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Sigma Gamma Epsilon Undergraduate Research Poster Session

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The Sigma Gamma Epsilon undergraduate research poster session will highlight recent and ongoing student research. Abstracts for poster presentations listed below will be available in the Geological Society of America Abstracts with Programs.

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<td>CIRONE, Ashley M., SMITH, Jacqueline A., JOHNSON, Bradley G., and DIEMER, John A.</td>
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<td>THAKKAR, Kavita, BROCK-HON, Amy L.</td>
<td>Department of Physics, Geology and Astronomy, University of Tennessee at Chattanooga, Chattanooga, TN 37403, <a href="mailto:ptc531@mocs.utc.edu">ptc531@mocs.utc.edu</a> and Department of Physics, Geology and Astronomy, University of Tennessee at Chattanooga, 615 McCallie Avenue, Chattanooga, TN 37403</td>
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SHELL DECAY RATES OF FRESHWATER MUSSELS: INSIGHTS FOR SPECIES CONSERVATION: PIGG, Andy Austin, University of Tennessee Knoxville, 1412 Circle Drive, Knoxville, TN 37996-1410, apigg@utk.edu, MCKINNEY, Michael L., Earth and Planetary Science, The University of Tennessee, 306 Earth and Planetary Sciences Building, Knoxville, TN 37996-1410, and MINCY, Grant, Geology Department, University of Tennessee, Knoxville, TN 37916

SOIL COMPACTION AT BONNAROO MUSIC AND ARTS FESTIVAL, MANCHESTER, TN: LEDOUX, St. Thomas Majeau, Earth and Planetary Sciences, University of Tennessee, Knoxville, 1605 Fremont Place, Apt 2, Knoxville, TN 37917, sleducx@utk.edu

EFFECTIVENESS OF BEST MANAGEMENT PRACTICES IN IMPROVING WATER QUALITY AND STREAM MORPHOLOGY ON CATTLE FARMS IN CENTRAL VIRGINIA: MACKLIN, Katherine M. and AMBERS, Rebecca K.R., Dept. of Environmental Studies, Sweet Briar College, 134 Chapel Rd, Sweet Briar, VA 24595, macklin13@sbc.edu

POSITIVE CARBON ISOTOPE SHIFT IN THE MIDDLE TO LATE ORDOVICIAN: NO LINK WITH SEA LEVEL?: TRIGG, Cody, School of Earth Sciences, The Ohio State University, Columbus, OH 43210, trigg.18@osu.edu, SALTZMAN, Matthew R., School of Earth Sciences, The Ohio State University, 275 Mendenhall Laboratory, 125 South Oval Mall, Columbus, OH 43210, CARLUCCI, Jesse R., Department of Geosciences, Midwestern State University, Wichita Falls, TX 76308, WESTROP, Stephen R., Oklahoma Museum of Natural History and School of Geology & Geophysics, Univ of Oklahoma, Norman, OK 73072, LESLIE, Stephen A., Department of Geology and Environmental Sciences, James Madison University, MSC 6903, Harrisonburg, VA 22807, YOUNG, Seth A., Department of Geological Sciences, Indiana University, Bloomington, IN 47405, BERGSTROM, Stig M., School of Earth Sciences, The Ohio State University, Columbus, OH 43210-1308, SEDLACEK, Alexa R.C., School of Earth Sciences, The Ohio State University, 275 Mendenhall Laboratory, 125 S. Oval Mall, Columbus, OH 43210, and EDWARDS, Cole T., Earth Sciences, The Ohio State University, 275 Mendenhall Laboratory, 125 South Oval Mall, Columbus, OH 43210

EVALUATING ANTHROPOGENIC IMPACT ON WATER QUALITY OF OHIO RIVERS OVER TIME: DAILEY, Kelsey R., School of Earth Sciences, The Ohio State University, 275 Mendenhall Laboratory, 125 South Oval Mall, Columbus, OH 43210, dailey.154@osu.edu and LYONS, W. Berry, Byrd Polar Research Center and School of Earth Sciences, The Ohio State University, Columbus, OH 43210

