Today’s Colloquium
Today’s colloquium will be given by our very own David Nash. To paraphrase, the title of his talk is: “Water, water everywhere, yet to good not to miss”. The talk will be in Braunstein 300 starting with coffee-cocktails at 3:30 pm and followed by refreshments in the Rug Room.

Julia and Frida Defend Next week
Julia Wise is defending her doctorate next Monday, April 25th in room 527. The title of her thesis is: “Towards Understanding Dissolved Organic Carbon Dynamics at the Intersection of Anthropogenic Modifications and Natural Processes in a Dryland River.” Frida Akerstrom will be defending her masters next Tuesday, April 26th at noon in room 527. The title is: "Carbon Cycle-Climate Change Feedbacks of Thawing Permafrost in Arctic Alaskan Lakes: Monitoring Methane Emissions".

Brooke in the Woods
Brooke took a group of students from Geology of the National Parks (GEOL 1024) to Mammoth Cave last weekend. Attached is a photo of a subset of her group that took a hike down to Echo Springs.

GSA Meeting
We had a great turnout at the North-Central Section of GSA in Urbana-Champaign earlier this week. Here some abstract details to give you a flavor of what was presented.

SPATIO-TEMPORAL VARIATIONS IN LAND-SNAIL ASSEMBLAGES RECOVERED FROM A PLEISTOCENE CINDER CONE
BULLARD, Elizabeth M., University of Cincinnati, Department of Geology, 345 Clifton Ct., Cincinnati, OH 45221, YANES, Yurena, Department of Geology, University of Cincinnati, Cincinnati, OH 45221 and MILLER, Arnold I., Department of Geology, Univ of Cincinnati, 500 Geology Physics, Cincinnati, OH 45221-0013, bullarem@mail.uc.edu, bullarem@mail.uc.edu
DOES VEGETATION REMOVAL INFLUENCE BIOAVAILABLE STRONTIUM ISOTOPE RATIOS ($^{87}\text{Sr}/^{86}\text{Sr}$)?

CASTRO, Ian O.¹, CROWLEY, Brooke E.², GOODMAN, Steven M.³ and STRAND, Alaina C.¹,
(1)Department of Geology, University of Cincinnati, 2600 Clifton Avenue, Cincinnati, OH 45220,
(2)Departments of Geology, University of Cincinnati, Cincinnati, OH 45220; Department of Anthropology,
University of Cincinnati, Cincinnati, OH 45220, (3)Field Museum and Association Vahatra, Chicago, IL,
castroio@mail.uc.edu, castroio@mail.uc.edu

WHERE HAVE ALL THE YOUNG RAFINESQUINA GONE? GONE TO TAPHONOMIC PROCESSES EVERY ONE (MOSTLY)

DATTILO, Benjamin, Department of Geosciences, Indiana University Purdue University Fort Wayne,
2101 E. Coliseum Blvd, Fort Wayne, IN 46805-1499, FREEMAN, Rebecca L., Department of Earth &
Environmental Sciences, University of Kentucky, Lexington, KY 40506, PETERS, Winifred S., Biology,
Indiana University Purdue University Fort Wayne, 2101 E Coliseum Blvd, Fort Wayne, IN 46805 and
BRETT, Carlton E., Department of Geology, University of Cincinnati, Cincinnati, OH 45221,
dattilob@ipfw.edu, dattilob@ipfw.edu

REGIONAL-TEMPORAL CHARACTERISTICS OF PALEOZOIC, TRANSGRESSIVE, BASAL BLACK-SHALE DEPOSITS: MODELING DIACHRONOUS ONLAP PROCESSES ON OXYGEN-DEFICIENT, EROSIONAL-CORROSIONAL SUBSTRATES ON LAURENTIA

BAIRD, Gordon C., Department of Geosciences, SUNY College at Fredonia, Fredonia, NY
14063, HANNIBAL, Joseph T., Dept. of Invertebrate Paleontology, Cleveland Museum of Natural History, 1 Wade Oval Drive, Cleveland, OH 44106 and BRETT, Carlton E., Department of Geology,
Univ of Cincinnati, 500 Geology/Physics Bldg, Cincinnati, OH 45221-0013, jhannibal@cmnh.org,
jhannibal@cmnh.org

DID THE SOUTHERN MARGIN OF THE LAURENTIDE ICE SHEET RESPOND TO HEINRICH STADIAL COOLING?

HEATH, Stephanie L. and LOWELL, Thomas V., Department of Geology, University of Cincinnati,
500 Geology/Physics Building, Cincinnati, OH 45221, heathsi@mail.uc.edu, heathsi@mail.uc.edu

LAKE AGASSIZ IS A CONUNDRUM - SHOULD THE CHRONOLOGY BE LIKewise?

