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EDUCATION:

Ph.D. 1998 University of Pittsburgh, Department of Biological Sciences. *Dissertation: Linkages between a riparian forest and an Appalachian Mountain stream*

B.S. 1990 Central Michigan University, Department of Biology

PROFESSIONAL EXPERIENCE:

2011 – present Professor, Western Kentucky University, Department of Biology

2005 – 2011 Associate Professor, Western Kentucky University, Department of Biology

2002 – present Director, Center for Biodiversity Studies, Western Kentucky University

2001 – 2015 Co-Director, WKU Upper Green River Biological Preserve

1999 – 2005 Assistant Professor, Western Kentucky University, Department of Biology

1997 Instructor, Pennsylvania State University - McKeesport Campus, Department of Biology

1997 Instructor, University of Pittsburgh, Department of Biological Sciences

1990 – 1996 Graduate Teaching Assistant, University of Pittsburgh, Department of Biological Sciences

1988 – 1990 Research Technician (summers only), Division of Water Pollution Control, Massachusetts Department of Environmental Protection

TEACHING EXPERIENCE:

Courses that are currently part my instructional rotation at Western Kentucky University since 1999:

BIOL 122: Biological Concepts: Evolution, Diversity & Ecology; BIOL 224: Animal Biology and Diversity; BIOL

405: Aquatic Insect Diversity; BIOL 497: Aquatic Field Ecology; BIOL 505: Aquatic Insect Ecology

UNIVERSITY SERVICE:***University***

Biology representative, University Curriculum Committee (2008–2013); Director, Center for Biodiversity Studies (2008–present); Co-Director, WKU Upper Green River Biological Preserve (2002–2015)

College

Biology representative, Ogden College Curriculum Committee (2008–2013); Advisor, Environmental Science program (1999–present); *ad hoc* Environmental Studies Curriculum Committee (2000–2001)

Department

Undergraduate Curriculum Committee (2002–present; **Chair**, 2009–2014; 2014–present); Scheduling and Load Committee (2001–present; **Chair**, 2007–present); Graduate Committee (2004–2009; 2010–2012); Executive Committee (2008–2010); Fish Biologist Search Committee (**Chair**, 2000–2001); Departmental Head Search Committee (2000–2001; 2008–2009); *ad hoc* Student Internship Committee (2011–2012); Biostatistics Search Committee (2011–2012); *ad hoc* Assessment Examination Committee (2000–2001); Biology Building Committee (2014–present).

STATE-LEVEL SERVICE:

Kentucky Academy of Science, Chair, Ecology and Environmental Science Section (2007–2008, 2012)

Kentucky Academy of Science, Secretary, Ecology and Environmental Science Section (2006, 2011)

Kentucky Statewide EPA EPSCoR Subcommittee Member and co-Project Director (2000–2005)

MANUSCRIPT REVIEWS:

2014–Illiesia (2), ZooKeys; 2013–Illiesia, ZooKeys (2); 2012–Illiesia (2); 2011–Illiesia (4), Journal of Insect Science, ZooKeys; 2010–Illiesia (4); 2009–Entomological News (2), Hydrobiologia, Illiesia, Zootaxa; 2008–Fundamental and Applied Limnology, Illiesia, Zootaxa (2); 2007–Aquatic Ecology, Entomological News, Great Lakes Entomologist, Journal of the Kentucky Academy of Science; 2006–Entomological News, Southeastern Naturalist; 2005–Journal of the North American Benthological Society; 2004–Entomological News (2); 2003–Journal of the North American Benthological Society, Proceedings of the Entomological Society of Washington; 2002–American Midland Naturalist (2)

PROFESSIONAL SOCIETIES:

International Society of Limnology, Kentucky Academy of Science, North American Plecoptera Society, Society for Freshwater Science,

HONORS AND AWARDS:

2015: Awarded, WKU Ogden College Faculty Award for Research/Creativity
 2013: Nominated, WKU Ogden College Faculty Award for Student Advisement
 2013: Nominated, WKU Ogden College Faculty Award for Research/Creativity
 2013: Nominated, WKU Ogden College Faculty Award for Teaching
 2012: Biodiversity Protection Award, Kentucky State Nature Preserves Commission
 1990: Graduated Cum Laude, Central Michigan University
 1986-1990: Dean's List, Central Michigan University (6 of 8 semesters)

GRANTS AND CONTRACTS: current funding (external)

2014–2016 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PIs = Dr. O. Meier, Dr. C. Groves, Ms. P. Kambesis, WKU). *Upper Green River Biological Preserve Extension 4 - Vinegar Ridge* (\$298,016)
 2012–2015 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PI = Dr. O. Meier, WKU). *Upper Green River Biological Preserve Extension 3 - Lawler Bend* (\$1,491,551)

GRANTS AND CONTRACTS: past funding (external)

2008–2013 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PI = Dr. O. Meier, WKU). *Upper Green River Biological Preserve Extension 2* (\$188,443)
 2008–2011 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PI = Dr. O. Meier, WKU). *Upper Green River Biological Preserve Extension 1* (\$848,000)
 2004–2012 U.S.D.A. – N.R.C.S., **Project Director**. *Assessing Changes Across Spatial and Temporal Scales Due To Conservation Practices Associated with the Kentucky Conservation Reserve Enhancement Program in the Upper Green River Basin* (\$1,362,210)
 2010–2011 Kentucky Water Resources Research Institute – USGS 104b Program, **Principal Investigator**. *Assessing short-term changes to headwater stream structure and function following alternative forest harvesting implantation* (\$15,151)
 2006–2009 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PI = Dr. O. Meier, WKU). *Management of Wild Rivers Property - Goebel Tract, Green River* (\$39,500)
 2003–2009 University of Kentucky: Senate Bill (SB) – 271, **Co-Principal Investigator** (PI = Dr. R. Kolka, Co-PI = Dr. J. Stringer; both of University of Kentucky). *Effects of Riparian Zone Width and Disturbance on Water Quality and Stream Communities following Forest Harvest in Eastern Kentucky Watersheds* (\$349,276; \$25,000 to WKU)
 2002–2008 Kentucky Heritage Land Conservation Fund, **Co-Principal Investigator** (PI = Dr. A. Meier and Co-PI = Dr. O. Meier, WKU). *Upper Green River Biological Preserve* (\$1,208,224)
 2003–2004 EPA Nonpoint Source 319h FFY1997, through Kentucky Division of Conservation, **Principal Investigator**. *Green River Watershed Demonstration Project* (\$38,068)
 2003–2004 Mammoth Cave National Park, **Principal Investigator**. *Ecology of upland ponds at Mammoth Cave National Park, Kentucky, U.S.A* (\$13,970)
 2001–2003 Western Kentucky University, Center for Water Resource Studies, Wastewater Monitoring and Assessment, **Task Manager**. *Water Quality/Chemistry and Biological Sampling* (\$94,060)

