

VITAE

OF

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Education:

Cornell University - B. S., December 1972
Virginia Polytechnic Institute and State University - Ph.D., June 1975

Doctoral Dissertation:

The influence of temperature on the distribution, community structure and condition of fish of the New River, Glen Lyn, Virginia.

Positions Held:

Ichthyological Associates, Lancaster, Pennsylvania
Junior laboratory and field biologist, June - September 1968
Ichthyological Associates, Lancaster, Pennsylvania
Field biologist in charge of collection, identification of seine collections and larval fish, June - September 1969
Ichthyological Associates, Lancaster, Pennsylvania
Biologist - larval fish collection, seine collections, age and growth studies on Muddy Run Pumped Storage Reservoir, May - September; December - January 1970
Ichthyological Associates, Lancaster, Pennsylvania
Biologist - seine and larval fish collections, population studies on Muddy Run Pumped Storage Reservoir, May - September; December - January 1971
Cornell University, Ithaca, New York
Laboratory assistant - identification of rotifers and zooplankton, January - May 1972

Ichthyological Associates, Lancaster, Pennsylvania
 Biologist in charge of Laboratory - sorting and identification of all fish;
 curator of museum specimens; population studies on Muddy Run Pumped
 Storage Reservoir, May - September 1972

Virginia Polytechnic Institute and State University, Blacksburg, Virginia
 Graduate Research Assistant, January 1973 - May 1975
 Lab instructor in vertebrate natural history, September - December 1973;
 September - December 1974

Appalachian Environmental Laboratory, Center for Environmental and
 Estuarine Studies, University of Maryland
 Assistant Professor, April 1975 - 1980
 Associate Professor, July 1980 - June 1984

The Pennsylvania State University, School of Forest Resources
 Associate Professor Fishery Science, July 1984 - June 1988
 Professor of Ichthyology, July 1988 – December 2005
 Distinguished Professor of Ichthyology January, 2007 - present

Graduate Faculty:

University of Maryland, Fall 1978
 Elected regular member of Graduate Faculty
 The Pennsylvania State University, 1984

Adjunct Faculty:

Appalachian Environmental Laboratory, University of Maryland
 Bunda College and Chancellor College, University of Malawi

Services:

Professional Affiliations

Association of Southeastern Biologists
 American Fisheries Society
 American Association of the Advancement of Science
 Sigma Xi
 Pennsylvania Academy of Sciences
 American Society of Ichthyologists and Herpetologists
 Ecological Society of America
 Potomac River Basin Commission
 Society of Systematic Zoologists
 American Institute of Biological Sciences
 American Society of Naturalists

Courses Taught:

Course Number	Title	Credit Hours	Years Taught
Biol. 627 FSC/AEL	Advanced Ichthyology	3	8
ERT 283 GCC	Fisheries Biology & Mgt.	3	4
ERT 180 GCC	Population Ecology & Mgt.	3	7
Biol. 693 FSC/AEL	Ind. Study-Fish Embryology	3	1
Biol. 692 FSC/AEL	Ind. Study-Evolution & Systematics	3	1
Biol. 693 FSC/AEL	Ind. Study-Crayfish Behavior in Relation-Temperature		1
Biol. 626 FSC/AEL	Fish Biology and Behavior	3	2
WFS 452 & WFS 453	Ichthyology	4	28
WFS 552	Systematics and Evolution of Fishes	3	15
WFS 422	Ecology of Fishes	3	16
Ent/Bio/WSF 542	Systematics	3	14
WFS 300 & 301	The Vertebrates	4	6
WFS 460	Wildlife Behavior	3	2
WFS 435	Limnology	3	1

Awards:

Phi Sigma Award. 1974. For outstanding graduate research in the biological sciences at VPI & SU.

Sigma Xi Research Award, 1974. For outstanding graduate students and promoting scholarly achievement.

Certified as Professional Fisheries Biologist by American Fisheries Society.

Member, American Institute of Fishery Research Biologists.

