

DR. IRA D. SASOWSKY

Professional Resume

Education	Ph.D., Geology, The Pennsylvania State University, 1992 M.S., Geology, The Pennsylvania State University, 1988 B.S., Geology, University of Delaware, 1983
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Certifications	Professional Geologist, PG-000417G, Pennsylvania Professional Geologist, PG-5504, Tennessee OSHA 40 Hour Hazardous Waste Site Operations OSHA 8 Hour Hazardous Waste Site Supervisor Innov-X Portable XRF Analyzer Safety Certificate
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Professional Experience & Responsibilities	1995 - Present Dept. of Geology & Environmental Science and Center for Environmental Studies University of Akron Akron, Ohio Assistant Professor of Geology, 1995-2001 Associate Professor of Geology, 2001 - 2007 Professor of Geology & Environ. Sci., 2007- present Director, Center for Environmental Studies, August 2000 - present Teaching duties include Environmental Geology, Petroleum Geology, Groundwater Hydrology, Advanced Groundwater Hydrology, and various seminars and field trips. Other activities include development and execution of research programs, grant writing, guidance of graduate students in their thesis work, presentation of research at professional meetings, publishing scholarly articles, and public service. November 1991 - August 1995 Hydrogeologist, Nittany Geoscience, Inc. State College, Penna. Hydrogeologic consultation to municipalities, private citizens, and corporations on environmental geology, and groundwater supply, contamination, and cleanup problems. Involved in all phases of work including: preparation of proposals, authoring of technical workplans, interpretation of regulations, supervision of field and office activities of both technical and non-technical staff, development of unique solutions to technical problems, interpretation of data (geochemical, hydrologic, and geologic), and authoring and review of reports. 1983 - 1989 Research Assistant, Materials Research Lab, The Pennsylvania State University, University Park, Penna. Designed and conducted experiments to develop infrared window materials. Effected computer analysis of nuclear waste isolation materials. Maintained laboratory equipment including high-temperature ovens with hydrogen sulfide atmospheric systems. Presented results to contract sponsors and at national professional meetings.
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1983 - 1988

Teaching Assistant, Department of Geosciences, The Pennsylvania State University, University Park, Penna.

Formally appointed as a teaching assistant for 1 semester for an introductory geology course. In addition, frequently prepared, delivered, and graded laboratory exercises for hydrogeology and aqueous geochemistry courses.

June 1984 - August 1984

Petroleum Geologist (exploration), Exxon Company, USA, Denver, Colorado

Investigated hydrocarbon potential of areas in the Rocky Mountain Overthrust Belt, Wyoming. Constructed geologic maps, cross sections, analyzed well data. Presented recommendations and evaluation of geologic setting to management.

June 1983 - August 1983

Petroleum Geologist (production), Exxon Company, USA, Andrews, Texas

Conducted regional stratigraphic study of channel sands in Lea County, New Mexico. Constructed regional geologic maps (isopach and structure). Carried out stratigraphic analysis of basin. Presented recommendations to management for acquisition of mineral rights to expand production areas .

1982 - 1983

Research Assistant, Delaware Geological Survey, Newark, Delaware

Maintained offshore seismic data library (electronic and hardcopy) and processed seismic data. Developed documentation for FORTRAN-based seismic processing software in use by the Survey.

1980 - 1981

Mudlogger, Tooke Engineering, Williston, North Dakota

Conducted real-time logging of well cuttings and chromatograph gas levels, and prepared detailed geologic columns for numerous hydrocarbon exploration wells in North Dakota, Montana, and South Dakota. Advised company representatives of potential pay zones. Supervised two-man logging unit.

Awards

Distinguished Service Award, GSA Hydrogeology Division, 2009
Karst Waters Institute Service Recognition Award (Droplet), 2009
Certificate of Appreciation (GSA Committee on Accreditation),
2008

Presidential Citation, Association of Environmental and Engineering Geologists, 2007, 2008, 2010

Science Award, National Speleological Society, 2006

Elected Fellow, Geological Society of America, 2003

Distinguished Service Award, Association of Ohio Pedologists, 2002

Citation for excellence in service to the GSA Hydrogeology Division, 2001

The Chairs Citation, Notable Achievement - Professional Service Award, University of Akron, 1999
Certificate of Merit, National Speleological Society, 1998
Graduate Fellowship, Cave Research Foundation, 1990
RASS Graduate Research Fellowship, 1989
Elected Fellow, National Speleological Society, 1989
Jeff Jefferson Research Award, British Cave Research Association, 1989
Ralph Stone Research Award, National Speleological Society, 1988
P.D. Krynine Fund, The Pennsylvania State University, 1984, 1985, 1988, 1989, 1990, 1991

