James Chase Tyler II

Date and Place of Birth

31 March 1935, Shanghai, China (son of a Marine Corps officer on duty there).

Nationality

U.S.A. (by birth to U.S. citizens abroad).

Degrees

B.S., George Washington University, 1957 (Phi Beta Kappa).
Ph.D., Stanford University, 1962.

Positions

Senior Scientist, National Museum of Natural History, Smithsonian Institution, Washington, DC, May 1991- present.

Deputy Director, National Museum of Natural History, Smithsonian Institution, Washington, DC, November 1987-April 1991 (Acting Director, January 1988-January 1989).

Acting Director, National Air and Space Museum, Smithsonian Institution, Washington, DC, August 1986-July 1987.

Associate Director, National Museum of Natural History, Smithsonian Institution, Washington, DC, March 1985-August 1986; August-October 1987. (Acting Director, July 1985-May 1986).

Program Director, Biological Research Resources Program, National Science Foundation, Washington, DC, 1980-1985.

Manager, Endangered Species Program, Office of Marine Mammals and Endangered Species, National Marine Fisheries Service, Washington, DC, 1978-1980.

Manager, Atlantic Bluefin Tuna Program, Southeast Fisheries Center, National Marine Fisheries Service, Miami, Florida, 1976-1978.

Endangered Species Research Coordinator, Office of Resource Research, National Marine Fisheries Service, Washington, DC, 1975-1976.

Director, 1973-1975, Assistant Director, 1972-1973, Lerner Marine Laboratory of the American Museum of Natural History, Bimini, Bahamas.

Associate Curator, 1966-1972, Assistant Curator, 1962-1966, of Ichthyology and Herpetology, Academy of Natural Sciences of Philadelphia.

Acting Instructor, 1961, Teaching Assistant, 1957-1961, Stanford University.

Fishery Aid, Ichthyological Laboratory, U.S. Fish and Wildlife Service, U.S. National Museum, Washington, DC, 1956-1957.

Laboratory Teaching Assistant, George Washington University, 1956-1957.

Library Aide, Washington, DC, Public Library System, 1954-1956.

Awards

Phi Beta Kappa (George Washington University, elected 1957).

Secretary of Defense Medal for Antarctic Service (received 1960).

Sigma Xi (Stanford University, elected 1960).

National Science Foundation Summer Fellowship (Stanford University, 1961).

Abraham Rosenberg Fellowship (Stanford University, 1961-1962).

University Fellowship (Stanford University, 1961-1962).

Fellow, American Society of Fishery Research Biologists (elected 1974).

Certification as Fisheries Scientist, American Fisheries Society (1976).

Special Achievement Award, National Marine Fisheries Service (1977).

Research Associate, Department of Ichthyology, American Museum of Natural History (appointed 1977).

Research Associate, Department of Vertebrate Zoology, Division of Fishes, National Museum of Natural History, Smithsonian Institution (appointed 1980).

Excellent Performance Award, National Science Foundation (1984).

Award for Service, Association of Systematics Collections, in Recognition of Outstanding Contributions to the Systematic Biology Community (1985).

James E. Webb Fellowship of the Smithsonian Institution, for the Museum Management Institute, University of California, Berkeley (1986).

Exceptional Service Certificate of Award, National Museum of Natural History, Smithsonian Institution (1986; 1988).

Secretary's Gold Medal for Exceptional Service, Smithsonian Institution (1987).

Gibbs Award of the American Society of Ichthyologists and Herpetologists, "for an outstanding body of published work in systematic ichthyology" (2000).

Memberships

American Society of Ichthyologists and Herpetologists (three times elected to five year terms on the Board of Governors).

Biological Society of Washington (Councilor 1982-1983).

American Association for Zoological Nomenclature (Councilor 1986-1988).

Cosmos Club, elected 1986 (inactive status 1988)

Washington Biologists Field Club (Board of Managers, 1994-1995, 1999-2000, 2003-2004).

Grants

National Science Foundation Grant GB-1248, July 1963-July 1966, "Monograph on the fishes of the Superfamily Triacanthoidea (Order Plectognathi)," $21,000.

Koven Brothers Foundation, May 1965, private grant for a "Reef fish collecting expedition throughout the Lesser Antilles," $12,000.

National Science Foundation Grant GB-5102, July 1966-July 1967, "Completion of a monograph on the fishes of the Superfamily Triacanthoidea," $10,000.

National Science Foundation Grant GB-6859X, August 1967-August 1969, "A monograph on the osteology, phylogeny and higher classification of the fishes of the Order Plectognathi," $39,000.

