



Dr. Charles H. Nelson

Prof. Charles H. Nelson, retired in 2011 after a distinguished 42-year career at the University of Tennessee at Chattanooga. During his tenure at that institution as a noted scholar and teacher, he ably filled the important administrative positions as Acting Dean for the College of Arts and Sciences, Department Head, Department of Biological and Environmental Sciences, and Department Head of the Department of Biology. He is currently an Emeritus Professor at the University of Tennessee at Chattanooga. Prof. Nelson's PhD program was directed by the late **Dr. John F. Hanson (the 2012 Lifetime Achievement Awardee)** at the University of Massachusetts. His 1969 dissertation, "**Contribution to the anatomy and evolution of the family Pteronarcidae (Plecoptera)**" is considered a "classic" in modern Plecoptera literature. Dr. Nelson has received numerous honors from the University of Tennessee including induction

into the Council of Scholars; recognized as an Outstanding Teacher of the College of Arts and Sciences; awarded the Excellence in Scholarship Award from the College of Arts and Sciences; the Outstanding Service Award, College of Arts and Sciences; and the University Service Award. He hosted the 4th North American Plecoptera Symposium at the University of Tennessee at Chattanooga, May 20-22, 1994. Prof. Nelson has presented numerous talks and seminars including talks at the V International Symposium on Plecoptera, Washington, D.C., Xth International Symposium on Plecoptera, Granada, Spain, XVI International Symposium on Plecoptera, XII International Conference, Stuttgart, Germany, and XIII International Conference on Ephemeroptera and the XVII International Symposium on Plecoptera, Wakayama, Japan.

PUBLICATIONS

- Nelson, C. H. and J. F. Hanson. 1968. Two species of *Alloperla* (Plecoptera: Chloroperlidae) from China. *J. Kansas Entomol. Soc.* 41 (4): 425-428.
- Nelson, C. H. and J. F. Hanson. 1969a. The external anatomy of *Pteronarcys (Allonarcys) proteus* Newman and *Pteronarcys (Allonarcys) biloba* Newman (Plecoptera: Pteronarcidae). *Trans. Amer. Entomol. Soc.* 94: 429-472.
- Nelson, C. H. and J. F. Hanson. 1969b. The genus *Utaperla* (Plecoptera: Chloroperlidae). *Pan-Pac. Entomol.* 45 (1): 26-34.
- Nelson, C. H. and J. F. Hanson. 1971. Contribution to the anatomy and phylogeny of the family Pteronarcidae. *Trans. Amer. Entomol. Soc.* 97:123-200.
- Nelson, C. H. and J. F. Hanson. 1973a. The genus *Perlomyia* (Plecoptera: Leuctridae). *J. Kansas Entomol. Soc.* 46 (2): 187-199.
- Nelson, C. H. 1973b. Synopsis of the genus *Chilenoperla* (Plecoptera: Gripopterygidae). *Pan-Pac. Entomol.* 49 (4): 315-324.
- Nelson, C. H. and G. S. Van Horn. 1975. A new simplified method for constructing Wagner Networks and the cladistics of *Pentachaeta* (Compositae, Astereae). *Brittonia* 27:362-372.
- Nelson, C. H. 1976. A new species of *Isoperla* (Plecoptera: Perlodidae) from Tennessee. *J. Kansas Entomol. Soc.* 49 (2): 212-214.
- Nelson, C. H., D. C. Tarter, and M. L. Little. 1977a. Description of the adult male of *Allonarcys comstocki* (Smith) (Plecoptera: Pteronarcidae). *Entomol. News.* 88 (1-2): 33-36.
- Nelson, C. H. 1977b. The position of "*Leuctra*" *divisa* Hitchcock within family Leuctridae (Plecoptera). *Entomol. News* 88 (9-10): 235-240.
- Nelson, C. H. 1978. Recognition of convergence and parallelism on Wagner Trees. *Systematic Zoology* 27 (1): 122-124.
- Nelson, C. H. 1979. *Hansonoperla appalachia*, a new genus and a new species of eastern Nearctic Acroneuriini (Plecoptera: Perlidae), with a phenetic analysis of the genera of the Tribe. *Ann. Entomol. Soc. Am.* 72: 735-739.
- Nelson, C. H. and B. C. Kondratieff. 1980. Description of a new species of *Alloperla* (Plecoptera: Chloroperlidae) from Virginia. *J. Kansas Entomol. Soc.* 53 (4): 801-804.
- Nelson, C. H. 1982. Notes on the life histories of *Strophopteryx limata* (Frison) and *Oemopteryx contorta* (Needham and Claassen) (Plecoptera: Taeniopterygidae) in Tennessee. *J. Tennessee Acad. Sci.* 57 (1): 9-15.

