

CURRICULUM VITAE

SHERMAN S. HENDRIX

**Department of Biology
Gettysburg College
Gettysburg, PA 17325
voice (717) 337-6152
FAX (717) 337-6157
shendrix@gettysburg.edu**

Education:

B.A. Gettysburg, College, 1961

Major: Biology, with Departmental Honors

Minor: Chemistry

M.S. Florida State University, 1964

Major: Zoology (Parasitology)

Thesis directed by Dr. Robert B. Short (deceased)

Ph.D. University of Maryland, 1972

Major: Parasitology

Minor: Ecology

Dissertation directed by Dr. Leo A. Jachowski (deceased)

Professional Experience:

- 1961-63 Teaching Assistant, Florida State University
- 1963-64 Research Assistant, Florida State University
- 1963 Member, Scientific Crew, U.S.N.S. *Eltanin*, Antarctic Cruise 10
- 1964-70 Instructor in Biology, Gettysburg College
- 1969 Graduate Teaching Assistant, University of Maryland
- 1969-70 Chesapeake Bay Fellow, University of Maryland (summers only)
- 1972 Summer Dissertation Fellow, University of Maryland
- 1970-77 Assistant Professor, Gettysburg College
- 1973 NIH Training Grant Fellow, Interamerican Fellowship in Tropical Medicine
- 1976-77 Summer Statistics Workshops, Gettysburg College
- 1977 CPC Electron Microscopy Course
- 1979 Chautauqua Short Course "Toxic Substances in the Environment"
- 1977-90 Associate Professor, Gettysburg College
- 1998 Chautauqua Short Course "Biodiversity, who needs it?"
- 1990 to present, Professor of Biology, Gettysburg College
- 2000-present Gettysburg College Faculty Marshal

Courses Taught:

- Biology 101-102 General Biology, Contemporary Topics in Biology
- Biology 111-112 Introductory Biology
- Biology 230, 330 Microbiology, Bacteriology

- Biology 223, 323 Parasitology
- Biology 460 Individualized Study
- Biology J-8 Environmental Microbiology
- Biology J-9 Biostatistics
- Biology J-16 Virology
- Biology J-23, 215 Electron Microscopy and Ultrastructure
- Biology J-26 Biological Control of Plant and Animal Pests
- Biology J-33 Microtechniques and Histochemistry
- IDS 401 Co-director (with Chan Coulter), Senior Scholars' Seminar, 1984-85
- Guest lecturer, Introduction to Medical Anthropology, 1983-90
- Guest lecturer, Introductory Fish Diseases Course 7517, University of Pennsylvania Veterinary School, 1982-86

Non-Teaching Committees and Boards:

- 1967-68 Student Affairs Committee
- 1968-72, 1983-86 Admissions and Advanced Standing Committee, Chairperson, 1971-72 and 1983-85
- 1970-present First-year Student Advisor
- 1970-72 Honor Commission Appeal Board
- 1972-75 Honor Commission Advisor
- 1973-75 Athletic Advisory Committee
- 1974-80 Advisor to Beta Beta Beta Biological Honor Society
- 1970-81 Director, Biology Department Animal Facilities
- 1977-80 Residential Life Commission, Chairperson, 1980
- 1979-85 Outreach Program, Gettysburg College
- 1980-84 Faculty Advisor to Theta Chi Fraternity
- 1981-83 Student Conduct Review Board
- 1981 Acting Chairperson, Biology Department (Fall semester)
- 1983-86 Interdepartmental Studies Committee
- 1983-89 Advising and Orientation Task Force/Commission
- 1984-86 Educational Services Committee, Board of Trustees
- 1985-90 Chairman, Department of Biology
- 1985 Senior Colleague, CPC Teaching Workshop
- 1986-88 College Relations Committee, Board of Trustees
- 1987 Convenor, Department Chairpersons Meetings
- 1988-89 Chairman, Strategic Athletic Planning Committee
- 1991-92 Faculty Personnel Committee
- 1993-94 Institutional Animal Care and Use Committee
- 1996 Student Life Council
- 1996-present Faculty Representative, Association of Lutheran College Faculties
- 1997-present Chairman, Institutional Animal Care and Use Committee
- 1997-2001 Chairman, Department of Biology
- 1999-2001 Financial Planning and Compensation Committee
- 1999-2001 Fiscal and Personnel Management Committee representative, Board of Trustees
- 1999-2001 Chairman, Faculty Budget Committee
- 2004-present Faculty Finance Committee, Chair 2005-present

