

TEXAS STATE VITA

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Name: Huffman, David G. **Title:** Professor of Biology

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
Ph.D.	1973	University of New Hampshire, Durham, NH	Zoology	An analysis of morphological variability in North American <i>Echinorhynchus</i> Zoega in Mueller, 1776 (Acanthocephala).
M.S.	1970	Marshall University, Huntington, WV	Biology	<i>Fessisentis shoemakeri</i> sp n. (Acanthocephala: Fessisentidae) from the larvae of <i>Ambystoma opacum</i> (Caudata), with notes on the life cycle.
A.B.	1968	West Virginia University, Morgantown, WV	Biology	

C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Technical Support Coordinator, Faculty Advancement Center	Texas State University-San Marcos	1989-2004
Professor of Biology	Texas State University-San Marcos	1983-
Assoc. Prof. Biology	Texas State University-San Marcos	1978-83
Asst. Prof. Biology	Texas State University-San Marcos	1973-78
Histology Instructor	University of New Hampshire	1972
Laboratory Instructor	Marshall University	1968-69
Research Assistant	West Virginia University	1966-67

D. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
President	Southwestern Association of Parasitologists	1983-84
Advisory Board	U.S.D.A. Index-Catalog of Medical and Veterinary Zoology	1982-84
Secretary-Treasurer	Southwestern Association of Parasitologists	1980-83
Representative to American Society of Parasitologists	Southwestern Association of Parasitologists	1979

II. TEACHING

A. Courses Taught at Texas State

(† indicates new courses developed for Department):

Department	Number	Title
Biology	1310	Principles of Biology
Biology	1320	Modern Biology I
Biology	1410	General Biology (botany)
Biology	1420	General Biology (zoology)
Biology	1421	Modern Biology II
Biology	2340	Human Anatomy and Physiology
Biology	3460	Aquatic Biology
Biology	4299	Undergraduate Research
Biology	43/5301	Evolution
Biology	43/5310	Field Biology of Plants
Biology	44/5413	General Parasitology
Biology	4316	General Ecology
†Biology	43/5321	Ornithology
Biology	44/5425	Biometry
Biology	5110	Seminars in Biology
†Biology	5336	Parasites and Diseases of Fishes
Biology	5390	Problems in Biological Sciences

B. Graduate Theses/Dissertations or Exit Committees

- 2015 Worsham, McLean. *Huffmanella huffmanii*: life cycle, natural history, and biogeography.
- 2014 Houston, Daniel C. Invasive heterophyid trematodes and their native aquatic hosts in Texas.
- 2008 Cook-Hildreth, Sandra L. Exotic armored catfishes in Texas: Reproductive biology, and effects of foraging on egg survival of native fishes (*Etheostoma fonticola*, endangered; and *Dionda diaboli*, threatened).
- 2007 O'Docharty, Erin. Studies on the life cycle of *Huffmanella huffmanii* (Nematoda: Trichosomoididae).
- 2007 Bolick, Anne. The effects of spring flow on the abundance of heterophyid cercariae in the Comal River, New Braunfels, TX.
- 2007 Kuhlman, Tiffany A. The predominant definitive avian hosts of the invasive Asian trematode, *Centrocestus formosanus*, in the headwaters of the Comal, San Antonio, and San Marcos rivers of central Texas.
- 2004 Bock, Jennifer. Nesting ecology and ontogeny of hatchling Neotropical Cormorants (*Phalacrocorax brasilianus*).
- 2002 Reimer, Marsha May. Baseline survey and checklist of the birds of San Marcos Springs, Hays County, TX and surrounding vicinity.
- 2002 Fleming, Byron Paul. Downstream spread of the digenetic trematode *Centrocestus formosanus*, into the Guadalupe River, Texas.
- 2000 Salmon, Melissa J. Impact of an undescribed heterophyid trematode on the fountain darter *Etheostoma fonticola*.
- 1998 Cox, Marlin Keith. The distribution and life cycle of *Huffmanella huffmanii* (Nematoda: Trichosomoididae).

- 1993 Stacell, Mark A. Oxytetracycline induced photosensitivity in channel catfish (*Ictalurus punctatus*).
- 1985 Bell, Ronny. A three-year survey of the diurnal birds of Hays County, Texas, with analysis of habitat and seasonal relationships.
- 1984 Michel, Gregory D. The biology of *Capillaria* sp. (Nematoda: Capillariidae) from gas bladders of sunfishes of the upper San Marcos River.
- 1984 Mathis, Michael. Studies on the life history of *Diplostomulum scheuringi* (Trematoda: Strigeoidea).
- 1984 Ahlm, Lief A. The effects of yellow grub (*Clinostomum marginatum*: Digenea, Trematoda) on the growth and condition of largemouth bass (*Micropterus salmoides*).
- 1982 Crowell, Diana K. Alarm calls and seet calls of some Central Texas sparrows.
- 1980 Hurd, Sylvia L. A survey of the helminths of fishes from a hill country stream in Central Texas : with a description of a *Neascus metacercaria*.
- 1979 Lindholm, Jay Jack Titus. The gastropods of the upper San Marcos River and their trematode parasites.
- 1978 Schneider, Stanley. An ecological survey of the Helminths of *Gambusia affinis*: (Osteichthyes: Poeciliidae) from a pond environment in San Marcos, Texas.
- 1978 Phillips, Robert W. A comprehensive study of parasite dynamics at a warm-water fish hatchery in Central Texas.
- 1976 Martin, Marie H. An ecological survey of the helminths of *Notropis venustus* and *Notropis lutrensis* (Cyprinidae) from the area of San Marcos, Texas.
- 1976 Martin, James Lenial. An ecological survey of the helminths of *Sigmodon hispidus* (Rodentia: Cricetidae) from the area of San Marcos, Texas.
- 1975 Davis, Jack R. The ecology of the helminth parasites of *Gambusia affinis* and *Gambusia geiseri* (Osteichthyes: Poeciliidae) in the area of San Marcos, Texas.