ECOSYSTEM DYNAMICS IN AN EXTREME ENVIRONMENT: LAKE FRYXELL, TAYLOR VALLEY, ANTARCTICA: RYTEL, Alex L., 1574 Worthington St, Columbus, OH 43201, rytel.4@osu.edu, HERBEI, Radu, Department of Statistics, The Ohio State University, Columbus, OH 43210, LYONS, W. Berry, Byrd Polar Research Center and School of Earth Sciences, The Ohio State University, Columbus, OH 43210, PRISCU, John C., Department of Land Resources and Environmental Sciences, Montana State University, P.O. Box 173120, Bozeman, MT 59717-3120, and MCKNIGHT, Diane M., Institute for Arctic and Alpine Research, Univ. of Colorado, 1560 30th Street, Boulder, CO 80309

REMEDIATION OF AQUIFERS WITH OXIDANT BEARING SODIUM SILICATE SOLUTIONS/GELS: COTTER, Zachary MK¹, SOLPUKER, U.¹, and SCHWARTZ, F.W.², (1) School of Earth Sciences, The Ohio State University, 125 South Oval Mall, 275 Mendenhall Laboratory, Columbus, OH 43210, Cotter.66@buckeyemail.osu.edu, (2) School Earth Sciences, The Ohio State University, 125 S. Oval Mall, Columbus, OH 43210

AN INQUIRY INTO THE EVOLUTION AND SEDIMENTS OF CAVES ALONG THE SCIOTO RIVER: PARKER, Eric M., Earth Science, The Ohio State University, 439 Yearling Drive, Berea, OH 44017, parker.807@osu.edu
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<td>AGREDANO, Elizabeth, Department of Geological Sciences, California State University, Fullerton, 800 N. State College Blvd, Fullerton, CA 92831, <a href="mailto:elizabethagredano@csu.fullerton.edu">elizabethagredano@csu.fullerton.edu</a>, WOODS, Adam D., Department of Geological Sciences, California State University, Fullerton, 800 N. State College Blvd, Fullerton, CA 92834-6850, ZONNEVELD, J.-P., Department of Earth and Atmospheric Sciences, University of Alberta, Edmonton, AB T6G 2E3, Canada, and BEATTY, Tyler W., Department of Geosciences, University of Calgary, 2500 University Drive N.W, Calgary, AB T2N 1N4</td>
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<td>HOLLIS, Natalie, Department of Geological Sciences, California State University, Fullerton, 800 North State College Blvd, Fullerton, CA 92834-6850, <a href="mailto:nhollis@csu.fullerton.edu">nhollis@csu.fullerton.edu</a>,GEVEDON, Michelle L., Geological Sciences, California State University Fullerton, 800 N. State College Blvd, Fullerton, CA 92834, and CLEMENS-KNOTT, Diane, Department of Geological Sciences, California State University, Fullerton, CA 92834</td>
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<td>BURKET, S. Bekah, WANAMAKER, Alan D. Jr*, and SIMPKINS, William W.*, (1) Stetson University, 421 N Woodland Blvd, DeLand, FL 32723, <a href="mailto:bekahburket@gmail.com">bekahburket@gmail.com</a>, (2) Department of Geological and Atmospheric Sciences, Iowa State University, 253 Science I, Ames, IA 50011-3212</td>
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<td>MUSTAIN, Monica, Illinois State University, Normal, IL 61761, <a href="mailto:mrmusta@ilstu.edu">mrmusta@ilstu.edu</a>, VAUGHAN, Angus A., Department of Geology, Carleton College, 300 North College Street, Northfield, MN 55057, SWANSON-HYSELL, Nicholas L., Institute for Rock Magnetism, University of Minnesota, Department of Earth Sciences, 100 Union Street SE, Minneapolis, MN 55455, and FEINBERG, Joshua, Institute for Rock Magnetism, University of Minnesota, Department of Geology and Geophysics, 310 Pillsbury Drive SE, Minneapolis, MN 55455</td>
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<td>STECKER, E.C., Department of Physical Sciences, Kutztown University, Kutztown, PA 19530, <a href="mailto:este453@live.kutztown.edu">este453@live.kutztown.edu</a> and TINDALL, Sarah, Department of Physical Sciences, Kutztown Univ, Kutztown, PA 19530</td>
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<td>LESLIE, Caitlin E., Geology, Grand Valley State University, 1 Campus Drive, Allendale, MI 49401, <a href="mailto:leslieca@mail.gvsu.edu">leslieca@mail.gvsu.edu</a>, WEBER, John, Geology, Grand Valley State University, 1 Campus Drive, PAD 118, Allendale, MI 49401, WAMPLER, Peter J., Geology Department, Grand Valley State University, 1 Campus Drive, Allendale, MI 49401, and ALIYEVA, Elmira, Geology, Geology Institute of Azerbaijan National Academy of Sciences, Baku, AZ1000, Azerbaijan</td>
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<td>CASTEEL, Amanda M., Earth and Environmental Sciences, Lehigh University, 1 West Packer Ave, Bethlehem, PA 18015, <a href="mailto:amc413@lehigh.edu">amc413@lehigh.edu</a>, PETERS, Stephen C., Earth and Environmental Sciences, Lehigh University, 1 W Packer Ave, Bethlehem, PA 18015, and BLAKE, Johanna M.T., Earth and Environmental Sciences, Lehigh University, 1 W. Packer Ave, Bethlehem, PA 18015</td>
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Golden, CO 80401