General Academic and Research Interests:

- Presenting biological concepts to non-science majors
- Offering courses in parasitology, microbiology, and electron microscopy
- Research activities are centered around the morphology, systematics, zoogeography, and ecology of fish and molluscan parasites, particularly the platyhelminth classes Monogenea and Trematoda

Awards, Grants and Honors:

- 1973 NIH Training Grant Fellow, Louisiana State University, Interamerican Fellow in Tropical Medicine
- 1979 Alpha Phi Omega Service Award
- 1987 Participant, NSF Grant BBSR 8618863, University of Delaware
- 1987 Theta Chi Fraternity Chapter Service Award
- 1991 *Who's Who In Science and Engineering*, 1st edition
- 1994 *Men of Achievement*, 17th edition, Cambridge, England
- 1997, 1998, 2006-07 *Who's Who in Medicine and Health Care*
- *Who's Who in America*, 1998, 1999, 2000, 2006 and 2007 editions
- 1998 Lifetime Achievement Award, Pennsylvania Academy of Science
- 1998 Anniversary Award, Helminthological Society of Washington
- Recipient of several Gettysburg College Institutional Research Grants

Current Membership in Learned and Honorary Societies:

- Phi Kappa Phi
- American Malacological Society
- Annual Midwestern Conference of Parasitologists
- The Wildlife Disease Association

The American Society of Parasitologists

- 2003-2006 Clark P. Read Mentor Award Committee (chair 2004-2006)

The Helminthological Society of Washington

- 1973-75 Executive Committee
- 1976-79, 1986-89, 2000-2002 Awards Committee
- 1979-82, 2005- Corresponding Secretary-Treasurer
- 1983 Vice President
- 1984 President
- 1985-93, 98-99 Editorial Board of *The Journal*
- 1991-93 Honorary and Life Membership Committee
- 1993-98 Editor, *The Journal of the Helminthological Society of Washington*
- 2000-2002 Editorial Board of *Comparative Parasitology*
- 2002-04 Vice President
- 2005-present Corresponding Secretary-Treasurer

The Pennsylvania Academy of Science

- 1980-84 Research Grants Committee
- 1980-84 Editorial Committee of *The Proceedings of the Pennsylvania Academy of Science*
- 1984-86 Assistant Treasurer
- 1986-90 Treasurer
- 1988-90 President-Elect
- 1990-92 President
- 1992-94 Immediate Past President
- 1994-96 Editor, PAS Science Opportunities Directory
- 1994-1998 Secretary, Investments Committee
- 1996-present Chair, Constitution and Bylaws Committee
- 1998-2000 Chair, Investments Committee
- 2000-present Chair, Finance Committee
- 2006-present Member of the Editorial Committee

The Brayton H. Ransom Memorial Trust Fund

- Trustee 2004-present

BIBLIOGRAPHY

Heard, W. H. and S. S. Hendrix. 1964. Behavior of unionid glochidia. *American Malacological Union Annual Report*, pp. 2-4.

Hendrix, S. S. and R. B. Short. 1965. Aspidogastrids from Northeastern Gulf of Mexico river drainages. *Journal of Parasitology*, 51:561-569.

Hendrix, S. S. 1968. New host and locality records for two aspidogastrid trematodes, *Aspidogaster conchicola* and *Cotylaspis insignis*. *Journal of Parasitology*, 54:170-180.

Hendrix, S. S. 1971. Host nutrition and parasitism. *In Report on the Parasitological Programs Related to Human Health and Agriculture in Developing Countries. Second International Congress of Parasitology, Washington, D.C. Journal of Parasitology*, 57(Sect. II, Part 2):168-169.

