

William F. Smith-Vaniz

Research Marine Biologist

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EDUCATION/TRAINING

1975 Ph.D., Marine Sciences, University of Miami, Miami, FL

1966 M.S., Fisheries Biology, Auburn University, Auburn, AL

1963 B.S., Zoology, Delta State College, Cleveland, MS

PROFESSIONAL INTERESTS

Conservation Biology of Aquatic Organisms; Ecology, Systematics and Zoogeography of Marine Fishes (Worldwide) and Freshwater Fishes of the United States; History of ichthyology.

PROFESSIONAL EXPERIENCE

1997 - present **Research Marine Biologist**, U.S. Geological Survey (BRD), Florida Caribbean Science Center, Gainesville, FL

1992-1997 **Fishery Biologist**, U.S. Fish & Wildlife Service/National Biological Survey, Gainesville, FL

1972-1991 **Predoctoral Fellow, Assistant Curator, Associate Curator, Acting Chairman, Chairman; also Editor of Scientific Publications (1989-91)** Academy of Natural Sciences of Philadelphia (Dept. of Ichthyology).

1965-1967 **Museum Technician**, Smithsonian Institution, Division of Fishes.

PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

Member: American Society of Ichthyologists and Herpetologists (also former Board of Governors, Editorial Board, and various society committees), Biological Society of Washington; Ichthyological Society of Japan; Southeastern Fishes Council Advisory Committee **Member:** American Fisheries Society Committee on Names of Fishes Editorial Board, INDO-PACIFIC FISHES (1983-present); also Reviewer for many manuscripts submitted to professional journals, and for grant proposals.

HONORS AND AWARDS

Australian Museum Visiting Scientist Fellowship, Australian Museum, Sydney (1984); Invited Schlesinger Fellow, J.L.B. Smith Institute of Ichthyology, Rhodes University, Grahamstown, South Africa (1980); Graduate Student Fellowship, Smithsonian Institution, (Summer, 1968).

ACADEMIC AFFILIATIONS

Research Associate, Department of Vertebrate Zoology, Smithsonian Institution (1980-present)
Florida Museum of Natural History, Courtesy Curator in Ichthyology (1992-present).
University of Florida, Dept. of Fisheries and Aquatic Sciences (currently serving on one **Ph. D.** Committee).

CONTRACTS AND GRANTS

NSF four grants: PI (1976-79; 1979-80; 1983-86), Co-PI (1986-1991); PI on separate grants: Tai Ping Foundation (1971-1972), FAO (1984), Smithsonian Institution, Leonard P. Schultz Fund (1984); Sigma Xi (1969). Consultant FAO (1977, 1978, 1980).

SELECTED PUBLICATIONS

To date, 74 publications including 2 books, 65 scientific articles, and 7 invited book reviews. In addition, many abstracts in scientific meetings and symposia proceedings. Examples below represent a diversity of research topics.

Smith-Vaniz, W.F. 2000. Family Carangidae. Pages 2659-2756 *in* K. Carpenter (ed.) FAO species identification sheets for fishery purposes: Western Central Pacific, Vol. 3, Food and Agricultural Organization of the United Nations, Rome.

Smith-Vaniz, W.F. 2000. Family Cepolidae. Pages 3329-3330 *in* K. Carpenter (ed.) FAO species identification sheets for fishery purposes: Western Central Pacific, Vol. 4, Food and Agricultural Organization of the United Nations, Rome.

Smith-Vaniz, W. F., B. B. Collette and B. E. Luckhurst. 1999. Fishes of Bermuda: history, zoogeography, annotated checklist, and identification keys. Amer. Soc. Ichthyol. and Herp., Spec. Publ. 4, Lawrence, KS.: 424 pp.

Eschmeyer, W. N., B. Weibrecht and **W. F. Smith-Vaniz.** 1998. Appendix B. Opinions and other actions of the International Commission involving fishes. Pages 2883-2905 *in* Eschmeyer, W. N. (ed.) Catalog of Fishes., California Academy of Sciences, 2905 pp.

Smith-Vaniz, W. F. and R. M. Peck. 1997. Contributions of Henry Weed Fowler (1878-1965), with a brief early history of ichthyology at the Academy of Natural Sciences of Philadelphia. Pages 377-389 *in* Pietsch, T. W. and W. D. Anderson (eds.). Collection building in ichthyology and herpetology. Amer. Soc. Ichthyol. and Herp., Spec. Publ. 3.

Smith-Vaniz, W. F. 1997. Five new species of western Atlantic jawfishes (Opistognathus: Opistognathidae). Bull. Mar. Sci. 30 (3): 1074-1128.

Smith-Vaniz, W. F., J. A. Bohnsack and J. D. Williams. 1995. Reef fishes of the Florida Keys Pages 179, 281-284 *in* LaRoe, E.T., G.S. Farris, C.E. Puckett, P.D. Doran, and M.J. Mac, eds. Our Living Resources 1994: a report to the nation on the distribution, abundance, and health of U.S. plants, animals, and ecosystems. National Biological Service, Washington, D.C.

Smith-Vaniz, W. F., L. S. Kaufman and J. Glowacki. 1995. Species-specific patterns of hyperostosis in marine teleost fishes. Mar. Biol. 121: 573-580.