**Professional
Affiliations &
Responsibilities**

Geological Society of America
(Editor of *Hydrogeologist* newsletter, 1997-2001)
(Chairman Historical Comm., Hydrogeo. Div., 1997)
(Nominating Comm., Hydrogeo. Div., 2003)
(Long Range Planning-Publicat. Comm., 1998-2002)
(Technical Prog. co-chair, North-Central Mtg., 2006)
(Co-editor, *Environmental & Engineering Geoscience*, 6/06 -)
(Ad Hoc Committee on Accreditation, 2007 - 2008)
(50th Anniversary Planning Comm., Hydrogeo. Div., 2007-2009)
(Hydro. Div. Dist. Serv. Award Comm., 2010-)

American Geophysical Union
Association of Environmental & Engineering Geologists (AEG)
(Manager of Groundwater/Karst Technical Working Group, 2007-2010)

National Ground Water Association
(Reviewer for the journal *Ground Water*, 1992-1997)
(Associate Editor for journal *Ground Water*, 1997-2002)

American Association of Petroleum Geologists
(House of Delegates, 1996-present)
(Academic Liaison Committee, 1997-2000)
(Faculty Sponsor, Akron Student Chapter, 1998-present)
(Matson Award Judge, 1998)
(Univ. Rep., East. Sect. Membership Comm., 1998-2001)
(HOD Nominations Committee, 8/00)

Cave Conservancy of the Virginias, Board Member (2005-2008)

National Speleological Society
(Earth Sci. Editor for *Journal of Cave & Karst Studies*, 1994-2009)

Theoretical & Applied Karstology (Associate Editor, 5/01-present)

Karst Waters Institute
(Board of Directors 1994-present)
(Vice-President for Communications, 1994-2009)
(Vice Chairman of Board, 2009-2010)
(Awards Committee, 2010)

British Cave Research Association
National Association of Geoscience Teachers
Sigma Xi, The Scientific Research Society (1997-present)

Northern Ohio Geological Society
(Delegate to AAPG, 1996-1999, 1999-2002)
(Member-at-large, 1998-1999, 2006)

American Library Association, Consultant-reviewer for *Choice* magazine
U.S. Environmental Protection Agency, Grant panel peer reviewer
USDA- expert committee for the development of a “Soil rating tool for soil-based stormwater management practices in West Virginia”, 2009.

Selected Publications

Edited Books

Sasowsky, I.D., Feazel, C.T, Mylroie, J.E., Palmer, A.N., and Palmer, M.V. (eds.), 2008, Karst from recent to reservoirs: Special Publication 14, Karst Waters Institute, Leesburg, Va., 219 p.

Kranjc, A., Gabrovsek, F., Culver, D.C., and Sasowsky, I.D. (eds.), 2007, Time in Karst: Special Publication 12, Karst Waters Institute, Leesburg, Va., 243 p.

Sasowsky, I.D. and Mylroie, J. (eds.), 2004, Studies of Cave Sediments: Physical and Chemical Records of Paleoclimate: Kluwer Academic/Plenum Publishers, New York, 329 p.

Martin, J.B., Wicks, C.M., and Sasowsky, I.D. (eds), 2002, Hydrogeology and biology of post-Paleozoic carbonate aquifers: Special Publication 7, Karst Waters Institute, Charles Town, West Va., 211 p.

Culver, D.C., Deharveng, L., Gibert, J., and Sasowsky, I.D. (eds.), 2001, Mapping subterranean biodiversity: Proceedings of an international workshop held March 18 through 20, 2001, Moulis, France, The Karst Waters Institute, Charles Town, West Va., 82 p.

Sasowsky, I.D. and Wicks, C.M. (eds.), 2000, Groundwater flow and contaminant transport in carbonate aquifers: A.A. Balkema, Rotterdam, 193 p.

Palmer, A.N., Palmer, M.V., and Sasowsky, I.D. (eds.), 1999, Karst Modeling: Proceedings of the symposium held February 24 through 27, 1999, Charlottesville, Virginia, The Karst Waters Institute, Charles Town, West Va., 118 p.