- 2001–2003 EPA Nonpoint Source 319h FFY2000, through Kentucky Division of Water, **Principal Investigator** *Biological Monitoring Program Expansion: Green River Basin* (\$85,000)
- 2001–2003 EPA Nonpoint Source 319h FFY2000, through Kentucky Division of Water, **Principal Investigator** *Bacteriological and Biological Assessment in the Green River and Tradewater River Watersheds* (\$83,333)
- 2001–2004 Mammoth Cave National Park, **Principal Investigator** *Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park* (\$29,990)
- 2000–2001 Indiana Department of Natural Resources, Indiana Division of Nature Preserves, **Principal Investigator** *Study of the diversity, distribution, and conservation status of the stoneflies (Insecta, Plecoptera) of southern Indiana* (\$1,698)
- 2000 Commonwealth Technology Incorporated, **Co-Principal Investigator** (PI = Dr. M. Stokes). *Biological Assessment of Kentucky TriModal Transpark* (\$11,999)
- 1995 Maryland Department of Natural Resources, Maryland Natural Heritage Program, **Co-Principal Investigator** (with Dr. Richard E. Jacobsen). *Survey of western Maryland Plecoptera and symbiotic Chironomidae* (\$2,000)
- 1995 Sigma Xi Grant-in-Aid of Research, **Principal Investigator** *Leaf processing in mountain streams: Assessing the importance of pack size and delayed entry of leaf material from the adjacent banks* (\$320)
- 1995 G. Murray McKinley Research Fund, Pymatuning Laboratory of Ecology, University of Pittsburgh, **Principal Investigator** *Leaf processing in woodland streams: Assessing the importance of leaching dynamics of beech and oak leaves in mixed-species accumulations* (\$125)
- 1992 G. Murray McKinley Research Fund, Pymatuning Laboratory of Ecology, University of Pittsburgh, **Principal Investigator** *Linkages between stream shredders and riparian vegetation* (\$2,200)

GRANTS AND CONTRACTS: past funding (internal)

- 2014–2015 FUSE, with Autumn Smith. *Corbicula fluminea Foodweb Ecology* (\$5,000)
- 2012–2014 Western Kentucky University, Applied & Research Technology Program Collaborative Grants Program. *Exchange dynamics of carbon between inorganic and organic source and sink components in freshwater karst-fed systems in contrast to non-karst systems* (\$75,000)
- 2012–2013 Western Kentucky University, Research & Creative Activities Program (RCAP I). *Foodweb dynamics in a karst river ecosystem* (\$17,000)
- 2010–2011 Western Kentucky University, Faculty Fellowship: *Continued study of the Stoneflies (Plecoptera) of the Middle Midwestern USA and southern Ontario* (\$2,955)
- 2009–2009 Western Kentucky University, Faculty Summer Fellowship: *Plecoptera (stoneflies) of the middle Midwest: Cataloguing diversity, distribution, and conservation status* (\$6,000)
- 2007–2008 Western Kentucky University, Faculty Scholarship Grant: *Continued study of the Biogeography and Conservation Status of the Plecoptera (stoneflies) of North America* (\$2,000)
- 2006–2006 Western Kentucky University, Faculty Summer Fellowship: *Biogeography and Conservation Status of the Plecoptera (stoneflies) of North America* (\$5,000)
- 2001–2001 Western Kentucky University, Faculty Summer Fellowship: *The Perlesta shubuta group (Plecoptera: Perlidae), an enigmatic and species-rich taxon of eastern North America* (\$5,000)
- 2001–2002 Western Kentucky University, Faculty Scholarship Grant: *Assessing the importance of the egg gestation period to the life cycle of two stonefly species inhabiting an intermittent stream in north-central Tennessee* (\$1,000)
- 2000–2001 Western Kentucky University, Junior Faculty Research Grant: *Wood as stable macroinvertebrate habitat in a south-central Kentucky stream* (\$4,000)

GRANTS AND CONTRACTS: not funded (external)

- 2013–2015 National Science Foundation, **Co-Principal Investigator** (with Dr. O. Meier, A. Meier, C. Groves, B. Schulte, N. Downing, Western Kentucky University), *Increasing Research Capacity at the Green River Preserve* (\$339,544)

- 2009–2012 National Science Foundation, **Co-Principal Investigator** (with Dr. R. Edward DeWalt, Illinois Natural History Survey). *Stoneflies in the Middle Midwest, Deviation from Historical Expectations, Contemporary Risks and Phylogeography of a Rapidly Changing Fauna* (\$132,414 to WKU)
- 2008–2011 National Science Foundation, **Co-Principal Investigator** (with Dr. R. Edward DeWalt, Illinois Natural History Survey). *Stoneflies in the Middle Midwest, Deviation from Historical Expectations, Contemporary Risks, and Phylogeography of a Rapidly Changing Fauna* (\$114,705 to WKU)
- 2007–2010 National Science Foundation, **Co-Principal Investigator** (with Dr. R. Edward DeWalt, Illinois Natural History Survey). *Conservation Status of the Stoneflies (Plecoptera) of the Till and Drift Plains of the Middle Midwest* (\$118,284 to WKU)
- 2003–2008 EPA Nonpoint Source 319h FFY2002, through Kentucky Division of Conservation, **Project Partner**. *Green River Watershed Demonstration Project* (\$168,223)
- 2004–2004 Kentucky EPSCOR – National Science Foundation, **Principal Investigator**. *Detrital-Based Food Webs and Retention of Organic Matter in Small Forested Watersheds* (\$19,761)
- 2000–2001 Environmental Protection Agency, **Co-Principal Investigator** (with Dr. Michael Stokes, WKU). *Interactive On-line Exploration of Environmental Science Methods for Middle and Secondary Schools* (\$15,286)
- 2000–2001 Kentucky Water Resources Research Institute, **Principal Investigator**. *Habitat Stability, Life Histories and Resource Utilization of Snag-dwelling Mayflies* (\$9,990)
- 2000–2000 Kentucky State Nature Preserves Commission, **Principal Investigator**. *Macroinvertebrate Assessment of the Terrapin Creek State Nature Preserve* (\$2,775)
- 1999–2000 Maryland Department of Natural Resources, **Principal Investigator**. *Study of the Diversity, Distribution and Conservation Status of the Plecoptera (stoneflies) of Maryland* (\$2,711)

PUBLICATIONS: – At WKU (*=myself; WKU students authors have been underlined)