C. Courses Prepared and Curriculum Development:

- Biology 44/5421 Ornithology
- Biology 5436 Parasites and Diseases of Fishes

D. Pending & Funded External Grants and Contracts:

- 2012 Edwards Aquifer Authority (via BioWest & USFWS SMARC).
- 1995 (with Kevin Jones & Tom Arsuffi). From Descriptive to Adaptive Understanding: Using Interactive Computer Simulation in Quantitative Biology and Statistics Labs. Similar NSF ILI proposals submitted 92, 93, and 94. Funded @ \$124,64200 for a period of 3 years.
- 1980 NSF-ISEP. (John Durrett, P.I.) Computer laboratory for science educators. Funded at \$20,000.00
- 1979 NSF-ISEUSE. (Paul Fonteyne, P.I.) Equipment needs to initiate a plant ecology course and to enhance the existing plant anatomy and biometry courses. Funded at \$39,272.00

E. Submitted, but not Funded, External Grants and Contracts:

- 2013 Texas Parks and Wildlife Department Traditional Section 6 Proposal. mtDNA sequences of some local morphs of *Melanoides tuberculata*, the obligate 1st host of a devastating gill parasite of *Etheostoma fonticola*, *Dionda diaboli*, et al. Requested \$33,909.⁰⁰
- 1996 Texas Telecommunication Infrastructure Fund. Application for funds to Equip Hernandez Middle School. Requested 279,653.

- 1980 SF-DISE. (Theron Stimmel, P.I.) Workshops in computer instruction use for pre-college science teachers.
Funds requested \$31,746.15
- 1979 NSF-CAUSE. (Grady Early, P.I.) Comprehensive computer retraining, literacy and instruction program.
Funds requested \$214,914.00
- 1978 NSF-CAUSE. (Don Hazelwood, P.I.) Comprehensive computerization of science instruction project
Funds requested \$248,702.00.

F. Funded Internal Grants and Contracts:

- 2010 Academic Computing Committee grant. Replacement of Ten Aging Laptops in Freeman Teaching Lab. Funded at \$12,340.00
- 2009 (with Dan Smith) Academic Computing Committee grant. Replacement of Aging Computers in Freeman Teaching Lab and Supple Open Lab.
Funded at \$20,848.00.
- 2008 Academic Computing Committee grant. Replacement of 10 Aging Laptops and Podium Equipment in Freeman Teaching Lab.
Funded at \$18,827.00.
- 2006 (with Butch Weckerly). Academic Computing Committee grant. Replacement of Obsolete Computing Equipment in Freeman Aquatic Biology Teaching Lab.
Funded at \$26,869.00.
- 1992 (with Al Groeger & Tom Arsuffi). VPAA/Senate Educational Computing Mini-Grant. Teaching Technologies Cart for Aquatic Biology.
Funded at \$17,450.00.

G. Submitted, but not Funded, Internal Grants and Contracts:

- 1983 SWTSU/FAC Instructional Development proposal. A System for managing large question files on the DEC-10 interfaced with Apple Super PILOT.
Funds requested \$1,800.00.

H. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (not refereed)
 - 2005 Huffman, DG. PowerPoint lectures on instructor CD in Mader's Biology, 9/e, McGraw-Hill.
 - 2001 Huffman, DG. PowerPoint lectures on instructor CD in Audesirk & Audesirk's: Biology, 6/e. Prentice-Hall.
2. Articles, with graduate students and undergraduate students so indicated with underlinings
 - a. Refereed Journal Articles:
 - 2016 (in press) Bock, JA; Green, MC; & Huffman, DG. Nesting ecology and hatchling ontogeny of Neotropical Cormorants (*Phalacrocorax brasilianus*). Bulletin of the Texas Ornithological Society 49(1): .
 - 2014 Huston, DC; Worsham, MLD; Huffman, DG & Ostrand, KG. *Haplorchis pumilio* (Trematoda: Heterophyidae) infecting threatened and endangered fishes of Texas. Bioinvasions Records 3(3):189-194.

