

Walter R. Courtenay, Jr.
Research Fishery Biologist



USGS – Center for Aquatic Resource Studies
7920 NW 71st Street
Gainesville, Florida 32653-3071
Phone: (352)264-3519
Fax: (352)378-4956
E-mail: walter_courtenay@usgs.gov.

EDUCATION

- 1965 Ph.D., Marine Sciences, University of Miami, Coral Gables, FL. Dissertation title: Atlantic fishes of the genus *Rypticus* (Grammistidae): systematics and osteology.
- 1960 M.S., Marine Biology, University of Miami, Coral Gables, FL. Thesis title: Western Atlantic fishes of the genus *Haemulon* (Pomadasyidae): systematics and juvenile pigmentation.
- 1956 B.A., Biology, Vanderbilt University, Nashville, TN.

AREAS OF SPECIALIZATION

Biology, ecology, and conservation of inshore marine and freshwater ecosystems; Ichthyology; Biology of introduced nonindigenous fishes.

PROFESSIONAL EXPERIENCE

- 1967 – present **Professor Emeritus of Zoology**, Department of Biological Sciences, Florida Atlantic University, Boca Raton, FL. **Professor** (1972-1999), **Associate Professor** (1970-1972), **Assistant Professor** (1967-1972); **Chair** (1976-1979, 1982-1985, **Assistant Chair** (1997-1999).
- 1965-1968 **Associate in Ichthyology**, Museum of Comparative Zoology, Harvard University, Cambridge, MA.
- 1965-1967 **Assistant Professor**, Department of Biology, Boston University, Boston, MA.
- 1963-1965 **Visiting Assistant Professor** (1964-1965), **Temporary Instructor** (1963-1964), Department of Zoology, Duke University, Durham, NC.

Previous positions: Systematic Zoologist (Fishes), Ichthyological Laboratory, U.S. Bureau of Commercial Fisheries, U.S. National Museum, Washington, DC, Summer 1963. Graduate Assistant/Research Aide: Institute of Marine Sciences, University of Miami, 1957-1963.

OUTSIDE PROFESSIONAL ACTIVITIES

American Fisheries Society – **Member** (1965-present); Board of Professional Certification **Member** (1970-1973); Exotic Fishes Committee **Chair** (1973-1974) and **Member** (1971-1980); Introduced Fish Section **President** (1981-1982) and **Member** (1980-present); Endangered Species Committee **Member** (1978-1980). *American Institute of Fishery Research Biologists* – **Fellow Emeritus** (2000-present), **Fellow** (1974-1999) and **Member** (1972-1974); **Membership Chair**, Florida Division (1973-1977). *American Society of Ichthyologists and Herpetologists* – **Member** (1957-present); Environmental Quality Committee **Chair** (1975-1980, 1981-1995) and **Member** (1975-present); Board of Governors **Member** (1970-1975, 1979-1989). *Desert Fishes Council* **Member** (1981-present) and Resolutions Committee **Chair** (1991-present). *Society for Conservation Biology* **Member** (1991-present).

HONORS AND AWARDS

Distinguished Teacher Award (College of Science, 1996-1997), **Professorial Excellence Award** (1996), **Teaching Incentive Program Award for Excellence in Undergraduate Teaching** (1995), **University Research Award** (1992), **Sigma Xi Researcher of the Year Award** (1989), **Distinguished Teacher Award** (university, 1972-1973, Florida Atlantic University. **Maytag Distinguished Visiting Professor**, Arizona State University (1986-1987).

CONTRACTS AND GRANTS

Served as Principal Investigator and Co-PI on grants or contracts from federal (NSF, EPA, COE, Sea Grant, FWS) and state (FL-GFC and DNR, SFWMD) agencies.

CONSULTANTSHIPS

Served as consultant to FAO (Budapest and Rome), CSIR (Pretoria, South Africa) and South Australia Department of Fisheries. Served as Collaborator with NPS (Southeast Region) and Contractor for OTA on introduced fishes.

PUBLICATIONS

Books:

Courtenay, W.R., Jr. and J.R. Stauffer, Jr. (eds). 1984. Distribution, Biology, and Management of Exotic Fishes. Johns Hopkins University Press, Baltimore, MD. 430 pp.