Fulbright Research Scholar 1990-1991 to Malawi, Africa

Fulbright Research Scholar 1995 to Malawi, Africa

Referee:

American Midland Naturalist

Bio Science

Chesapeake Science

Transactions of American Fisheries Society

Pennsylvania Academy of Science

Virginia Journal of Science

American Society for Testing and Materials

Water Resources Bulletin

Hydrobiologia

National Science Foundation
 Ecology
 Copeia
 Biology Letters
 Fisheries
 Canadian Journal of Zoology
 American Naturalist
 Biology Letters

Editor and Session Chairman:

Symposium on Surface Mining and Fish/Wildlife Needs in Eastern United States. Sponsored by USFWS and W. Va. Univ., Morgantown, W. Va. 1979

Special Session of 1980 National Meeting of American Fish. Soc.: Biomonitoring of Fish. Louisville, Ky.

Aquatic Ecology Section of Association of Southeastern Biologist. 1980. Tampa, Florida.

Distribution Biology and Management of Exotic Fishes. American Fisheries Society 1981. Albuquerque, NM.

Chair, Program Committee for American Society of Ichthyologists and Herpetologists Annual Meeting at Penn State, June 1999.

Chair, Program Committee for American Society of Ichthyologists and Herpetologists Annual Meeting at Penn State, June 2001.

Contracts and Grants:

Principal or Co-principal Investigator on Following Grants and Contracts:

Analysis and evaluation of acceptable temperature limitations for fishes in the Middle Atlantic States.

Mid-Atlantic Power Consortium

9/1/76-10/31/78

\$64,000

Studies of fishes of Monongahela National Forest U. S. Dept. of Ag./U.S. Forest Service.

9/22/76-12/31/77

\$4,000

Survey of fishes and macoinvertebrates of Youghiogheny River
3/1/77-4/81
Maryland Department of Nat. Resources
\$75,061.28

Study program-evaluate the effects of impingement and
entrainment of the Glen Lyn Power Station on the larval fish of the New
River, Virginia.
American Electric Power Company
3/15/76-3/14/77
\$14,841

Temperature preference and avoidance studies of fishes
P. H. Glatfelter
11/1/75-9/30/77
\$7,490.30

Fish and crab behavior in the vicinity of cooling water intake and discharge
structures.
DNR, PPSP
9/1/76-1/31/78
\$50,967

Gauley River Study
U.S., FWS
4/9/76-12/1/76
\$6,985

Blue Ridge Study
VPI & SU
7/1/75-10/1/75
\$4,000

Deep Creek Lake Smelt Project
DNR, FA
1/1/76-5/31/76
\$4,000

Big River Missouri Study
Dresser Industries
9/15/75-3/14/76; 3/16/76-3/15/77
\$17,389
\$20,919

Aquatic Biological Survey of New River, W. VA.
U.S. Fish and Wildlife Service

4/23/79-12/31/79
\$20,000

Identification of Larval Fish From Monongahela River
Stearns-Roger, Inc.
4/1/79-9/1/79
\$8,260.60

Development of Methodology for Determining Distribution and
Status of the Hellbender
Maryland DNR
3/15/79-9/15/79
\$11,828

Survey of Hellbenders in Maryland
Maryland DNR
9/15/79-12/31/81
\$62,231

Survey of the Fishes and Macroinvertebrates of the Potomac River
Maryland Coastal Zone Administration
6/1/79-6/1/80
\$48,870

Taxonomic Status of "*Rhinichthys bowersi*"
U. S. Forest Service
6/1/80-6/1/81
\$39,000

Temperature tolerance and preference of two species of *Tilapia*
at varying salinities.
9/1/81-8/31/82
\$16,854

Water quality sampling program of the Youghiogheny - Little
Youghiogheny Rivers
8/17/81-10/9/81
\$19,581

Effects of Light on preference and avoidance responses of three
estuarine fishes
Potomac Edison Power Company
\$75,000

Radiotelemetry Study of Hellbenders
3/1/82-10/1/82

\$11,346

Assessment of the Aquatic Fauna of the North Branch Potomac River
Army Corps of Engineers
6/1/82-10/15/82
\$7,000