- 2013 Huston, DC, Cantu, V; & Huffman, DG. Experimental exposure of adult San Marcos salamanders and larval leopard frogs to the cercariae of *Centrocestus formosanus*. *Journal of Parasitology*. 100(2):239-241.
- 2012 Johnson, MS, Bolick, A, Alexander, M, Huffman, DG, Oborny, E, & Monroe, A. Fluctuations in densities of the invasive gill parasite *Centrocestus formosanus* (Trematoda: Heterophyidae) in the Comal River, Comal County, Texas, U.S.A. *Journal of Parasitology* 98(1):111-116.
- 2011 Fleming, BP; Huffman, DG; Bonner, TH; & Brandt, TM. Metacercarial Distribution of *Centrocestus formosanus* (Digenea: Heterophyidae) among fish hosts in the Guadalupe River drainage of Texas. *Journal of Aquatic Animal Health* 23(3):117-124.
- 2010 Pound, KL; Nowlin, WH; Huffman, DG; & Bonner, TH. Trophic ecology of a nonnative population of suckermouth catfishes (*Hypostomus*) in a central Texas spring-fed stream. *Environmental Biology of Fish* 90:277-285.
- 2009 Baccus, JT; Hardwick, JM; Huffman, DG; Kainer, MA. Seasonal trophic ecology of the white-ankled mouse, *Peromyscus pectoralis* (Rodentia: Muridae) in central Texas. *Texas Journal of Science* 61(2):97-118.
- 2007 Muzzal, PM & DG Huffman. In memorium: Wilbur L Bullock, 1922–2007. *Journal of Parasitology* 93(54):973–974.
- 2007 Bean, MG; Škeříková, A; Bonner, TH; Scholz, T; & Huffman, DG. First record of *Bothriocephalus acheilognathi* (Cestoda: Pseudophyllidea) in the Rio Grande with comparative ITS2 and V4-18S rDNA sequencing. *Journal of Aquatic Animal Health* 19:71-76
- 2004 Cox, MK; Huffman, DG; & Moravec, F. Observations on the distribution and biology of *Huffmanella huffmanii* (Nematoda: Trichosomoididae). *Folia Parasitologica* 51: 50-54.
- 2001 Žďárská, Z; Huffman, DG; Moravec, F & Nebesářová, J. Egg shell ultrastructure of the fish nematode *Huffmanella huffmanii* (Trichosomoididae). *Folia Parasitologica* 48: 231-234
- 2001 Moravec, F; & Huffman, DG. Observations on the biology of *Rhabdochona kidderi texensis* (Nematoda: Rhabdochonidae), a parasite of North American cichlids (Pisces). *Journal of Helminthology*, 75:197-203.
- 2000 Moravec, F & Huffman, DG. Three new helminth species from two endemic plethodontid salamanders, *Typhlomolge rathbuni* and *Eurycea nana*, in central Texas. *Folia Parasitologica* 47: 186-194.
- 2000 Mitchell, AJ; Salmon, MJ; Huffman, DG; Goodwin, AE; & Brandt, TM. Prevalence and pathogenicity of a heterophyid trematode infecting the gills of an endangered fish, the fountain darter, in two central Texas spring-fed rivers. *Journal of Aquatic Animal Health* 12:283-289.
- 1995 Moravec, F; Huffman, DG; & Swim, DJ. The first record of fish as paratenic hosts of *Falcaustra* spp. (Nematoda: Kathlaniidae). *Journal of Parasitology*, 81(5): 809-812.
- 1995 Johnson, SK; Fries, LT; Williams, J & Huffman, DG. Presence of the parasitic swim bladder nematode, *Anguillicola crassus*, in Texas aquaculture. *World Aquaculture* 26(3):35-36.
- 1994 Stacell, M & Huffman, DG. Oxytetracycline-induced photosensitivity in channel catfish. *Progressive Fish Culturist* 56:211-213.
- 1991 Jones, KS; Herod, D; & Huffman, DG. Fitting the negative binomial distribution to parasitological data. *Texas Journal of Science* 43(4):357-371.
- 1988 Moravec, F & Huffman, DG. Observations on the genus *Rhabdochona* Railliet, 1916 (Nematoda: Rhabdochonidae) from the fishes of Central

- Texas, with descriptions of two new subspecies. *Folia Parasitologica* 35:341-351.
- 1988 Huffman, DG & Moravec, F. First description of adult *Huffmanella huffmanii* Moravec, 1987 (Nematoda: Trichosomoididae) from the swim bladder of centrarchid fishes of the upper San Marcos River, central Texas. *Folia Parasitologica* 35(3):227-234.
- 1988 Moravec, F & Huffman, DG. *Rhabdochona longleyi* sp. n. (Nematoda: Rhabdochonidae) from the blind catfishes, *Troglanis pattersoni* and *Satan eurystomus* (Ictaluridae) from the subterranean waters of Texas. *Folia Parasitologica* 35(3):235-243.
- 1985 Spinelli, AJ; Whiteside, BG & Huffman, DG. Aquarium studies on the evaluation of stocking various-size channel catfish with established largemouth bass. *North American Journal of Fisheries Management*. 5:138-145.
- 1985 Amin, O & Huffman, DG. Interspecific variability in the genus *Acanthocephalus* from North American freshwater fishes, with a key to species. *Proceedings of the Helminthological Society of Washington* 51(2):238-240.
- 1982 Crowell, D; Carpenter, CC & Huffman, DG. Nest sharing by a Lark Sparrow. *Auk* 99(3):591-592.
- 1981 Huffman, DG & Tuff, DW. An index to the hosts in Yamaguti's *Synopsis of the Digenetic Trematodes of Vertebrates*. *Texas Journal of Science* 33(2,3,4):267-291.
- 1981 Gleason, LN & Huffman, DG. Meristogram analysis of a collection of *Pomphorhynchus bulbocolli* from south-central Kentucky. *Journal of Parasitology* 67(1):133-134.
- 1980 Martin, JL & Huffman, DG. An analysis of the community and population dynamics of the helminths of *Sigmodon hispidus* (Rodentia: Cricetidae) from three Central Texas vegetational regions. *Proceedings of the Helminthological Society of Washington* 47(2):247-255.
- 1978 Huffman, DG & Nickol, BB. Meristogram analysis of the acanthocephalan genus *Pomphorhynchus* in North America. *Journal of Parasitology* 64(5):851-859.
- 1978 Davis, JR & Huffman, DG. Some factors associated with the distribution of helminths among individual mosquitofish, *Gambusia affinis*. *Texas Journal of Science* 30(1):43-53.
- 1977 Tuff, DW & Huffman, DG. An index to the genera of hosts in Yamaguti's *Systema Helminthum*. *Texas Journal of Science* 28 (1-4):161-191.
- 1977 Huffman, DG & Kliever, RG. *Echinorhynchus canyonensis* sp. n. (Acanthocephala) from *Maynea californica* (Osteichthyes: Zoarcidae) from the Monterey Submarine Canyon, California. *Proceedings of the Helminthological Society of Washington* 26(2):170-176.
- 1977 Davis, JR & Huffman, DG. A comparison of the helminth parasites of *Gambusia affinis* and *Gambusia geiseri* (Osteichthyes: Poeciliidae) from the Upper San Marcos River. *Southwestern Naturalist* 22(3):359-366.
- 1975 Huffman, DG & Bullock, WL. Meristograms: Graphical analysis of serial variation of proboscis hooks of *Echinorhynchus* (Acanthocephala). *Systematic Zoology* 24(3):333-345.
- 1973 Tillinghast, EK & Huffman, DG. The pattern of nitrogen excretion during fasting of two freshwater oligochaetes. *Comparative Biochemistry and Physiology* 45A:555-557.