Sasowsky, I.D. Fong, D.W., and White, E.L. (eds.), 1997, Conservation and protection of the biota of karst: The Karst Waters Institute, Charles Town, West Va., 118 p.

Sasowsky, I.D. and Palmer, M.V. (eds.), 1994, Breakthroughs in karst geomicrobiology and redox geochemistry: The Karst Waters Institute, Charles Town, West Va., 111 p.

Papers

Chess, D.L., Chess, C.A., Sasowsky, I.D., Schmidt, V.A., and White, W.B., 2010, Clastic sediments in the Butler Cave-Sinking Creek System, Virginia, USA: *Acta Carsologica*, v. 39. No. 1, p. 11-26.

Woodward, E. and Sasowsky, I.D., 2009, A spreadsheet program (ScallopEx) to calculate paleovelocities from cave wall scallops: *Acta Carsologica*, v. 38, no. 2-3, p. 303-305.

Bosak, P., Knez, M., Pruner, P., Sasowsky, I.D., Slabe, T, and Sebel, S. 2007, Paleomagnetic research of unroofed caves opened during the highway construction at Kozina, SW Slovenia: *Annals for Istrian and Mediterranean Studies*, v. 17, no. 2, p. 249-260.

Sebel, S. and Sasowsky, I.D., 2007, Starost jamskih sedimentov Brezstropih Jam odprtih pri Gradnji avtoceste pr Kozini (Jugozahodna Slovenija), določena s paleomagnetimi analizami [The age of cave sediments from unroofed caves opened during highway construction near Kozina (SW Slovenia), determined with paleomagnetic analyses], in: Knez, M. and Slabe, T. (eds.), *Kraski pojavi, razkriti med gradnjo Slovenskih avtocest* [Karst features uncovered during construction of Slovene Highways]: *Carsologica* 7, Institut rasiskovanje krasa ZRC SAZU, Ljubljana, Slovenija, p. 195-200.

Sasowsky, I.D., 2007, Clastic sediments in caves - imperfect recorders of processes in karst in: Kranjc, A., Gabrovsek, F., Culver, D.C., and Sasowsky, I.D. (eds.), *Time in Karst: Special Publication 12*, Karst Waters Institute, Leesburg, Va., p. 143-149.

Sasowsky, I.D. and Bishop, M.R., 2006, Empirical study of the effect of conduit radial cross-section determination and representation on cavernous limestone porosity evaluation: *Journal of Cave & Karst Studies*, v. 68, no. 3, p. 130-136. Submitted March 29, 2006. Revised version submitted September 21, 2006.

Clark, G.M., Kohl, M., Moore, H.L., and Sasowsky, I.D., 2005, The Gray Fossil Site: An spectacular example in Tennessee of ancient regolith occurrences in carbonate terranes, Valley and Ridge subprovince, southern Appalachians, U.S.A., in: Beck, B.F., *Sinkholes and the engineering and environmental impacts of karst - proceedings of the 10th conference*: American Society of Civil Engineers, Reston, Virginia, Geotechnical Special Publication No. 144, p. 82-90.

Sasowsky, I.D., and Dalton, C.T., 2005, Measurement of pH for field studies in karst areas: *Journal of Cave & Karst Studies*, v. 67, no. 2, p. 127-132.

Stock, G.M., Granger, D.E., Sasowsky, I.D., Anderson, R.S., and Finkel, R.C., 2005, Dating caves for landscape evolution studies: Insights from cave deposits in the Sierra Nevada, California: *Earth & Planetary Science Letters*, v. 236, no. 1-2, p. 388-403.

Sasowsky, I.D., 2004, Paleomagnetic Record in Cave Sediments, in: Culver, D.C & White, W.B. (eds.), *Encyclopedia of Caves*, Elsevier-Academic Press, Burlington, Mass., p. 427-431.

Sasowsky, I.D., Kempthorne, R.A., Crowell, B., Walko, S.M., LaRock, E.J., and Harbert, W., 2004, Paleomagnetic analysis of a long-term sediment trap, Kookan Cave, Huntingdon County, Pennsylvania, USA in: Sasowsky, I.D. and Mylroie, J. (eds.) *Studies of Cave Sediments: Physical and Chemical Records of Paleoclimate*: Kluwer Academic/Plenum Publishers, New York, p. 71-81.

