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## CHRONOLOGICAL RECORD OF HBS SCIENTIFIC PAPERS, REPORTS, & BOOKS, 2000 – 2020

### 2020

- Ash, A. 2020. Temporal partitioning of foraging in *Plethodon metcalfi*. *Herpetological Conservation & Biology* 15(1): 61–68.
- Barden, L. S. and J. T. Costa. 2020. Four decades of Table Mountain pine demography on Looking Glass Rock, Transylvania Co., NC, USA. *Castanea* 85(1): 23–31.
- Doll, J. C., L. Etchison, and D. Owensby. 2020. Population estimate of the State and Federally threatened Spotfin Chub using underwater observations. *North American Journal of Fisheries Management* 40(2): 342–353. DOI: 10.1002/nafm.10414.
- Gade, M. R., G. M. Connette, J. A. Crawford, D. J. Hocking, J. C. Maerz, J. M. Milanovich, and W.E. Peterman. 2020. Predicted alteration of terrestrial salamander surface activity as a consequence of climate change. *Ecology*. DOI: 10.1002/ecy.3154
- Hale, R., E. Powell, L. Beikmohamadi, and M. L. Alexander. 2020. Effects of arthropod inquilines on growth and reproductive effort among metacommunities of the purple pitcher plant (*Sarracenia purpurea* var. *montana*). *PLoS One* 15(5): e0232835. DOI: 10.1371/journal.pone.0232835.
- Lytle, A. J., J. T. Costa, and R. J. Warren. 2020. Invasion and high-elevation acclimation of the red imported fire ant, *Solenopsis invicta*, in the southern Blue Ridge escarpment region of North America. *Plos One* 15(5): e0232264. DOI: 10.1371/journal.pone.0232264.
- O'Donnell, M. K. and S. M. Deban. 2020. Cling performance and surface area of attachment in plethodontid salamanders. *Journal of Experimental Biology* 223: jeb211706.
- Riddell, E. A. and M. W. Sears. 2020. Terrestrial salamanders maintain habitat suitability under climate change despite trade-offs between water loss and gas exchange. *Physiological and Biochemical Zoology* 93(4): 310–319.

### 2019

- Bruce, R. C. 2019. Life history evolution in plethodontid salamanders and the

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evolutionary ecology of direct development in Dusky Salamanders (*Desmognathus*). *Herpetological Review* 50(4): 673–682.

- Gade, M. R. and W. E. Peterman. 2019. Multiple environmental gradients influence the distribution and abundance of a key forest-health indicator species in the Southern Appalachian Mountains, USA. *Landscape Ecology* 34 (3): 569–582. DOI: 10.1007/s10980-019-00792-0.
- Gade, M. R., P. R. Gould, and W. E. Peterman. 2019. Habitat-dependent responses of terrestrial salamanders to wildfire in the short-term. *Forest Ecology and Management* 449: 117479.
- Lendemer, J. C. and J. L. Allen. 2019. *Hypotrachyna oprah* (Parmeliaceae, Lichenized Ascomycota), a new foliose lichen with lichexanthone from southeastern North America. *Castanea* 84(1): 24–32.
- Miniat, C. F., P. P. Clinton, and L. K. Everage. 2019. The effects of off-highway vehicle trails and use on stream water quality in the North Fork of the Broad River. *Transactions of the American Society of Agricultural and Biological Engineers* 62(2): 1–10. DOI: 10.13031/trans.13098.
- Riddell, E. A., E. Y. Roback, C. E. Wells, K. R. Zamudio, and M. W. Sears. 2019. Thermal cues drive plasticity of desiccation resistance in montane salamanders with implications for climate change. *Nature Communications* 10: 4091.
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- Wilburn, D. B. and R. C. Feldhoff. 2019. An annual cycle of gene regulation in the red-legged salamander mental gland: From hypertrophy to expression of rapidly evolving pheromones. *BMC Developmental Biology* 19:10.

