

# COLLEGE OF WILLIAM AND MARY

## *Curriculum Vita Standard Format*

### PERSONAL INFORMATION

Name: **John A. Musick**

Date: **21 October 2014**

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Professional position: Marshall Acuff Professor of Marine Science Emeritus

### EDUCATION

B.A.	Rutgers University	1962
M.A.	Harvard University	1964
Ph.D.	Harvard University	1969

### ACADEMIC POSITIONS

2008- Marshall Acuff Professor in Marine Science Emeritus, College of William and Mary  
1999-2007: Marshall Acuff Chair in Marine Science, Head Vertebrate Ecology and Systematics Programs,  
College of William and Mary  
1981-1999: Professor of Marine Science, Head, Vertebrate Ecology and Systematics  
programs, College of William and Mary, Virginia Institute of Marine Science. Gloucester Point,  
Virginia  
2000-2006 Adjunct Graduate Faculty: School of Fisheries, Animal and Veterinary Science,  
University of Rhode Island  
1971-1978: Scientific Collaborator. U.S. National Park Service, Cape Hatteras National Seashore  
1979-1980: Associate Professor of Marine Science, College of William and Mary  
1969-1979: Assistant Professor of Marine Science, University of Virginia  
1968-1969: Instructor in Marine Science, College of William and Mary

### HONORS, PRIZES AND AWARDS

2009, Distinguished Fellow Award, American Elasmobranch Society  
2008, Lifetime Achievement Award in Science, Commonwealth of Virginia  
2002, Excellence in Fisheries Education Award, American Fisheries Society.  
2001, Outstanding Faculty Award, State Council on Higher Education in Virginia  
2000, Distinguished Service Award, American Fisheries Society [“You are recognized for  
your contributions toward providing understanding of the risks to long-lived marine fish  
species. The importance and timeliness of your contributions are bringing important new visibility and  
exposure to AFS, reinforcing the Society’s relevance in conserving valuable marine resources.”]

2000, Distinguished Researcher Award, School of Marine Science, College of William and Mary  
 1999, Marshall Acuff Chair in Marine Science, College of William and Mary  
 1997, Thomas Ashley Graves Award for Sustained Excellence in Teaching, College of William and Mar.  
 1994, 1995 Nominee PEW Fellows Program in Conservation and the Environment  
 1992, Conservationist of the Year Award, Virginia Beach Anglers Club  
 1991, American Elasmobranch Society Distinguished Service and Leadership Award  
 1989, Elected National Fellow, Explorers Club, New York  
 1985, Elected Fellow, American Association for the Advancement of Science ["For contributions to ecology and zoogeography of marine vertebrates, conservation of endangered species, and graduate education in marine science."]

## ACADEMIC CONTRIBUTIONS

### Courses taught:

MS 666: Ichthyology, 5 credits, instructor: 1970-2007  
 MS 664: Conservation Biology, contribution lecturer, 2000-2004.  
 MS 698: Deep Sea Biology, contribution lecturer, 2000-2008.  
 MS 501: Core Course Marine Science Fundamentals, contribution lecturer, 2001  
 MS 618: Marine Fisheries Science, 3 credits, team taught: 1992-2007  
 MS 5\_\_: Numerous graduate problems and topics courses since 1969-2007.  
 MS 6\_\_: Numerous graduate problems and topics courses since 1969-2007.  
 MS 6\_\_: Advanced Biological Oceanography, 3 credits: 1971-81 (alternate years);

### Students Mentored (SMS/VIMS)

#### Major Advisor ;

**M.A. Graduated:** L. Pace, 2007; J. Romine, 2004; W. Dowd, 2003; J. Ellis, 2003; E. Seney, 2003; R. Pemberton, 2000; C. Conrath, 2000; R. Kraus, 1998; W. Jones, 1997; M. Terwilliger, 1996; L. Ayres, 1995; S. Moein, 1994; H. Banford, 1993; M. Rybitski, 1993; J. Brown, 1991; S. Bellmund, 1988; R. Klinger, 1988; R. Siegfried, 1988; B. Bowen, 1987; M. Armstrong, 1987; G. Delaney, 1986; S. Smith, 1986; T. Sminkey, 1986; J. Hoff, 1985; G. van Housen, 1984; M. Nammack, 1982; M. Lutcavage, 1981; J. Gartner, 1980; R. Middleton, 1979; E. Lawler, 1976; D. Byrne, 1976; G. Sedberry, 1975; C. Cooke, 1974; L. Pushee, 1973; C. Wenner, 1972; D. Markle, 1972; L. Haines, 1971.