Sasowsky, I.D., 2004, Autochthonous Clastic Sediments, in: Gunn, J. (ed.) *Encyclopedia of Caves & Karst Science*, Fitzroy-Dearborn Publishers, New York, p. 634-636.

Sasowsky, I.D., Dinsmore, M.A., Salvati, R., Bixby, R., Raymond, H., and Mazzeo, P., 2003, Subtle but significant karst on the glaciated Bellevue-Castalia Karst Plain, Ohio, USA, in: Beck, B.F. (ed.), *Sinkholes and the Engineering and Environmental Impacts of Karst* (Proceedings of the Ninth Multidisciplinary Conference), American Society of Civil Engineers Geotechnical Special Publication No. 122, p. 95-109.

de Chambeau, A.L. and Sasowsky, I.D., 2003, Using information literacy standards to improve geoscience courses: *Journal of Geoscience Education*, v. 51, no. 5, p. 490-495.

Sasowsky, I.D., Sebela, S., and Harbert, W., 2003, Concurrent tectonism and aquifer evolution >100,000 years recorded in cave sediments, Dinaric karst, Slovenia: *Environmental Geology*, v. 44, p. 8-13.

Salvati, R. and Sasowsky, I.D., 2002, Development of collapse sinkholes in areas of groundwater discharge: *Journal of Hydrology*, v. 264, p. 1-12.

Sebela, S. and Sasowsky, I.D., 2000, Paleomagnetic dating of sediments in caves opened during highway construction near Kozina, Slovenia: *Acta Carsologica*, v. 29, no. 2, p. 303-312.

Foos, A., Sasowsky, I.D., LaRock, E.J., and Kambesis, P.N., 2000, Detrital origin of a sedimentary fill, Lechuguilla Cave, New Mexico: *Clays and Clay Minerals*, v. 48, p. 693-698.

Sasowsky, I.D., Foos, A., and Miller, C.M., 2000, Lithic controls on the removal of iron and remediation of acidic mine drainage: *Water Research*, v. 34, no. 10, p. 2742-2746.

Sasowsky, I.D., 2000, Carbonate aquifers: A review of thoughts and methods, in: Sasowsky, I.D. and Wicks, C.M. (eds.), *Groundwater flow and contaminant transport in carbonate aquifers*, A.A. Balkema, Rotterdam, p. 1-14.

Sebela, S. and Sasowsky, I.D., 1999, Age and magnetism of cave sediments from Postojnska Jama Cave System and Planinska Jama Cave, Slovenia: *Acta Carsologica*, v. 28, no. 2, p. 297-309.

Sasowsky, I.D., 1999, Structural controls on carbonate aquifers, in: Palmer, A.N., Palmer, M.V., and Sasowsky, I.D. (eds.), *Karst Modeling: Proceedings of the symposium held February 24 through 27, 1999, Charlottesville, Virginia*, Karst Waters Institute, Charles Town, West Virginia, p. 38-42.

Ramage, J.M., Gardner, T.W., and Sasowsky, I.D., 1998, Early Pleistocene glacial Lake Lesley, West Branch Susquehanna River Valley, Central Pennsylvania: *Geomorphology*, v. 22, no. 1, p. 19-37.

Sasowsky, I.D., 1998, Cave formation: Determining the age of what is not there: *Science*, v. 279, p.1874.

Engel, A.S., Lascu, C., Badescu, A., Sarbu, S., Sasowsky, I., and Huff, W., 1997, A study of cave sediment from Movile Cave, Southern Dobrogea, Romania: in *Proceedings of the 12th International Congress of Speleology, v. 1, Neufchatel, Switzerland*, p. 25-28.

Sasowsky, I.D., White, W.B., and Schmidt, V.A., 1995, Determination of stream incision rate in the Appalachian Plateaus by using cave-sediment magnetostratigraphy, *Geology*, v. 23, p. 415-418.

Sasowsky, I.D., White, W.B., and Webb, J.A., 1995, Acid mine drainage in karst terranes: Geochemical considerations and field observations, in: Beck, B.F. (ed.), *Karst Geohazards - Engineering and environmental problems in karst terrane - Proceedings of the Fifth Multidisciplinary Conference on Sinkholes and the engineering and environmental impacts of karst*, A.A. Balkema, Rotterdam, p.241-247.

Sasowsky, I.D. and White, W.B., 1994, The role of stress release fracturing in the development of cavernous porosity in carbonate aquifers, *Water Resources Research*, v. 30, p. 3523-3530.