- Nelson, C. H., and B. C. Kondratieff. 1983. *Isoperla major*, a new species of eastern Nearctic Isoperlinae (Plecoptera: Perlodidae). *Ann. Entomol. Soc. Am.* 76: 270-273.
- Nelson, C. H. and R. E. Garth. 1984a. Oxygen consumption of several species of Plecoptera. *J. Tennessee Acad. Sci.* 59 (1&2): 27-28.
- Nelson, C. H. 1984b. Numerical cladistic analysis of phylogenetic relationships in Plecoptera. *Ann. Entomol. Soc. Am.* 77 (4): 466-473.
- Nelson, C. H. 1988. Note on the phylogenetic systematics of the family Pteronarcyidae (Plecoptera), with a description of the eggs and nymphs of the Asian species. *Ann. Entomol. Soc. Am.* 812 (4): 560-576.
- Duffield, R. M., and C. H. Nelson. 1990. Seasonal emergence patterns and diversity of Plecoptera on Big Hunting Creek, Maryland, with a checklist of the stoneflies of Maryland. *Entomol. Soc. Wash.* 92 (1): 120-126.
- Nelson, C. H., S. M. Mayfield, and R. Garth. 1990. The effect of temperature and body weight on the oxygen consumption rate of the nymphs of *Pteronarcys scotti* Ricker and *Acroneuria abnormis* (Newman) [Insecta: Plecoptera]. *J. Tenn. Acad. Sci.* 65 (1): 25-28.
- Nelson, C. H. 1991. Preliminary note on the comparative morphology of the stonefly pretarsus (Plecoptera). Pp. 135-156. *In* J. Alba-Tercedor and A. Sanchez-Ortega [eds.], *Overview and strategies of Ephemeroptera and Plecoptera*. Sandhill Crane Press, Gainesville, Florida, pp. i-xiv, 1-588.
- Duffield, R. M. and C. H. Nelson. 1993. Seasonal changes in the stonefly (Plecoptera) component of the diet profile of the trout in Big Hunting Creek, Maryland, USA. *Aquatic Insects* 15: 141-148.
- Duffield, R. M., O. S. Flint, and C. H. Nelson. 1994. *Glossosoma verdona* (Glossosomatidae: Trichoptera) in the diet of brook trout (*Salvelinus fontinalis*) in Libby Creek, Wyoming, USA. *J. Kansas Entomol. Soc.* 67 (3): 277-282.
- Kondratieff, B. C. and C. H. Nelson. 1995. A review of the genus *Remenus* Ricker (Plecoptera: Perlodidae), with the description of two new species. *Proc. Entomol. Soc. Washington* 97 (3): 596-602.
- Turner, T. S., J. L. Pittman, M. E. Poston, R. L. Peterson, M. Mackenzie, C. H. Nelson, and R. M. Duffield. 1996. An unusual occurrence in West Virginia of stoneflies (Plecoptera) in the pitcher-plant, *Sarracenia purpurea* L. (Sarraceniaceae). *Proc. Entomol. Soc. Washington*, 98 (1): 119-121.
- Nelson, C. H. 1996. Placement of *Helopicus rickeri* Stark in *Hydroperla* Frison (Plecoptera: Perlodidae) with the description of the adult female, nymph, and egg and a cladistic analysis of *Hydroperla*. *Proc. Entomol. Soc. Washington* 98(2): 237-244.
- Nelson, C. H. 1996. Analysis of Plecopteran assemblages along an altitudinal gradient in the Great Smoky Mountains, Tennessee. *J. Tennessee Acad. Sci.* 71 (2): 29-35.
- Collins, L.T. and C. H. Nelson. 1997. Species identification and systematics. Pp. 315-320. *In* C. Glase [ed.], *Tested studies for laboratory teaching*. Proceedings of the 18th Workshop Conference of the Association for Biology Laboratory Education (ABLE),
- Duffield, R. M. and C. H. Nelson. 1997. Note on stoneflies (Plecoptera), particularly *Prostoia besametsa* (Ricker) (Nemouridae), in the diet of salmonids from the headwaters of the Middle Fork of the South Platte River, Colorado. *Proc. Entomol. Soc. Washington* 99 (2): 374-375.