- 1973 Huffman, DG & Bullock, WL. *Capillaria cyprinodonticola* sp. n. (Nematoda: Trichinellida) from the livers of cyprinodontiform fishes of the Florida Keys. *Journal of Parasitology* 59(2):260-263.
- 1970 Shoemaker, JP; Hoffman, RV & Huffman, DG. *Trypanosoma cruzi*: Preference for brown adipose tissue in mice by the Tulahuen strain. *Experimental Parasitology* 27:403-407.

B. Works not in Print

1. Papers Presented at Professional Meetings, with graduate students, undergraduate students, and public school students differentiated by single, double, or double wavy underlining, respectively:
 - 2015 Harding, SF; Worsham, MLD; Huffman, DG & Jackson, J. A current assessment of the thiarid snail invasion of Central Texas waters. Southwestern Association of Parasitologists, 48th Annual Meeting, April, University of Oklahoma Biological Station.
 - 2015 Huffman, DG; Worsham, MLD; Harding, SF; & Hahn, D. Metacercariae of *Macroderoides* from cranial bones of *Dionda diaboli* refugium stock, with notes on infection of other small fishes from spring-fed systems in West Texas. *Ibid*.
 - 2015 Martinez, JA; Castro-Arellano, I; Simpson, TR; Huffman, DG. Prevalence of endoparasitic helminths of the Small Indian Mongoose (*Herpestes auropunctatus*) on the island of Puerto Rico. *Ibid*.
 - 2015 Worsham, MLD; Julius, EP; Kim, S & Huffman, DG. The biogeography of freshwater *Huffmanella* (Nematoda: Trichosomoididae: Huffmanellinae). *Ibid*.
 - 2015 Worsham, MLD; Harding, SF; Huffman, DG. The most recent findings on the life-cycle of *Huffmanella huffmanii* Moravec 1987 (Nematoda: Trichosomoididae: Huffmanellinae). *Ibid*.
 - 2014 Harding, SF; Worsham, MLD; Huston, DC & Huffman, DG. Detection of *Haplorchis pumilio* in *Ictalurus punctatus*, *Lepomis macrochirus*, and *Astyanax mexicanus* in the Guadalupe River, Texas. Southwestern Association of Parasitologists, 47th Annual Meeting, April, University of Oklahoma Biological Station.
 - 2014 Worsham, MLD; Harding, SF; Gibson, R & Huffman, DG. Presumptive *Stellantchasmus* (Heterophyidae) metacercariae from the cranial bones of the endangered Devils River minnow (*Dionda diaboli*) from west Texas. *Ibid*.
 - 2014 Worsham, MLD; Harding, SF; Wukaasch, H & Huffman, DG. Further attempts to solve the life-cycle riddle of *Huffmanella huffmanii* Moravec 1987 (Nematoda: Trichosomoididae: Huffmanellinae). *Ibid*.
 - 2014 Huston, DC; Huffman, DG; Ostrand, KG & Castro-Arellano, I. A methodology for estimating the effects of trematode metacercariae upon the swimming endurance of fish. *Ibid*.
 - 2014 Huston, DC; Worsham, MLD; Cantu, V; Huffman, DG & Ostrand, KG. Second intermediate hosts of *Centrocestus formosanus* and *Haplorchis pumilio* in Texas. *Ibid*.

- 2012 Huston, DC; McDermott, KS; Arsuffi, TL; Ostrand, KG & Huffman, DG. The distribution of the invasive trematode (*Centrocestus formosanus*) in west Texas, with patterns of infection in the snail & fish hosts. Southwestern Association of Parasitologists, 45th Annual Meeting, April, University of Oklahoma Biological Station.
- 2012 Worsham, MLD & Huffman, DG. Underwater studies on the feeding behaviors of some centrarchid hosts of *Huffmanella huffmanii* (Nematoda: Trichosomoididae) in San Marcos Springs. Ibid.
- 2012 Huston, DC & Huffman, DG. Swim tunnel endurance studies on minnows artificially infected at varying rates with varying intensities of *Centrocestus formosanus*. Ibid.
- 2012 Bushong, S; Lindholm, J; & Huffman, DG. The invasive progression of the Malaysian trumpet snail (*Melanoides tuberculata*) and its parasites in the Comal and Guadalupe Rivers, Texas. Ibid.
- 2012 Van Tine, J & Huffman, DG. The status of the invasive trematode *Centrocestus formosanus* as an unexpected threat to the fishes of the Guadalupe River in Texas. Ibid.
- 2011 Gollihar, J & Huffman, DG. To clone or not to clone: Population genetics and gametogenesis in the invasive Asian snail *Melanoides tuberculata*. Southwestern Association of Parasitologists, 44th Annual Meeting, University of Oklahoma Biological Station.
- 2011 Huffman, DG. The decline of healthy skepticism and the rise of repressive advocacy in contemporary science. Ibid.
- 2011 J Gollihar & Huffman, DG. Worlds within: Metagenomics and sensing among the microbiotics of the invasive snail, *Melanoides tuberculata*. Ibid.
- 2011 Huffman, DG. The resurrection of the meristogram: Two new resources for analyzing patterns of variability in serially homologous structures. Ibid.
- 2011 Huston, DC; Daigneault, BJ; Worsham, ML; & Huffman, DG. The continued spread of *Centrocestus formosanus* into Texas waters once thought safe from infestation. Ibid.
- 2011 Phillips, CA; Gollihar, J; & Huffman, DG. Distribution of the exotic snail *Melanoides Tuberculata* in the Guadalupe River, Texas. Ibid.
- 2010 Phillips, CA; McCracken, JD; & Huffman, DG. Longitudinal gradients in population structure, and the lethal thermal minimum of *Melanoides tuberculatus* in the Guadalupe River, TX. Southwestern Association of Parasitologists, 43rd Annual Meeting, University of Oklahoma Biological Station.
- 2010 Vargas, E; Elliot, M; & Huffman, DG. Aspects of the thermal and spatial distribution of *Centrocestus formosanus* in the Guadalupe and Comal Rivers, I: Survey of native fishes. Ibid.
- 2010 Elliot, M; Vargas, E; & Huffman, DG. Thermal and spatial aspects of the distribution of *Centrocestus formosanus* in the Guadalupe and Comal Rivers, II: Caged-fish studies. Ibid.
- 2010 Williford, A & Huffman, DG. Techniques for estimating the effects of gill metacercariae on swimming endurance of small fishes. Ibid.
- 2010 McCracken, JD; Phillips, CA; & Huffman, DG. Longitudinal gradients in the genetics of *Melanoides tuberculatus* from Comal Springs to downstream Guadalupe R, TX. Ibid.