Webb, J.A. and Sasowsky, I.D., 1994, The interaction of acid mine drainage with a karst terrane: Evidence from the Obey River, north central Tennessee, *Journal of Hydrology*, v. 161, p. 327-346.

Gardner, T.W., Sasowsky, I.D., and Schmidt, V.A., 1994, Reversed polarity glacial sediments and revised glacial chronology, West Branch Susquehanna River valley, central Pennsylvania, *Quaternary Research*, v. 42, p. 131-135.

Sasowsky, I.D., 1994, Paleomagnetism of glacial sediments from three locations in eastern Pennsylvania: in Braun, D.D., Late Wisconsinan to Pre-Illinoian (G?) glacial and periglacial events in

eastern Pennsylvania (Guide for the 57th field conference of the Friends of the Pleistocene Northeastern Section), May 20-22, 1994, Hazelton, Penna., p. 21-23.

Sasowsky, I.D. and White, W.B., 1993, Geochemistry of the Obey River Basin, North central Tennessee: A case of acid mine water in a karst drainage system: *Journal of Hydrology*. v. 146, p.29-48.

Sasowsky, I.D., 1991, Surface and subsurface drainage basin asymmetry: Ramifications for karst development in the Appalachian Plateaus, in Kastning, E.H. and K.M. Kastning (eds.), *Appalachian Karst*, The National Speleological Society, Huntsville, AL, p. 117-122.

Sasowsky, I.D., W.B. White, and D.M. Medville, 1989, The remarkably constant longitudinal profile of Toothpick Stream, Friars Hole Cave System, West Virginia, U.S.A., in *Proceedings of the 10th International Congress of Speleology, Budapest, Hungary*, p. 284-286.

Gardner, T.W., P.W. Hare, F.J. Pazzaglia, and I.D. Sasowsky, 1987, Evolution of drainage systems along a convergent plate margin, Pacific Coast, Costa Rica, in Graf, W.L. (ed.), *Geomorphic Systems of North America (Centennial Special Volume 2)*: Geological Society of America, Boulder, Colorado, p. 357-372.

Sasowsky, I.D., and W.B. White, 1986, A comparison of longitudinal stream profiles in some karst basins of the Eastern United States, in *Comunicaciones del 9 Congreso Internacional de Espeleologia, Barcelona, Spain*, p. 100-101.

Abstracts

Sasowsky, I.D., Mylroie, J.E., and Connors, C.D., 2010, Benefits and challenges of karst field experiences for earth science education: in *GSA Abstracts with programs*, v. 42, no. 5, p. 590, 2010 Annual Meeting, Denver, Colorado (Paper no. 248-43)

Sabljak, D. and Sasowsky, I.D., 2010, Evaluation of 2-dimensional karst porosity using a countywide cave map database: in *GSA Abstracts with programs*, v. 42, no. 5, p. 450, 2010 Annual Meeting, Denver, Colorado (Paper no. 182-23)

Woodward, E.E., McQuade, T.L., Sasowsky, I.D., Haas, A., and Boyer, D.G., 2010, A review of stormwater management in karst: in *GSA Abstracts with programs*, v. 42, no. 5, p. 449, 2010 Annual Meeting, Denver, Colorado (Paper no. 182-15)

Steingrabe, D. and Sasowsky, I.D. (faculty mentor), 2009, Karst porosity of Monroe County, West Virginia: Proceedings of the Conference on Undergraduate and Graduate Student Research, University of Akron, p. 95.

Sasowsky, I.D., 2009, Speleogenesis as a component of corrosion of the earth surface, with an example from the Big Levels of the Appalachian Plateau, USA: in, White, W.B. (ed.), Proceedings 15th International Congress of Speleology, v. 2, p. 980-982.

Bishop, M.R., Sasowsky, I.D., and Jones, W.K., 2009, Preliminary water quality and boundary redefinition of the Scott Hollow drainage basin, Appalachian Plateau, United States: in, White, W.B. (ed.), Proceedings 15th International Congress of Speleology, v. 2, p. 1422-1427.

Sasowsky, I.D., 2009, The possibility of reverse flow piracy in caves of the Appalachian mountain belt: in Klimchouk, A.B. and Ford, D.C. (eds.), Hypogene Speleogenesis and Karst Hydrogeology of Artesian Basins: Ukrainian Institute of Speleology and Karstology Special Paper 1, p. 211..