**Ph.D. Graduated:** C. Cotton, 2009, P. McGrath 2009, A. Horodysky (co-chair) 2008, J. Romine, 2008, D. Portnoy, 2008; V. Saba, 2007; T. Gedamke (co-chair) 2007, K. Mansfield D, Ha 2006, C. Conrath 2005, K. Goldman, 2002; D. Grubbs, 2001; T. Orrell, 2000; S. Bartol, 1999; W. Coles, 1999; H. Banford, 1998; J. Gelsleichter, 1998; D. Nelson, 1996; J. Desfosse, 1995; L. Daniel (co-chair), 1995; E. Grogan, 1994; E. Heist, 1994; T. Sminkey, 1994; R. Teixeira, 1994; C. Tabit, 1993; J. Keinath, 1993; D. Hata, 1993; C. Baldwin, 1992; J. Ferreira, 1991; J. Luo, 1991; C. Monterio-Neto, 1990; R. Byles, 1988; S. Szedlmayer, 1988; R. Middleton, 1986; T. Munroe, 1986; J. Colvocoresses, 1985; R. Rosa, 1985; M. Anderson, 1984; H. Carter, 1984; R. Crabtree, 1984; W. Raschi, 1984; K. Sulak (co-chair, Un. of Miami), 1982; G. Sedberry, 1980; L. Mercer, 1978; C. Wenner, 1978; L. Chao, 1976; D. Markle, 1976; K. Able, 1974; J. McEachran, 1973.

### Student Committee Service:

M.A.: Too numerous to mention  
 Ph.D.: Too numerous to mention

## RESEARCH

Cotton C. F., R. D. Grubbs, J. E. Dyb, I. Fossen, and J. A. Musick. In Press. Reproduction and embryonic development in two species of squaliform sharks, *Centrophorus granulosus* and *Etmopterus princeps*: evidence of matrotrophy? DeepSea Research II:

Musick, J.A. In Press. Conservation Status, *in*: Salmonidae. Diversity of NORTH AMERICAN Fresh Water Fishes, Natural history, Ecology, & Conservation. M. L. Warren, Jr. and B. M. Burr, eds.

Musick, J.A., and C.F. Cotton. In Press. Bathymetric limits of chondrichthyans in the deep sea: a re-evaluation. Deep Sea Research

Sagarese, S. R., M. G. Frisk, Thomas J. Miller, K.. Sosebee, J. A.. Musick, and P. J. Rago, .2014. Influence of environmental, spatial, and ontogenetic variables on habitat selection and management of spiny dogfish in the Northeast (US) shelf large marine ecosystem. Can. J. Fish. Ocean.

Cotton, C. F., A. H. Andrews, S. B. Irvine, G. M. Cailliet, R. D. Grubbs, and J. A. Musick. 2014. Assessment of radiometric dating for age validation of deep-water dogfish (Order: Squaliformes) finspines. Fisheries Research 151:107-113. <http://dx.doi.org/10.1016/j.fishres.2013.10.014>

Dulvy, N.K., S. L. Fowler, J. A. Musick, R. D. Cavanagh, P. M. Kyne, L. R. Harrison, J. K. Carlson, L. NK Davidson, S. V. Fordham, M. P. Francis, C. M. Pollock, C. A. Simpfendorfer, G. H. Burgess, K. E. Carpenter, L. JV Compagno, D. A. Ebert, C. Gibson, M. R. Heupel, S. R. Livingstone, J. C. Sanciangco, J. D. Stevens, S. Valenti, and W. T. White. 2014. Extinction risk and conservation of the world's sharks and rays. <http://elife.elifesciences.org>

McGrath, P.E., H.J. Hilton, and J.A. Musick. 2013. Temporal and Spatial Effects on the Diet of an Estuarine Piscivore, Longnose Gar (*Lepisosteus osseus*). Estuaries and Coasts. 11:

Conrath, C. L., and J.A. Musick. 2013. Reproductive Biology of Elasmobranchs. Ch 10. *in*: Biology of Sharks and their Relatives. 2nd revised edition. J. Carrier., J.A. Musick, and M. Heithaus eds... .CRC Press, Boca Raton, FL.:

**McGrath,, P.E., E. J. Hilton, and J. A. Musick.** 2012. Seasonal distributions and movements of longnose gar (*Lepisosteus osseus*) within the York River system, Virginia. Southeastern Naturalist .11(3):375-386.

