, D., Prokopenko, S., Hansen, B, Pearce, R, Sainzaya , T., Soninkhishig, N., 2000 Mongolian Lake Systems Record Holocene Climate Change, NSF Miniconference on Mongolian Paleoclimatology and Environmental Research, Columbia University Nov. 3-4, 2000, pp. 45-54.

Published Abstracts of Conference Presentations

Grochocki, J. and Peck, J. A., 2017. Late Holocene Environmental Variability as Recorded in the Sediment of a Northeastern Ohio Kettle Lake. Geological Society of America *Abstracts with Programs*. Vol. 49, No. 2 doi: 10.1130/abs/2017NE-290082

Rocchio, A. and Peck, J.A., 2017. A comparison of rural and urban fluvial systems as a function of land cover changes in Summit County, Ohio. Geological Society of America *Abstracts with Programs*. Vol. 49, No. 2 doi: 10.1130/abs/2017NE-290058

Estes, C.D. and Peck, J.A., 2017. Continued monitoring of the effects of two dam removals on the middle Cuyahoga River, Ohio. Geological Society of America *Abstracts with Programs*. Vol. 49, No. 2 doi: 10.1130/abs/2017NE-290157

Gromofsky, G.A. and Peck, J.A., 2017. Assessing sediment magnetism as a proxy for heavy metal pollution in a northern Ohio fluvial system. Geological Society of America *Abstracts with Programs*. Vol. 49, No. 2 doi: 10.1130/abs/2017NE-290297

Lally, C. and Peck, J. A., 2016. Late Pleistocene to Holocene Climate Variability as Recorded in the Sediments of Silver Lake, Ohio. Geological Society of America *Abstracts with Programs*. Vol. 48, No. 5 doi: 10.1130/abs/2016NC-275083

Delaney, A.J. and Peck, J.A., 2016. Effects of Climate and Development on the Geomorphology and Hydrology of the Yellow Creek Watershed, Summit and Media Counties, Ohio. Geological

Society of America *Abstracts with Programs*. Vol. 48, No. 5 doi: 10.1130/abs/2016NC-275029

Starr, L., Peck, J.A., McManus, J., 2016. A Sedimentary Record of Mercury from a Small Urban Watershed. Geological Society of America *Abstracts with Programs*. Vol. 48, No. 5 doi: 10.1130/abs/2016NC-275267

Starr, L., Peck, J.A., McManus, J., 2016. Distributions of mercury within an urban and suburban watershed in Northeast Ohio, AGU meeting. *AGU,* Fall Meet, Abstract, H23A-1523.

Mitchell, S. and Peck, J.A., 2015. Assessing Two Centuries of Anthropogenic Impacts to Rex Lake, Summit County, Ohio, The Geological Society of America Southeastern Meeting, Vol 47, No. 2, abstract number 253711.

Peck. J.A., 2013. Quantifying and monitoring sediment transport within the Cuyahoga River, Ohio watershed. 21st National Nonpoint Source Monitoring Conference & Workshops. p. 25.

Mann, K.C., Peck, J.A. and Peck, M.C., 2012. Ninety-nine Year Sediment Yield Record of the Middle Cuyahoga River Watershed, Ohio, The Geological Society of America Annual Meeting, Vol 44, No. 7, p 105.

Liberatore, S. and Peck, J.A., 2012. Changes in Geomorphic Equilibrium on Furnace Run, Summit County, OH, The Geological Society of America Annual Meeting, Vol 44, No. 7, p 421.

Shaw, K. and Peck, J.A., 2012. Assessing Two Centuries of Anthropogenic Impacts on Silver Lake, Summit County, Ohio, The Geological Society of America Annual Meeting, Vol 44, No. 7, p 436.

McKay, N, Overpeck,J., Shanhanan, T., Peck, J., Heil, C., King, J., and Scholz, C., 2012. A 12,000-year-long, annually-resolved varve record spanning the last interglacial from Lake Bosumtwi, Southern Ghana, *Eos Trans. AGU,* Fall Meet. Suppl., Abstract, PP24A-02.

Yoonessi, M., Scheiman, D., Peck, J., Gaier, J., and Meador, M.A., 2012. Controlled orientation and actuation of high performance polyimide nanocomposites using magnetic nanoparticles tethered graphene, The American Institute of Chemical Engineers Annual Meeting.