## 2018

- Augustine, K. E. and J. G. Kingsolver. 2018. Biogeography and phenology of oviposition preference and larval performance of *Pieris virginiensis* butterflies on native and invasive host plants. *Biological Invasions* 20: 413–422.
- Costa, J. T. 2018. The other insect societies: Overview and new directions. *Current Opinion in Insect Science*. Special Issue on Social Evolution. 28: 40–49.
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- Jones, K. S. and D. W. Weisrock. 2018. Genomic data reject the hypothesis of sympatric ecological speciation in a clade of *Desmognathus* salamanders. *Evolution* 72(11): 2378–2393.

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- Milne, M. A. and D. A. Waller. 2018. Carnivorous pitcher plants eat a diet of certain spiders, regardless of what's on the menu. *Ecosphere* 9(11): 1–10 [Article e02504]
- Riddell, E. A., J. P. Odom, J. D. Damm, and M. W. Sears. 2018. Plasticity reveals hidden resistance to extinction under climate change in the global hotspot of salamander diversity. *Science Advances* 4: eaar5471.
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- Veach, A. M., C. E. Stokes, J. Knoepp, A. Jumpponen, & R. Baird. 2018. Fungal communities and functional guilds shift along an elevational gradient in the southern Appalachian mountains. *Microbial Ecology* 76: 156–168.
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**2017**

**\*\* Papers stemming from the August 2016  
Special Highlands Conference on Plethodontid Salamander Biology! \*\***

*Herpetological Review*, volume 48(3) 2017

[https://ssarherps.org/herpetological-review-pdfs/Herpetological History](https://ssarherps.org/herpetological-review-pdfs/Herpetological%20History)

Lungless in Highlands: A Brief History of Research and Education on Plethodontid Salamanders at Highlands Biological Station: Richard C. Bruce (pp. 576–581)

*Herpetologica*, volume 73(3) 2017

<http://www.hljournals.org.proxy195.nclive.org/toc/herp/73/3?code=herl-site>

*Updated 12/2020*



Introduction to the Special Highlands Conference on Plethodontid Salamander Biology: Sarah K. Woodley, James T. Costa and Richard C. Bruce (pp. 177–179)

Eastern Red-backed Salamanders Regulate Top-Down Effects in a Temperate Forest-Floor Community: Cari-Ann M. Hickerson, Carl D. Anthony and B. Michael Walton (pp. 180–189)

The Evolution of Courtship Behavior in Plethodontid Salamanders: Contrasting Patterns of Stasis and Diversification: Stevan J. Arnold, Karen M. Kiemnec-Tyburczy and Lynne D. Houck (pp. 190–205)

Gene Duplication, Co-option, Structural Evolution, and Phenotypic Tango in the Courtship Pheromones of Plethodontid Salamanders: Damien B. Wilburn, Stevan J. Arnold, Lynne D. Houck, Pamela W. Feldhoff and Richard C. Feldhoff (pp. 206–219)

What Drives Variation in Plethodontid Salamander Species Richness over Space and Time?: Kenneth H. Kozak (pp. 220–228)

The Geography of Speciation in Neotropical Salamanders: Sean M. Rovito (pp. 229–241)

Persistent Plethodontid Themes: Species, Phylogenies, and Biogeography: David B. Wake (pp. 242–251)

How Metamorphosis Is Different in Plethodontids: Larval Life History Perspectives on Life-Cycle Evolution: Christopher K. Beachy, Travis J. Ryan and Ronald M. Bonett (pp. 252–258)

Life in the Slow Lane: Stress Responses in Plethodontid Salamanders: Sarah K. Woodley (pp. 259–268)

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Brannon, M. P., J. K. H. Brannon, and R. E. Baird. 2017. Educational applications of small mammal skeletal remains found in discarded bottles. *Southeastern Naturalist* 16(Special Issue 10): 4–10.

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- Bruce, R. C. 2017. A provisional model of demography in *Desmognathus ocoee* (Amphibia, Plethodontidae). *Copeia* 105(4): 634–639.
- Bruce, R. C. 2017. A provisional model of demography in *Desmognathus ocoee* (Amphibia, Plethodontidae). *Copeia* 105(4): 634–639.
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