Horodysky, A.Z., R.W.Brill, P.G. Bushnell, J.A. Musick, and R.J. Latour. 2011. Comparative metabolic rates of common western North Atlantic Ocean sciaenid fishes. J.Fish. Biol. 79: 235-2555

Cotton,C.F.,R.D.Grubbs,T.S.Daly-Engle, P.D. Lynch, and J.A. Musick. 2011. Age, growth and reproduction of a common deep-water shark, shortspine spurdog (*Squalus mistukurii*) from Hawaiian waters. Mar. and Freshwater Res. 62:811-822

[Wallace, B.P. AD DiMatteo, BJ Hurley, EM Finkbeiner, AB Bolten, MY Chaloupka, BJ Hutchinson, FA Abreu-Grobois, D Amoroch, KA Bjorndal, J Bourjea, BW Bowen, RB Dueñas, P Casale, BC Choudhury, A Costa, PH Dutton, A Fallabrino, A Girard, M Girondot, MH Godfrey, M Hamann, M López-Mendilaharsu, MA Marcovaldi, JA Mortimer, JA Musick, R Nel, NJ Pilcher, JA Seminoff, S Troëng, B Witherington, and RB Mast. 2010. Regional management units for marine turtles: a novel framework for prioritizing conservation and research across multiple scales .PLOS ONE, 5, e15465, 2010](#)

Bolten, A.B., L. B. Crowder, M. G. Dodd, S. L. MacPherson, J. A. Musick, B. A. Schroeder, B. E. Witherington, K. J. Long, and M. L. Snover. 2010. Quantifying multiple threats to endangered species: an example from loggerhead sea turtles. Frontiers in Ecology and The environment.

- Musick, J.A. and S. Musick. 2010. Sharks (Special Topics C3) *in*: Review of the state of the world marine fishery resources. FAO Fisheries Tech. Paper, 457
- Portnoy, D.S., J.D. McDowell, E.J. Heist, J.A. Musick, and J.E. Graves. 2010. World phylogeography, and male-mediated gene flow in the sandbar shark *Carcharhinus plumbeus*. Mol. Ecol. 10:1994-2050
- Musick, J.A. 2010. Chondrichthyan Reproduction. Ch.1 *in*: Reproduction and phylogeny of Marine Fishes, K. Coles ed. University of Cal. Press
- Romine, J.G., J.A. Musick, and G.H. Burgess. 2009. Demographic analysis of the dusky shark, *Carcharhinus obscurus* in the Northwest Atlantic incorporating hooking mortality estimates, and revised reproductive parameters. Env Biol Fish. 84 (3) 277-289
- Dulvy, N.K. and 14 coauthors. 2008. You can swim but you can't hide: the global status and conservation of oceanic pelagic sharks and rays. Aquatic. Conserv. Mar. Freshw. Ecosyst. DOI: 10.1002/aq.98
- Horodysky, A.Z. R.W. Brill, M. Fine, J.A. Musick, and R. Latour. 2008. Acoustic pressure and particle motion thresholds in six sciaenid fishes. J. Exp. Biol. 211:1604-1611
- Saba, V.S., G.L. Shillinger, A.M. Swithenbank, B.A. Block, J.R. Spotila, J.A. Musick, and F.V. Paladino 2008. An oceanographic context for the foraging ecology of eastern Pacific leatherback turtles: Consequences of ENSO. Deep-sea Research, Part I. 55 (5):646-660
- Portnoy, D., J.R. McDowell, C.T. McCandless, J.A. Musick, and J.E. Graves. 2008. Effective size closely approximates the census size in the heavily exploited western Atlantic population of the sandbar shark, *Carcharhinus plumbeus*. Conserv. Genetics
- Goldman K. and J.A. Musick. 2008. The Biology and Ecology of the Salmon Shark *Lamna ditropis*. Ch8, pp.95-104 *in* Sharks of the Open Ocean, M.D. Camhi, E.K. Pritchard, E.A. Babcock eds., Blackwell Science. Oxford.
- Conrath, C.L. and J.A. Musick. 2007a. Investigations into depth and temperature, habitat utilization, and overwintering grounds of juvenile sandbar sharks, *Carcharhinus plumbeus*. The importance of near shore North Carolina waters. Environmental Biology of Fishes
- Conrath, C.L. and J.A. Musick. 2007b. The sandbar shark summer nursery within bays and lagoons of the Eastern Shore of Virginia. Trans, Amer. Fish. Soc. 136:999-1007
- Grubbs, R.D. and J.A. Musick. 2007. Spatial delineation of summer nursery areas for juvenile sandbar sharks, *Carcharhinus plumbeus*, in the Mid-Atlantic Bight. American Fisheries Society. Symposium 50: 63-86
- Grubbs, R.D. and J.A. Musick C. L. Conrath, and J. G. Romine. 2007. Long-term movements, migration, and temporal delineation of summer nurseries for juvenile *Carcharhinus plumbeus*, in the Chesapeake Bay region. American Fisheries Society. Bethesda, MD. American Fisheries Society Symposium 50:87-108
- Portnoy, D.S., A.N. Piercy, J.A. Musick, G.H. Burgess, and J.E. Graves. 2007. Genetic polyandry, and sexual conflict in the sandbar shark, *Carcharhinus plumbeus*, in the western North Atlantic and Gulf of Mexico. Mol. Ecol. 16:187-197