Shanahan, T. M., Hughen, K., Overpeck, J. T., Peck, J. A., King, J., Heil, C. W., and Scholz, C., 2012. Asynchronous evolution of the West African Monsoon during the Holocene? Insights from the Guinea Coast. American Quaternary Association, 22nd Biennial Meeting, Program and Abstracts, p. 37.

Mann, K. and Peck, J. A., 2011. The Urban impact on the Little Cuyahoga River, Summit County, Ohio. The Geological Society of America Abstracts with Programs, Vol 43, No. 1, p66.

Mann, K. and Peck, J. A., 2011. Using dam pool sediment as an archive of urban and suburban watershed change: An example from the Cuyahoga River, Ohio. The Geological Society of America Abstracts with Programs, Vol 43, No. 5, p 461.

McKay, N, Overpeck,J., Shanhanan, T., Peck, J., King, J., Scholz, C., Heil, C., 2011, Interannual- to multicentiennial-scale variability in the West African Monsoon during the Eemian, *Eos Trans. AGU,* Fall Meet. Suppl., Abstract PP13B-1833.

Bates, D.T., Peck, J. A., Zawiski, B., and Plona, M., 2011. Locating a submerged historic dam in the Cuyahoga River, Ohio. The Geological Society of America Abstracts with Programs, Vol 43, No. 1, p132.

Bates, D.T., Peck, J. A., Zawiski, B., and Plona, M., 2011. Locating a submerged historic dam in the Cuyahoga River, Ohio using ground penetrating radar. Conference on Undergraduate and Graduate Student Research, University of Akron, April 7, 2010. *Winner Best Presenter Award*

Peck, J.A. and Kasper, N.R., 2010. Multi-year assessment of the removal of the Munroe Falls Dam on the middle Cuyahoga River, Ohio. *Eos Trans. AGU,* Fall Meet. Suppl., Abstract PA31E-1593.

Abebe, N. and Peck, J., 2010. Hydrological variation of West Africa for the past 1 Ma using sediment in Lake Bosumtwi, Ghana. 2010 Conference on Undergraduate and Graduate Student Research, University of Akron, April 8, 2010. p. 24.

Poyrazli, H. and Peck, J., 2010. Reconstruction of lake-level variation and shoreline position of Lake Bosumtwi, Ghana for the last 0.5 million years. 2010 Conference on Undergraduate and Graduate Student Research, University of Akron, April 8, 2010. p. 28.

Abebe, N. T., Peck, J. A., Shanahan, T. M., King, J. W., Overpeck, J. T., Scholz, C. A., (2009). XRD-Mineralogy of Lake Bosumtwi (Ghana) Sediments as a Proxy for Past Hydrologic Variability of West Africa. The Geological Society of America, Vol 41, No. 7, p101.

Mack, E. and Peck, J.A., 2009. Determination of the magnetic mineralogy of sediment from Lake Bosumtwi, West Africa. 2009 Conference on Undergraduate and Graduate Student Research, University of Akron, March 26, 2009. p. 72. *Winner Best Presenter Award*

Abebe, N. and Peck, J., 2009. Past hydrologic variability in West Africa as recorded by the sediments in Lake Bosumtwi, Ghana. 2009 Conference on Undergraduate and Graduate Student Research, University of Akron, March 26, 2009. p. 32.

Mann, K and Peck, J., 2009. Human impacts on the Little Cuyahoga River Sediment Load. 2009 Conference on Undergraduate and Graduate Student Research, University of Akron, March 26, 2009. p. 73.

McKay, N, Overpeck,J., Brown, E., Shanhanan, T., Peck, J., King, J., Scholz, C., Heil, C., 2009, A scanning-XRF record of Lake Bosumtwi sediments: Implications for West African Monsoon variability over the past 500 kyr, *Eos Trans. AGU, 90(52)*, Fall Meet. Suppl., Abstract PP14A-04.