- 2010 Huffman, DG & Williford, A. Dose-response effects of *Centrocestus formosanus* gill infections on the swimming endurance of a riffle minnow, *Cyprenella venusta*. Ibid.
- 2010 Huffman, DG. The creationism vs. evolutionism wrangle: A raging battle between opposing world views, neither of which is based on the Bible or science. Ibid.
- 2007 O'Docharty, EM & Huffman, DG. Use of infection challenges to study the lifecycle of *Huffmanella huffmani*. Southwestern Association of Parasitologists, 40th Annual Meeting, University of Oklahoma Biological Station.
- 2007 O'Docharty, EM & Huffman, DG. Induced hatching of histozoic trichosomoidid eggs using in vivo and in vitro techniques. Ibid.
- 2007 Kuhlman, TA & Huffman, DG. The dominant definitive hosts of the invasive Asian trematode, *Centrocestus formosanus*, in the Comal River, Texas – Preliminary results. Ibid.
- 2007 Huffman, DG. Common misinterpretations & misapplications of statistical methods in the life sciences. Ibid.
- 2007 Bolick, AE & Huffman, DG. The effects of spring flow on the abundance of heterophyid cercariae in the Comal River, New Braunfels, TX. Ibid.
- 2007 Groeger, AW; Huffman, DG; Broun, A; & Cave, MS. Current and historical water flow in the Blanco River watershed. Texas Academy of Science, Waco, TX.
- 2006 O'Docharty, EM & Huffman, DG. Studies on the lifecycle strategy of *Huffmanella huffmani* in the San Marcos River (TX). Southwestern Association of Parasitologists, 39th Annual Meeting, University of Oklahoma Biological Station.
- 2006 Kuhlman, TA & Huffman, DG. The dominant definitive hosts of the invasive Asian trematode, *Centrocestus formosanus*, in the Comal River, Texas. Ibid.
- 2006 Huffman, DG. The null hypothesis (H_0) in parasitology: What to do when it won't go away. Ibid.
- 2006 Bolick, AE & Huffman, DG. The effects of spring flow on the abundance of an invasive Asian trematode, *Centrocestus formosanus*, in the Comal River, New Braunfels, TX. Southwestern Association of Parasitologists, 39th Annual Meeting, University of Oklahoma Biological Station.
- 2006 Bean, MG; Huffman, DG; Bonner, TH; & Nowlin, WH. New records of the Asian fish tapeworm, *Bothriocephalus acheilognathi*, in fishes of the Rio Grande, Texas. Ibid.
- 2006 Dedden, JE; Longley, G; & Huffman, DG. Host/parasite records for the Texas Shiner (*Notropis amabilis*) in Central Texas. Ibid.
- 2002 Fleming, BP; Huffman, DG; Brandt, TM; & Bonner, TH. Downstream spread of the heterophyid trematode *Centrocestus formosanus* in the Guadalupe River, Comal County, Texas. Texas Academy of Science; Laredo, Texas.
- 2001 Reimer, MM; Huffman, DG; & Williamson, PS. Baseline survey of birds at the Aquarena Center and the effects of wetland boardwalk on waterbird behavior. Texas Academy of Science 104th meeting at San Marcos; March 1-3.
- 2001 Reimer, MM; Huffman, DG; & Williamson, PS. Baseline survey of birds at the San Marcos springs, San Marcos, Texas. Southwestern Association of Naturalists 48th meeting at Hays Kansas, April 19-21.
- 2000 Salmon, MJ; Huffman, DG; Mitchell, AJ; Goodwin, AE; & Brandt, TM. Impact of an unnamed heterophyid trematode on the endangered fountain darter in the Comal River, Texas. Southwestern Association of Parasitologists, University of Oklahoma Biological Station.