48. *Grubbs, S.A., R.W. Baumann, and A.L. Sheldon. **2015**. A review of eastern Nearctic *Zapada* with a new species from the Great Smoky Mountains (Plecoptera, Nemouridae). *Freshwater Science*, 34 (*In press*)
47. Anmala, J., O.W. Meier, A.J. Meier, and *S.A. Grubbs. **2015**. A GIS and an artificial neural network-based water quality model for a stream network in upper Green River Basin, Kentucky, USA. *Journal of Environmental Engineering*. 141(5), 04014082, doi: 10.1061/(ASCE)EE.1943-7870.0000801
46. *Grubbs, S.A., R.W. Baumann, R.E. DeWalt, and T. Tweddle. **2014**. A review of eastern Nearctic *Prostoia* (Ricker) (Plecoptera: Nemouridae), including the description of a new species and a surprising range extension for *P. hallasi* Kondratieff & Kirchner. *ZooKeys*, 401: 11–30. doi: 10.3897/zookeys.401.7299
45. Sheldon, A.L. and *S.A. Grubbs. **2014**. Distributional ecology of a rare, endemic stonefly. *Freshwater Science*, 33: 1119–1126. doi: 10.1086/678049
44. *Grubbs, S.A., M. Pessino, and R.E. DeWalt. **2013**. Distribution patterns of Ohio stoneflies, with an emphasis on rare and uncommon species. *Journal of Insect Science*, 13:72. Available online: <http://www.insectscience.org/13.72/i1536-2442-13-72.pdf>
43. *Grubbs, S.A., B.C. Kondratieff, B.P. Stark, and R.E. DeWalt. **2013**. A review of *Zealeuctra* Ricker (Plecoptera: Leuctridae) with the description of a new species from the Cumberland Plateau region of eastern North America. *ZooKeys*, 344: 17–47. doi: 10.3897/zookeys.344.5912
42. *Grubbs, S.A. **2012**. An amended redescription of the male of *Perlesta etnieri* (Plecoptera: Perlidae) plus new *Perlesta* state records. *Illiesia*, 8: 111–113. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia08-09.pdf>
41. *Grubbs, S.A. and R.E. DeWalt. **2012**. *Perlesta ephelida* (Plecoptera: Perlidae), a new eastern Nearctic stonefly species. *ZooKeys*, 194: 1–15. doi: 10.3897/zookeys.194.2972
40. *Grubbs, S.A., M. Pessino, and R.E. DeWalt. **2012**. Michigan Plecoptera (Stoneflies): distribution patterns and an updated state species list. *Illiesia*, 8: 162–173. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia08-18.pdf>
39. DeWalt, R.E., Y. Cao, *S.A. Grubbs, L. Hinz, T. Tweddle, J.L. Robinson, and M. Pessino. **2012**. Modeling presettlement range of stoneflies in Midwest, U.S.A. and Canada. *Perla*, 30: 15–22. Available online: http://plecoptera.speciesfile.org/HomePage/Plecoptera/LitArchive/PerlaNo30_2012.pdf

38. DeWalt, R.E., Y. Cao, T. Tweddale, *S.A. Grubbs, L. Hinz, and **M. Pessino**. 2012. Ohio USA stoneflies (Insecta: Plecoptera): species richness estimation, distribution of functional niche traits, drainage affiliations, and relationship to other state faunas. *ZooKeys*, 178: 1–26. doi: 10.3897/zookeys.178.2616
37. **Penick, M.D.**, *S.A. Grubbs and A.J. Meier. 2012. Algal biomass accrual in relation to nutrient availability and limitation along a longitudinal gradient of a riverine system. *International Aquatic Research*, 4:20. doi: 10.1186/2008-6970-4-20
36. *Grubbs, S.A. 2011. A review of stonefly (Insecta; Plecoptera) taxonomic research in Alabama, with new state records and an updated checklist. *Illiesia*, 7: 24–30. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia07-02.pdf>
35. *Grubbs, S.A. 2011. Influence of flow permanence on headwater macroinvertebrate communities in a Cumberland Plateau watershed, USA. *Aquatic Ecology*, 45: 185–195. doi: 10.1007/s10452-010-9345-5
34. *Grubbs, S.A. and R.E. DeWalt. 2011. *Perlesta ouabache* n. sp. (Plecoptera: Perlidae), a new species of stonefly from Indiana, U.S.A. *Aquatic Insects*, 33: 75–79. doi: 10.1080/01650424.2010.507550
33. DeWalt, R.E. and *S.A. Grubbs. 2011. Updates to the stonefly fauna of Illinois and Indiana. *Illiesia* 7: 31–50. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia07-03.pdf>
32. *Grubbs, S.A. 2010. *Leuctra usdi* n. sp., a new stonefly (Plecoptera: Leuctridae) of the *L. tenuis* (Pictet) species group from the southeastern U.S.A. plus three new Alabama state records. *Zootaxa*, 2498: 59–64. Available online: <http://www.mapress.com/zootaxa/2010/f/z02498p064f.pdf>
31. *Grubbs, S.A. and S.W. Szczytko. 2010. A new species of eastern Nearctic *Isoperla* from Alabama and Mississippi, U.S.A. (Plecoptera: Perlodidae; Isoperlinae). *Illiesia*, 6: 241–247. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia06-17.pdf>
30. *Grubbs, S.A., O.W. Meier, and A.J. Meier. 2010. Assessing the influence of watershed-and reach-scale environmental variables on the speciose darter (Percidae: *Etheostoma*, *Percina*) assemblage of a central Kentucky (U.S.A.) landscape. *Verhandlungen Internationale Vereinigung für theoretische und angewandte Limnologie*, 30 (10): 1482–1486.
29. **Ngulo, E.** and *S.A. Grubbs. 2010. Relationships between crayfish abundance patterns and environmental variables across two spatial scales in a central Kentucky river basin, USA. *Journal of Freshwater Ecology*, 26: 285–295. doi: 10.1080/02705060.2010.9665079
28. *Grubbs, S.A. and A.L. Sheldon. 2009. *Leuctra pinhoti*, a new species of stonefly (Plecoptera: Leuctridae) from Alabama, U.S.A. *Illiesia*, 5: 195–198. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia05-19.pdf>
27. *Grubbs, S.A. 2008. *Allocapnia tsalagi* sp. n. and notes on *A. recta* (Claassen) from the Cumberland Plateau region of northeastern Alabama, U.S.A. *Zootaxa*, 1754: 63–68. Available online: <http://www.mapress.com/zootaxa/2008/f/z01754p068f.pdf>
26. *Grubbs, S.A. and R.E. DeWalt. 2008. Taxonomic and distributional notes on *Perlesta teaysia*, *P. golconda*, and *P. shawnee* (Plecoptera: Perlidae). *Illiesia*, 4: 143–149. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia04-14.pdf>
25. *Grubbs, S.A. and A.L. Sheldon. 2008. *Allocapnia muskogee* and *A. menawa*, new species of snowflies (Plecoptera: Capniidae) from the Talladega National Forest region of eastern Alabama, U.S.A., plus four new state records. *Illiesia*, 4: 99–109. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia04-11.pdf>
24. *Grubbs, S.A., O.W. Meier, and A.J. Meier. 2007. Longitudinal patterns of fish assemblages in small unregulated subbasins: evaluating reach- and watershed-scale parameters. *Hydrobiologia*, 592: 211–223. doi: 10.1007/s10750-007-0745-z
23. **Studinski, J.M.** and *S.A. Grubbs. 2007. Environmental factors affecting the distribution of aquatic macroinvertebrates in temporary ponds in Mammoth Cave National Park, Kentucky, U.S.A. *Hydrobiologia*, 575: 211–220. doi: 10.1007/s10750-006-0368-9
22. *Grubbs, S.A. 2006. *Soyedina alexandria* and *S. calcarea* (Plecoptera: Nemouridae), new stonefly species from the eastern Nearctic region and notes on the life cycle of *S. calcarea*. *Illiesia*, 2: 39–49. Available online: <http://www2.pms-lj.si/illiesia/Illiesia02-06.pdf>
21. *Grubbs, S.A. 2006. *Allocapnia sano*, a new species of snowfly (Plecoptera: Capniidae) from Alabama, U.S.A., plus six new state records. *Zootaxa*, 1197: 39–43. Available online: <http://www.mapress.com/zootaxa/2006f/z01197p043.pdf>