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IL 60187, kaitlyn.wallett@my.wheaton.edu
CARBON AND OXYGEN ISOTOPE EVIDENCE FOR THE ORIGIN OF LATE-KINEMATIC CARBONATE VEINS IN PROTEROZOIC METABASALTIC ROCKS, EASTERN BLACK HILLS, SD: GATES, Christopher H., WEBB, Forrest C., and GREENBERG, Jeffrey K., (1) Geology and Environmental Science, Wheaton College, Wheaton, IL 60187, chris.gates@my.wheaton.edu, (2) Geology, Univ. of Kentucky, Lexington, KY 40536

GIS WATERSHED ANALYSIS FOR EROSION CONTROL OF UPPER LA BAIE DES MOUSTIQUES, NORTHWEST HAITI: WRIGHT, J. Toby, MEADOWS, Derek, KISHKUNAS, Kaitlyn M., and GREENBERG, Jeffrey K., Geology and Environmental Science, Wheaton College, Wheaton, IL 60187, toby.wright@my.wheaton.edu

GLACIOCHEMISTRY OF A SHALLOW ICE CORE FROM THE WEST ANTARCTIC ICE SHEET: SOURCES AND IMPLICATIONS: THOMPSON, Lauren M., Chemistry, Wheaton College (MA), Norton, MA 02766, lmthompson9@gmail.com, EVANS, Matthew J., Chemistry Department, Wheaton College, Norton, MA 02766, FREY, Karen, Geography, Clark University, Worcester, MA 01610, and DAS, Sarah, Woods Hole Oceanographic Institution, Woods Hole, MA 02543

DETERMINING DEPOSITIONAL HETEROGENEITY THROUGH CLAY MINERALOGY AND PARTICLE SIZE ANALYSIS OF AN EARLY MIocene PALEO-FOREST PAElosol, HIWEGI FORMATION, RUSINGA ISLAND, KENYA: HORNER, William H., MICHEL, Lauren A., PEPPER, Daniel J., DRIESE, Steven, MCNULTY, Kieran P., LEHMANN, Thomas, DUNSWORTH, Holly M., and HARCOURT-SMITH, William E.H., (1) Department of Geology, Baylor University, One Bear Place #97354, Waco, TX 76798-7354, W_Horner@baylor.edu, (2) Department of Anthropology, University of Minnesota, 395 Hubert H. Humphrey Center, 301 19th Avenue South, Minneapolis, MN 55455, (3) Abteilung Paläoanthropologie und Messelforschung, Forschungsinstitut und Naturmuseum Senckenberg, Senckenberganlage 25, Frankfurt, D-60325, Germany, (4) Department of Sociology and Anthropology, University of Rhode Island, 507 Chafee Building, 10 Chafee Road, Kingston, RI 02881, (5) Department of Vertebrate Paleontology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024

MAGNETOSTRATIGRAPHY OF THE EARLY MIocene HIWEGI FORMATION (RUSINGA ISLAND, LAKE VICTORIA, KENYA: MCCOLLUM, Mark Samson, Geology, Baylor University, 2220 S 2nd St, Waco, TX 76706, mark_mccollum@baylor.edu, PEPPER, Daniel J., Department of Geology, Baylor University, One Bear Place #97354, Waco, TX 76798-7354, MCNULTY, Kieran P., Department of Anthropology, University of Minnesota, 395 Hubert H. Humphrey Center, 301 19th Avenue South, Minneapolis, MN 55455, DUNSWORTH, Holly M., Department of Sociology and Anthropology, University of Rhode Island, 507 Chafee Building, 10 Chafee Road, Kingston, RI 02881, HARCOURT-SMITH, William E.H., Department of Vertebrate Paleontology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, and ANDREWS, Alexandra L., Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, MA 02139