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- Seney, Erin. And John A. Musick 2007 “Historical Diet Analysis Analysis of Loggerhead Sea Turtles (*Caretta caretta*) in Virginia Copeia
- Gedamke, T., J. M. Hoening, J. A. Musick, W. D. DuPaul, and Samuel H. Gruber. 2007. Using Demographic Models to Determine Intrinsic Rate of Increase and Sustainable Fishing for Elasmobranchs: Pitfalls, Advances and Applications. *N. Am. J. Fish. Manage.* 27:605-618.
- Dowd, W. W., Brill, R.W., Bushnell, P.G., and J. A. Musick 2006. Standard and routine metabolic rates of juvenile sandbar sharks (*Carcharhinus plumbeus*), including the effects of body mass and acute temperature change. 2006. *Fish Bull* 104(3): 323-331
- Ellis J. K., Musick, J. A. .2006. Ontogenetic changes in the diet of the sandbar shark, *Carcharhinus plumbeus*, in lower Chesapeake Bay and Virginia (USA) coastal waters. *Environ. Bio. of Fish* 76(2): 167-176
- Portnoy, D.S., J.R. McDowell, K. Thompson, J.A. Musick, and J.E. Graves. 2006. Isolation and characterization of five dinucleotide microsatellite loci in the sandbar shark, *Carcharhinus plumbeus*. *Mol. Ecol. Notes* 6:431-433
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- Goldman, K.J. and J.A. Musick. 2005. Demographic analysis of sand tiger sharks, *Carcharias taurus*, in the Western North Atlantic, based on new life history parameters. *Trans. American Fisheries Society*.
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- Musick J.A. and J.K. Ellis. 2005. Reproductive Evolution of Chondrichthyes. pp. 45-79. In: *Reproductive Biology and Phylogeny of Chondrichthyes: Sharks, Batoids and Chimaeras*. William C. Hamlett. ed. Science Publishers, Inc. Plymouth, U
- Seney, E.E, and J. A. Musick, (2005) Diet Analysis of Kemp's Ridley Sea Turtles (*Lepidochelys kempii*) in Virginia. *Chelonian Research Foundation*. 2005, 4(4): 864-871.
- Camhi, M., Musick, J. A., and Colin Simpfendorfer. 2005., Dusky Shark, *Carcharhinus obscurus*. pp 297-30 In: Fowler, S.L., M. Camhi, G. Burgess, S. Fordham and J. Musick (eds). *Sharks, rays and chimaeras: the status of the chondrichthian fishes*. IUCN/SSG Shark Specialist Group. IUCN, Gland Switzerland, and Cambridge, UK.
- Musick, J. A. . 2005. Introduction., pp 1-3 In: Fowler, S.L., M. Camhi, G. Burgess, S. Fordham and J. Musick (eds). *Sharks, rays and chimaeras: the status of the chondrichthian fishes*. IUCN/SSG Shark Specialist Group. IUCN, Gland Switzerland, and Cambridge, UK