20. *Grubbs, S.A., **C.M. Thomas**, **B.T. Hutchins**, and J.M. Taylor. 2006. Life cycles of *Leuctra* spp. and *Allocapnia recta* (Plecoptera: Leuctridae and Capniidae) across a flow gradient in a headwater karst valley. *Southeastern Naturalist*, 5: 321–332. Available online: <http://www.bioone.org/doi/full/10.1656/1528-7092%282006%295%5B321%3ALCOARA%5D2.0.CO%3B2>
19. Tarter, D.C., D.L. Chafee, and *S.A. Grubbs. 2006. An updated checklist of the stoneflies (Plecoptera) of Kentucky. *Entomological News*, 117: 1–10. Available online: <http://www.bioone.org/doi/pdf/10.3157/0013-872X%282006%29117%5B1%3ARCOTSP%5D2.0.CO%3B2>
18. *Grubbs, S.A. 2005. Distributional notes on *Leuctra alta* (Plecoptera: Leuctridae). *Entomological News*, 116: 189–190. Available online: <http://www.biodiversitylibrary.org/item/113865#page/205/mode/1up>
17. *Grubbs, S.A. 2005. *Perlesta shawnee* (Plecoptera: Perlidae), a new stonefly species from eastern North America. *Aquatic Insects*, 27: 63–69. doi: 10.1080/01650420400010485
16. *Grubbs, S.A. 2005. *Zealeuctra talladega*, a new species of Leuctridae (Plecoptera) from Alabama, U.S.A. *Illiesia*, 1: 40–42. Available online: <http://www2.pms-lj.si/illiesia/papers/Illiesia01-06.pdf>
15. *Grubbs, S.A., **C.M. Thomas**, **B.T. Hutchins**, and J.M. Taylor. 2005. Comparative life history study of two species of Nemouridae (Plecoptera) from an intermittent-perennial stream continuum from the central Kentucky karst region, U.S.A. *Verhandlungen Internationale Vereinigung für theoretische und angewandte Limnologie*, 29 (3): 912–916.
14. *Grubbs, S.A. 2004. Studies on Indiana stoneflies (Plecoptera), with an annotated and revised state checklist. *Proceedings of the Entomological Society of Washington*, 106: 864–875. Available online: <http://www.biodiversitylibrary.org/item/95279#page/881/mode/1up>
13. *Grubbs, S.A. and B.P. Stark. 2004. *Acroncuria covelli* (Plecoptera: Perlidae), a new stonefly species from eastern North America. *Proceedings of the Entomological Society of Washington*, 106: 797–800. Available online: <http://www.biodiversitylibrary.org/item/95279#page/813/mode/1up>
12. *Grubbs, S.A. and J.M. Taylor. 2004. The influence of flow impoundment and river regulation on the distribution of riverine macroinvertebrates at Mammoth Cave National Park, Kentucky, U.S.A. *Hydrobiologia*, 520: 19–28. Available online: <http://link.springer.com/content/pdf/10.1023%2FB%3AHYDR.0000027722.23374.dc.pdf>
11. *Grubbs, S.A. 2003. Notes on the distribution of *Leuctra carolinensis* and *L. variabilis* in Maryland with amended and new state records. *Entomological News*, 114: 51–53. Available online: <http://www.biodiversitylibrary.org/item/20705#page/57/mode/1up>
10. *Grubbs, S.A. and E. Bright. 2003. *Arcynopteryx compacta* (Plecoptera: Perlodidae), a Holarctic stonefly confirmed from Lake Superior, with a review and first checklist of the stoneflies of Michigan. *Great Lakes Entomologist*, 34: 77–84.
9. *Grubbs, S.A. and B.P. Stark. 2001. Notes on *Perlesta* (Plecoptera: Perlidae) from eastern North America. *Aquatic Insects*, 23: 119–122. doi: 10.1076/aqin.23.2.119.4915

Submitted, At WKU (*=myself; WKU students authors have been underlined)

- *Grubbs, S.A. *Leuctra schusteri*, a new stonefly species (Plecoptera: Leuctridae) of the *L. tenuis* (Pictet) group from the southeastern U.S.A. (**submitted to Illiesia**)
- Adkins, J.K., *S.A. Grubbs, J.W. Stringer, and C.D. Barton. Assessment of streamside management zones for conserving benthic macroinvertebrate communities following timber harvest in headwater catchments of the Cumberland Plateau (**submitted to Journal of Forestry**)
- **McClanahan, K.**, J. Polk, C. Groves, **L. Osterhoudt**, and *S. Grubbs. Dissolved inorganic carbon sourcing using $\delta^{13}\text{C}_{\text{DIC}}$ from a karst influenced river system (**submitted to Earth Surface Processes and Landforms**)

In Preparation, At WKU (*=myself; WKU students authors have been underlined)

- *Grubbs, S.A. Male genitalic features of the *Leuctra biloba* Claassen and *L. grandis* Banks species groups with an assessment of the placement of *L. crossi* James and *L. alta* James.
- *Grubbs, S.A. Additions to the stonefly (Insecta, Plecoptera) fauna of Alabama, USA, with an updated state species list.

- *Grubbs, S.A. and R.W. Baumann. The Nemouridae (The Forestflies) of eastern North America.
- *Grubbs, S.A. and R.E. DeWalt. Taxonomic notes on *Acroneuria filicis* Frison.
- *Grubbs, S.A. and R.E. DeWalt. A new species of *Perlesta* (Plecoptera: Perlidae) from eastern North America: more evidence of cryptic diversity of this diverse genus.
- Tinsley, B.E., *S.A. Grubbs, I.M. Yates, and A.J. Meier. The ecological roles of *Podostemum ceratophyllum* Michx. and *Cladophora* in the habitat and dietary preferences of riverine hydropsychid caddisflies (Trichoptera).
- I.M. Yates, S.A. Grubbs, A.J. Meier, and M.K. Collyer. The influence of *Cladophora* on the trophic dynamics of *Amblema plicata* and *Elliptio dilatata*: an in-situ mesocosm study.