Assessment of the Aquatic Fauna of the Tioga/Hammond Watersheds
Army Corps of Engineers
7/1/82-12/1/82
\$7,000

Effects of light on preference and avoidance responses of sea turtles
Florida Power and Light
11/1/82-11/1/83
\$89,000

Assessment of the Aquatic Fauna of the North Branch Potomac River
and Tioga/Hammond Watersheds
Army Corps of Engineers
5/1/83-12/1/83
\$23,527

Fishes of West Virginia. Part I (5 year renewable contract)
West Virginia Department of Natural Resources
7/1/83-6/30/84
\$12,794

Habitat Evaluation procedures for Cowanesque Lake
Army Corps of Engineers
1/4/84-11/30/84
\$7,510

Tioga-Hammond/Cowanesque and Bloomington/Savage Biological Surveys
Army Corps of Engineers
6/1/84-6/30/85
\$23,378

Chronic Toxicity of the University Area Joint Authority Effluent
on Brown Trout
University Area Joint Authority
11/1/84-7/31/86
\$45,770

Evaluation of Aquatic and Terrestrial Fauna on the Mill Creek Site

Environmental Protection Agency/US Fish and Wildlife Service
11/1/84-4/30/85
\$22,192

Evaluation of Run-off from a Hazardous and Toxic Waste Landfill
on the Fishes and Macrobenthos of the Upper Delaware River
National Park Service
9/1/84-12/30/85
\$23,191

Fishes of West Virginia. Part II (5 year renewable contract)
West Virginia Department of Natural Resources
7/1/84-6/30/85
\$14,045

Evaluation of Non-game Fishes from the Ohio River Drainage in
Pennsylvania
Wild Resources Conservation Board/PA. Fish Comm.
1/1/85-12/30/86
\$47,072

Relationships Among Contaminants in Fish and Wildlife and Hazardous
Waste Sites at the Bald Eagle Creek Site in Lock Haven, PA
U. S. Fish and Wildlife Service
9/25/85-9/25/86
\$2,982

Status of the Cheat Minnow *Rhinichthys bowersi* in the Monongahela River
Drainage
U. S. Fish and Wildlife Service
6/1/85-12/31/86
\$5,518

Survey-locate additional populations of the endangered Maryland Darter
(*Etheostoma sellare*)
U. S. Fish and Wildlife Service
7/1/85-12/31/86
\$12,977

Fishes of West Virginia Part III (5 year renewable contract)
West Virginia Department of Natural Resources
7/1/85-6/30/86
\$15,146

Fishes of West Virginia Part IV (5 year renewable contract)
West Virginia Department of Natural Resources

7/1/86-6/30/87
\$16,378

Evaluation of Run-off from a Hazardous and Toxic Waste Landfill on the
Fishes and Macroinvertebrates of the Upper Delaware River.
Cost extension National Park Service

3/1/86-3/15/87
\$13,252
3/15/87-10/15/87
\$3,311

Effects of Flood Damage and Channelization on Recolonization in a
West Virginia Trout Stream

U. S. Fish and Wildlife Service

7/1/86-6/30/87
\$23,000

Thermal Tolerance of the Blue Tilapia, *Oreochromis aureas* in the
Susquehanna River, Pennsylvania

Pennsylvania Power and Light

11/1/86-6/30/87
\$15,950

Biological Control of the Human Disease Bilharziasis (Schistosomiasis) by
Lake Malawi Molluscivores. USAID

10/1/85-9/30/89

United States Agency for International Development
\$139,166

Evaluation of Non-game Fishes from Eastern Pennsylvania

Wild Resources Conservation Board

1/1/87-6/30/89
\$55,988

Increasing the Production Efficiency of Atlantic Salmon Aquaculture
Systems

U. S. Fish and Wildlife Service

9/1/86-12/31/87
\$9,173

Mate Choice, and the Behavioral Significance of Nest Form Among Cichlid
Fishes of Lake Malawi, Africa.