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- Bowen, B.W., A.L. Bass, S.M. Chow, M. Bostrom, K.A. Bjorndal, A.B. Bolten, T. Okuyama, B.M. Bolker, S. Epperly, E. Casella, D. Shaver, M. Dodd, S.R. Hopkins-Murphy, J.A. Musick, M. Swingle, K. Rankin-Baransky, W. Teas, W.N. Witzell, and P.H. Dutton. 2004. Natal homing in juvenile loggerhead turtles (*Caretta caretta*) *Molecular Ecology* 13: 3797-3808
- Gedamke, T., W.D. DuPaul, and J.A. Musick. 2005. Observations on the life History of the Barndoor Skate, *Dipturus laevis* on Georges Bank (Western North Atlantic). *Northwest Atlantic Fisheries Science*. 35:67-78.
- Goldman, K.J., S.D. Anderson, R.J. Latour, J.A. Musick, 2004, Homeothermy in adult salmon sharks, *Lamna ditropis*, *Environmental Biology of Fishes* 71, 403-411
- Kulka, D.W., J.A. Musick, M.G. Pawson and T.I Walker. 2004. Report of Symposium. Elasmobranch Fisheries: Managing for Sustainable use and Biodiversity Conservation. e-journal Northwest Atlantic Fishery Science. Vol 35: <http://journal.nafo.int/35/35.html>
- Musick, J.A. 2004, Management of Sharks and Their Relatives (Elasmobranchii). Chapter 1 pp.1-8. *In*: Elasmobranch Fisheries Management Techniques. J. Musick and R. Bonfil, Asia Pacific Economic Cooperation. Singapore: 370pp (electronic publication available at <http://www.flmnh.ufl.edu/fish/organizations/ssg/EFMT/1.pdf>)
- Musick, J.A. 2004 Shark Utilization. Chapter 14 pp.223-236. *In*: Elasmobranch Fisheries Management Techniques. J. Musick and R. Bonfil, Asia Pacific Economic Cooperation. Singapore: 370 pp. (electronic publication available at <http://www.flmnh.ufl.edu/fish/organizations/ssg/EFMT/14.pdf>)
- Musick, J.A., M.M. Harbin, L.J.V. Compagno. 2004. Historical Zoogeography of the Selachii Chp.2, pp 33-78. *In*: Biology of Sharks and their relatives. J. Carrier, J.A. Musick. And M. Heithaus, eds. CRC Press
- Musick, J.A. and J.K. Ellis. 2004. Constraints on Sustainable Marine Fisheries: A Look at the Record. pp. 45-66. *In*: Sustainable Management of North American Fisheries. Knudsen, E.E., D.D. MacDonald, and Y.K. Muirhead, eds. American Fisheries Society, Bethesda, MD
- Musick, J.A. 2003. Sea Turtles. *In*: The living marine resources of the Western Central Atlantic. Vol. 3: Bony fishes part 2 (Opistognathidae to Molidae), sea turtles and marine mammals. K.E. Carpenter (ed.) FAO Species Identification Guide for Fishery Purposes and American Society of Ichthyologists and Herpetologists Special Publication No. 5. Rome, FAO. pp. 1426-1468
- Bartol, S.M. and J.A. Musick. 2003. Sensory Biology of Sea Turtles. pp. 79-102 *In*: The Biology of Sea Turtles, Vol. II. P.L. Lutz, J.A. Musick, and J. Wyneken, eds. CRC Press, Boca Raton, FL
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- Morgan, Lee W., J. A. Musick and C.W. Potter. 2002. Temporal and geographic occurrences of cetacean strandings and manatee sightings in Virginia, with notes on adverse human-cetacean interactions, from

1983-1989. Journal of the North Carolina Academy of Science 118:12-26

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- Musick, J.A. 2001. Management Planning for Long-lived Species. Pp. 59-68. *In*: Proceedings of the Regional Meeting: Marine Turtle Conservation in the Wider Caribbean Region; a Dialogue for Effective Regional Management. Eckert, K. and F. A. Abreau Grobois (eds.) Santo Domingo, 16-18 November 1999. Widecast, IUCN-MTSG, WWF, UNEP-CEP. 54pp
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- Coles, W. C. and J. A. Musick. 2001. Skeletochronology validation from a long-term recaptured adult loggerhead (*Caretta caretta*). *Copeia* 1: 240-242
- Teixeira, R. L. and J. A. Musick. 2001. Reproduction and Food Habits of the Lined Seahorse, *Hippocampus erectus* (Teleostei: Syngnathidae) of Chesapeake Bay, Virginia. *Rev. Brasil. Biol.* 61(1): 79-90
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- Musick, J. A. and seventeen co-authors. 2000. Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). *Fisheries* 25 (11):6-30
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- Gelsleichter, J. and J. A. Musick. 1999. Effects of insulin-like growth factor-I, corticosterone, and 3,3',5-Tri-Iodo-L-Thyronine on glycosaminoglycan synthesis in vertebral cartilage of the clearnose skate, *Raja eglanteria*. *Jour. Exp. Zool.* 284:549-556
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- Musick, J. A. 1999. Criteria to Define Extinction Risk in Marine Fishes. *Fisheries* 24(12): 6-13
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#### **Recent scholarly lectures**