PRELIMINARY FINITE STRAIN AND FABRIC ANALYSIS OF CONGLOMERATE FROM THE SHAWANGUNK FORMATION; NORTHERN APPALACHIAN FOLD-THRUST BELT, HUDSON VALLEY, NEW YORK: KLEMM, Brittany M., VOLLMER, Frederic W., and BURMEISTER, Kurtis C., (1) Department of Earth and Environmental Sciences, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211, b_klemm@u.pacific.edu, (2) Department of Geology, SUNY New Paltz, 1 Hawk Drive, New Paltz, NY 12561, (3) Department of Earth and Environmental Sciences, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211, j_yun1@u.pacific.edu

SEDIMENT CORE DERIVED HISTORY OF METAL CYCLING THROUGH A SMALL, ACID MINE DRAINAGE IMPACTED RESERVOIR IN OAKLAND, CA: YUN, Jason E.L., RADEMACHER, Laura K., and FAUL, Kristina L., (1) Department of Earth and Environmental Sciences, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211, j_yun1@u.pacific.edu, (2) Environmental Sciences Program/Department of Chemistry, Mills College, 5000 MacArthur Blvd, Oakland, CA 94613
92-35 105 QUANTIFYING PATHS IN UHP TERRANES: A 3-D APPROACH USING THERMOBAROMETRY AND FIELD RELATIONSHIPS: HABICHT, M. Helen, Geology, Albion College, 611 E. Porter St, Albion, MI 49224, mhh11@albion.edu, MENOLD, Carrie, Geological Sciences, Albion College, 611 East Porter St, Albion, MI 49224, WEBB, A. Alexander G., Geology and Geophysics, Louisiana State University, E235 Howe-Russell Geoscience Complex, Baton Rouge, LA 70803, and DONALDSON, Dennis, Louisiana State University, Baton Rouge, LA 70803

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A MODIFIED COASTAL VULNERABILITY INDEX FOR SMALL ASSOCIATED ISLANDS OF PUERTO RICO AND THE U. S. VIRGIN ISLANDS: PERISON-PARRISH, Elizabeth M.¹, RUNYAN, Ryann M.¹, SIEMER, Kyle W.², JACKSON, Chester W. Jr³, BUSH, David M.¹, LLERANDI-ROMÁN, Pablo A.⁴, and NEAL, William J.⁴, (1) Department of Geosciences, University of West Georgia, Carrollton, GA 30118, eperison1@my.westga.edu, (2) Environmental sciences, University of Toledo, 2801 Bancroft Ave, Toledo, OH 49606, (3) Department of Geology and Geography, Georgia Southern University, Statesboro, GA 30460, (4) Department of Geology, Grand Valley State University, Allendale, MI 49401

MINERALOGY OF THE OXIDE MINERALS IN THE BUCK CREEK MAFIC-ULTRAMAFIC COMPLEX, NORTH CAROLINA: GRAYBEAL, Daniel B.¹, KIEL, Nathan J.¹, DYER, Elizabeth K.¹, KLING, Corbin L.¹, PEREZ, Amy E.¹, SELLERS, Rachel C.¹, FOSTER, Nicholas A.¹, FLEISHER, Christopher J.², and SWANSON, Samuel E.², (1) Department of Geology, University of Georgia, Athens, GA 30602, dan31618@uga.edu, (2) Dept. of Geology, University of Georgia, Athens, GA 30602

EFFICACY OF COMMERCIAL HOUSEHOLD WATER FILTERS TO REMOVE CONTAMINANTS FROM DRINKING WATER: ESTABROOK, Alicia and MUTITI, Samuel, Biology and Environmental Science Department, Georgia College & State University, Milledgeville, GA 31061, alicia.estabrook@gmail.com

CHARACTERIZING SMALL ASSOCIATED ISLANDS OF PUERTO RICO AND USVI: PROVIDING A BASIS FOR FORECASTING SHORELINE RESPONSE TO SEA-LEVEL RISE: RUNYAN, Ryann M.¹, PERISON-PARRISH, Elizabeth M.¹, LOCURTO, Patricia L.¹, SIEMER, Kyle W.², JACKSON, Chester W. Jr³, BUSH, David M.¹, LLERANDI-ROMÁN, Pablo A.⁴, and NEAL, William J.⁴, (1) Department of Geosciences, University of West Georgia, Carrollton, GA 30118, runyan1@my.westga.edu, (2) Environmental sciences, University of Toledo, 2801 Bancroft Ave, Toledo, OH 49606, (3) Department of Geology and Geography, Georgia Southern University, Statesboro, GA 30460, (4) Department of Geology, Grand Valley State University, Allendale, MI 49401

