The recipient of the 2014 Austin A. Sartin Best Poster Award is Megan Flansburg. Megan is a member of Delta Alpha Chapter at the College of William & Mary in Williamsburg, VA. Her winning research poster was PRIMING FOR SUPERERUPTION: THE HOT PRE-PEACH SPRING TUFF LAVA FLOWS AND PEACH SPRING TUFF MAFIC ENCLAVES, BLACK MOUNTAINS, ARIZONA. One of her co-authors, Warner Cribb, serves as advisor for Eta Sigma Chapter at Middle Tennessee State University.
2014 National Council Best Poster Award

The recipient of the 2014 National Council Best Poster Award is Emily Lubicich. She is a member of Theta Beta. Her coauthors Tristan Craddock and Andres Werkhoven are both active Theta Beta members and Dr. Vollmer is their chapter advisor. Their poster was titled EVIDENCE FROM JOINT SETS AND SHEAR ZONES IN EASTERN NEW YORK FOR TWO OROGENIC EVENTS AND THE WESTWARD DISPLACEMENT OF THE CATSKILL MOUNTAINS ALONG A DECOLLEMENT.
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208-2  46 NUTRIENT DYNAMICS IN A STORMWATER MANAGEMENT COMPLEX AT GRAND VALLEY STATE UNIVERSITY, ALLENDALE, MICHIGAN
BRADY, Ashley, Geology, Grand Valley State University, 1 Campus Drive, Padnos 118, Allendale, MI 49401, bradyash@mail.gvsu.edu, KNEESHAW, Tara, Geology Department, Grand Valley State University, Allendale, MI 49401, and WAMPLER, Peter J., Geology Department, Grand Valley State University, 1 Campus Drive, Allendale, MI 49401

208-3  47 DYNAMICS OF DESTABILIZATION: PUMICEOUS EVIDENCE OF REHEATED, REMelTED, AND REMOBILIZED CUMULATE FROM THE BASE OF A SUPERVOLCANO MAGMA CHAMBER
FOLEY, Michelle L., Geography & Geology, Western Kentucky University, Bowling Green, KY 42101, michelle.foley229@topper.wku.edu, MILLER, C.F., Department of Earth and Environmental Sciences, Vanderbilt University, Nashville, TN 37235, WULFF, Andrew H., Geography and Geology, Western Kentucky University, 1906 College Heights Blvd. #31066, Bowling Green, KY 42101-1066, MCDOWELL, Susanne M., Earth and Environmental Sciences, Vanderbilt University, Nashville, TN 37235, and COVEY, Aaron K., Dept. of Earth and Environmental Sciences, Vanderbilt University, Nashville, TN 37235

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HEINRICH, Catherine, Geology, St. Lawrence University, 23 Romoda Dr, Canton, NY 13617, cehoin11@stlawu.edu, STEWART, Alexander K., Department of Geology, St. Lawrence University, Canton, NY 13617, and HUBBARD, Trent D., Alaska Division of Geological & Geophysical Surveys, 3354 College Road, Fairbanks, AK 99709

208-5  49 VOLUMINOUS INTERMEDIATE, EFFUSIVE MAGMATISM IN THE BLACK MOUNTAINS, AZ, PRECEDING THE PEACH SPRING SUPERERUPTION, AND EVALUATION OF ITS POTENTIAL RELATIONSHIP TO THE SUPERVOLCANO MAGMA CHAMBER
RICE, Stacey A., Geosciences, Stony Brook University, Stony Brook, NY 11794, stacey.rice@stonybrook.edu, CLAIBORNE, Lily L., Earth and Environmental Sciences, Vanderbilt University, Nashville, TN 37235, RENTZ, Shannon P., Geosciences, Middle Tennessee State University, Murfreesboro, TN 37132, and CRIBB, J. Warner, Geosciences, Middle Tennessee State Univ, PO Box 9, Murfreesboro, TN 37132
208-6  50 POROSITY ANALYSIS OF DEFORMATION BANDS IN SANDSTONES AND CONGLOMERATES FROM HILLSDALE CANYON, SOUTHERN UTAH
SKANKEY, Robert, Physical Science, Southern Utah University, 364 North 4250 West, Cedar City, UT 84720, robertskankey@gmail.com and MACLEAN, John S., Geology, Southern Utah University, SC 309, 351 West University Boulevard, Cedar City, UT 84720