Aug. 2012. Invited Symposium Speaker. Bathymetric Limits of Chondrichthyans in the Deep Sea. Vancouver . BS. American Society of Ichs, and Herps.

Nov. 2009. Invited keynote speaker Valencia Aquarium shark lecture series: Of Sharks and Men, a Predatory Tale. Valencia Spain.

Nov. 2009. Invited Keynote Speaker. Annual Meeting of the European Elasmobranch Soc.: Reproductive Evolution in the Chondrichthyes. Mallorca Spain.

July 2008 Montreal Canada, Invited Speaker, Joint Meeting of the American Society of Ichthyologists and Herpetologists and American Elasmobranch Society, "Life in the Slow Lane Revisited: Why Long-lived Fishes are Vulnerable to Extinction."

July. 2007 St. Louis Mo. Keynote Speaker, Joint Meeting of the American Society of Ichthyologists and Herpetologists and American Elasmobranch Society. "The Shark Chronicles" 1961-2007.

Mar. 2005 Hailifax NS. COSWIC meeting- The AFS Criteria for Endangered Marine Fishes. The IUCN Shark Specialist Group.

Mar. 2005. Virginia Tech. Shark Ecology and Conservation.

July 2005 Duke University Marine Lab. Visiting Scholar Seminar Series. Endangered Marine Fishes of North America

July 2005 Duke University Marine Lab. Visiting Scholar Seminar Series. Sustainability and Elasmobranch Fisheries: An Oxymoron?

Sept. 2005 Co-chair, Symposium on Biology of Elasmobranchs in the North Pacific, AFS meeting Anchorage Alaska.

Sept. 2005. AFS meeting Zoogeography of Elasmobranchs in the North Pacific Ocean.

Oct. 2005. Ecology and Movements of Sharks; Williamsburg Rotary Club.

Jan 2003 Washington, DC., Explorers's Club. Shark Ecology and Conservation.

Mar 2004 Jackson State University. Jackson Miss. Shark Ecology.

May 2004 American Society of Ichthyologists and Herpetologists/American Elasmobranch Society Joint Annual Meeting Norman Oklahoma . Evolution of Reproductive Modes the Chondrichthians. (Presented in absentia by T. Munroe due to health problems)

Jun 2004 Sarasota Florida: Mote Laboratory. Regional Workshop for IUCN Shark Specialist's group. Chair and Speaker. Criteria for Assessing Extinction Risk in Chondrichthians.

Nov 2004 Williamsburg, VA. Kimball Theater Public lecture (for Maritime Museum). Shark Attack (Scientific comments on the film "Open Water").

### **Selected other unrefereed publications**

Musick, J.A. 2001. Shark Attack in Virginia: A Report to the Governor's Task Force. VA Marine Resource Report No. 2001-14.

Musick, J. A. 1995. Critically endangered large coastal sharks, a case study: the sandbar shark, *Carcharhinus plumbeus*. Shark News, Newsletter of the IUCN Shark Specialist Group, October 1995:6-7.

Terwilliger, K. and J. A. Musick (Co-chairs), Virginia Sea Turtle and Marine Mammal Conservation Team. 1995. Management plan for sea turtles and marine mammals in Virginia. Final report



to the National Oceanic and Atmospheric Administration. 56 pp.

Educational Series:

Bushnoe, T.M., J.A. Musick, and D.S. Ha. 2005. Essential Spawning and Nursery Habitat of Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) in Virginia. VIMS Special Scientific Report #145:44pp.

Musick, J. A. 1988. The Sea Turtles of Virginia with Notes on Identification and Natural History. VA Inst. Mar. Sci., Educational Series 24, 22 pp, Gloucester Pt., VA.

Musick, J. A. 1979. The Marine Turtles of Virginia, (Families Cheloniidae and Dermochelyidae) with Notes on Identification and Natural History. VA Inst. Mar. Sci., Educational Series 24, 16 pp, Gloucester Pt., VA.