Hendrix, S. S. and R. B. Short. 1972. The juvenile of *Lophotapsis interiora* Ward and Hopkins, 1931 (Trematoda: Aspidobothria). *Journal of Parasitology*, 58:63-67.

Hendrix, S. S. 1973. *Plagioporus hypentelii* sp. n. (Trematoda: Opcoelidae from the hog-sucker, *Hypentelium nigricans* (LeSueur) (Osteichthys: Catostomidae). *Proceedings of the Helminthological Society of Washington*, 40:144-146.

Hendrix, S. S. and R. M. Overstreet. 1977. Marine aspidogastrids (Trematoda) from fishes in the northern Gulf of Mexico. *Journal of Parasitology*, 64:810-817.

- Hendrix, S. S. 1978. The life history and biology of *Plagioporus hypentelii* Hendrix, 1973 (Trematoda: Opecoelidae). *Journal of Parasitology*, 64:606-612.
- Halton, D. W. and S. S. Hendrix. 1978. Chemical composition and histochemistry of *Lobatostoma ringens* (Trematoda: Aspidogastrea). *Zeitschrift fur Parasitenkunde*, 57:237-241.
- Hendrix, S. S. 1979. The misunderstood fish gill trematode. *Lab Animal*, 8:8. (Letter to the editor)
- Hendrix, S. S. 1980. Presentation of the 1979 Helminthological Society of Washington Anniversary Award to Dr. Everett Elmer Wehr. *Proceedings of the Helminthological Society of Washington*, 47:153-155.
- Hendrix, S. S. and R. M. Overstreet. 1983. Evaluation of the status of *Texanocotyle pogoniae* and *Laterocotyle padraeinsulae* (Trematoda: Aspidogastridae). *Journal of Parasitology*, 69:431-432.
- Hendrix, S. S., M. F. Vidrine, and R. H. Hartenstine. 1985. A list of records of freshwater aspidogastrids (Trematoda) and their hosts in North America. *Proceedings of the Helminthological Society of Washington*, 52:289-296.
- Hendrix, S. S. 1986. Population biology of the pleurocerid snail, *Leptoxis carinata* (Brug.) in Marsh Creek, Adams County, PA. *American Malacological Bulletin*, 4:119. (abstr.)
- Hendrix, S. S. 1990. Presentation of the 1989 Helminthological Society of Washington Anniversary Award to Dr. J. Ralph Lichtenfels. *Journal of the Helminthological Society of Washington*, 57:91-92.
- Hendrix, S. S. 1992. Book Review: Parasite-Host Associations. Coexistence or Conflict? Taft, et al. (eds.) 1991. *BioScience*, 42:721-723.
- Hendrix, S. S. 1993. *Directory of Science Education Opportunities and Resources in Pennsylvania*. 1st edition, Pennsylvania Academy of Science and Pennsylvania School Boards Association, ii and 27 pages. (coordinating editor)
- Hendrix, S. S. 1994. Marine Flora and Fauna of the Eastern United States. Platyhelminthes: Monogenea. NOAA Technical Report NMFS 121 of the *Fisheries Bulletin*, 107 pp.
- Hendrix, S. S. and L. M. Rosenfeld. 1995. *Directory of Science Education Opportunities and Resources in Pennsylvania*. 2nd edition, Pennsylvania Academy of Science and Pennsylvania School Boards Association, ii and 32 pages. (coordinating editors)
- Amin, O. M. and S. S. Hendrix 1999. Acanthocephala of cichlids (Pisces) in Lake Malawi, Africa, with a description of *Acanthogyrus (Acanthosentis) malawiensis* sp. n. (Quadrigyridae) from *Labeo cylindricus* Peters, 1852 (Cyprinidae). *Journal of the Helminthological Society of Washington* 66: 47-55.

SEM Micrograph of the flea, *Stenoponia Americana* (male) by David Salmon, Ralph Eckerlin and Sherman Hendrix, IN: Bush, et al. 2001 "Parasitism: The Diversity and Ecology of Animal Parasites. Cambridge University Press, p. 266.