Prior to WKU (*=myself)

8. *Grubbs, S.A. **1997**. New records, zoogeographic notes, and a revised checklist of stoneflies (Plecoptera) from Maryland. Transactions of American Entomological Society, 123: 71–84. Available online: <http://www.jstor.org/stable/25078627>
7. *Grubbs, S.A. **1996**. Stoneflies (Plecoptera) of the Powdermill Nature Reserve, southwestern Pennsylvania. Entomological News, 107: 255–260. Available online: <http://www.biodiversitylibrary.org/item/20638#page/279/mode/1up>
6. *Grubbs, S.A. and K.W. Cummins. **1996**. Linkages between riparian vegetation composition and shredder voltinism. Archiv für Hydrobiologie, 137: 39–58.
5. Baumann, R.W. and *S.A. Grubbs. **1996**. Two new species of *Soyedina* (Plecoptera: Nemouridae) from the Appalachian Mountains. Entomological News, 107: 220–224. Available online: <http://www.biodiversitylibrary.org/item/20638#page/240/mode/1up>
4. Raikow, D.F., *S.A. Grubbs, and K.W. Cummins. **1995**. Retention of coarse particulate organic matter in an Appalachian mountain stream. Journal of the North American Benthological Society, 14: 535–546. Available online: <http://www.jstor.org/stable/1467539>
3. *Grubbs, S.A., R.E. Jacobsen and K.W. Cummins. **1995**. Colonization by Chironomidae (Insecta; Diptera) on three distinct leaf substrates in an Appalachian mountain stream. Annales de Limnologie-International Journal of Limnology, 31: 105–118. doi: [10.1051/limn/1995007](https://doi.org/10.1051/limn/1995007)
2. *Grubbs, S.A. and K.W. Cummins. **1994**. A leaf-toughness method for directly measuring the processing of naturally entrained leaf detritus in streams. Journal of the North American Benthological Society, 13: 68–73. Available online: <http://www.jstor.org/stable/1467266>
1. *Grubbs, S.A. and K.W. Cummins. **1994**. Processing and macroinvertebrate colonization of black cherry (*Prunus serotina*) leaves in two streams differing in summer biota, thermal regime and riparian vegetation. American Midland Naturalist, 132: 284–293. Available online: <http://www.jstor.org/stable/2426584>

TECHNICAL REPORTS

- Grubbs, S. A. **2011**. Assessing short-term changes to headwater stream structure and function following alternative forest harvesting implantation. Final Report, Subaward No. UKRF 3046989200-10-377, Kentucky Water Resources Research Institute (United States Geological Survey). 17pp.
- Grubbs, S. A. **2004**. Bacteriological and Biological Assessment of the Green River and Tradewater River Watersheds. Final Report, Project Number 00-07, per U.S.E.P.A. Section §319(h) Nonpoint Source Implementation Program Cooperative Agreement (#C9994861-00) and NREPC MOA-STATE-01 for FFY 2000 to: Commonwealth of Kentucky, Natural Resources and Environmental Protection Cabinet, Kentucky Department of Environmental Protection, Kentucky Division of Water. xi + 222 pp.
- Grubbs, S. A. **2004**. Biological Monitoring Program Expansion: Green River Basin. Final Report, Project Number 00-08, per U.S.E.P.A. Section §319(h) Nonpoint Source Implementation Program Cooperative Agreement (#C9994861-00) and NREPC MOA-STATE-01 for FFY 2000 to: Commonwealth of Kentucky, Natural Resources and Environmental Protection Cabinet, Kentucky Department of Environmental Protection, Kentucky Division of Water. xii + 228 pp.
- Grubbs, S. A. **2004**. Green River Demonstration Project – Subproject 1. Workplan number #97-31 (Green River Watershed Demonstration Project – Subproject 1, #M-03043136), per U.S.E.P.A. Section §319(h) Nonpoint Source Implementation Program Cooperative Agreement (#C9994861-97) for FFY 1997 to: Commonwealth of Kentucky, Natural Resources and Environmental Protection Cabinet, Kentucky

Department of Environmental Protection, Kentucky Division of Water, Kentucky Division of Conservation. vii + 71 pp.

- Grubbs, S. A. **2004**. Department of the Interior, U. S. Fish and Wildlife Service, Federal Fish and Wildlife Permit # TE055089-0; In conjunction with research conducted at Mammoth Cave National Park, Kentucky, U.S.A., under project titled "Ecology of upland ponds at Mammoth Cave National Park, Kentucky, U.S.A. as an amendment to Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park, Kentucky, U.S.A." 31 pp.
- Grubbs, S. A. **2003**. Department of the Interior, U. S. Fish and Wildlife Service, Federal Fish and Wildlife Permit # TE055089-0; In conjunction with research conducted at Mammoth Cave National Park, Kentucky, U.S.A., under project titled "Long-Term Biological Monitoring and Assessment of the Impact of Lock and Dam #6 on the Aquatic Macroinvertebrate Assemblage of the Green River and Nolin River in Mammoth Cave National Park, Kentucky, U.S.A." 19 pp.
- Grubbs S.A. **2001**. Report: Studies in Indiana stoneflies (Plecoptera) with an annotated checklist for the state. *Submitted to:* Indiana Department of Natural Resources, Division of Nature Preserves. 25 pp.
- Grubbs S.A. **2000**. Report: Assessment of cave stream macroinvertebrates inhabiting Mill Cave Sink and Wolf Sink. *Submitted to:* Commonwealth Technology Incorporated, Lexington, Ky. 15 pp.
- Grubbs S.A. **1999**. Report: Annotated List of the Diversity, Distribution, and Conservation Status of the Stoneflies (Insecta; Plecoptera) of Maryland. *Submitted to:* Maryland Heritage and Biodiversity Conservation Program, Maryland Department of Natural Resources. 28 pp.

SCIENTIFIC PRESENTATIONS (WKU students have been underlined)

127. Barren, G., S.A. Grubbs, A.J. Meier, and O.W. Meier. **May 2015**. Epiphytic diatom community structure in a karst riverine system. Society for Freshwater Science, Milwaukee, WI
126. Grandinetti, M., D. Rockrohr, S.A. Grubbs, and A.J. Meier. **May 2015**. Decay of leaves and macroalgae and their relation to detrital food webs. Society for Freshwater Science, Milwaukee, WI
125. Smith, A., S.A. Grubbs, and A.J. Meier. **May 2015**. *Corbicula fluminea* food web ecology: an experimental transplant approach in a karst riverine system. Society for Freshwater Science, Milwaukee, WI
124. Grubbs, S.A., R. Baumann, and A. Sheldon. **May 2015**. Rediscovery of *Zapada chila* in the Great Smoky Mountains National Park and a review of the eastern members of the genus. Society for Freshwater Science, Milwaukee, WI
123. Barren, G., S.A. Grubbs, A.J. Meier, and O.W. Meier. **November 2014**. Epiphytic diatom community structure in a karst riverine system. Kentucky Academy of Science, Lexington, KY
122. Grandinetti, M., S.A. Grubbs, A.J. Meier, and D. Rockrohr. **November 2014**. Comparative decay rates of allochthonous macroproducers and riverine *Cladophora*. Kentucky Academy of Science, Lexington, KY
121. McClanahan, K., J. Polk, C. Groves, L. Osterhoudt, and S. Grubbs. **November 2014**. Carbon cycling dynamics inferred from carbon isotope sourcing in a mid-latitude karst-influenced river. Kentucky Academy of Science, Lexington, KY
120. Meier, O.W., A.J. Meier, S.A. Grubbs, and J. Kunkle. **November 2014**. WKU Green River Preserve: Conservation, Research, Education, and Service. Kentucky Academy of Science, Lexington, KY
119. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **August 2014**. Ecological Society of America, Sacramento, CA
118. DeWalt, R.E., Y. Cao, J.L. Robinson, S.A. Grubbs, T. Tweddale, and L. Hinz. **May 2014**. Society for Freshwater Science, Portland, OR
117. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **March 2014**. Western Kentucky University Student Research Conference, Bowling Green, KY
116. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **November 2013**. Kentucky Academy of Science, Morehead, KY
115. Grandinetti, M.E., D.L. Rockrohr, S.A. Grubbs, and A.J. Meier. **November 2013**. Kentucky Academy of Science, Morehead, KY
114. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **August 2013**. Ecological Society of America, Minneapolis, MN
113. Sheldon, A.L. and S.A. Grubbs. **June 2013**. North American Plecoptera Society, Lamar, PA
112. Sheldon, A.L. and S.A. Grubbs. **June 2013**. North American Plecoptera Society, Lamar, PA
111. Schmitt, W.M., S.A. Grubbs, and A.J. Meier. **May 2013**. Society for Freshwater Science, Jacksonville, FL
110. Rockrohr, D.L., S.A. Grubbs, and A.J. Meier. **May 2013**. Society for Freshwater Science, Jacksonville, FL
109. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **May 2013**. Society for Freshwater Science, Jacksonville, FL
108. Sheldon, A.L. and S.A. Grubbs. **May 2013**. Society for Freshwater Science, Jacksonville, FL