Special Reports in Applied Marine Science and Ocean Engineering (SRAMSOE):

Raschi, W. G. and J. A. Musick. 1984. Hydrodynamic aspects of shark scales. VA Inst. Mar. Sci., SRAMSOE 272: 82pp.

Colvocoresses, J. A. and J. A. Musick. 1980. A preliminary evaluation of the potential for a shark fishery in Virginia. VA Inst. Mar. Sci., SRAMSOE 234: 39 pp.

Colvocoresses, J. A. and J. A. Musick. 1979. Historical community structure of finfishes. Chap. 10, Sec. II: NMFS Groundfish Survey. VA Inst. Mar. Sci., SRAMSOE 198:10-45 to 10-78.

Foell, E. J. and J. A. Musick. 1979. Community structure analysis and food habits of fishes. Sec. II: community structure analysis of fishes. VA Inst. Mar. Sci., SRAMSOE 179:9-81 to 9-127.

Musick, J. A. 1979. Historical community structure analysis of finfishes. Sec. III: a summary of the Mid-Atlantic outer continental shelf -- A concise source document for resource managers and users. VA Inst. Mar. Sci., SRAMSOE 198:10-79 to 10-88.

Musick, J. A., J. A. Colvocoresses and E. J. Foell. 1979. Historical community structure analysis of finfishes. Chap. 10, Sec. I: Chesapeake Bight. VA Inst. Mar. Sci., SRAMSOE 198:10-1-10-44.

Sedberry, G. R. and J. A. Musick. 1979. Community structure analysis and food habits of fishes. Sec. I: food habits of fishes. VA Inst. Mar. Sci., SRAMSOE 197:9-1 to 9-80.

Numerous other research reports from grant or contract work.

## PROFESSIONAL SERVICE

### College Committee Service

Faculty Council, 1992-2007

Educational Policy Committee, 2000-2007

Chair, Search Committee for Eminent Scholar and Chancellor Professor, 2000

Director's special Ad Hoc Committee to review ethical misconduct of faculty members, 1999

VIMS Five-year Review Committee on the Core Programs, 1999

VIMS Five-year Review Committee on Advisory Services, 1999

VIMS Five-year Review Retreat: Fisheries Science Department Representative (Chaired two working groups), 1999

Search Committee for Director of Planning and Budget, 1996

Fisheries Science Building Committee, 1995-1996

Admissions Committee, 1994-1995  
Nunnally Hall Building Committee, 1993-1994  
Comprehensive Examining Committee, 1990-91  
Academic Advisory Committee, 1990  
Chairman, William and Mary Self Study Committee for Graduate Studies, 1984  
Visiting Scientist Committee, 1985-93  
Faculty Advisory Committee, 1981-92  
Academic Status and Degrees, 1981-84

Service to agencies of the Commonwealth or the Federal Government and International Agencies

June 2006-present; US Joint Oceans Commission: Scientific Advisor

Jan 2006-present ; Vice-chair for Science, International Union for the Conservation of Nature (IUCN),  
Species Survival Commission, Shark Specialist Group.

2004 - 2007 Atlantic States Marine Fisheries Commission ( ASMFC). Endangered Species Comm.

Jan 2002 - 2008 - NMFS/USFWS Recovery Team for Loggerhead Sea Turtles

April 1999-2008; ASMFC Scientific Technical Committee for Shark Management (Chair)

April 1999-present;ASMFC Scientific Technical Committee for Spiny Dogfish Management

Jan 1997-2007; Mid-Atlantic Fisheries Management Council (MAFMC)Scientific Advisory Committee for  
Summer Flounder, Scup and Black Sea Bass.

Dec 1997-present; MAFMC Spiny Dogfish Advisory Committee.

June 1997-Dec 2005; Co-chair, International Union for the Conservation of Nature (IUCN), Species  
Survival Commission, Shark Specialist Group.

June 1997-2007; Virginia State Coordinator for Essential Fish Habitat Issues (VMRC, NMFS, MAFMC).