- 1998 Salmon, MJ; Brandt, TM; & Huffman, DG. Lethal heterophyid infections in an endangered fish in Central Texas: The snail host. Southwestern Association of Parasitologists, University of Oklahoma Biological Station. April 10-11
- 1998 Kaczmarek, CA; Fries, JN; & Huffman, DG. A survey of the San Marcos salamander (*Eurycea nana*) for a parasitology study. Southwestern Association of Parasitologists, University of Oklahoma Biological Station. April 10-11.
- 1998 Cox, MK & Huffman, DG. The distribution and life cycle of *Huffmanella huffmanii* (Nematoda: Trichosomoididae). Southwestern Association of Parasitologists, University of Oklahoma Biological Station. April 10-11.
- 1998 al-Rashid, N & Huffman, DG. A survey of blood parasites of turtles from Central Texas. Southwestern Association of Parasitologists, University of Oklahoma Biological Station. April 10-11.
- 1993 Swim, JD & Huffman, DG. Internal parasites of *Etheostoma lepidum* and the endangered *Etheostoma fonticola* from the Comal River, Texas. Southwestern Association of Parasitologists, University of Oklahoma Biological Station. April 16-17.
- 1992 Swim, JD & Huffman, DG. New parasite records for an endangered darter. Southwestern Association of Parasitologists, University of Oklahoma Biological Station.
- 1991 Stacell, M, & Huffman, DG. Oxytetracycline-induced photolysis of channel catfish. Texas Chapter of American Fisheries Society, Galveston.
- 1991 Stacell, M, & Huffman, DG. Photosensitivity of channel catfish to oxytetracycline. Texas Academy of Science, Nacogdoches.
- 1991 Huffman, DG & Stacell, M. Photosensitivity and consequent fatal mycosis induced in channel catfish by tetracycline prophylaxis. Southwestern Association of Parasitologists, University of Oklahoma Biological Station.
- 1989 Huffman, DG. LXR•Test: The ultimate test-generation and question-management program. Annual Meet. of Texas Computer Education Program, Houston.
- 1986 Ahlm, A & Huffman, DG. The effects of yellow grub (*Clinostomum marginatum*: Digenea, Trematoda) on the growth and condition of largemouth bass (*Micropterus salmoides*). Arizona-New Mexico Chapter, Am. Fish. Soc.
- 1984 Michels, G & Huffman, DG. The biology of a new species of *Capillaria* (Nematoda: Trichurata) from sunfishes of the San Marcos River. Ibid.
- 1984 Michels, G & Huffman, DG. Discovery of a new species of *Capillaria* (Nematoda: Capillariidae) from gas bladders of San Marcos River sunfishes; Ibid.
- 1984 Mathis, ML & Huffman, DG. The adults of *Diplostomulum scheuringi* (Trematoda: Strigeoidea) are in the genus *Tylodelphis* and mature in Pied-billed Grebes. The Annual Meeting of the Texas academy of Science, San Antonio.
- 1984 Mathis, ML & Huffman, DG. Studies on the life history of *Diplostomulum scheuringi* (Trematoda: Strigeoidea) from the mosquitofish, *Gambusia affinis*; Ibid.
- 1984 Hurd, SL; Shorey, RAL; & Huffman, DG. Using VisiCalc to design palatable diets conforming to rigorous specifications for human subjects; Ibid.
- 1984 Ahlm, LA & Huffman, DG. The effects of yellow grub (*Clinostomum marginatum*) on the growth and condition of largemouth bass: Preliminary results. The Annual Meeting of the Southwestern Association of Parasitologists, Univ. of Oklahoma Biological Station, Lake Texoma.

- 1984 Ahlm, A & Huffman, DG. The effects of the yellow grub (*Clinostomum marginatum*) on the growth and condition of largemouth bass: Preliminary results. Ibid.
- 1983 Michel, GD & Huffman, DG. The biology of a new species of *Capillaria* (Nematoda: Trichurata) from sunfishes of the San Marcos River. Ibid. AND 16th Annual Meeting of the Southwestern Association of Parasitologists, Univ. Okla. Biol. Sta., Lake Texoma.
- 1983 Mathis, ML & Huffman, DG. Investigations of the biology of *Diplostomulum scheuringi* (Trematoda: Strigeoidea) from the mosquitofish, *Gambusia affinis*. Ibid.
- 1983 Mathis, ML & Huffman, DG. Current research into the biology of *Diplostomulum scheuringi* (Trematoda: Strigeoidea) from the mosquitofish, *Gambusia affinis*. Ibid.
- 1983 Huffman, DG. The negative binomial k as an ecological constant: Monte Carlo simulations of sampling from real and artificial populations. Ibid.
- 1983 Huffman, DG. Using a microcomputer simulation to teach some concepts of parasite ecology. 16th Annual Meeting of the Southwestern Association of Parasitologists, Okla. University Biol. Sta., Lake Texoma.
- 1983 Huffman, DG. Population Dynamics of Fish Parasites. Presented at the Workshop on Applications of Microcomputers in Fisheries Education. The Annual Meeting of the Am. Fisheries Soc., Milwaukee, WI.
- 1983 Crowell, DK & Huffman, DG. Alarm calls and seeet calls of some Central Texas sparrows. The Annual Meeting of the Southwestern Association of Naturalists, Little Rock, Ark.
- 1983 Bell, RJ & Huffman, DG. A comparison of two avian census techniques: Mist net versus fixed-diameter point count. 86th Annual Meeting of the Texas Academy of Science, Nacogdoches.
- 1982 Palma, VD; Whiteside, BG; & Huffman, DG. On the life history of the walleye (*Stizostedion vitreum*) in Canyon Reservoir, Texas. Ibid.
- 1982 Kiefer, R; Whiteside, BG; & Huffman, DG. Heritability of temperature tolerance in largemouth bass from heated reservoirs. Ibid.
- 1982 Kiefer, R & Huffman, DG. A definitive host suitability study for an unidentified cestode cyst infesting fishes from the Blanco River. Ibid.
- 1982 Huffman, DG. Why we should be computing Taylor's b instead of the negative binomial k . 15th Annual Meeting of the Southwestern Association of Parasitologists, Univ. Okla. Biol. Sta., Lake Texoma.
- 1982 Huffman, DG. Problems encountered while attempting to introduce micro-CAI into biology courses at Southwest Texas State University. INVITED PAPER presented at the 18th Annual Meeting of the Texas Assoc. for Educational Data Systems. Austin, Texas.
- 1982 Huffman, DG. The negative binomial distribution in host/parasite modeling: An educational program for the Apple computer. Fifth International Congress of Parasitology, Toronto, Canada.
- 1982 Douglas, JD & Huffman, DG. The population ecology of parasites found in the major lepomis of the Upper San Marcos River. 85th Annual Meeting of Texas Academy of Science, Angelo State University, San Angelo.
- 1982 Crowell, D & Huffman, DG. "Seeet" calls of some sparrows, a spectrographic analysis. Ibid.
- 1982 Bell, R & Huffman, DG. Avifauna and related plant associations of Hays County. Ibid.
- 1981 Hurd, SL & Huffman, DG. Description of a very small *Neascus* (Trematoda: Strigeoidea) larva causing black spot in *Gambusia affinis*. Ibid.