National Science Foundation

10/1/86-9/30/89
\$197,513

Fishes of West Virginia - Part V (6 year renewable contract)
West Virginia Department of Natural Resources
7/1/86-6/30/87
\$18,007

Effects of Flood Damage and Channelization on Recolonization in
West Virginia Trout Stream
U. S. Fish and Wildlife Service
7/1/86-12/31/89
\$46,676

Biological Survey and Management Plan for the Valley Creek Drainage
Basin, Valley Forge National Park
National Park Service
7/1/87-6/30/88
\$24,891

Life Histories of Eight Species of Fishes from the Allegheny River System,
Pennsylvania
Wild Resources Conservation Board
1/1/88-12/31/90
\$79,226

Identification of Macroinvertebrate Samples Collected by the
National Park Service
National Park Service
10/29/88-6/30/93
\$37,282

Factors Influencing Biotic Diversity of Streams in the Upper Allegheny
River System.
Wild Resources Conservation Board
1/1/90-12/30/93
\$159,576

Prediction of Resistance and Resilience in Stream Ecosystems
National Park Service
5/1/90 - 4/30/93
\$61,032

Identification of Commercially Important Fishes of Lake Malawi
United States Agency for International Development
11/1/90 - 9/30/93
\$149,235

Determination of Biodiversity in Complex Ecosystems
United States Agency for International Development
8/2/91-8/1/95
\$149,969

Toxicological Evaluation of Upper Spring Creek, Centre County
Pennsylvania
SMC Environmental Services
9/1/90-6/30/91
\$18,466

The Distribution, Population Status, and Ecology of *Etheostoma maculatum* in upper French Creek, New York
New York Nature Conservancy
5/15/91-12/31/92
\$10,000

JVSD Tilapia Aquaculture
Iceland Seafood
10/23/90-8/31/91
\$11,792

Ben Franklin Match of Iceland Seafood
Ben Franklin Foundation
10/23/90-8/31/91
\$8,000

Endangered Fisheries Investigation: Darter Biology.
New York State Department of Environmental Conservation.
4/1/92-3/31/95.
\$27,660

The effect of environmental and processing procedures on the consumer acceptability of tilapia from an aquaculture closed system.
Pennsylvania Department of Agriculture.
7/1/92-6/30/95.
\$128,106

Effects of Introduced Species on the Distribution, Ecology, and Biology of Indigenous Fishes.
U.S. Fish and Wildlife Service.
4/1/93-3/31/98
\$268,572

Mid-Appalachian Indicator Development and Stream Surveys
Environmental Protection Agency.

6/1/93-5/31/96
\$147,011

Compilation of Biological Data of National Park Units.
National Park Service.
9/30/93 - 9/29/94
\$14,999

Anthropogenic and Natural Influences on Fish Patterns in Pennsylvania
National Biological Survey (USDI)
04/01/95 - 12/30/96
\$79,641

Reproductive Biology of Fishes in the Upper Delaware River
National Biological Survey (USDI)
04/01/95 - 12/30/96
\$20,000

Status of Indigenous Lampreys in Pennsylvania
Wild Resources Conservation Fund
01/15/95 - 06/30/97
\$102,825

In situ Video of Pennsylvania's Freshwater Fish Fauna
Wild Resources Conservation Fund
04/15/96 - 06/30/98
\$35,000

Assessment of the Effects of Limestone Quarrying on the Biota of
Pennsylvania Streams
Penns Valley Conservation Association
04/15/97 - 04/14/98
\$22,000

Pennsylvania Species of Concern – Fish species Reference Book
Pennsylvania Department of Transportation
6/21/99-6/20/00
\$50,000 (year 1 of 5 year project)

Research Plan for Habeeb Lake in Rocky Gap State Park
University of Maryland/Maryland Department of Juvenile Justice
9/1/98-8/31/99
\$59,581

Fish Identification Training Course

Department of Environmental Protection
4/15/99-12/31/99
\$39,632

Effect of Mountain Top Mining on Fish Distribution
USFWS
09/01/98-06/30/01
\$192,000