LOWELL, Thomas V., Department of Geology, University of Cincinnati, 500 Geology/Physics, Cincinnati, OH 45221, FISHER, Timothy G., Department of Earth, Ecological & Environmental Sciences,
Univ of Toledo, 2801 West Bancroft Rd. MS#604, Toledo, OH 43606-3390 and LEPPER, Kenneth,
Department of Geosciences, North Dakota State University, P.O. Box 6050, Dept. 2745, Fargo, ND 58108-6050, Thomas.Lowell@uc.edu, Thomas.Lowell@uc.edu

A POSSIBLE RECORD OF BOLLING-ALEROD/YOUNGER DRYAS CLIMATE FLUCTUATIONS FROM THE BLACK SEA

MACADAM, Ian, Department of Geology, University of Cincinnati, 2600 Clifton Avenue, Cincinnati,
OH 45220 and ALGEO, Thomas J., Department of Geology, University of Cincinnati, Cincinnati, OH 45221,
macadamj@mail.uc.edu, macadamj@mail.uc.edu

THE INTERACTION BETWEEN CLIMATE AND EROSION IN HIGH ALTITUDE MOUNTAIN ENVIRONMENTS: THE AFFECT OF PRECIPITATION GRADIENTS UPON HEADWALL EROSION IN NORTHERN INDIA, NW HIMALAYA

ORR, Elizabeth, Department of Geology, University of Cincinnati, 500 Geology-Physics Building,
University of Cincinnati, Cincinnati, OH 45220, orreh@mail.uc.edu, orreh@mail.uc.edu

QUATERNARY GLACIATION OF STOK, NORTHERN ZANSKAR RANGE, TRANSHIMALAYA, NORTHERN INDIA

ORR, Elizabeth, Department of Geology, University of Cincinnati, 500 Geology-Physics Building,
University of Cincinnati, Cincinnati, OH 45220, orreh@mail.uc.edu, orreh@mail.uc.edu
MOLLUSK SHELLS OF *PATELLA CRENATA* (GASTROPODA: PATELLIDAE) FROM TENERIFE, CANARY ISLANDS, AS A LOW-LATITUDE PALEOCLIMATIC PROXY

**PARKER, Wesley**1, **YANES, Yurena**1, **SURGE, Donna** and **MESA, Eduardo**1, (1) Department of Geology, University of Cincinnati, Cincinnati, OH 45221, (2) Geological Sciences, University of North Carolina at Chapel Hill, 104 South Road, CB #315, Chapel Hill, NC 27599, (3) Departamento de Prehistoria, Arqueología e Historia Antigua, Universidad de La Laguna, La Laguna, 38200, Spain, Parkerwg@mail.uc.edu, Parkerwg@mail.uc.edu

CONTROLS ON TRACE METAL ENRICHMENT IN EARLY PROTEROZOIC MARINE SEDIMENTS OF BRAZIL AND SOUTH AFRICA

**PARR, Kayla S.**, Department of Geology, University of Cincinnati, Cincinnati, OH 45221, **ALGEO, Thomas J.**, Department of Geology, University of Cincinnati, 500 Geology-Physics Building, University of Cincinnati, Cincinnati, OH 45221-0013 and **BEKKER, Andrey**, Department of Earth Sciences, University of California, Riverside, 900 University Avenue, Riverside, CA 92521, parrks@mail.uc.edu, parrks@mail.uc.edu

THE LATE PENNSYLVIANIAN MIDCONTINENT SEA OF NORTH AMERICA AS AN ESTUARINE NUTRIENT TRAP

**PETERS, Mariah Lynn**, Department of Geology, University of Cincinnati, Cincinnati, OH 45220, **ALGEO, Thomas J.**, Department of Geology, University of Cincinnati, Cincinnati, OH 45221 and **HERRMANN, Achim D.**, Coastal Studies Institute and Department of Geology & Geophysics, Louisiana State University, Baton Rouge, LA 70803, peterm4@mail.uc.edu, peterm4@mail.uc.edu

PALEOBIOLOGY OF AN ENIGMATIC CRINOID (ECHINODERMATA) FROM THE PENNSYLVIANIAN VANPORT LIMESTONE, NORTHEASTERN OHIO

**THOMKA, James R.**, Department of Geosciences, University of Akron, Akron, OH 44325-1901 and **CAMPBELL, Hunter James**, Department of Geosciences, The University of Akron, P.O. Box 265, Millersburg, OH 44654, thomkajr@mail.uc.edu, thomkajr@mail.uc.edu

ANTHROPOGENIC FACTORS CAUSE DETECTABLE COMPOSITIONAL VARIATIONS IN LAND SNAIL DEATH ASSEMBLAGES

**WALL, Alexander F.**, Geology, University of Cincinnati, 500 Geology Physics Building, Cincinnati, OH 45221, **YANES, Yurena**, Department of Geology, University of Cincinnati, Cincinnati, OH 45221 and **MILLER, Arnold I.**, Department of Geology, Univ of Cincinnati, 500 Geology Physics, Cincinnati, OH 45221, alexfwall@gmail.com, alexfwall@gmail.com

SEASONAL VARIABILITY OF THE OXYGEN ISOTOPE COMPOSITION OF THE LAND SNAIL *SPHINCTEROCHILA CANDIDISSIMA*, AN ABUNDANT PALEOCLIMATIC PROXY IN THE MEDITERRANEAN