208-7  51 SPATIAL AND TEMPORAL DISTRIBUTION OF POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) WITHIN SEDIMENT AND FISH TISSUE OF THE LOWER CHESAPEAKE BAY BASIN, USA
COLEMAN, Katherine L., ODHIAMBO, Ben K., SHARPLESS, Charles M., COXON, Taylor M., WIELAND, Werner, and BUNCH, Aaron J., (1) Earth and Environmental Sciences, University of Mary Washington, 1301 College Avenue, Fredericksburg, VA 22401, kcolema2@mail.umw.edu, (2) Department of Chemistry, University of Mary Washington, 1301 College Ave, Jepson Science Center, Fredericksburg, VA 22401, (3) Department of Biological Sciences, University of Mary Washington, 1301 College Avenue, Fredericksburg, VA 22401, (4) Virginia Department of Game and Inland Fisheries, 3801 John Tyler Memorial Highway, Charles City, VA 23030

208-8  52 A NOVEL METHOD FOR DETECTING PHARMACEUTICALS IN SURFACE WATERS, CENTRAL ARKANSAS, USA
JOHNSON, Morgan E., MCMILLAN, Margaret E., WOODLING, Kellie, and GAMBOA DA COSTA, Goncalo, (1) Department of Earth Sciences, University of Arkansas at Little Rock, 2801 S. University Avenue, Little Rock, AR 72204, mejohnson1@ualr.edu, (2) Division of Biochemical Toxicology, National Center for Toxicological Research, 3900 NCTR Road, Jefferson, AR 72079

208-9  53 INVESTIGATION OF A PRE-SUPERERUPTION IGNIMBRITE: PETROLOGY OF THE MIocene COOK CANYON tUFF, BLACK MOUNTAINs, ARIZONA
PRATT, Ricky Daniel, CLAIBORNE, Lily L., MILLER, Calvin F., FERGUSON, Charles A., CRIBB, J. Warner, and SZRAMEK, Lindsay A., (1) Geosciences, Austin Peay State University, Clarksville, TN 37042, rpratt3@my.apsu.edu, (2) Earth and Environmental Sciences, Vanderbilt University, Nashville, TN 37235, (3) Arizona Geological Survey, 416 West Congress, Suite 100, Tucson, AZ 85719, (4) Geosciences, Middle Tennessee State Univ, Murfreesboro, TN 37132

208-10  54 TROPICAL SHALLOW-MARINE CARBONATE- SİLICICLASTIC DEPOSITIONAL ENVIRONMENT OF THE LITTLE LAUGHLANDS BAY, JAMAICA
MILLER, John D., Geology Department, St. Lawrence University, 23 Romoda Dr, Canton, NY 13617, jdmill12@stlawu.edu, HUSINEC, Antun, Geology Department, St. Lawrence University, 23 Romoda Drive, Canton, NY 13617, and MURPHY, John T. Jr, PetroTechnical Services, Schlumberger, 5080 California Ave, Suite 400, Bakersfield, CA 93309
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HARVEY, Kayleigh M., HAVENS, Kaitlyn Pospiech, and LINCOLN, Timothy N., Department of Geological Sciences, Albion College, 611 E Porter St, Albion, MI 49224, kmh12@albion.edu

REPORT OF AN ONGOING INVESTIGATION INTO THE DEVELOPMENT OF DISSOLUTION VOIDS IN PETROCALCIC MATERIALS AT MORMON MESA, NEVADA

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PRIMING FOR SUPERERUPTION: THE HOT PRE-PEACH SPRING TUFF LAVA FLOWS AND PEACH SPRING TUFF MAFIC ENCLAVES, BLACK MOUNTAINS, ARIZONA

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REMOTELY-SENSED DISTRIBUTION OF THE MIOCENE-AGED PEACH SPRING TUFF SUPERERUPTION DEPOSIT IN THE SOUTHERN BLACK MOUNTAINS OF NW AZ

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WEISBERG, Wesley R.¹, METCALF, James R.², and FLOWERS, Rebecca M.², (1) Geography, Geology, and Planning Department, Missouri State University, 901 S. National Ave, Springfield, MO 65897, wes4891@live.missouristate.edu, (2) Department of Geological Sciences, University of Colorado, Campus Box 399, 2200 Colorado Ave, Boulder, CO 80309

FRACTURE ORIENTATION AND STRUCTURAL ANALYSIS OF THE CHAUMONT LIMESTONE

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TECTONIC SIGNIFICANCE OF MYLONITES IN THE LITTLE BUCKSKIN MOUNTAINS, WEST-CENTRAL ARIZONA: INSIGHTS FROM QUARTZ MICROSTRUCTURAL DATA

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USING SCANNING ELECTRON MICROSCOPY TO CATALOG MINERALS FROM THE TRANS-PECOS MAGMATIC PROVINCE