- 1981 Huffman, DG A review of the use of the negative binomial distribution in parasitology. 84th Texas Acad. Sci. Meeting, Austin, TX.
- 1981 Crowell, D & Huffman, DG. Spectrographic analysis of “seeet” calls of some central Texas sparrows. Part 1. Ibid.
- 1981 Bell, RJ & Huffman, DG. Expanded uses of avian seasonal abundance checklists. Ibid.
- 1980 Schneider, S & Huffman, DG. Frequency distribution analysis of the larval parasites, *Diplostomulum scheuringi* and *Spiroxys* sp. in mosquitofish, *Gambusia affinis*. 83rd Tex. Acad. Sci. Meeting, Corpus Christi.
- 1980 Huffman, DG. Problems peculiar to the shape analysis of serially homologous structures. INVITED PAPER in a symposium entitled, “Shoring up the foundations of modern biology: Systematics.” 53rd Amer. Soc. Parasitol. Meet, U. C. Berkeley, California.
- 1979 Wayne, L; Whiteside, BG; & Huffman, DG. Notes on the ecology of the roundnose minnow, *Dionda episcopa*, from a central Texas spring. Ibid.
- 1979 Schneider, S & Huffman, DG. Some observations on the frequency distributions of *Diplostomulum scheuringi* and larval *Spiroxys* sp. infecting female *Gambusia affinis*. 12th Southw. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.
- 1979 Schneider, S & Huffman, DG. A comparison of the species-richness and evenness components of the diversity of the helminths of *Gambusia affinis*. Ibid.
- 1979 Lindholm, JTT & Huffman, DG. The snails of the spring-fed upper San Marcos River and their trematode parasites. Ibid.
- 1979 Lindholm, J & Huffman, DG. The snails of the spring-fed upper San Marcos River and their trematode parasites. Poster presentation, Ibid.
- 1979 Hurd, SL & Huffman, DG. Some notes on the biology and taxonomy of the fish helminths of the Little Blanco River. Ibid AND 12th Southw. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.
- 1979 Huffman, DG. Meristogram analysis of the confusing acanthocephalan genus *Echinorhynchus* from North American fishes. 82nd Tex. Acad. Sci. Meeting, Arlington, Texas.
- 1979 Huffman, DG. Meristogram analysis and the importance of “percent-position” in acanthocephalan taxonomy. Poster presentation, Ibid.
- 1978 Schneider, S & Huffman, DG. Some observations on the diversity of helminths from *Gambusia affinis*. Ibid.
- 1978 Schneider, S & Huffman, DG. Evidence of competitive interaction between four species of strigeoid trematodes in the eye of the mosquitofish, *Gambusia affinis*. 81st Tex. Acad. Sci. Meeting, Lubbock, Texas.
- 1978 Schneider, S & Huffman, DG. An apparent case of competitive interaction between four species of strigeoid trematodes in the eye of *Gambusia affinis*. 11th Southw. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma, Texas.
- 1978 Manns, R; Whiteside, BG; & Huffman, DG. Observations on the biology and parasites of the spotted bass, *Micropterus punctulatus*, in a central Texas deep-storage reservoir. Ibid.
- 1978 Huffman, DG. Meristogram analysis of the acanthocephalan genus *Echinorhynchus* in North America. 53rd Am. Soc. Parasitol. Meeting, Chicago, Ill.
- 1978 Heath, L; Whiteside, BG; & Huffman, DG. Notes on the biology and parasites of the roundnose minnow, *Dionda episcopa*, from some Central Texas Springs. Ibid.

- 1977 Huffman, DG & Phillips, RW. A study of parasite dynamics at a warm-water fish hatchery in Central Texas. Ibid.
- 1977 Schneider, S; Huffman, DG; & Tuff, DW. Seasonal variation in the incidence and intensity of infection of *Diplostomulum scheuringi* in the mosquitofish, *Gambusia affinis*. Ibid.
- 1977 Schneider, S & Huffman, DG. Factors influencing the abundance of *Diplostomulum scheuringi* in *Gambusia affinis*. Ibid.
- 1977 Phillips, RW & Huffman, DG. *Henneguya* sp. from the Mexican tetra, *Astyanax fasciatus*. 10th Southwest. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.
- 1977 Huffman, DG. The meristogram: A sensitive algorithm for the graphical elucidation of variation in serially repeating structures. Ibid.
- 1977 Huffman, DG. Application of computer generated “meristograms” to the taxonomy and geographic distribution of *Pomphorhynchus* in North America. Ibid.
- 1977 Huffman, DG & Nickol, BB. Host and geographic distribution of *Pomphorhynchus bulbocolli* and *P. rocci* (Acanthocephala) as revealed by computer-generated meristograms. Ibid.
- 1977 Huffman, DG & Nickol, BB. Host and geographic distribution of *Pomphorhynchus bulbocolli* and *P. rocci* (Acanthocephala) as revealed by computer generated meristograms. 52nd Amer. Soc. Parasitol. Meeting, Las Vegas, Nevada.
- 1977 Davis, JR & Huffman, DG. A comparison of the helminth parasites of *Gambusia affinis* and *G. geiseri* from the San Marcos River. 80th Tex. Acad. Sci. Meeting, Baylor Univ., Waco, Tex.
- 1976 Warren, JW & Huffman, DG. Some notes on a new species of *Capillaria* (Nematoda) from the swim bladder of sunfishes (Centrarchidae) in the San Marcos River. Ibid.
- 1976 McIntosh, SA & Huffman, DG. A new case of hyperparasitism by *Hexamita* (Mastigophora) parasitizing *Spinitectus* (Nematoda) taken from the gut of the green sunfish, *Lepomis cyanellus*. 79th Tex. Acad. Sci. Meeting, Tex. A&M Univ., College Station, Tex.
- 1976 Martin, MH & Huffman, DG. A study of some factors which influence the helminth fauna of *Notropis lutrensis* and *N. venustus* (Pisces) from the area of San Marcos, Texas. Ibid.
- 1976 Martin, JL & Huffman, DG. Helminths of the cotton rat, *Sigmodon hispidus*, from the area of San Marcos, Texas. II. The effects of season and the sex, weight and age of the host. 79th Tex. Acad. Sci. Meeting, Tex. A&M Univ., College Station, Texas, AND 9th Southwest. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.
- 1976 Huffman, DG. Applications of the meristogram to acanthocephalan systematics. Ann. Midwest. Conf. Parasitol., Univ. Nebraska, Lincoln.
- 1975 Davis, JR & Huffman, DG. Studies on the ecology of the helminth fauna of *Gambusia affinis* in the area of San Marcos, Texas. 50th Amer. Soc. Parasitol. Meeting, New Orleans, La.
- 1975 Martin, MH & Huffman, DG. Some notes on the anatomy of a new species of *Echinorhynchus* from New England. Ibid. AND 8th Southwest. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.
- 1975 Martin, JL & Huffman, DG. Some notes on the helminths of *Sigmodon hispidus* in the area of San Marcos, Texas. 78th Tex. Acad. Sci. Meeting, Sam Houston St. Univ., Huntsville, Tex.
- 1975 Davis, JR & Huffman, DG. Helminths of *Gambusia affinis* of the San Marcos, Texas area. Ibid.