Justine, J.-L., R. Jovelin, L. Neifar, I. Mollaret, L. H. Susan Lim, S. S. Hendrix, and L. Euzet. 2002. Phylogenetic positions of the Bothitrematidae and Neocalceostomatidae (Monopisthocotylean Monogeneans) inferred from 28S rDNA sequences. *Comparative Parasitology* 69: 20-25.

Hendrix, S. S. and D. C. Kritsky (Guest Editors). 2002. Thematic Issue, Fourth International Symposium on Monogenea. *International Journal for Parasitology*, 32(3): 233-384.

Hendrix, S. S. 2004. "Report on the Sixth International Symposium on Fish Parasites", In: L. A. Chisholm (ed.) The 11th Ichthyoparasitology Newsletter, January.
<http://www.diplectanum.dsl.pipex.com/newsletter/2004/newsl11.htm>

Hendrix, S. S. 2004. Some Aspects of the Biology of the Monogenean *Bothitrema bothi* from gills of the Flounder, *Scophthalmus aquosus* from New Jersey, USA. *Folia Parasitologica*. 51: 229-237. (Special Issue: Recent Results in Fish Parasitology)

Hendrix, S. S. 2005. Chapter 10 "Parasites of Fishes", In: Majumdar, S. K., et al. (Eds.) Wildlife Diseases, Pennsylvania Academy of Science, Books series.

Hendrix, S. S. 2005. Chapter 11 "Viral, Bacterial and Fungal Diseases of Fishes" In: Majumdar, S. K., et al., (Eds.) Wildlife Diseases, Pennsylvania Academy of Sciences, Books series.

McCrary, J. K., B. R. Murphy, J. R. Stauffer, Jr., and S. S. Hendrix. 2006. "Tilapia (Teleostei: Cichlidae) Status in Nicaraguan Natural Waters", 8 July, electronic publication in *Environmental Biology of Fishes*.

McCrary, J. K., B. R. Murphy, J. R. Stauffer, Jr., and S. S. Hendrix. 2006. "Tilapia (Teleostei: Cichlidae) Status in Nicaraguan Natural Waters" *Environmental Biology of Fishes* 78(2): 107-114.

Bray, R. A. and S. S. Hendrix. 2007. "A New genus and species of Macroderioidae, and other digeneans from fishes of Lake Malawi, Africa" *Journal of Parasitology*, 93(4): 860-865.

Papers Presented:

"The nymph of *Lophotaspis interiora*," presented to the American Society of Parasitologists, San Juan, Puerto Rico, November, 1966.

"The life cycle and biology of *Plagioporus* sp.," presented to the American Society of Parasitologists, Miami, FL, November, 1972.

"Highlights of the LSU trip, Group 61." Presented to the Helminthological Society of Washington, October, 1973.

"The effects of concurrent infection with *Nippostrongylus brasiliensis* and *Hymenolepis diminuta*." Presented to the American Society of Parasitologists, New Orleans, LA, November 1975.

"Monogenetic trematodes of fishes in the New York bight." Presented to the Helminthological Society of Washington, October 1977.

"Metazoan parasites of *Microtus pennsylvanicus* in south central Pennsylvania." Presented to the American Society of Parasitologists, Chicago, IL, November, 1978.

"Population biology of the Pleurocerid snail, *Leptoxis carinata* (Brug.) in Marsh Creek, Adams County, PA." Presented at the annual meeting of The Pennsylvania Academy of Science, April, 1981.

"Monogenetic trematodes of fishes of the New York bight." Presented at the Annual Midwest Conference of Parasitologists at Ohio State University, June, 1985.

"Population biology of the Pleurocerid snail, *Leptoxis carinata*" Presented at the American Malacological Union at the University of Rhode Island, August 1985.

"Scanning electron microscope study of *Bothitrema bothi* (Bothitrematidae)." Presented at the first International Symposium on Monogenea at eské Budjovice, Czechoslovakia, August, 1988.

"Scanning electron microscope study of *Bothitrema bothi* (Bothitrematidae)." Presented at the Eastern Fish Health Workshop, American Fisheries Society, Annapolis, MD, July, 1989.

"Attachment and gill microhabitat of *Bothitrema bothi* (Monogenea)." Presented to the International Congress of Parasitology, VII, Paris, France, August, 1990.