METAL CYCLING THROUGH AN EPHERMAL ACID MINE DRAINAGE IMPACTED URBAN RESERVOIR IN OAKLAND, CA: STITT, Caroline R.¹, FAUL, Kristina L.¹, and RADEMACHER, Laura K.², (1) Environmental Sciences Program/Department of Chemistry, Mills College, 5000 MacArthur Blvd, Oakland, CA 94613, castitt@mills.edu, (2) Department of Earth and Environmental Sciences, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211

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92-54 124 GEOCHEMISTRY OF THE BANDED IRON FORMATIONS AND THEIR HOST ROCKS IN THE EASTERN DESERT OF EGYPT: BACKUS, Ethan L., GAGNON, Kelli E., EL-SHAZLY, Aley K., and KHALIL, Khalil Isaac, (1) Geology Department, Marshall University, Huntington, WV 25755, backus7@live.marshall.edu, (2) Geology, Alexandria University, Alexandria, Egypt

92-55 125 ANALYSIS OF ICE SPRINGS VOLCANIC FIELD STRUCTURES, BLACK ROCK DESERT, UTAH: PEPPERS, Matthew Henry, JUDGE, Shelley A., POLLOCK, Meagen, HALL, Tricia, CARY, W., SIMS, Whitney, and HINTZ, Amanda, (1) Department of Geology, The College of Wooster, 944 College Mall, Scovel Hall, Wooster, OH 44691, mpeppers13@wooster.edu, (2) Department of Geology, The College of Wooster, 1189 Beall Avenue, Wooster, OH 44691, (3) Wooster, OH 44691, (4) Geologic Hazards Program, Utah Geologic Survey, 1594 W. North Temple, Salt Lake City, UT 84114

92-56 126 A PRELIMINARY STUDY OF DINOSAUR ILLNESS AND INJURY THROUGH THE MESOZOIC: A POSSIBLE CASE OF NORTH AMERICAN BIAS?: HOWELL, Logan S., Department of Geology, Appalachian State University, ASU Box 32067, Boone, NC 28608-2067, howells@email.appstate.edu, ESTRIDGE, Katie, Environmental Science Program, Appalachian State University, ASU Box 32067, Boone, NC 28608-2067, and HECKERT, Andrew B., Dept. of Geology, Appalachian State University, ASU Box 32067, Boone, NC 28608

92-57 127 QUANTITATIVE DESCRIPTION OF UPPER CRETACEOUS ELASMOBRANCHS USING DIGITAL THREE-DIMENSIONAL MICROSCOPY: HARRISON, A. Alex, Department of Geology, Appalachian State University, ASU Box 32067, Boone, NC 28608, harrisonaa@appstate.edu and HECKERT, Andrew B., Dept. of Geology, Appalachian State University, ASU Box 32067, Boone, NC 28608

92-58 128 A TRANSMISSION ELECTRON MICROSCOPY STUDY OF THE MICROBE-MINERAL INTERFACE IN THE RHIZOSPHERE OF PINE: NIEDZIELA, Sheila M., DOHNALKOVA, A., GREENBERG, K.A., AREY, B., BALOGH-BRUNSTAD, Z., SHI, Z., and KELLER, C.K., (1) Department of Geology and Environmental Sciences, Hartwick College, Oneonta, NY 13820, NiedzielaS@hartwick.edu, (2) Environmental Molecular Sciences Laboratory, Pacific Northwest National Laboratory, Richland, WA 99352, (3) School of the Environment, Washington State University, Pullman, WA 99164

92-59 129 BREAK A LEG: COULD PROCOPTODON GOLIAH HOP?: COOK, John, Geology, Muskingum University, 163 Stormont St, New Concord, OH 43762, jcook@muskingum.edu and RODLAND, David L., Geology, Muskingum University, Boyd Science Center 223, 123 Stormont Street, New Concord, OH 43762

92-60 130 GYPSUM FORMATION IN ACID MINE DRAINAGE AFFLICTED STREAMS IN PERRY COUNTY, OHIO: JONES, Tanya, Muskingum University, 163 Stormont Street, New Concord, OH 43762, tanyaj@muskingum.edu and RODLAND, David L., Geology, Muskingum University, Boyd Science Center 223, 123 Stormont Street, New Concord, OH 43762