107. Grubbs, S.A., J.M. Yates, B.E. Tinsley, E.M. Malloy, and A.J. Meier. **May 2013**. Society for Freshwater Science, Jacksonville, FL
106. Sheldon, A.L. and S.A. Grubbs. **May 2013**. Society for Freshwater Science, Jacksonville, FL
105. DeWalt, R.E., Y. Cao, J.L. Robinson, S.A. Grubbs, T. Tweddale, and L. Hinz. **April 2013**. Illinois Academy of Science: Jacksonville, IL
104. Malloy, E.M., S.A. Grubbs, and A.J. Meier. **March 2013**. Western Kentucky University Student Research Conference, Bowling Green, KY
103. Yates, J.M., S.A. Grubbs, A.J. Meier, and M. Collyer. **February 2013**. Mammoth Cave Science Conference, Mammoth Cave National Park, KY
102. Malloy, E.M., V.A. Gilkison, S.A. Grubbs, A.J. Meier, and J.M. Yates. **November 2012**. Kentucky Academy of Science: Richmond, KY
101. Malloy, E.M., V.A. Gilkison, S.A. Grubbs, A.J. Meier, and J.M. Yates. **August 2012**. Ecological Society of America, Portland, OR
100. Cao, Y., R.E. DeWalt, L. Hinz, T. Tweddale, M. Pessino, and S.A. Grubbs. **May 2012**. Society for Freshwater Science, Louisville, KY
99. DeWalt, R.E., Y. Cao, S.A. Grubbs, M. Pessino, T. Tweddale, L. Hinz, and J.L. Robinson. **May 2012**. Society for Freshwater Science, Louisville, KY
98. Yates, J.M., S.A. Grubbs and A.J. Meier. **April 2012**. Freshwater Mollusk Conservation Society Workshop, Athens, GA
97. Yates, J.M., S.A. Grubbs and A.J. Meier. **March 2012**. Kentucky Water Resources Research Institute, Lexington, KY
96. Tinsley, B.E., S.A. Grubbs and A.J. Meier. **March 2012**. Western Kentucky University Student Research Conference, Bowling Green, KY
95. Yates, J.M., S.A. Grubbs and A.J. Meier. **November 2011**. Kentucky Academy of Science, Murray, KY
94. Tinsley, B.E., S.A. Grubbs and A.J. Meier. **November 2011**. Kentucky Academy of Science, Murray, KY
93. Cao, Y., R.E. DeWalt, L. Hinz, T. Tweddale, M. Pessino, and S.A. Grubbs. **May 2011**. North American Benthological Society, Providence, RI
92. Wigginton, S.K., J.R. Edwards, N.L. Roof, H.A. Steinhaus, S.D. Milesko, J.D. Webb, S.A. Bryant, J.K. Binion, E.L. Smith, B.E. Tinsley, M.D. Penick, S.A. Grubbs and A.J. Meier. **March 2011**. 14th Symposium on The Natural History of Lower Tennessee and Cumberland River Valleys, Land Between The Lakes, KY
91. Tinsley, B.E., J.M. Shearer, M.D. Penick, S.A. Grubbs, and A.J. Meier. **November 2010**. Kentucky Academy of Science, Bowling Green, KY
90. Shearer, J.M., B.E. Tinsley, M.D. Penick, S.A. Grubbs, and A.J. Meier. **November 2010**. Kentucky Academy of Science, Bowling Green, KY
89. Edwards, J.R., N.L. Roof, H.A. Steinhaus, S.D. Milesko, J.D. Webb, S.A. Bryant, S.K. Wigginton, J.K. Binion, E.L. Smith, B.E. Tinsley, M.D. Penick, S.A. Grubbs and A.J. Meier. **November 2010**. Kentucky Academy of Science, Bowling Green, KY
88. Penick, M.D., A.J. Meier, and S.A. Grubbs. **August 2010**. Ecological Society of America, Pittsburgh, PA
87. Penick, M.D., A.J. Meier, and S.A. Grubbs. **May 2010**. North American Benthological Society, Santa Fe, NM
86. Grubbs, S.A. and R.R. Bernal. **May 2010**. North American Benthological Society, Santa Fe, NM
85. Grubbs, S.A. **May 2010**. Green River CREP, Partners Meeting on Implementation and Monitoring, Bowling Green, KY
84. Penick, M.D., A.J. Meier, and S.A. Grubbs. **April 2010**. Upper Green River Aquatic Fauna Symposium, Campbellsville, KY
83. Bernal, R.R. and S.A. Grubbs. **November 2009**. Kentucky Academy of Science, Covington, KY
82. Penick, M.D. and S.A. Grubbs. **November 2009**. Kentucky Academy of Science, Covington, KY
81. Jarrell, M.S. and S.A. Grubbs. **November 2009**. Kentucky Academy of Science, Covington, KY
80. Grubbs, S.A. **November 2009**. Kentucky Academy of Science, Covington, KY
79. Schmidt, B. and S.A. Grubbs. **August 2009**. American Fisheries Society, Nashville, TN
78. Grubbs, S.A. **August 2009**. American Fisheries Society (*invited*), Nashville, TN
77. Meier, O.W., A.J. Meier, and S.A. Grubbs. **August 2009**. Ecological Society of America: Albuquerque, NM
76. DeWalt, R.E. and S.A. Grubbs. **June 2009**. North American Plecoptera Symposium, Truckee, CA
75. Jarrell, M.S. and S.A. Grubbs. **May 2009**. North American Benthological Society, Grand Rapids, MI
74. Penick, M.D., and S.A. Grubbs. **May 2009**. North American Benthological Society, Grand Rapids, MI
73. Grubbs, S.A. **May 2009**. North American Benthological Society, Grand Rapids, MI