Research Publications: More than 75 publications including book chapters, journal articles, and symposium proceedings, most dealing with introduced nonindigenous fishes. Examples below represent topics covered.

Courtenay, W.R., Jr., J.D. Williams, R. Britz, M.N. Yamanoto, and P.V. Loiselle. 2004. Identity of introduced snakeheads (Pisces, Channidae) in Hawai'i and Madagascar, with comments on ecological concerns. Bishop Mus. Occ. Pap. 77:1-13. [<website>](#)

Courtenay, W.R., Jr., and J.D. Williams. 2004. Snakeheads (Pisces, Channidae), a biological synopsis and risk assessment. USGS Circular 1251. 143 pp. [<website>](#)

Whitfield, P., T. Gardner, S.P. Vives, M.R. Gilligan, **W.R. Courtenay, Jr.**, G.C. Ray, and J.A. Hare. 2002. Biological invasion of the Indo-Pacific lionfish (*Pterois volitans*) along the Atlantic coast of North America. Mar. Ecol. Progr. Ser. 235: 289-297.

Howells, R.G., J.D. Williams, and **W.R. Courtenay, Jr.** 2002. Snakeheads represent increasing threat to U.S. waters. ANS Digest 4(4):37, 40-41.

Courtenay, W.R., Jr. 1997. Tilapias as non-indigenous species in the Americas: Environmental, regulatory and legal issues. Pages 18-33 in Tilapia Aquaculture in the Americas, Vol. 1., ed. by B.A. Costa-Pierce and J.E. Rakocy. World Aquaculture Society, Baton Rouge, LA.

Courtenay, W.R., Jr. 1997. Non-indigenous fishes in Florida. Pages 109-122 in Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida, ed. by D. Simberloff, D.C. Schmitz, and T. Brown. Island Press, Washington, DC.

Courtenay, W.R., Jr., and P.B. Moyle. 1996. Biodiversity, fishes, and the introduction paradigm. Pages 239-252 in Biodiversity in Managed Landscapes, ed. by R.C. Szaro and D.W. Johnson. Oxford University Press, New York, NY.

Courtenay, W.R., Jr. 1995. The case for caution with fish introductions. Pages 413-424 in Uses and Effects of Cultured Fishes in Aquatic Ecosystems, ed. by H.L. Schramm and R.G. Piper. American Fisheries Society Symposium 15. American Fisheries Society, Bethesda, MD.

Courtenay, W.R., Jr. 1993. Biological pollution through fish introductions. Pages 35-61 in Biological Pollution: The Control and Impact of Invasive Exotic Species, ed. by B.N. McKnight. Indiana Academy of Science, Indianapolis, IN.

Courtenay, W.R., Jr., and J.D. Williams. 1992. Dispersal of exotic species from aquaculture sources, with emphasis on freshwater fishes. Pages 40-81 in Dispersal of Living Organisms into Aquatic Ecosystems, ed. by A. Rosenfield and R. Mann. Maryland Sea Grant Program, College Park, MD.

Courtenay, W.R., Jr. and C.R. Robins. 1989. Fish introductions: Good management, bad management, or no management? Rev. Aquat. Sci. 1(1):159-172.

Courtenay, W.R., Jr., and C.C. Kohler. 1986. The role of exotic fishes in North American fisheries management. Pages 401-413 in Fish Culture in Fisheries Management, ed. by R.H. Stroud. American Fisheries Society, Bethesda, MD.

Courtenay, W.R., Jr. 1979. The introduction of exotic organisms. Pages 237-252 in Wildlife and America: Contributions of an Understanding of American Wildlife and its Conservation, ed. by H.P. Brokaw. Council on Environmental Quality. Government Printing Office, Washington, DC.

Courtenay, W.R., Jr., H.F. Sahlman, W.W. Miley II, and D.J. Herrema. 1974. Exotic fishes in fresh and brackish waters of Florida. Biol. Conserv. 6(4):292-302.

Lachner, E.A., C.R. Robins, and **W.R. Courtenay, Jr.** 1970. Exotic fishes and other aquatic organisms introduced into North America. Smithsonian Stud. Zool. 59:1-29.