

## PUBLICATIONS

### *Articles, abstracts and book chapters*

- 2017 Chabarría, R.E., C.M. Murray, P.E. Moler, **H. L. Bart Jr.**, B. I. Crother and C. Guyer. Historical Biogeography and Taxonomy of *Necturus beyeri* (Amphibia: Caudata). *Journal of Zoological Systematics and Evolutionary Research* (DOI: 10.1111/jzs.12203).
- 2017 Schmidt, R.C., **H. L. Bart Jr.**, F. Pezold, J. P. Friel. A biodiversity hotspot heats up: nine new species of suckermouth catfishes (Mochokidae: *Chiloglanis*) from Upper Guinean Forest streams in West Africa. *Copeia* 105, No. 2, 2017, 301–338.
- 2017 Piller, K. R. and **H. L. Bart Jr.** Rediagnosis of the Tuckasegee Darter, *Etheostoma gutselli* (Hildebrand), a Blue Ridge endemic. *Copeia* 105, No. 3, 2017, 569–574.
- 2017 Schmidt, R.C., **H. L. Bart Jr.**, W. D. Nyingi. Multi-locus phylogeny reveals widespread introgression and unrecognized diversity in Kenyan barbs (Cyprininae: Smiliogastrini). *Molecular Phylogenetics and Evolution* 111 (2017) 35–43.
- 2016 Schmidt, R. C., **H. Bart** and F. Pezold. High levels of endemism in suckermouth catfishes (Mochokidae: *Chiloglanis*) from the Upper Guinean forests of West Africa. *Molecular Phylogenetics and Evolution* 100:199-205.
- 2016 Ellwood, L., **H. Bart**, M. Doosey, D. Jue, G. Nelson, N. Rios, A. Mast. Mapping Life—Quality Assessment of Novice and Computer Automated vs. Expert Georeferences. *Citizen Science: Theory and Practice* (<http://theoryandpractice.citizenscienceassociation.org/>)
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- 2014 Powers, K. E., Prather, L. A., Cook, J. A., Woolley, J., Bart, H. L., Jr., Monfils, A. K., & Sierwald, P. Revolutionizing the use of natural history collections in education. *The Science Education Review*, 13(2), 24-33.
- 2014 Schmidt, Ray C., **Henry L. Bart Jr.**, Wanja D. Nyingi, Nathan N. Gichuki. Phylogeny of suckermouth catfishes (Mochokidae: Chiloglanis) from Kenya: the utility of Growth Hormone introns in species level phylogenies. *Molecular Phylogenetics and Evolution* 79:415-421.
- 2014 Doosey, Michael H. and **Henry L. Bart Jr.** Buffalofishes. Pp 258-263, *In: M. Eberle (Ed.), Fishes of Kansas*. University Press of Kansas, Lawrence, KS.
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- 2012 Clements, M.D., **H. L. Bart, Jr.** and D. L. Hurley. A different perspective on the phylogenetic relationships of the Moxostomatini (Cypriniformes: Catostomidae) based on cytochrome-b and Growth Hormone intron sequences. *Molecular Phylogenetics and Evolution* 63:159–167.

- 2011 Doosey, M.H. and **H. L. Bart, Jr.** Morphological variation of the palatal organ and chewing pad of catostomidae (Teleostei: Cypriniformes). *J. Morphology* 272: 1092-1108.
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- 2011 Saitoh, K., T. Sado, M.H. Doosey, **H.L. Bart, Jr.**, J.G. Inoue, M. Nishida, R.L. Mayden, and M. Miya. Evidence from mitochondrial genomics supports the lower Mesozoic of South Asia as the time and place of basal divergence of cypriniform fishes (Actinopterygii: Ostariophysi). *Zoological Journal of the Linnean Society* 161:633–662.
- 2011 Albert, J.S., **H.L. Bart, Jr.** and Roberto E. Reis. Species richness and cladal diversity. pp 89-104 *In*: J.S. Albert and R.E. Reis (Eds.) *Historical Biogeography of Neotropical Freshwaters*. University of California Press.
- 2010 Cashner, M.F. and **H. L. Bart, Jr.** Reproductive Ecology of Nest Associates: Use of RFLPs to Identify Cyprinid Eggs. *Copeia* 2010(4): 554-557.
- 2010 **Bart, H.L. Jr.**, M.D. Clements, R. E. Blanton, K. R. Piller, D. L. Hurley. Discordant molecular and morphological evolution in buffalofishes (Actinopterygii: Catostomidae). *Molecular Phylogenetics and Evolution* 56 (2010) 808–820.
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- 2010 Chen, Y., S. Huang, H. Chen, and **H. L. Bart, Jr.** Joint feature selection and classification for taxonomic problems within fish species complexes. *Pattern Analysis and Applications* 13 (2): 23–34.
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<https://doi.org/10.1371/journal.pbio.1000309>.