Marshalls Creek Shiner Study
USDI – USGS
8/15/99 – 8/14/03
\$230,298

Using Fish-Control Schistosomiasis in Lake Malawi, Africa
Conservation, Food and Health Foundation
4/12/00 – 12/30/01
\$16,190

Pennsylvania Species of Concern
Pennsylvania Department of Transportation
9/15/00-9/14/01
\$58,000 (year 2 of 5 year project)

Fishes of Pennsylvania
USFWS
09/15/00-09/14/04
\$339,000

Historical Records for NE National Parks
National Park Service
09/01/00-08/31/01
\$33,000

Etheostoma exile: 1) Current Distribution and 2) Breeding Protocol
Sea Grant
09/01/00-06/30/01
\$9,400

Presque Isle Toxicants: A Possible Cause of Asymmetry in *Fundulus diaphanus*
Sea Grant
09/01/00-06/30/01
\$7,600

Diet, Habitat Preference, and Reproductive Strategies of the Round Goby

(*Neogobius melanostomas*) in Presque Isle Bay, Pennsylvania
 Sea Grant
 09/01/00-06/30/01
 \$5,000

Etheostoma exile: 1) Current Distribution and 2) Breeding Protocol
 Sea Grant. Renewal
 09/01/01-06/30/02
 \$9,400

Presque Isle Toxicants: A Possible Cause of Asymmetry in *Fundulus diaphanus*
 Sea Grant. Renewal
 09/01/01-06/30/02
 \$7,600

Diet, Habitat Preference, and Reproductive Strategies of the Round Goby
 (*Neogobius melanostomas*) in Presque Isle Bay, Pennsylvania
 Sea Grant. Renewal
 09/01/01-06/30/02
 \$5,000

Characterization of Stream Fish Assemblages in Selected Regions of
 Mountain Top Removal/Valley Fill Coal Mining
 U.S. Environmental Protection Agency
 05/1/01-04/30/02
 \$61,754

Amendment-Fishes of PA
 PennDot
 5/14/01-6/30/01
 \$21,307

Trout Feed Evaluation Integrating Waste-Treatment Criteria: Significance
 and Opportunity
 Zeigler Bros., Inc.
 6/13/01 – 6/30/03
 \$42,072

Restoration of Iron Color and Bridle Shiners
 Bureau of Wildlife Management; Pennsylvania Game Commission
 10/1/01 – 9/30/03
 \$141,221

Fishes of Pennsylvania: Creation of Fish Distribution Database Compatible
 With Other GIS Data Layers Work Order No. 1

Pennsylvania Department of Transportation
8/15/01 – 6/30/01
\$56,708

Marshall's Creek Shiner Project
Pennsylvania Department of Transportation
12/1/01 – 4/30/06
\$342,767

Fishes of Pennsylvania: Creation of Fish Distribution Database Year 2 of
Work Order No. 1
Pennsylvania Department of Transportation
7/18/02 – 7/19/03
\$61,024

Survey of Inland Populations of Burbot (*Lota lota*) in Pennsylvania
Year 1
1/1/02 – 12/30/02
Wild Resources Conservation Fund
\$50,000

Investigate the Diet, Habitat Preference and Reproductive Strategies of the
Round Goby (*Neogobius melanostomus*) in Presque Isle Bay, Pennsylvania.
1/1/03 – 12/30/2003
Coastal Zone Management
\$5000

Round Goby Impacts on Pennsylvania's Coastal Aquatic Resources; Erie
County Conservation District;
10/1/01 – 3/31/03;
Coastal Zone Management
\$28,993

Status of *Percina copelandi* in the Lake Erie Drainage
4/1/03 – 3/31/04
Coastal Zone Management
\$10,712

Survey of Inland Populations of Burbot (*Lota lota*) in Pennsylvania
Year 2
1/1/03 – 12/30/05
Wild Resources Conservation Fund
\$58,875

Schistosomiasis: Ecological Interactions Among Schistosomes Snail Hosts,
Human Hosts, & Fish Predators
Ecology of Infectious Diseases, Joint Program NIH/NSF