Hirko, J. G., Sasowsky, I.D., and Johnsson, M., 2008, Conduit origin and paleohydrology of Haynes Cave, Monroe County, West Virginia: in *GSA Abstracts with programs*, v. 40, no. 6, p. 467, 2008 Annual Meeting, Houston, Texas (Paper no. 299-13)

Sasowsky, I.D., 2008, Cave sediments - uses, processes, and stories: in: Hajna, N.Z. and Mihevc, A. (eds.) *16th international karstological school "classical karst" Karst Sediments Guidebook and Abstracts*, p. 101.

Pachos, A., Sasowsky, I.D., and Wright, E.S., 2008, Precision volumetric calculations of modern karst voids: in: *Abstracts Volume of American Association of Petroleum Geologists 2008 Annual Convention and Exhibition, San Antonio, April 20-23*, v. 17, p. 153-154.

Sasowsky, I.D., and Check, D., 2007, Barometric effects on groundwater discharge at a human-induced subterranean spring: in *GSA Abstracts with programs*, v. 39, no. 6, p. 485, 2007 Annual Meeting, Denver, Colorado (Paper no. 179-7)

Check, D., Sasowsky, I.D., and Quick, T.J., 2006, High-resolution monitoring of accidental drainage of a carbonate aquifer, Monroe County, West Virginia: in *GSA Abstracts with programs*, v. 38, no.7, p. 287, 2006 Annual Meeting, Philadelphia, Pennsylvania (Paper no. 115-2)

Addo, J.N.K., and Sasowsky, I.D., 2006, Sedimentary record of an abandoned underground lake, Scott Hollow Cave, Monroe County, West Virginia: in *GSA Abstracts with programs*, v. 38, no.7, p. 25, 2006 Annual Meeting, Philadelphia, Pennsylvania (Paper no. 5-16).

Sasowsky, I.D., 2006, Collaborative research on caves and karst at the University of Akron: in *GSA Abstracts with programs*, v. 38, no.4, p.28, 2006 North-Central Section Meeting, Akron, Ohio (Paper no. 21-3).

Sasowsky, I.D., 2006, Rapid groundwater flow in carbonate rocks beneath glacial drift, North-central Ohio: in *GSA Abstracts with programs*, v. 38, no.4, p.22, 2006 North-Central Section Meeting, Akron, Ohio (Paper no. 16-3).

Weinreich, M., Sasowsky, I.D., Hochstetler, B.I., Bishop, M.R., Grubbs, S.A., Kushner, V.A., Pachos, A., and Wirtz, M., 2005, Semi-automated analysis of sinkhole distribution in the Levels of West Virginia: in *GSA Abstracts with programs*, v. 37, no.7, p.436, 2005 Annual Meeting, Salt Lake City, Utah (Abstract no. 193-11).

Sasowsky, I.D., Clotts, R.A., Sasowsky, K.C., and Foos, A.M., 2005, Peculiar mudcracks formed in cave sediments by air-escape during flooding: in *GSA Abstracts with programs*, v. 37, no.7, p.437, 2005 Annual Meeting, Salt Lake City, Utah (Abstract no. 193-16).

Hochstetler, B.I. and Sasowsky, I.D., 2005, Do clastic sediments in one cave conduit reflect basin-wide paleoenvironmental conditions?: in *GSA Abstracts with programs*, v. 37, no.7, p.173, 2005 Annual Meeting, Salt Lake City, Utah (Abstract no. 70-8).

Bishop, M. R. and Sasowsky, I.D., 2005, Quantitative measurement of cave passage cross sections, Scott Hollow Cave, West Virginia: in *GSA Abstracts with programs*, v. 37, no.7, p.436, 2005 Annual Meeting, Salt Lake City, Utah (Abstract no. 193-10).

Zinz, D.C and Sasowsky, I.D., 2005, Speleogenesis within an anticlinal valley: Hellhole Cave, West Virginia: *Journal of Cave and Karst Studies*, v. 67, no. 3, p. 188.

Feazel, C.T., Valasek, P.A., Ventzel, N.J., Connors, C.D., and Sasowsky, I.D, 2005, Modeling the seismic response of paleokarst systems using modern cave analogs: in: *Abstracts of the SEPM and Geological Society of London meeting: "Seismic Geomorphology: applications to hydrocarbon exploration & production."* February 10-11, 2005, Houston. 1 p., (unnumbered).