Gouin, J. and Peck, J.A., 2008. Tidal rhythmites: A study of an ancient Ohio tidal environment 2008 Conference on Undergraduate and Graduate Student Research, University of Akron, March 27, 2008. p. 35. *Best Presenter Award*

Mack, E. and Peck, J.A., 2008. Using first order reversal curves (FORCS) to better characterize the rock-magnetic paleoenvironmental record from Lake Bosumtwi, West Africa 2008 Conference on Undergraduate and Graduate Student Research, University of Akron, March 27, 2008. p. 51. *Best Presenter Award*

McDonald, P.J., Peck, J.A. and Rosenmeier, M.F., 2008. Paleoclimate investigation of lacustrine sediment from Lake Telmen, Mongolia. NC-GSA Abstracts with Programs, Paper no. 23-5.

King, J.W., Heil, C., and Peck, J.A. 2008. Paleomagnetic and mineral-magnetic results from the Lake Bosumtwi drilling project, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract : GP14A-03

Shanahan, T.M., Hughen, K.A., VanMooy, B., Overpeck, J.T., Baker, P.A., Fritz, S., Peck, J.A., Scholz,C., and King, J.W,, (2008), Regionally heterogeneous paleoenvironmental responses in the West African and South American monsoon systems on glacial to millennial timescales, *Eos Trans. AGU, 89*(53), Fall Meet. Suppl., Abstract : PP43B-1533

Peck, J.A., Shanahan, T.M., King, J.W., Overpeck, J.T., Scholz, C.A., Heil, C., Forman, S.L., and Amoako, P.Y.O. 2007. The 1 Ma Lake Bosumtwi (West Africa) Paleoclimate Record: Comparisons to Marine and Polar Records, *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract : U22B-08

Peck, J.A., Shanahan, T.M., King, J.W., Overpeck, J.T., and Scholz, C.A., 2007. Lake Bosumtwi (Ghana) sedimentary records of environmental change, Special International Conference "Response of North African Ecosystems" MARUM, University of Bremen, Germany, Nov. 13-16, 2007, p. 28-29.

Shanahan, T.M., Overpeck, J.T., Beck, J.W., Cole, J.E., Anchukaitis, K., Peck, J., Scholz,C., and King, J., (2007), West African monsoon variability along the Guinea coast during the Holocene, *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract : PP13D-03

Hughen, K.A., Shanahan, T.M., Drenzek, N., Overpeck, J.T., Pigati, J., Peck, J., King, J., and Scholz, C., (2007), Abrupt changes in hydrology and vegetation in the West African monsoon region since the Last Glacial Maximum, *Eos Trans. AGU, 88*(52), Fall Meet. Suppl., Abstract : PP52B-05

Mack, E., Peck, J.A., King, J.W., Overpeck, J.T., and Scholz, C.A. 2007. Using first order reversal curves (FORCS) to better characterize the rock-magnetic paleoenvironmental record from Lake Bosumtwi, West Africa. GSA Abstracts with Programs, Paper no. 117-30.

O'Shea, C. and Peck, J.A., 2007. Characterizing Minerals, Sediment, and Volcanic Products using Magnetic Hystersis loops and First Order Reversal Curves (FORC's) 2007 Conference on Undergraduate and Graduate Student Research, University of Akron, February 15, 2007 . p. 48.

Peck, J.A., Fox, P.A., Shanahan, T.M., King, J.W., Overpeck, J.T., Scholz, C.A., Heil, C., Forman, S.L., Koeberl, C. and Milkereit, B. 2006. A 1 Ma Environmental Magnetic record from lake Bosumtwi, West African. GSA Abstracts with Programs, v. 38 no. 7 p. 199.

Shanahan, T.M., Overpeck, J.T., Beck, J.W., Peck, J.A., King, J.W., and Scholz, C.A. 2006. Three millennia of variations in the West African monsoon: insights into tropical and global teleconnections from the varved sediments of Lake Bosumtwi. *EOS* Trans. 87(52), Fall Meeting Suppl.

Peck, J.A., Fox, P.A., Shanahan, T.M., King, J.W., Overpeck, J.T., Scholz, C.A., Heil, C., Amoako, P.Y.O., Forman, S.L., Koeberl, C. and Milkereit, B. 2006. A 1 Ma West African paleoclimate record from Lake Bosumtwi, Ghana. 10th International Paleolimnology Symposium, Duluth, MN Abstract Volume, p. 140.