July 1996-present; ASMFC Sturgeon Technical Committee

Jan 1996-present; Member of Virginia Game and Inland Fisheries Reptile and Amphibian Endangered  
Species Committee

Jan. 1996-present; Member of VIGIF Endangered Fishes Committee

Jan. 1995-present; USFWS Atlantic Sturgeon Advisory Committee for Chesapeake Bay

Jan. 1995-2003; USFWS Scientific Advisory Committee for the Shortnose  
Sturgeon Recovery Plan

May 1994-2007; NOAA/NMFS. Select Scientific Advisory Panel for Shark Management

June 1990-present; International Union for the Conservation of Nature (IUCN), Species Survival  
Commission, Marine Turtle Specialist Group, member. Red List Assessment Committee  
(2006-present)

September 1987-present; Ad-hoc advisor to Virginia Marine Resources Commission on Marine Fisheries  
Management

October 1986-1993; Mid-Atlantic Fisheries Management Council Scientific Advisory Committee for Shark Management

May 1979-2007; National Marine Fisheries Service Sea Turtle Stranding Network, Regional Coordinator for Virginia

Sep 2001- Jan 2002 - Governor's Task Force on Shark Attack

June 2000- 2001; NMFS Review Panel for proposed Endangered status of smalltooth sawfish.

Apr 2001- NOAA/NMFS. Annual Review Panel (reviewed programs and budgets for 2002-2007)

Mar 2000- NOAA/NMFS. Annual Review Panel (reviewed programs and budgets for 2001-2005)

June 1997; International Union for the Conservation of Nature (IUCN), Delegate, Convention on International Trade to Endangered Species (CITES), Harare, Zimbabwe

July 1996-1997; ASMFC Science and Management Committee

September 1991-1996; International Union for the Conservation of Nature (IUCN), Species Survival Commission, Shark Specialist Group, member

June 1991-1996; Mid-Atlantic Fisheries Management Council Scientific Advisory Committee for Scup and Black Sea bass.

May 1989-1994; Coelacanth Conservation Council, Board of Directors. (Successfully petitioned CITES to list *Latimeria chalumnae* under Appendix 1.)

December 1988-1992; Chesapeake Bay Stock Assessment Committee. Technical Representative for Virginia

June 1987-1992; NMFS Marine Mammal Stranding Coordinator for Virginia.

January-December 1980; Office of Naval Research. Select panel for determining vessel requirements for nekton sampling in the 1980's

September 1979-1980; National Science Foundation. Review Panel for Oceanographic Facilities Support

April 1979-1988; Chairman, ASMFC State/Federal Scientific and Statistics Committee on Summer Flounder

August 1977-1978; National Science Foundation. Review Panel for Oceanographic Facilities Support

January 1977-January 1978; National Science Foundation, Proposal Review Panel for Biological Oceanography

June 1976-1993; Smithsonian Sorting Center Committee on Fishes

January 1976-February 1977; National Science Foundation ad hoc committee for design of coastal research vessels

### **Service to Private Organizations**

Numerous talks to recreational fishing associations, Audubon Society, Center for Marine Conservation, The Nature Conservancy

### **Service to Professional Organizations**

American Fisheries Society; member 1961-present; Endangered Species Committee, 1994-2002; Chair, Endangered Marine Fishes Committee, 1996-2007. President, Tidewater Chapter, 2008

American Association for the Advancement of Science; member 1967-present; Elected Fellow, 1985.

American Elasmobranch Society; Board of Directors, 2000-2005, 1985-1996; President-elect, 1990; President, 1991; Annual Meeting Chair, 1992; Chair, Conservation Committee, 1994-present.

American Society of Ichthyologists and Herpetologists; member 1962-present, Annual Meeting Chair, 1975; Board of Governors, 1975-76; Endangered Species Committee, 1994-present.

Atlantic Estuarine Research Society; member 1968-2007

Ecological Society of America; member 1967-present.

Fifth International Fisheries Congress, Editorial Board: 2004-2005.

International Sea Turtle Society; Board of Directors, Feb 1991-2000; President-elect, Feb 1993-94; President, Feb 1994-95; Annual Meeting Chair, 1995

Reviews in Fish Biology and Fisheries; Editorial Board, 1999-2007

Society for Conservation Biology; member 1987-present

Southeastern Fishes Council; member 1975-2005

### **Recent Consultancies**

Recent consultancies have included analyses of sea turtle/ long-line interactions in the Canadian and US Atlantic swordfish and tuna long-line fisheries, certification assessments for various fisheries for the Marine Stewardship Council, assessment of species recovery plans for the Australian Fisheries Authority, fishery status reviews for FAO,, and oil spill impact reviews for NOAA.