

**1999 Joint Meeting  
of the  
Virginia and North Carolina Chapters  
American Fisheries Society**

**PROGRAM**

**Tuesday, January 26**

- 08:00 - 12:00 Workshop: Balancing public and professional values in fisheries management - Part 2. **Dr. Steve McMullin**, Virginia Tech.
- 12:00 - 13:00 Lunch (on your own)
- 13:00 - 13:20 Welcoming Comments (Presidents Tom Wilcox and David Yow)

### Contributed Papers (Dr. Steve McMullin, Virginia Tech, moderator)

- 13:20 - 13:40 Managing mussel resources in Virginia: augmentation, conservation, and recovery of rare and endangered species. **Monte A. McGregor** and Michael J. Pinder, Virginia Department of Game & Inland Fisheries.
- 13:40 - 14:00 Propagation of endangered juvenile mussels for species recovery. **Richard J. Neves**, Jess W. Jones, and William F. Henley, Virginia Tech.
- 14:00 - 14:20 Life history aspects of the endangered fanshell, *Cyprogenia stegaria*. **Jess W. Jones** and Richard J. Neves. Virginia Tech.
- 14:20 - 14:40 Design criteria for fish screens in Virginia: recommendations based on a review of the literature. **Charles Gowan** (Randolph-Macon College) and Greg Garman (Virginia Commonwealth University).
- 14:40 - 15:00 An apparatus to quantify swimming speeds of larval fish. **Brian Cleary** (student) and Charles Gowan, Randolph-Macon College.
- 15:00 - 15:30 Break

### Contributed Papers (Dr. Richard Noble, North Carolina State University, moderator)

- 15:30 - 15:50 Spatial heterogeneity in black crappie size and age distributions in B.E. Jordan Reservoir, North Carolina. **Shari Bryant**, Scott Van Horn, and Doug Besler, North Carolina Wildlife Resources Commission.
- 15:50 - 16:10 Evaluation of crappie catch rates and size distributions obtained from 3 different trap nets. **Douglas A. Besler**, North Carolina Wildlife Resources Commission
- 16:10 - 16:30 Habitat utilization of nursery grounds in juvenile summer flounder, *Paralichthys dentatus*: a mark-recapture experiment. **J. Christopher Taylor** (student), North Carolina State University.
- 16:30 - 16:50 Coded wire tag retention in juvenile muskellunge. **Lawrence G. Dorsey**, Gene Wilson, David L. Yow, and Mallory Martin, North Carolina Wildlife Resources Commission.
- 18:00 - 20:00 Evening Social, Howard Johnson Hotel (included with registration)

**Wednesday, January 27**

**Contributed Papers (Dr. Patricia A. Flebbe, U.S. Forest Service, moderator)**

- 08:00 - 08:20 An assessment of the Caney Fork River trout fishery below Center Hill Dam, Tennessee. **George J. Devlin**, (Virginia Department of Environmental Quality) and Phillip W. Bettoli (Tennessee Technological University).
- 08:20 - 08:40 Trout use of woody debris and habitat restoration in Wine Spring Creek, North Carolina. **Patricia A. Flebbe**, U.S. Forest Service.
- 08:40 - 09:00 Short-term impacts of a catastrophic flood on brook trout in Staunton River, Shenandoah National Park. **Andrew Dolloff**, Martin Underwood, and Craig Roghair, Virginia Tech.
- 09:00 - 09:20 Genetic characterization and intermixing of walleye stocks in Claytor Lake and the Upper New River, Virginia. **George C. Palmer** (student), Brian Murphy, and Eric Hallerman, Virginia Tech.
- 09:20 - 09:40 Determination of the native range of the Orange-fin Madtom (*Noturus gilberti*) in Virginia. **Mark T. Kopeny** (University of Virginia) and MaryLynn Aiken (Virginia Institute of Marine Science).
- 09:40 - 10:00 Break

**Contributed Papers (Dave Coughlan, Duke Power Company, moderator)**

- 10:00 - 10:20 Natural mortality of stocked striped bass in Lake Gaston, North Carolina. **Joseph E. Hightower** and James R. Jackson, North Carolina State University.
- 10:20 - 10:40 Competitive interactions between age-0 largemouth bass and juvenile bluegill. **Travis O. Brenden** (student) and Brian R. Murphy, Virginia Tech.
- 10:40 - 11:00 First year recruitment dynamics of largemouth bass in Jordan Lake, North Carolina. **James R. Jackson** and Richard L. Noble, North Carolina State University.
- 11:00 - 11:20 Shallow water fish habitat surveys of the Catawba River Reservoirs. **Hugh Barwick** and Kim Baker, Duke Power Company.
- 11:20 - 11:40 Production dynamics: a useful tool for fisheries research and management. **Tom Kwak**, North Carolina State University.
- 11:40 - 13:00 Lunch (Howard Johnson Hotel, included with registration)
- 13:00 - 16:30 Chapter Business meetings
- 17:00 - 19:00 Evening Social, Outback Restaurant (sponsored by NC Chapter)

**Thursday, January 28**

**Contributed Papers (Duane Harrell, Duke Power Company, moderator)**

- 08:00 - 08:20 A consensus derived management plan for striped bass (*Morone saxatilis*) at Smith Mountain Lake Virginia. **Michael C. Duval**, Virginia Department of Game & Inland Fisheries.
- 08:20 - 08:40 Lake Norman, another story of striped bass and angler/agency conflict. **Scott Van Horn**, North Carolina Wildlife Resources Commission.
- 08:40 - 09:00 Characteristics of the Shearon Harris Reservoir fishery. **Bill Collart**, North Carolina Wildlife Resources Commission.
- 09:00 - 09:20 Anglers on the Shenandoah River system, Virginia: what did they catch, what were they trying to catch, and why. **Darrell W. Bowman**, Virginia Department of Game and Inland Fisheries.
- 09:20 - 09:40 Youth and natural resource management organizations: opportunities for mutually beneficial partnerships. **Chad L. Hallyburton**, North Carolina Museum of Life and Science.
- 09:40 - 10:10 Break

**Contributed Papers (Dr. Tammy Newcomb, Virginia Tech, moderator)**

- 10:10 - 10:30 Distribution and habitat selection of juvenile Atlantic sturgeon in Albemarle Sound, NC. **James L. Armstrong** (student) and Joseph E. Hightower, North Carolina State University.
- 10:30 - 10:50 Longitudinal succession of fishes in the Dan River in Virginia and North Carolina (Blue Ridge/Piedmont provinces). **Fritz C. Rohde**, North Carolina Division of Marine Fisheries.
- 10:50 - 11:10 An assay for genetic differentiation in spotted margined madtoms *Noturus insignis* (Richardson) (undescribed subspecies) in southwestern Virginia. **Aubrey Gilbert** (student) and Mark Kopeny, University of Virginia.
- 11:00 - 11:30 Concluding Remarks
- 11:30 - 13:00 Lunch (on your own)
- 13:00 - 17:00 Workshop: Statistical Methods. **Dr. John Rawlings**, North Carolina State University.