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FACIES STACKING PATTERN WITHIN THE ORDOVICIAN RED RIVER FORMATION, WILLISTON BASIN: A CASE STUDY FROM EASTERN NORTH DAKOTA

HUSINEC, Antun and BARNES, Joseph P., Geology Department, St. Lawrence University, 23 Romoda Drive, Canton, NY 13617, jpbarn11@stlawu.edu
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COLAIANNE, Nicholas J.¹, BARRETTE, Andrew J.¹, WAMPLER, Peter J.², and
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WATER CHEMISTRY OF A HEMLOCK FOREST IN THE ROBERT V.
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NGUYEN, Thu A., Geology and Geophysics, Texas A&M University at College Station,
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PETTIT, Bridget S., Geological Sciences, The University of Texas at Austin, 7 Las Flores,
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FOSSIL CORAL FROM THE MISSISSIPPIAN REDWALL LIMESTONE IN THE
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MCLEMORE, Devin M., Physical Science, Southern Utah University, 351 W. University Blvd,
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Science, Southern Utah University, Cedar City, UT 84720
NEW U-PB ZIRCON AGES FROM PLUTONS OF THE MT. WADDINGTON REGION, SOUTHERN COAST MOUNTAINS BATHOLITH, BRITISH COLUMBIA

CHISOM, Charles1, CECIL, M. Robinson2, RUSMORE, Margaret E.3, and WOODSWORTH, Glenn J.3, (1) Geology, Occidental College, Los Angeles, CA 90041, chisom@oxy.edu, (2) Department of Geological Sciences, California State University Northridge, 18111 Nordhoff St, Northridge, CA 91130-8266, (3) Geol Survey of Canada, 101-605 Robson St, Vancouver, BC V6B 5J3

DESCRIPTION OF A GARNET-BEARING GRANOFELS FOUND AT WEST CHICAGO CREEK, COLORADO

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PATHWAYS OF NITRATE INTO THE KALAMAZOO RIVER: A PHYSICAL, CHEMICAL AND MICROBIOLOGICAL STUDY

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A TEXTURAL AND GEOCHEMICAL ANALYSIS OF GOAT ROCK DOME XENOLITHS

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SYNEXTENSIONAL SEDIMENTATION IN THE HANGING WALL OF THE BUCKSKIN DETACHMENT FAULT, WEST-CENTRAL ARIZONA: EVIDENCE FOR ACCELERATED EXTENSION RATES IN THE MIDDLE MIocene?

HATFIELD, Marques E.1, SINGLETON, John2, BIRD, Emily2, and PRIOR, Michael G.3, (1) George Mason University, 10483 Malone Court, Fairfax, VA 22032, marques.hatfield@gmail.com, (2) Atmospheric, Oceanic, and Earth Sciences, George Mason University, 4400 University Drive, Mail Stop 5F2, Fairfax, VA 22030, (3) Jackson School of Geosciences, University of Texas at Austin, Jackson School of Geosciences1 University Station C9000, Austin, TX 78712-0254

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EUKER, Brandon C.1, LAW, Stacey E.1, MEIERDIERCKS, Kathleen Anne1, BAEDKE, Steve J.2, LESLIE, Stephen A.3, and HERRMANN, Achim D.4, (1) Department of Geology and Environmental Science, James Madison University, Harrisonburg, VA 22807, eukerbc@dukes.jmu.edu, (2) Department of Geology and Environmental Science, James Madison University, MSC 6903, Harrisonburg, VA 22807, (3) Geology and Environmental Sciences, James Madison University, MSC 6903, Harrisonburg, VA 22807, (4) Geology & Geophysics, Louisiana State University, Baton Rouge, LA 70803

SEASONAL CHLORIDE BEHAVIOR IN THE GREAT MIAMI RIVER, OHIO

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A SCHEME FOR EVALUATING THE IMPACT OF DEVELOPMENT ON THE GEOMORPHIC AND ECOLOGIC PROCESSES OF LAKE MICHIGAN’S COASTAL DUNES

PLOWMAN, Jacquelyn K.1, DEVRIES-ZIMMERMAN, Suzanne J.1, DAVIS, Charles F. III2, and HANSEN, Edward C.1, (1) Geological and Environmental Sciences Department, Hope College, 35 E. 12th Street, Holland, MI 49423, jackie.plowman@hope.edu, (2) Davis Associates Architects & Consultants, Inc, 53 West Jackson Boulevard, Chicago, IL 60604