72. Jarrell, M.S. and S.A. Grubbs. **November 2008**. Kentucky Academy of Science, Lexington, KY
71. Schmidt, B. and S.A. Grubbs. **November 2008**. Kentucky Academy of Science, Lexington, KY
70. Penick, M.D. and S.A. Grubbs. **November 2008**. Kentucky Academy of Science, Lexington, KY
69. Schmidt, B. and S.A. Grubbs. **October 2008**. Southeastern Fishes Council, Chattanooga, TN
68. Grubbs, S.A. **October 2008**. Governor's Conference for the Environment (**invited**), Lexington, KY
67. Jarrell, M.S. and S.A. Grubbs. **August 2008**. Ecological Society of America, Milwaukee, WI
66. Grubbs, S.A. **August 2008**. Ecological Society of America, Milwaukee, WI
65. O.W. Meier, A.J. Meier, S.A. Grubbs, and S. Kenworthy. **July 2008**. Society for Conservation Biology, Chattanooga, TN
64. Grubbs, S.A. North American Benthological Society. **May 2008**. Society for Conservation Biology Salt Lake City, UT
63. Claus, L. and S.A. Grubbs. **November 2007**. Kentucky Academy of Science, Louisville, KY
62. Schmidt, B. and S.A. Grubbs. **November 2007**. Kentucky Academy of Science, Louisville, KY
61. Wilsey, J. and S.A. Grubbs. **November 2007**. Kentucky Academy of Science, Louisville, KY
60. Grubbs, S.A. **November 2007**. Kentucky Academy of Science, Louisville, KY
59. Grubbs, S.A. **October 2007**. Southeastern Fishes Council, Chattanooga, TN
58. Meier, O.W., A.J. Meier, S.A. Grubbs, and S. Kenworthy. **August 2007**. Ecological Society of America, San Jose, CA
57. Grubbs, S.A., O.W. Meier, and A.J. Meier. **August 2007**. International Association of Theoretical and Applied Limnology: Montreal, PQ, CANADA
56. DeWalt, R.E., D.W. Webb, and S.A. Grubbs. **June 2007**. North American Benthological Society, Columbia, SC
55. Grubbs, S.A., O.W. Meier, and A.J. Meier. **June 2007**. North American Benthological Society, Columbia, SC
54. Grubbs, S.A., O.W. Meier, and A.J. Meier. **April 2007**. The Nature Conservancy's Upper Green River Aquatic Fauna Symposium: Campbellsville, KY
53. DeWalt, R.E., D.W. Webb, and S.A. Grubbs. **December 2006**. Entomological Society of America, Indianapolis, IN
52. Ngulo, E. and S.A. Grubbs. **November 2006**. Kentucky Academy of Science: Morehead, KY
51. Grubbs, S.A., A.J. Meier, and O.W. Meier. **November 2006**. Kentucky Academy of Science: Morehead, KY
50. Grubbs, S.A., A.J. Meier, and O.W. Meier. **August 2006**. Ecological Society of America, Memphis, TN
49. Meier, O.W., A.J. Meier, and S.A. Grubbs. **August 2006**. Ecological Society of America, Memphis, TN
48. Grubbs, S.A. and A.L. Sheldon. **May 2006**. North American Plecoptera Symposium, Dixon Springs, IL
47. Grubbs, S.A. **May 2006**. North American Plecoptera Symposium, Dixon Springs, IL
46. Grubbs, S.A. **April 2006**. The Nature Conservancy's Upper Green River Aquatic Fauna Symposium, Campbellsville, KY
45. Grubbs, S.A., O.W. Meier, and A. J. Meier. **November 2005**. Kentucky Academy of Science, Richmond, KY
44. Thomas, C.M. and S.A. Grubbs. **November 2005**. Kentucky Academy of Science, Richmond, KY
43. Studinski, J.M. and S.A. Grubbs. **November 2005**. Kentucky Academy of Science, Richmond, KY
42. Studinski, J.M. and S.A. Grubbs. **May 2005**. North American Benthological Society, New Orleans, LA
41. Grubbs, S.A., O.W. Meier, and A.J. Meier. **May 2005**. North American Benthological Society, New Orleans, LA
40. Studinski, J.M. and S.A. Grubbs. **November 2004**. Kentucky Academy of Science, Murray, KY
39. Hutchins, B.T., C.M. Thomas, and S.A. Grubbs. **November 2004**. Kentucky Academy of Science: Murray, KY
38. O.W. Meier, S.A. Grubbs, A. J. Meier, and J. Anmala. **August 2004**. Ecological Society of America, Portland, OR
37. Grubbs, S.A., B.T. Hutchins, and C.M. Thomas. **August 2004**. International Association of Theoretical and Applied Limnology, Lahti, FINLAND
36. Grubbs, S.A., J.M. Taylor, and G.J. Pond. **June 2004**. North American Benthological Society: Vancouver, BC, CANADA
35. Thomas, C.M., B.T. Hutchins, and S.A. Grubbs. **June 2004**. North American Benthological Society: Vancouver, BC, CANADA
34. Hutchins, B.T., C.M. Thomas, and S.A. Grubbs. **March 2004**. Posters-At-The-Capitol, Frankfort, KY
33. Grubbs, S.A., J.M. Taylor, and G.J. Pond. **March 2004**. Kentucky Water Resources Research Institute, Lexington, KY