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2004. Piller, K.R., **H.L. Bart, Jr.** and J. A. Tipton. Decline of the frecklebelly madtom, *Noturus munitus* (Teleostomi: Ictaluridae) in the Pearl River Basin. *Transactions of the American Fisheries Society* 133: 1004-1013.
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*Published conference papers*

- 2005 Chen, Yixin, **H.L. Bart, Jr.**, and F. Teng. A Content-Based Image Retrieval System for Fish Taxonomy. 7th ACM SIGMM International Workshop on Multimedia Information Retrieval, pp. 237-244, Singapore, 2005.
- 2005 Chen, Y., **H. L. Bart, Jr.**, S. Huang, and H. Chen. A Computational Framework for Taxonomic Research: Diagnosing Body Shape within Fish Species Complexes, pp: 593-596 *In: Proceedings of 5th IEEE International Conference on Data Mining (ICDM)* Houston, Texas, November 2005. (PDF, 219K) (citation)
- 2006 Chen, H., S. Huang and **H. L. Bart, Jr.** Taxonomy of fish species complexes: a role for multimedia information, pp 475-479 *In: Proceedings 2006 IEEE, International Workshop on Multimedia Signal Processing*, Victoria, British Columbia.
- 2007 Chen, Y., **H. L. Bart, Jr.**, X. Dang, and H. Peng. Depth-Based Novelty Detection and its Application to Taxonomic Research, pp: 113-122 *In: Proceedings 7<sup>th</sup> IEEE International Conference on Data Mining (ICDM)*.

*Published abstracts:*

- 1985 **Bart, H.L., Jr.** Stability and resiliency of fish assemblages in an Ozark stream. *Dissert. Abstr.* 46:2543B.



- 1991 **Bart, H.L., Jr.** Regional influences on stream fish diversity in the southeast. Association of Southeastern Biologists (ASB) Bulletin 38(2):129.
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- 1994 Machado, M.D., D.C. Heins and **H.L. Bart, Jr.** Analysis of stream flow variables and their relationship to runoff in a Gulf Coast river system. ASB Bulletin 41(2):116.
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- 1999 Burse, J.R., A.O. Cheek, and **H.L. Bart, Jr.** Immunohistochemical detection of vitellogenin (vg) in formalin-fixed livers of *Lepomis macrochirus*. ASB 46(2): 146-147.
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- 2000 Tipton, J. A., K. R. Piller, and **H.L. Bart, Jr.** The relationship of darter distribution to geomorphic changes in the Pearl River, MS. ASB Bulletin 47(2):153
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- 2001 **Bart, H.L., Jr.** Lower Mississippi River and coastal Louisiana: challenges of the past and present, opportunities for the future (symposium introduction). Southeastern Biology 48(3): 227-228.

*Book reviews*

- 1998 **Bart, H.L., Jr.** Type catalogue of recent and fossil North American freshwater fishes: families cyprinidae, catostomidae, ictaluridae, centrarchidae, and elassomatidae. *Copeia* 1998 (4):1120-1121.
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*Other contributions:*

- 2010 **Bart, H.L., Jr.** Royal Dallas Suttkus (1920-2009). *Copeia* 2010, No. 2, 341–345.