Clark, A. J., Peck, J.A., and Fox, J.M., 2006. Environmental magnetic characterization of fly-ash from coal burning power plants, North-Central GSA Abstracts with Programs, v. 38, p.67.

Fox, P. A., Peck, J.A., Shanahan, T.M., King, J.W., Scholz, C.A., Overpeck, J.T., Amoako, P.Y., 2006. Sediment magnetic hysteresis measurements as a paleoclimate proxy from Lake Bosumtwi, Ghana, North-Central GSA Abstracts with Programs, v. 38, p.7.

Peck, J.A., 2006. Sedimentary magnetic records of natural and anthropogenic environmental change, North-Central GSA Abstracts with Programs, v. 38, p.28.

Rumschlag, J. H., Peck, J.A., 2006. Preliminary analysis of dam removal impacts on the middle reach of the Cuyahoga River, Ohio, North-Central GSA Abstracts with Programs, v. 38, p.20.

Koeberl, C., Milkereit, B., Overpeck, J., and Scholz, C., Reimold, W.U., Amoako, P.Y.o., Boamah, D., Claeys, P., Danuor, S., Deutsch, A., Hecky, R.E., King, J., Newsom, H., Peck, J., and Schmitt, D.R., 2006. An international and multidisciplinary drilling project into a young complex impact structure: The 2004 1cdp Bosumtwi impact crater, Ghana, drilling project – An overview (abstract #1859). 37th Lunar and Planetary Science Conference.

Koeberl, C., Brandstatter, F., Hecht, L., Reimold, W.U., Peck, J., and King, J., 2006. Uppermost impact fallout layer in a drillcore at the Bosumtwi impact crater (Ghana): A preliminary study (abstract #1552). 37th Lunar and Planetary Science Conference.

Clark, Andrew and Peck, John, 2005. Environmental magnetic characterization of fly-ash from coal burning power plants. 2005 Conference on Undergraduate and Graduate Student Research, University of Akron, November 17, 2005. p. 54. *Winner of a best student presentation award.*

Shanahan, T.M., Overpeck, J.T., Hughen, K., Drenzek, N., Beck, J.W., Peck, J.A., King, J., Scholz, C., Wheeler, C.W., 2005. Orbital and non-orbital forcing of hydrologic and vegetation change in West Africa since the LGM as revealed by geochemical records and hydrologic modeling of Lake Bosumtwi, Ghana. GSA Abstracts with Programs, v. 37 no. 7, p. 524.

Haney, S.A. and Peck, John A., 2005. Evidence of Anthropogenic Impact in Lake Sediments in an Urban Watershed: Summit Lake, Summit County, North-Central GSA Abstracts with Programs, v. 37, p.71.

Mullen, Andrea and Peck, John A., 2005. Assessing Impacts on Sedimentation due to Dam Modification on the Cuyahoga , North-Central GSA Abstracts with Programs, v. 37, p.19.

Nergui, Soninkhishig and Peck, John A., 2005. Diatom Community Analyses in the Core UN99-C1 from Lake Ugii, Mongolia, PAGES Open Science Meeting, Beijing, China.

Peck, J.A., Heil, C. King, J.W., Scholz, C.A., Shanahan, T.M., Overpeck, J.T., Fox, P.A., Amoako, P.Y., Forman, S.L., Koeberl, C. and Milkereit, B. 2005. The Lake Bosumtwi Drilling Project: A 1 Ma West African Paleoclimate Record, *EOS* Trans. 86(52) 2005.

Shanahan, T.M., Overpeck, J.T., Peck, J., King, J., Scholz, C., Hughen, K., Drenzek, N., and Beck, J.W., 2005. Paleoenvironmental changes in West Africa since the Last Glacial Maximum from a geochemical and modeling study of Lake Bosumtwi, Ghana. *EOS* Trans. 86(52) 2005.

Fox, P.A., Peck, J.A., Shanahan, T., King, J.W., Scholz, C.A., Overpeck, J.T., and Amoako, P.Y., 2005. Sediment Magnetic Hysteresis Measurements as a Paleoclimate Proxy From Lake Bosumtwi, Ghana. *EOS* Trans. 86(52) 2005.