32. **Hutchins, B., C. Thomas,** and S.A. Grubbs. **November 2003.** Kentucky Academy of Science, Bowling Green, KY
31. Grubbs, S.A., G. Pond, and J.M. Taylor. **November 2003.** WKU Center for Biodiversity Studies-Mammoth Cave Science Joint Conference, Bowling Green, KY
30. Grubbs, S.A., O.W. Meier, and A. J. Meier. **November 2003.** WKU Center for Biodiversity Studies-Mammoth Cave Science Joint Conference, Bowling Green, KY
29. Meier, O.W., A. J. Meier, and S.A. Grubbs. **August 2003.** Ecological Society of America, Savannah, GA
28. Grubbs, S.A. **June 2003.** North American Plecoptera Symposium, Gunnison, CO
27. Grubbs, S.A., C. Thomas, and B. Hutchins. **June 2003.** North American Plecoptera Symposium, Gunnison, CO
26. Grubbs, S.A. and J.M. Taylor. **May 2003.** North American Benthological Society, Athens, GA
25. Grubbs, S.A. and J.M. Taylor. **June 2002.** American Society for Limnology and Oceanography, Victoria, BC, CANADA
24. Grubbs, S.A. and J.M. Taylor. **May 2002.** North American Benthological Society, Pittsburgh, PA
23. Taylor, J.M. and, **C. Brooks,** and S.A. Grubbs. **May 2002.** North American Benthological Society, Pittsburgh, PA
22. Grubbs, S.A. and J.M. Taylor. **April 2002.** Kentucky Biodiversity Conference, WKU Center for Biodiversity Studies, Bowling Green, KY
21. **Brooks, C.** and S.A. Grubbs. **April 2002.** Association of Southeastern Biologists, Boone, NC
20. **Lewis, B.** and S.A. Grubbs. **April 2002.** Association of Southeastern Biologists, Boone, NC
19. Taylor, J.M., **C. Brooks,** and S.A. Grubbs. **April 2002.** Association of Southeastern Biologists, Boone, NC
18. Grubbs, S.A. and J.M. Taylor. **March 2002.** Mammoth Cave Science Conference, Mammoth Cave National Park, KY
17. Taylor, J.M., **C. Brooks,** and S.A. Grubbs. **November 2001.** Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
16. **Lewis, B.** and S.A. Grubbs. **November 2001.** Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
15. Grubbs, S.A., G.W. Pond. **November 2001.** Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
14. **Ferguson, J.M.** and S.A. Grubbs. **November 2001.** Kentucky/Tennessee Academy of Sciences, Joint Meeting: Murfreesboro, TN
13. Grubbs, S.A., J.M. Taylor, **C. Brooks, B. Lewis,** and P. Lienesch. **October 2001.** Southeastern Water Pollution Biologist Association Conference: Bowling Green, KY
12. Grubbs, S.A. **June 2001.** North American Benthological Society, La Crosse, WI
11. Grubbs, S.A. **April 2001.** Kentucky Biodiversity Conference. WKU Center for Biodiversity Studies, Bowling Green, KY
10. Grubbs, S.A. **November 2000.** Kentucky Academy of Science, Lexington, KY
9. Grubbs, S.A. **May 2000.** North American Plecoptera Symposium, Provo, UT
8. Grubbs, S.A. **May 2000.** North American Benthological Society, Keystone, CO
7. Grubbs, S.A. and K.W. Cummins. **June 1995.** North American Benthological Society, Keystone, CO
6. Grubbs, S.A., R.E. Jacobsen, and K.W. Cummins. **April 1995.** Western Pennsylvania Symposium of Ecologists, Evolutionary Biologists & Systematists, Powdermill Biological Station, PA
5. Grubbs, S.A., R.E. Jacobsen, and K.W. Cummins. **March 1995.** Eastern Branch of the Entomological Society of America, Harrisburg, PA
4. Grubbs, S.A., R.E. Jacobsen, and K.W. Cummins. **August 1994.** International Congress of Dipterology, Guelph, ON, CANADA
3. Grubbs, S.A. and K.W. Cummins. **May 1994.** North American Benthological Society, Orlando, FL
2. Raikow, D.F., S.A. Grubbs, and K.W. Cummins. **May 1994.** North American Benthological Society, Orlando, FL
1. Grubbs, S.A. and K.W. Cummins. **May 1993.** North American Benthological Society, Calgary, AB, CANADA

DIRECTED STUDENT RESEARCH: Chair, Masters and Undergraduate Honors Students

Master's Thesis students – in progress

- Megan Grandinetti, M.S., anticipated **December 2015:** Decay dynamics of macroproducers in a karst riverine ecosystem and its importance to benthic detrital foodwebs

Master's Thesis students - completed

13. Gregory Barren, M.S., **May 2015**: Epiphytic diatom community structure in a karst riverine system. Available online: <http://digitalcommons.wku.edu/theses/1474/>
12. Elizabeth Malloy, M.S. **December 2014**: Trophic dynamic interactions in a temperate river: a comparison between well-developed and weakly-developed karst reaches. Available online: <http://digitalcommons.wku.edu/theses/1437/>
11. Jennifer Yates, M.S. **December 2012**: Influences of a *Cladophora* bloom on the diets of *Amplema plicata* and *Elliptio dilatata* in the Upper Green River, Kentucky. Available online: <http://digitalcommons.wku.edu/theses/1221/>
10. Mary Penick, M.S. **August 2010**: Why is the Green River green? An assessment of nutrient limitation along a longitudinal gradient in the upper Green River. Available online: <http://digitalcommons.wku.edu/theses/190/>
9. Robin Bernal, M.S. **May 2010**: Effects of hydrologic gradients on woody debris breakdown and macroinvertebrate colonization in a Cumberland Plateau watershed in eastern Kentucky, U.S.A. Available online: <http://digitalcommons.wku.edu/theses/149/>
8. Miller Jarrell, M.S. **May 2009**: Assessing organic matter breakdown and associated macroinvertebrate community structure in headwater streams: effects of hydrologic gradients and upland timber harvesting. Available online: <http://digitalcommons.wku.edu/theses/96/>
7. Bjorn Schmidt, M.S. **December 2008**: Comparative ecology of the headwater darter (*Etheostoma lawrencei*) and Highland Rim darter (*E. kantuckeense*) in the Green River Basin, Kentucky, U.S.A. Available online: <http://digitalcommons.wku.edu/theses/76/>
6. Joshua Wilsey, M.S. **May 2008**: Longitudinal distribution of the fishes along the upper Green River, Kentucky: assessing importance of hydrologic and thermal variability. Available online: <http://digitalcommons.wku.edu/theses/387/>
5. Eva Ngulo, M.S. **December 2007**: Environmental factors regulating the distribution of crayfish in the upper Green River Basin, Kentucky, U.S.A. Available online: <http://digitalcommons.wku.edu/theses/411/>
4. Brian Lewis, M.S. **May 2007**: The effect of ecological gradients on the fish assemblages of the Green and Tradewater River Basins of Kentucky. Available online: <http://digitalcommons.wku.edu/theses/369/>
3. Jered Studinski, M.S. **August 2005**: Macroinvertebrate assemblages in autumnal wetlands at Mammoth Cave National Park, Kentucky. Available online: <http://digitalcommons.wku.edu/theses/482/>
2. Joseph Ferguson, M.S. **December 2004**: Habitat stability, life histories, and resource utilization of snag-dwelling mayflies (Ephemeroptera) and predaceous stoneflies (Plecoptera) in a south-central Kentucky stream.
1. Carrie Brooks, M.S. **December 2002**: The effects of taxonomic resolution on a macroinvertebrate assessment: an analysis based on metrics.

Undergraduate Honors students - completed

2. Autumn Smith, B.S. with Honors, **May 2015**: *Corbicula fluminea* foodweb ecology.
1. Brenna Tinsley, B.S. with Honors, **May 2012**: The ecological roles of *Podostemum ceratophyllum* and *Cladophora* in the habitat and dietary preferences of the riverine caddisfly *Hydropsyche simulans*. Available online: http://digitalcommons.wku.edu/stu_hon_theses/359/

DIRECTED STUDENT RESEARCH: Committee Member, Masters Students**Master's students - completed**

4. Kegan McClanahan, M.S., **May 2014**. Dissolved inorganic carbon isotope origin and exchange dynamics in the Green River, south-central Kentucky, USA.
3. Derek Rupert, M.S., **May 2012**. Comparison of creel survey data to traditional sampling techniques in pit-lake fisheries of Muhlenberg County, Kentucky.
2. Peter Zervas, M.S., **August 2010**. Age, reproduction, growth, condition and diet of the introduced Yellow Bass, *Morone mississippiensis*, in Barren River Lake, Kentucky.
1. Clement Akotsen-Mensah, M.S., **May 2006**. Description of a new genus of spider beetle from South Africa and phylogenetic analysis of the Gibbiinae (Coleoptera: Ptinidae).