"Marine Monogenea from The Mid-Atlantic Coast of the United States." Presented to the Second International Symposium On Monogenea, Montpellier, France, July, 1993.

"Immunohistochemical Observations on the Peptidergic Neuronal Pathways in *Aspidogaster conchicola* (Trematoda: Aspidogastrea)." Presented at the British Society for Parasitology Spring Meeting, University of Manchester Institute of Science and Technology, April, 1997 (poster presented by R. N. Johnston et al., The Queen's University of Belfast)

"Cytochemical Observations on the Neuromuscular Systems of Two Aspidogastrid Trematodes." Presented at the British Society of Parasitology Spring Meeting, Exeter University, April, 1998 (poster presented by R. N. Johnston, et al., The Queens University of Belfast).

"Microecology of meatzoan ectoparasites on gills of three species of cichlids from Lake Malawi, Africa", with Jay R. Stauffer, Pennsylvania State University. Presented at the American Society of Parasitologists meeting, Kona, HI, August, 1998.

"Adventures of a marine parasitologist." Presented to the Gettysburg College Retired Faculty Luncheon, October, 2001.

"*Cichlidogyrus* from three species of *Petrotilapia* in Lake Malawi, Africa", Presented at the Fourth International Symposium on Monogenea, Brisbane, Australia, July, 2001.

"Lake Malawi, Africa, Is it Being Overexploited?" Presented to the South Mountain Chapter of the Audubon Society, September 16, 2002.

Presentation of the 2002 Helminthological Society of Washington Anniversary Award to Ronald C. Neife, Washington, D. C. , October 16, 2002

"*Cichlidogyrus* and other Monogenea from Fishes in Lake Malawi, Africa", Presented at the Spring Meeting of the Helminthological Society of Washington, Gettysburg College, March 29, 2003.

"Some Aspects of the Biology of the Monogenean *Bothitrema bothi* from gills of the Flounder, *Scophthalmus aquosus* from New Jersey, USA." Presented to the Sixth International Symposium on Fish Parasites, University of the Free State, Bloemfontein, South Africa, September 23, 2003.

"Functional Morphology of the Monogenean, *Bothitrema bothi* from Gills of the Flounder, *Scophthalmus aquosus*, from New Jersey, USA". Presented at the Annual Meeting of the Pennsylvania Academy of Science, Monroeville, PA, March 27, 2004.

"Functional Morphology of the Monogenean, *Bothitrema bothi* from Gills of the Flounder, *Scophthalmus aquosus*, from New Jersey, USA". Presented at the Spring Meeting of the Helminthological Society of Washington, George Washington University, Washington, DC., April 3, 2004.

"Welcome Back to G-burg!" Presented to the class of 1961 Reunion Dinner, June 3, 2006.

"Some Changes at Gettysburg College from the 1930's to Today". Presented at the Gettysburg College Friday Faculty Lunch, September 1, 2006.

"Analysis of Drying Methods for Scanning Electron Microscopy of Selected Platyhelminthes". Coauthored by James Gates '07 and Sherman Hendrix. Presented at the 83rd Annual Meeting of the Pennsylvania Academy of Science, March 31, 2007.

"Analysis of Drying Methods for Scanning Electron Microscopy of Selected Platyhelminthes". Coauthored by James Gates '07 and Sherman Hendrix. Presented at the First North American Meeting of the American Society of Parasitologists, Sociedad Mexicana de Parasitologia and Parasitology Section of the Canadian Society of Zoologists, Merida, Mexico, June 24, 2007.

In Preparation:

Copepods of fishes from Lake Malawi, (with Dr. Liesl van As, South Africa)

Metazoan parasites of cichlid and other fishes of Lake Malawi, Africa.

Gill Monogeneans of fishes in the vicinity of Hilo, Hawaii.

Gill Monogeneans of fishes of Delaware Bay and the middle Atlantic shelf.

Helminth and protozoan parasites of the swampfish, *Chologaster cornutus* from North Carolina.

Scanning and transmission electron microscopy of selected Monogenea from marine and freshwater fishes.

Revised 18 March, 2009