92-61 131 DEGLACIATION HISTORY INFERRED FROM STABLE ISOTOPE COMPOSITION OF TUNDRA VEGETATION AT NY-ÅLESUND, SVALBARD, NORWAY: KIM, Mun Gi, School of Earth and Environmental Sciences, Seoul National University, Seoul, 151-747, South Korea, lancearth@snu.ac.kr and LEE, Yong Il, School of Earth and Environmental Sciences, Seoul National University, Seoul, 151-747, South Korea

92-62 132 MONITORING WATER QUALITY FOR HISTORICAL AND EMERGING IMPACTS, WASHINGTON COUNTY, PA: NICHOLSON, Bryan, FREDRICK, Kyle C., and LOHR, Lisa, Earth Sciences, California University of Pennsylvania, 250 University Avenue, Campus Box 55, California, PA 15419, nic4603@calu.edu

92-63 133 ASSESSING GROUNDWATER CONTRIBUTION FROM AMD TREATMENT PONDS TO LAKE ARTHUR, MORaine STATE PARK, PA: MILLER, Matthew David, FREDRICK, Kyle C., and LOHR, Lisa, (1) Earth Sciences, California University of Pennsylvania, 250 University Avenue, California, PA 15419, mil3069@calu.edu, (2) Earth Sciences, California University of Pennsylvania, 250 University Avenue, Campus Box 55, California, PA 15419
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ANALYSIS OF SEDIMENT CORES FROM THE ELK MEADOWS LANDSLIDE AND THE SILVER LAKES LANDSLIDE: WHAT SEDIMENT CORES TELL US ABOUT THE TIMING AND ENVIRONMENTAL CONDITIONS OF LARGE LANDSLIDES IN THE SOUTHEASTERN SAN JUAN MOUNTAINS: KRUEGER, Kelsey 1, SCHMIDT, Catherine 1, CIRONE, Ashley M. 2, SMITH, Jacqueline A. 2, DIEMER, John A. 3, and JOHNSON, Bradley G. 1. (1) Environmental Studies, Davidson College, Box 7056, Davidson, NC 28035-7056, kekrueger@davidson.edu, (2) Physical & Biological Sciences, The College of Saint Rose, 432 Western Avenue, Albany, NY 12203, (3) Department of Geography & Earth Sciences, University of North Carolina at Charlotte, 9201 University City Boulevard, Charlotte, NC 28223

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OXYGEN ISOTOPE CONSTRAINTS ON MID-MIOCENE SILICIC MAGMA PRODUCTION IN THE OWYHEE MOUNTAINS (ID): MEEK, Tyler N. 1, BRUÈSEKE, Matthew E. 1, LARSON, Peter B. 2, and HASTEN, Zachary E.L. 1. (1) Department of Geology, Kansas State University, Manhattan, KS 66506, tmmeek@k-state.edu, (2) School of Earth & Environmental Sciences, Washington State University, Pullman, WA 99164

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ESTIMATES OF OFFSET OF QUATERNARY ALLUVIAL FAN SURFACES ALONG NORMAL FAULTS BOUNDING THE CENTRAL AND NORTHERN GRANT RANGE AND RAILROAD VALLEY IN EAST-CENTRAL NEVADA: SULLIVAN, Zachary, CAMILLERI, Phyllis A., and DEIBERT, Jack E. Geosciences, Austin Peay State University, P.O. Box 4418, Clarksville, TN 37044, zsullivan@my.apsu.edu
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THE PETROGENESIS OF PERALKALINE RHYOLITE VIA BOTH OPEN- AND CLOSED-SYSTEM PROCESSES: A CASE STUDY FROM BIG BEND NATIONAL PARK, TEXAS: HEYOB, Katie M., WHITE, John Charles, and PREJEANT, Kathryn, Department of Geography & Geology, Eastern Kentucky University, 521 Lancaster Ave, Roark 103, Richmond, KY 40475, katie_heyob@mymail.eku.edu

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EVIDENCE FOR A TWO-STAGE ERUPTION AT TRIMBLE KNOB, AN EOCENE VOLCANIC PLUG IN HIGHLAND COUNTY, VA: GUZMAN, Derek and JOHNSON, Elizabeth A., Dept of Geology and Environmental Science, James Madison University, Harrisonburg, VA 22807, guzman@dukes.jmu.edu

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