Gomez, J., Forman, S.L., Pierson, J., Scholz, C., Peck, J., Heil, C., King, J., Shanahan, T., Overpeck, J., Koeberl, C., and Milkereit, B. 2005. An assessment of the utility of optically-stimulated luminescence to date sediments from Lakes Malawi, Bosumtwi, and Tanganyika, Africa. *EOS* Trans. 86(52) 2005.

King, J.W., Heil, C., Peck, J.A., Scholz, C.A., Shanahan, T.M., Overpeck, J.T., 2005. Use of paleomagnetic secular variation, excursion, and reversal records to correlate African lake climate records, *EOS* Trans. 86(52) 2005.

Koeberl, C., Milkereit, B., Overpeck, J., Scholz, C., Peck, J., and King, J., 2005. The 2004 ICDP Bosumtwi impact crater, Ghana, West Africa, Drilling Project: A First Report. (abstract #1830). 36th Lunar and Planetary Science Conference.

Haney, S.A. and Peck, John A., 2004. Evidence of anthropogenic impact on the Summit Lake ecosystem: Akron, Ohio, 8th Annual Ohio Limnology Conference and 18th Annual Ohio Lake Management Society Symposium, Abstracts with Programs, Mt. Sterling, OH, March 27 2004. Winner of 2nd best student presentation and $250.

Peck, John A., 2004. Fostering the Development of Scientific Thinking with Student Involvement in Research Projects, 2004 Conference on Undergraduate and Graduate Student Research, University of Akron, October 21, 2004. p. 16.

Haney, S.A. and Peck, John A., 2004. 200 Years of Environmental History Recorded in Summit Lake Sediments: Akron, Ohio. 2004 Conference on Undergraduate and Graduate Student Research, University of Akron, October 21, 2004. p. 55. *Winner of a best student presentation award*.

Fox, Philip and Peck, John A., 2004. West African Climate Change as Recorded in the Sediments of Lake Bosumtwi, Ghana. 2004 Conference on Undergraduate and Graduate Student

Research, University of Akron, October 21, 2004, p. 71. *Winner of a best student presentation award.*

Mullen, Andrea and Peck, John A., 2004. Relating Magnetic Parameters to Lithology in the Cuyahoga River, OH. 2004 Conference on Undergraduate and Graduate Student Research, University of Akron, October 21, 2004. p. 69. *Winner of a best student presentation award.*

Bates, William J. and Peck, John A., 2003. Analysis of Sediment Quality of Summit Lake, Akron, Ohio, GSA Abstracts with Programs, Paper v. 35, no. 2, p.8.

Peck, John A., Mullen, A., and Szabo, J., 2003. A Late Pleistocene Rock-magnetic Stratigraphy from Garfield Heights, Ohio, GSA Abstracts with Programs, Paper v. 35, no. 2, p.54.

Peck, John A., Yifru, Dawit, Mullen, A., and Bates, W., 2003. Environmental Magnetism Applied to the Study of Ohio Lakes, 7th Annual Ohio Limnology Conference and 17th Annual Ohio Lake Management Society Symposium, Abstracts with Programs, Mt. Sterling, OH, March 21 and 22nd 2003.

Peck, J.A., and Green, Ryan R., 2003. Lake Bosumtwi sediment hysteresis measurements as a proxy for West African paleoclimate variation, 1st International Workshop on Magnetism, Hysteresis and the FORC Method, University of California – Davis, April 25-27, 2003 p. 15.

Peck, J.A., Foos, A., Park, L., Sasowsky, I., and Quick, T., 2002. Fostering the Development of Scientific Thinking with Undergraduate Research Projects, 9th National Conference of the Council on Undergraduate Research, p. 35.

Yifru, Dawit D., Peck, John A., and King, John W., 2002. Post-glacial Environmental Change as Recorded by Silver Lake Sediments, Logan County, Ohio, GSA Abstracts with Programs, 34-6, p. 257.

Green, Ryan R., Peck, John, King, John, Wheeler, C. W., and Overpeck, Johnathan, 2002. A Late Quaternary Magnetic Mineral Record From the Sediments of Lake Bosumtwi, Ghana, GSA Abstracts with Programs, 34-6, p. 201.