**YANES, Yurena**, Department of Geology, University of Cincinnati, Cincinnati, OH 45221 and **FERNANDEZ-LOPEZ DE PABLO, Javier**, Institut Català de Paleoecologia Humana i Evolució Social, C/ Escolar, s/n., Tarragona, 43003, Spain, yanesya@ucmail.uc.edu, yanesya@ucmail.uc.edu

A COMPREHENSIVE LOOK AT THE LATE ORDOVICIAN (KATIAN) UPPER LEXINGTON EQUIVALENTS OF EASTERN OHIO: DIFFERENTIATING THE UTICA – PT. PLEASANT SYSTEM

**YOUNG, Allison L.**1, **BRETT, Carlton**1, **ALGEO, Thomas J.**2, **HOLTERHOFF, Peter F.** and **MCCLAUGHLIN, Patrick I.**1, (1) Geology, University of Cincinnati, 500 GeoPhys, Cincinnati, OH 45221, (2) Department of Geology, University of Cincinnati, Cincinnati, OH 45221, (3) Hess Corporation, 1501 McKinney, Houston, TX 77010, (4) Indiana Geological Survey, Indiana University, 611 N. Walnut Grove, Bloomington, IN 47405, younga9@mail.uc.edu, younga9@mail.uc.edu

GENESIS OF CRYOGENIAN DATANGPO MANGANESE DEPOSIT: HYDROTHERMAL METAL INPUTS AND EPISODIC POST-GLACIAL VENTILATION OF NANHUA BASIN, SOUTH CHINA

**YU, Wenchao**, School of Earth Sciences, China University of Geosciences (Wuhan), 388 Lumo Road, Wuhan, 430074, China; Department of Geology, University of Cincinnati, 2212 Wheeler St. Apt.2, Cincinnati, OH 45219, **ALGEO, Thomas J.**, Department of Geology, University of Cincinnati, 500
LITHOSTRATIGRAPHIC REVISION UTILIZING PORTABLE XRF ANALYSIS: A CASE STUDY USING THE DEVONIAN MILWAUKEE FORMATION

ZAMBITO IV, James, Wisconsin Geological Survey, University of Wisconsin - Extension, 3817 Mineral Point Rd, Madison, WI 53705, MCLAUGHLIN, Patrick L., Indiana Geological Survey, Indiana University, 611 N. Walnut Grove, Bloomington, IN 47405, DAY, James, Geography & Geology, Illinois State University, Normal, IL 61790-4400 and EMSBO, Poul, USGS, P.O. Box 25046, MS 973, Denver Federal Center, Denver, CO 80225, jay.zambito@wgsnhs.uwex.edu, jay.zambito@wgsnhs.uwex.edu

Josh’s News

A video short about Josh’s work in the Arctic was recently published by National Geographic (as part of their “Best Job Ever” web series):

Thursday, May 5, Josh will be giving a talk at the Cincinnati Museum Center as part of a celebration of the centennial of our National Parks. There will be a meet-and-great (5:30), followed by a showing of the "National Parks Adventure" OMNIMAX film (6:30), followed by his lecture (7:30), see:
http://www.cincymuseum.org/content/insights-lecture-series

Tickets: $7 Members, $10 Non-Members. Purchase tickets at: https://tickets.cincymuseum.org/e-commerce/ItemList.aspx?node_id=2011875 or call (513) 287-7001

New Grant

Congratulations to Tim Paton who received a grant of $700 from the Dry Dredgers Paul Sanders Graduate Research Fund for his research on Upper Ordovician hardgrounds in southern Ontario, Canada.

KGS Annual Seminar

The KGS annual seminar is on Friday, May 13, at their Well Sample and Core Library. The theme this year is “Navigating the New Energy Landscape in Kentucky”. They have added a detailed agenda at:

www.uky.edu/KGS/announce/2016%20announcement%20E.pdf

If you plan to attend this free event, please send an RSVP to mike.lynch@uky.edu, or call (859) 323-0561.
Eastern Section of AAPG in Lexington

Last Call!!

Call for Papers

Abstract deadline, May 20

The 2016 Eastern Section meeting dates, September 25-27, are quickly approaching! And so is the abstract deadline for papers to present at the meeting.

Participants are encouraged to present a paper, and below are suggested broad topical areas to consider.

- Current exploration and development of conventional reservoirs
- Devonian shale exploration and development
- Utica/Point Pleasant exploration and development
- Coal and energy minerals
- Organic Petrology: Source rocks through time, Precambrian to recent
- Reemerging plays: New looks at older fields
- Shallow well horizontal drilling techniques and results
- Innovations in drilling and completion technologies
- Waste disposal and water quality issues
- Structural geology and tectonic effects on reservoirs
- Geophysics: seismic, remote sensing, LiDAR, induced seismicity, potential fields
- Geologic carbon storage: New research and opportunities
- Government: Oil and gas regulation and policy
- Student-based research (undergraduate and graduate)

Submit abstracts at this web site: [http://geo.gl/Ea6JnE](http://geo.gl/Ea6JnE)

Questions? Contact John Hickman, 859-323-0541 or jhickman@uky.edu


New Papers

Check out the new papers published this week:


Please keep sending me your news.

Cheers,

Lewis