- 1974 Huffman, DG. Proboscis prints: A new computer method for studying hook variability in the acanthocephalan genus *Echinorhynchus*. 77th Tex. Acad. Sci. Meeting, North Tex. St. Univ., Denton, Tex.
- 1974 Huffman, DG. Some recommendations for interpreting and reporting biological data. 8th Southwest. Assoc. Parasitol. Meeting, Univ. Okla. Biol. Sta., Lake Texoma.

2. Invited Talks, Lectures, Presentations:

- 1983 Problems likely to be encountered while introducing micro-CAI into a college department. An invited lecture presented for the faculty of El Centro Community College, Dallas.
- 1982-83 Access to microcomputers for educational purposes at SWTSU. Invited presentation at Faculty Orientation, SWTSU.
- 1981-84 Estimates of heritability in fisheries genetics projects. Presented each summer at a national workshop on fish culture sponsored by the U. S. Fish & Wildlife Service.
- 1981 What is so unique about micros in education? Invited lecture presented at an NSF workshop, "Automated Systems for the Science Educator," SWTSU.
- 1981 The uses and misuses of the negative binomial in parasite ecology. An invited lecture presented for the University of Wisconsin Distinguished Lecturer Series, Parkside Campus.
- 1981 Appropriate uses for microcomputers in science education. Invited lecture presented at an NSF workshop, "Special Methods for Special Students", SWTSU.

C. Fellowships, Awards, Honors:

- 1993 Developmental Leave, Fall.
- 1986 Developmental Leave, Spring.
- 1975 Phi Sigma National Research Medal; Presented with silver medallion and \$500 prize at the Plenary Session of AIBS, Corvallis.
- 1973 Phi Sigma Award for Meritorious Graduate Research, University of New Hampshire.
- 1970-73 NDEA Predoctoral Fellowship, Univ. of New Hampshire.
- 1970 Tuition Scholarship, University of New Hampshire.
- 1966 Academic Scholarship, West Virginia University.

IV. SERVICE

A. University:

- 1985-2011 Computer Coordinator for Freeman Building computer labs
- 2006-2007 Library Committee.
- 2006-2007 Library Committee Subcommittee on Library Grants.
- 2005-2006 Library Committee Subcommittee on Library Grants.
- 2005-2006 Library Committee Subcommittee on Library Grants.
- 1989-2004 Technical Support Coordinator for the Faculty Advancement Center.
- 1989-2004 Academic Computing Committee, representative for Faculty Advancement Center (all years I was not chair through 2004).
- 1988-1989 Editor, FACademic Computing News. A newsletter published internally by FAC.
- 1988 SACS Review Committee; Chair of Computing Services Division.
- 1986-1989 Apple Support Coordinator for the University's HEPP II contract with Apple Computer Corp.

1982-2000 Academic Computing Committee, Chair for several 3-year terms.

1981-2004 Academic Computing Committee, Founder, member, and chair for several terms.

B. Departmental:

- Computer Committee
- Network Coordinator, freeman Bldg.

C. Community:

2009 The Fallacies of Creationism as Science, and Naturalism as Truth. Invited talk, presented to the School for Missionary Preparation, Austin, March.

2008 The Fallacies of Creationism as Science, and Naturalism as Truth. Invited talk, presented to the School for Missionary Preparation, Austin, March.

2007 The Fallacies of Creationism as Science, and Naturalism as Truth. Invited talk, presented to the Hill Country Christian School, San Marcos. November.

2007 Birding by Ear. Presentation before the Wimberley Birding Association, February.

2007 Birding by Ear. Presentation before the Outdoor Women of Texas, TPWD, March.

D. Professional:

1984 President. Southwestern Association of Parasitologists.

1983 Vice President and Program Director, Southwestern Association of Parasitologists.

1982-1984 Advisory Board. U.S.D.A. Index-Catalog of Medical and Veterinary Zoology.

1980-1983 Secretary-Treasurer. Southwestern Association of Parasitologists.

1977-1979 Representative to American Society of Parasitologists, Southwestern Association of Parasitologists.