Fowell, Sarah J., Wang, Yiming, Peck, John A., Hansen, Barbara C.S., Khosbayar, P., and Ganbold, Enebish, 2002. Palynological Indices Identify Mid to Late Holocene Changes in Moisture Availability at Lakes Telmen and Dood, Northern Mongolia, GSA Abstracts with Programs, 34-6, p. 201.

Peck, J.A., Khosbayar, P., King, J., Fowell, S.J., Aurienbyleg K., and Soninkhishig, N., 2001. The Latest Holocene Sedimentary Environmental Magnetic Record from Lake Dood, Mongolia, *EOS*, 82(47): F337.

Peck, J.A., King, J.W., Brooks, K., Scholz, C., Overpeck, J.T., Amoako, P., Arko, J., and Kelts, K, 2000. Initial Report on Summer 2000 Sediment Coring of Lake Bosumtwi, Ghana, *EOS,* 81, F710.

Fowell, S.J., Peck, J.A., Khosbayar, P., Hansen, B.C.S., and Krumhardt, A.P., 2000. Palynological data record millenial-scale climate changes in the Late Holocene of Mongolia. GSA Abstracts with Programs v. 32, p. A471.

Peck, J.A., King, J., Kravchinsky, V.A., Williams, D., and Kuzmin, M.I., 1999. The sedimentary rock-magnetic record from Lake Baikal, Russia: Insight on Quaternary Glaciations in Siberia, *Geological Society of America*, Oct. A141.

Peck, J.A., Khosbayar, P., Fowell, S.J., Aurienbyleg K., Erdenejav, G., King, J., and Williams, D., 1999. Late Quaternary climate change as recorded in Mongolian lake sediments, *EOS*, **80**: 501.

Williams, D., Karabanov, E., Prokopenko, A., Peck, J. King, J., Khursevich, G. and Kuzmin, M.,1999. Decadal to centennial record of Asias continental response to northern hemisphere climate forcing: Linkage of the Lake Baikal and marine record, *EOS* F462.

Williams, D., Kuzmin, M., Kawai, T., Karabanov, E., Prokopenko, A., King, J., and Peck, J. 1999. Latest results from drilling Lake Baikal sediments: Archives of global and regional paleoenvironmental changes during the late Cenozoic, *Geological Society of America*, Oct. A73.

Aurienbyleg, S., Khosbayar, P., Peck, J.A., Fowell, S.J. and Sainzaya, T., 1999.X-ray mineralogy as a paleoclimate proxy from Mongolian lake sediments. Published abstract, *Mongolian Geoscientist*, Bulletin of the Geological Association of Mongolia, No. 14: 81-83.

Khosbayar, P., Peck, J.A., Fowell, S.J., Aurienbyleg K., Erdenejav, G., King, J., and Williams, D., 1999. High resolution, interdisciplinary paleoclimatic studies of late Quaternary lacustrine systems in Mongolia. Published abstract, *Mongolian Geoscientist*, Bulletin of the Geological Association of Mongolia, No. 14: 48-50.

King, J., Peck, J., Lacey, E., and Quinn, J., 1999. Habitat mapping, evaluating dredging options and determining environmental quality by sediment studies in Narragansett Bay, *N.E. Geological Society of America,* p. A27.

King, J.W. and Peck, J.A., 1998. Obtaining improved chronology and paleoenvironmental interpretations using magnetic studies of the sediments of large lakes, *EOS*, 79:45, F520.

Kravchinsky, V., Peck, J., Sakai, H., King, J., Nomura, S., Tanaka, A., Kuzmin, M.I., Williams, D., Kawai, T., Paleomagnetic investigations of Lake Baikal sediments and surrounding outcrops, Joint International Symposium on Lake Baikal, Abstract volume p.52, Nov. 5-8, Yokohama, Japan.

Sakai, H., Nomura, S., Kameyama, Y., Horii, M., Kashiwaya, K., Kravchinsky, V., Peck, J., King, J., Tanaka, A., and Kawai, T., Paleomagnetic study and its relation to paleoenvironment at Lake Baikal, Joint International Symposium on Lake Baikal, Abstract volume p.88, Nov. 5-8, Yokohama, Japan.