9/15/02 – 9/14/07
\$1,631,000

Non-native Trout Effects of Native PA Fishes and Associated Food Webs
PA Department of Conservation & Natural Resources
11/12/03 – 06/30/05
\$35,510

Proper Diet Selection for Maximizing Gain and Profitability While
Minimizing Nutrient Loading
Zeigler Brothers, Inc. (subcontract under PDA)
01/01/04 – 06/30/04
\$25,886

Non-native Trout Effects of Native PA Fishes and Associated Food Webs –
Year 2.
PA Department of Conservation & Natural Resources
11/12/04 – 06/30/06
\$20,000

Biological and Chemical Surveys of Habitats Harboring Floral and Faunal
Species of Special Concern
Pennsylvania Department of Transportation
7/1/06-6/30/11
\$536,219

Non-native Trout Effects of Native PA Fishes and Associated Food Webs –
Year 3.
PA Department of Conservation & Natural Resources
4/12/06– 06/30/07
\$16,777.00

Ichthyological survey of the navigational channels and deepwater habitats of
the Ohio, Allegheny, and Monongahela rivers.
PA Department of Conservation and Natural Resources.
10/21/05-6/30/07
\$45,302.00

Collection of fishes of special concern in Pennsylvania
Carnegie Institute
3/15/06-11/30/06
20,000

Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela,
and Ohio rivers
State Wildlife Grants

1/1/01/07-6/30/08
\$99,000

Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela,
and Ohio rivers – Year 2.
State Wildlife Grants
2/15/08-12/31/08
\$105,000.00

Ichthyological survey of the navigational channels and deepwater habitats of
the Ohio, Allegheny, and Monongahela rivers. Year 2
PA Department of Conservation and Natural Resources.
2/15/07-12/31/07
\$36,000

Does phenotypic plasticity in Cichlids confer an advantage over native
sunfishes?
USGS
8/1/07-7/31/08
\$9,434

A catalog of fishes in the Penn State University Fish Museum
Pennsylvania Fish and Boat Commission
7/1/07-6/30/12
\$6,000

Collection of Atlantic Slope Fishes for Pennsylvania's fish development and
metrics verification
Pennsylvania Fish and Boat Commission
7/1/07-8/31/09
\$151,536

Upper Ohio River Larval and Young-of-Year Survey
Army Corps of Engineers
8/1/08-2/28/10
\$237,240

Status and Distribution of Pennsylvania Fishes with special Emphasis on
Lampreys
Wild Resource Conservation Program, DCNR
1/1/09-12/30/2010
\$20,345

Ichthyological Survey of the Deep Waters of the Allegheny, Monongahela,
and Ohio rivers
State Wildlife Grants

1/1/01/08-6/30/10
\$105,965

Habitat partitioning between the Introduced Round Goby (*Neogobius melanostomus*) and Native Stream Fishes in the Lake Erie Drainage of Pennsylvania

Tom Ridge Center Environmental Grants
12/1/2010-3/30/2012
\$45,446

Does phenotypic plasticity in cichlids confer an advantage over native sunfishes?

U. S. Department of Interior
5/1/10-4/30/11
\$15,980

Habitat Assessment and eDNA Analysis of Invasive species in Ohio River and Lake Erie.

Department of Environmental Protection
10/1/2011 – 3/31/2013
\$110,745

Biological and chemical surveys of habitats harboring floral and faunal species of special concern (DGS Legacy Contract No. 999012)

Pennsylvania Department of Transportation
7/1/2011-9/30/2011
\$48,452

Identification of Lake Erie macrobenthos

Tom Ridge Center
12/15/11-8/30/12
\$11,000

Survey of Unassessed Waters for Brook Trout

Pennsylvania Fish and Boat Commission
4/1/2012-12/30/2012
\$10,000

Assessment of Round Gobies in Lake Erie Tributaries

USDI – Water Resources Center; Penn State Sea Grant
4/13/2012 – 12/30/2013
19,243