THE HARPETH RIVER FAULT ZONE, CENTRAL TENNESSEE

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REVEALING THE HIDDEN PAST OF LEGACY SEDIMENTS FROM MIDDLE CREEK LAKE, SELINSGROVE, PA

SEAMAN, Kyle A., ELICK, Jennifer M., and HOLT, Jack R., Earth and Environmental Sciences, Susquehanna University, 514 University Avenue, Natural Sciences Center 111C, Selinsgrove, PA 17870, seaman@susqu.edu
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**SAUP, Casey.** School of Earth Sciences, The Ohio State University, 2915 Honeysuckle Lane, Hilliard, OH 43026, saup.4@osu.edu, GROTTOLI, Andréa, School of Earth Sciences, The Ohio State University, 125 South Oval Mall, Columbus, OH 43210, FERRIER-PAGÉS, Christine, Centre Scientifique de Monaco, 8 Quai Antoine Ier, Mc, 98000, Monaco, and MATSUI, Yohei, School of Earth Sciences, The Ohio State University, 275 Mendenhall Laboratory, 125 South Oval Mall, Columbus, OH 43210

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**WILSON, Elizabeth L.**, BRESLIN, Kyle D., MARVELLE, Keith A., THACKER, Tyler N., FORTNER, Sarah K., and RITTER, John B., (1) Environmental Science, Wittenberg University, Springfield, OH 45501, s14.ewilson@wittenberg.edu, (2) Geology, Wittenberg University, P.O. Box 720, Springfield, OH 45501

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**BIRD, Emily**, SINGLETON, John, and HATFIELD, Marques E., (1) Atmospheric, Oceanic, and Earth Sciences, George Mason University, 4400 University Drive, Mail Stop 5F2, Fairfax, VA 22030, ejenkin4@gmu.edu, (2) Atmospheric, Oceanic, and Earth Sciences, George Mason University, 4400 University Dr, Fairfax, VA 22030

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**CAYLOR, Sofia**, Biological, Geological and Physical Sciences, Sul Ross State Universit, Box C-139, SRSU, Alpine, TX 79830, sofia.caylor@gmail.com and URBANCZYK, Kevin M., Department of Biological, Geological and Physical Sciences, Sul Ross State Univ, Box C-139, Alpine, TX 79832

208-43  87 POTENTIAL INFLUENCE OF CLIMATE ON FLOOD RECURRENCE IN THE WINOOSKI RIVER WATERSHED, VERMONT  
**BARNEY, Grant** and NOLL, Mark R., Department of the Earth Sciences, SUNY College at Brockport, 350 New Campus Dr, Brockport, NY 14420, gbar1@brockport.edu

208-44  88 INFLUENCE OF PRECIPITATION PATTERNS ON SURFACE WATER AND GROUNDWATER IN THE SANDY CREEK WATERSHED, NEW YORK  
**FRANCIS, Skylar J.** and NOLL, Mark R., Department of the Earth Sciences, SUNY College at Brockport, 350 New Campus Dr, Brockport, NY 14420, sfran5@u.brockport.edu

208-45  89 EVIDENCE FROM JOINT SETS AND SHEAR ZONES IN EASTERN NEW YORK FOR TWO OROGENIC EVENTS AND THE WESTWARD DISPLACEMENT OF THE CATSKILL MOUNTAINS ALONG A DECOLLEMENT  
**LUBICICH, Emily J.**, CRADDOCK, Tristan, WERKHOVEN, Andres R., and VOLLMER, Frederick W., Geology Department, SUNY New Paltz, 1 Hawk Drive, New Paltz, NY 12561, e.lubicich@gmail.com
DEVELOPMENT OF A RAPID FIELD-PORTABLE SOIL PHOSPHORUS ANALYSIS METHOD AND APPLICATION TO ARCHAEOLOGICAL SITES

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EVALUATION OF FLOOD RECURRENCE IN THE CHEMUNG RIVER WATERSHED, NEW YORK

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PROVENANCE OF LATE JURASSIC TO LATE CRETACEOUS SANDSTONES IN SOUTHWEST OREGON

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CO₂ FLUX FROM A SINGLE MAPPED SOIL UNIT UNDER DIFFERENT MANAGEMENT PRACTICES

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VARIATIONS IN GROUNDWATER AND SURFACE WATER CHEMISTRY IN THE SANDY CREEK (NY) WATERSHED: NATURAL OR ANTHROPOGENIC IMPACTS

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DISSOLUTION OF TREMOLITE BY ARTIFICIAL LYSOSOMAL FLUIDS

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INVESTIGATION OF SUBFOSSIL TREES AT IRELY LAKE, OLYMPIC NATIONAL PARK, WASHINGTON, USA

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