Karabanov, E., Williams, D., Prokopenko, A., Kuzmin, M., Gelety, V., Kalmychkov, G., Grozdkov, A., Peck, J., and King, J., Climate record of biogenic silica in Lake Baikal sediments

during Brunhes: Comparison with marine isotopic records and Siberian stratigraphic studies, *EOS*, 769:17, 67, 1998.

Peck, J.A., King, J.W., Williams, D.F., Kravchinsky, V.A, and Kuzmin, M.I., A 5 Ma climate proxy record from central Asia: Rock-magnetic results from the 1996 Lake Baikal Drilling Project, *Geological Society of America*, 29:6, Oct, 1997.

Williams, D.F., Peck, J.A., King, J.W., Karabanov, E.B., Prokopenko, A.A., Kravchinsky, V.A, and Kuzmin, M.I., The climate response of continental interior of Asia during the last 5.0 million years: Evidence from Lake Baikal Drilling, *Geological Society of America*, 29:6, 1997.

Karabanov, E.B., Williams, D.F., Prokopenko, A.A., Peck, J., King, J., Kuzmin, M.I., Kalmuchkov, G., Gvozdkov, A., Chyrsevich, G.I., Rapid changes of climate in central Asia during the last 450 kyr, *Geological Society of America*, 29:6, 1997.

King, J.W., Peck, J.A., Kravchinsky, V.A, Kuzmin, M.I., and Williams, D.F., Paleomagnetic dating of the 1996 Lake Baikal Drilling Project sediment cores, *Geological Society of America*, 29:6, 1997.

Peck, J.A., King, J.W., Kravchinsky, V.A, Kuzmin, M.I., and Williams, D.F., Lake Baikal Drilling Project 1996: Initial Paleomagnetic and rock-magnetic results, *EOS*, 78:17, 115, 1997.

Peck, J.A., King, J.W., and Kravchinsky, V.A, Rock-magnetic signature reflects late Quaternary changes in the Lake Baikal watershed, *EOS*, 77:17, 88, May, 1996.

Peck, J.A., King, J.W., Colman, S.M., and Kravchinsky, V.A, The sedimentary environmental magnetic record of Lake Baikal, Russia, Geological Society of America, 27:6, 1995.

Colman, S.M., Carter, S.J., Peck, J.A., King, J.W., Karabanov, E.B., Williams, D.F., The last 250,000 years of continental climate and diatom productivity at Lake Baikal, Siberia, Geological Society of America, 27:6, 1995.

Peck, J.A., King, J.W., Colman, S.M., and Kravchinsky, V.A., Paleomagnetic secular variation and relative paleointensity records from sediments of Lake Baikal, Siberia, *EOS*, 75:16, 119, 1994.

Roman, C.T., Peck, J.A., Allen, J.R., and King, J.W., Inlet migration and variability in salt marsh sedimentation rates, Nauset Marsh, Massachusetts, *12th Biennial International Estuarine Research Conference*, 1993.

Peck, J.A., King, J.W. and Kravchinsky, V.A., Lake Baikal drilling project: Initial paleomagnetic and rock-magnetic results, *Geological Society of America*, 25:6, 60, 1993.

Peck, J.A., King, J.W. and Kravchinsky, V.A., Lake Baikal drilling project: Progress report on the paleomagnetic and rock-magnetic results of the Hole 1 pilot study, Irkutsk, Russia, 1993 (See Geotimes June 1994, p. 7-8 for review of my talk).

Peck, J.A. and King, J.W., Late Quaternary paleoclimate reconstruction for Lake Baikal, Siberia using rock magnetic techniques, *EOS*, 74:16, 116, 1993.

Peck, J.A., Transgressive estuarine stratigraphies: Evidence from Narragansett Bay, Rhode Island, *Geological Society of America, Northeast Section*, 24:3, 67, 1992.

Other

Peck, J.A., Memorial to Robert L. McMaster, *Geological Soceity of America Memorials*, v. 29, 1998.

Theses

Peck. J.A., An environmental magnetic study of the sediments of Lake Baikal, Russia unpublished Ph.D. Dissertation, University of Rhode Island, Kingston, R.I., 384 pp, 1995.

Peck, J.A., Stratigraphy and geological history of Quaternary sediments in lower West Passage, Narragansett Bay. unpublished MS Thesis, University of Rhode Island, Kingston, R.I., 195 pp, 1989.