Survey of Unassessed Waters for Brook Trout

Pennsylvania Fish and Boat Commission

4/1/2013-12/30/2013
\$20,000

Habitat Partitioning of Round Gobies in Artificial Stream
USDI – Water Resources Center; Penn State Sea Grant
1/2/2013-12/30/2013
12,000

Critical Review of Penn State Fish Museum and PA Fish and Boat
Commission Fish Survey Data
State Wildlife Grants
5/1/2013-7/31/2015
\$167,000

Contract for Biological and Chemical Surveys of Habitats Harboring Floral
and Faunal Species of Special Concern
Pennsylvania Department of Transportation
10/1/2011-6/30/2014
\$517,042

Assessing the Ecological Integrity of Presque Islae Bay
Pennsylvania Sea Grant
10/1/2013-1/31/2014
\$45,964

Advisory Commissions:

Member, Pennsylvania Advisory Commission on Rare and Endangered
Fishes.
Member, West Virginia Advisory Commission on Rare and Endangered
Fishes.
Potomac River Basin Commission.

BOOKS, SYMPOSIA AND MONOGRAPHS

1. Stauffer, J. R., Jr., K. L. Dickson, J. Cairns, Jr., and D. S. Cherry. 1976. The potential and realized influences of temperature on the distribution of fishes in the New River, Glen Lyn, Virginia. *Wildlife Monographs* 50:1-40.
2. Harman, D. M., M. L. Brown, and J. R. Stauffer, Jr. 1977. Plant succession following various forestry practices in western Maryland. *Publications in Forest Ecology*, No. 1, Maryland Forest Service, 41 pp.
3. Samuel, D. E., J. R. Stauffer, Jr., C. H. Hocutt, and W. T. Mason (eds.). 1978. *Surface Mining and Fish/Wildlife Needs in the Eastern United States*. U.S. Dept. of Interior. FWS/OBS-78/81. 386 pp.

4. Hocutt, C. H., J. R. Stauffer, Jr., J. E. Edinger, L. W. Hall, and R. P. Morgan (eds.). 1980. *Power Plants: Effects on Fish and Shellfish Behavior*. Academic Press. 346 pp.
5. Lee, D. S., C. R. Gilbert, C. H. Hocutt, R. E. Jenkins, D. E. MacAllister, and J. R. Stauffer, Jr. (eds.). 1980. *Distributional Atlas of the Fishes of North America*. U. S. Fish and Wildlife Service/N.C. State Museum of Nat. History. 854 pp.
6. Samuel, D. E., J. R. Stauffer, Jr., C. H. Hocutt, and W. T. Mason (eds.). 1979. *Surface Mining and Fish/Wildlife Needs in the Eastern United States: Addendum, fish and Wildlife Service*. U. S. Dept. of the Interior. FWS/OBS/78/81A.
7. *Mining and Fish/Wildlife Needs in the Eastern United States: Addendum*. Fish and Wildlife Service. U. S. Dept. of the Interior. FWS/OBS/78/81A.
8. Hocutt, C. H., and J. R. Stauffer, Jr. (eds.). 1980. *Biological Monitoring of Fish*. Lexington Books. D. C. Heath Company. Lexington, Massachusetts. 416 pp.
9. Courtenay, W. R., Jr., and J. R. Stauffer, Jr. (eds.). 1984. *Biology, Distribution and Management of Exotic Fishes*. Johns Hopkins University Press, Baltimore, MD 430 pp.
10. Pratt, J. R., N. Bowers, and J. R. Stauffer, Jr. (eds.). 1995. *Making Environmental Science: A Festschrift in Honor of John Cairns*. Ecoprint. Portland, Oregon 271 pp.
11. Stauffer, J. R., Jr., J. M. Boltz, and L. R. White. 1995. *The Fishes of West Virginia*. Academy of Natural Sciences of Philadelphia. Philadelphia, Pennsylvania. 389 pp.
12. Tzilkowski, C. and J. R. Stauffer, Jr. 2011. *Common Nymphs of Northeastern North America: A Fly-Tying and Fly-Fishing Guide*. Penn State University Press. 110pp.

BOOK CHAPTERS AND SYMPOSIA PROCEEDINGS

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