Bishop, M.R. and Sasowsky, I.D., 2004, Evaluation of human errors in surveys of cave passage dimensions: in: *Proceedings of The University of Akron Conference on Undergraduate and Graduate Student Research*, p. 72.

Feazel, C.T. and Sasowsky, I.D., 2004, Using modern cave systems as analogs for modeling paleokarst reservoirs: in: *Abstracts of the AAPG International Meeting*”, October, 2004 - Cancun, Mexico, p. nos. not yet assigned..

Sasowsky, I.D., 2004, Paleomagnetic dating in caves of the Appalachian Orogen, North America: in: *Proceedings of the 12th Karstological School*, June 21-24, 2004 Postojna, Slovenia, p. 62.

Sasowsky, I.D., 2004, Investigation of sinkhole development in a low-relief glaciated “karst” terrane: Ohio, USA: in: *Proceedings of the Sinkhole Workshop, Università Roma Tre* May 20, 2004 Rome, Italy, p. 67.

Sasowsky, I.D., 2004, Detailed analogs for paleokarst reservoirs: Promise and problems: in: *Abstracts of the American Association of Petroleum Geologists Annual Meeting, Dallas, April 18-21, 2004, AAPG Bulletin*, v. 88, no. 13 (supplement), p. A-123.

Sasowsky, I.D. and Feazel, C.T., 2004, Utility of modern cave systems in interpreting paleokarst reservoirs: in: *Abstracts of the AAPG Hedberg Research Conference “Carbonate Reservoir Characterization and Simulation: From Facies to Flow Units”*, March 15-18, 2004 - El Paso, Texas, pages not numbered.

Sasowsky, I.D., Curry, M. D., Watson, D. W., Christenson, K., Sebel, S., and Burkhart, P., 2003, Development of cavernous porosity in thin, flat-lying carbonates: The Vanport Limestone, Pennsylvania: in *GSA Abstracts with programs*, v. 35, no.6, p. 52, 2003 Annual Meeting, Seattle, Washington

Sasowsky, I. D., 2003, "Geoscience Information Acquisition and Management" - An Information/Technological Literacy Course for Geoscience Majors: in *GSA Abstracts with programs*, v. 35, no.6, p. 359, 2003 Annual Meeting, Seattle, Washington.

Bixby, R.L. and Sasowsky, I. D., 2003, Inter-conduit variability of fluvial sedimentary deposits within Organ Cave, West Virginia - Effects of regional and localized events: in *GSA Abstracts with programs*, v. 35, no.6, p. 454, 2003 Annual Meeting, Seattle, Washington.

Curry, M.D., Sasowsky, I. D., and Shank, D.A. 2003, Genesis and sedimentation of Windy Mouth Cave, West Virginia: *Journal of Cave and Karst Studies*, v. 65, no. 3, p. 184.

Bixby, R.L. and Sasowsky, I. D., 2003, Bit drops (drilled voids) as a measure of karst: *Journal of Cave and Karst Studies*, v. 65, no. 3, p. 183.

Kambesis, P. N. and Sasowsky, I. D., 2003, Genesis and characteristics of Tumbling Rock Cave, A valley wall conduit in Jackson County, Alabama: *Journal of Cave and Karst Studies*, v. 65, no. 3, p. 186.

Sasowsky, I. D. and deChambeau, A.L., 2002, Bringing information & technological literacy to geoscience students using the ACRL standards: *in GSA Abstracts with programs*, v. 34, no.6, p. 156, 2002 Annual Meeting, Denver, Colorado.

Haney, S.A., and Sasowsky, I. D., 2002, Sedimentology & environmental magnetism of clastic sediments from an active karst groundwater conduit: Scott Hollow Cave, Monroe County, West Virginia: *in GSA Abstracts with programs*, v. 34, no.6, p. 231, 2002 Annual Meeting, Denver, Colorado.

Curry, M. D., Sasowsky, I. D., and Shank, D. A., 2002, Sediments from an abandoned karst groundwater conduit: Windy Mouth Cave, Greenbrier County, West Virginia: *in GSA Abstracts with programs*, v. 34, no.6, p.231, 2002 Annual Meeting, Denver, Colorado.

Peck, J.A., Foos, A.M., Park, L.M., Sasowsky, I. D., 2002, Fostering the development of scientific thinking with undergraduate research projects: *in Abstracts of the 9th National Conference of the Council on Undergraduate Research*, Connecticut College, June 19-22, p. 35.

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