- Nelson, C. H. 1997. Descriptions of the female, nymph, egg and redescription of the male of *Amphinemura mockfordi* (Plecoptera: Nemouridae). Entomol. News 108 (2): 107-112.
- Duffield, R. M. and C. H. Nelson. 1998. Stoneflies (Plecoptera) in the diet of brook trout (*Salvelinus fontinalis* Mitchell) in Libby Creek, Wyoming, USA. Hydrobiologia 380: 59-65.
- Nelson, C. H. 2000. Pteronarcyidae (The salmonflies). Pp. 29-39. In Stoneflies (Plecoptera) of eastern North America. B. P. Stark and B. J. Armitage (eds.). Ohio Biological Survey., Bull. New Series 14 (1). 99 pp.
- Nelson, C. H. 2001. The *Yugus bulbosus* complex, with a comment on the Phylogenetic relationships of *Yugus* within the eastern Nearctic Perlodini (Plecoptera, Perlodidae, Perlodinae). Proc. Entomological Soc. Wash. 103 (3): 601-619.
- Stewart, K. D., C. H. Nelson and R. M. Duffield. 2001. Novel occurrence of stoneflies (Plecoptera) in the diet of the red-spotted newt, *Notophthalmus viridescens*. Entomol. News 112 (4): 225 -230.
- Nelson, C. H., R. Hamilton IV, and R. M. Duffield. 2002. Confirmed records of *Leuctra variabilis* Hanson and *Alloperla usa* Ricker in Maryland (Plecoptera, Leuctridae, Chloroperlidae) with additional comments on the former species. Entomol. News 113 (2): 137-139.
- Collins, L. T., R. P. Bell and C. H. Nelson. 2005. Laboratory Manual for Solomon, Berg, and Martin's Biology Seventh Edition. Thomson, Brooks/Cole. 337 pp.
- Tarter, D. C. and C. H. Nelson. 2006. A revised checklist of the stoneflies (Plecoptera) of West Virginia (USA). Proc. Entomol. Soc. Washington 108 (2): 429-442.
- Smith, M. B., J. Conley, C. H. Nelson and T. J. Gaudin 2008. First record of the water shrew, *Sorex palustris*, from Graham County, North Carolina. J. North Carolina Acad. Sci. 124 (2): 61-62.
- Nelson, C. H. 2008. Hierarchical relationships of North American states and provinces: An area cladistic analysis based on the distribution of stoneflies (Insecta: Plecoptera). Illiesia 4 (18): 176-204.
- Nelson, C. H. 2009. Surface ultrastructure and evolution of tarsal attachment structures in Plecoptera (Arthropoda: Hexapoda). Pp. 523-545. In A. H. Stanczedk (ed.). Proceedings of the 12th International Conference on Ephemeroptera and the 16th International Symposium on Plecoptera, Stuttgart, 2008. Aquatic Insects, International Journal of Freshwater Entomology 31, Supplement 1: 1-741.
- Schorr, M. S., M. C. Dyson, C. H. Nelson, G. S. Van Horn, D. E. Collins and S. M. Richards. 2013. Effects of stream acidification on lotic salamander assemblages in a coal-mined watershed in the Cumberland Plateau. J. Freshwater Ecol. DOI:10.1080/02705060.2013.778219.
- Wolfe, D., M. Schorr, M. Hanson, C. H. Nelson and S. M. Richards. 2015. Hazzard assessment for pharmaceutical mixture detected in the upper Tennessee River using *Daphnia magna*. Global J. Environ. Sci. Management 1 (1): 1-14.
- Nelson, C. H. 2016. About the frequency distributions of variously sized genera and various sized families in Plecoptera (Insecta) classification. Pp. 67-81 In M. Yoshimura and Y. Takemon (eds). International Progress in Ephemeroptera and Plecoptera Research. Biology of Inland Waters, Supplement 3, i-vi, 1-171.
- Nelson, C. H. and C. R. Nelson. 2018. *Diura washingtoniana* (Hanson) resurrected from synonymy with *D. nanseni* (Kempny) (Plecoptera: Perlodidae), supplemented with a

description of the larva and egg and comparison to other congeners. *Illesia*, 14 (01): 1-29.



Drs. R. Edward DeWalt, Charles H. Nelson and Bill P. Stark talking about stoneflies at the Tenth North American Plecoptera Symposium, Pennsylvania, USA in 2013.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Perla](#)

Jahr/Year: 2019

Band/Volume: [37](#)

Autor(en)/Author(s): Redaktion

Artikel/Article: [Dr. Charles H. Nelson 18-22](#)