Kauffman-Wolf Association, June 1968, private grant for a "Magnetometer search for the cannons jettisoned by Captain James Cook in 1770 off Queensland, Australia, combined with reef fish ecological studies and collecting in the northern portion of the Great Barrier Reef," $90,000.

National Science Foundation Grant GB-16190, January 1970-January 1972, "Completion of a monograph on the osteology, phylogeny and higher classification of the fishes of the Order Plectognathi," $36,000.

American Philosophical Society, Penrose Fund Grant 6719, August 1973, "Reexamination of a coral reef community," $1,000.

National Research Council, Office of International Affairs, COBASE Grant 642004, April 1997, "Oligocene fishes of Romania", $2,200.

Various grants from the Manned Undersea Science and Technology Office of the National Oceanic and Atmospheric Administration (Office of Undersea Research) to use the Hydrolab facility in St. Croix, U.S. Virgin Islands, in 1978 and 1984-1985, of unspecified total funding when habitat usage costs are included, to C. Lavett Smith and J.C. Tyler (Co-Principal Investigators), for studies of larval fish recruitment processes as determining factors in the patterns of coral reef fish communities.

Various grants annually from the Smithsonian Institution competitive awards programs from 1985 to the present for use of the Johnson Sea-Link out of the Smithsonian Marine Station at Ft. Pierce, Florida, and of the facilities of the Caribbean Coral Reef Ecosystems marine station at Carrie Bow Cay, Belize.

Expeditionary Field Work

Gulf of Mexico from Mississippi to Florida, general biologist aboard the U.S. Fish and Wildlife Service vessel Silver Bay, June-July 1957, exploratory bottom trawling for shrimps and fishes.

Antarctic from the Weddell Sea around the Horn several times to the Bellingshausen Sea and Palmer Peninsula, general biologist and oceanographer aboard the International Geophysical Year vessel Edisto, October 1958-April 1959, exploratory bottom trawling for all organisms.

Rio Iguacu, Parana, Brazil, July 1961, freshwater fish collecting of the highly endemic and poorly known fishes above the 200 feet high vertical Foz de Iguacu.

Bay of Bengal and Andaman Sea from Bombay, India, to Ceylon and to Thailand and Burma, and along the north and east coasts of India, ichthyologist aboard the International Indian Ocean Expedition vessel Anton Bruun, January-April 1963, exploratory bottom trawling for all organisms.

Seychelles Islands in the western Indian ocean, January-April 1964, reef fish collecting with scuba.

Grand Cayman Island, south of Cuba, October 1964, reef fish collecting with scuba.

Lesser Antilles from Grenada in the south to Anguilla, St. Martin and St. Barthelemy in the north, June-July 1965, organizer and leader of the Koven Expedition, reef fish collecting with scuba.

Puerto Rico, June 1967, study of diurnal and hormonally induced color pattern changes in puffer fishes at the Marine Laboratory of the University of Puerto Rico at La Parguera, with collecting excursions to nearby waters.

Haiti, November 1967, leader of an expedition for reef fish collecting with scuba.

Bahama Out Islands from Bimini and New Providence in the north to Great Inagua in the south, aboard the Lerner Marine Laboratory vessel Oliver, January 1968, reef fish collecting with scuba.

Old Providence Island off Nicaragua, August of 1968 and of 1969, scientific seminar leader of two summer sessions of "Adventures in Marine Biology," reef fish collecting with scuba and instruction in marine biology for undergraduate students.

Great Barrier Reef, January 1969, organizer of expedition combining magnetometer search for, and recovery of, cannons jettisoned by Captain James Cook in 1770 with reef fish ecological studies and collecting with scuba in the region of the reef off northern Queensland.

Tektite II, Virgin Islands, September-October 1970, reef fish ecological studies under saturation rebreather diving conditions from an underwater habitat for 17 days.

FLARE (Florida Aquanauts Research Expeditions), Florida Keys, April 1972, reef fish ecological studies under saturation open circuit diving conditions from an underwater habitat for three days.

Virgin Islands, October 1973, reef fish ecological studies at the original Tektite II site from three years previously, with conventional scuba diving.

Virgin Islands, October 1978, reef fish ecological studies under saturation open circuit diving conditions from an underwater habitat (Hydrolab) for four days.

Virgin Islands, March, April and May 1984, reef fish larval ecology studies at the Hydrolab site, first (March) for seven days with conventional scuba diving and then (April-May) under saturation open circuit diving conditions from the underwater habitat (Hydrolab) for eight days.

Virgin Islands, March and May 1985, continuation of reef fish larval ecology studies at the Hydrolab site, with both conventional and saturation diving techniques.

Bahamas, November 1985, deep reef larval fish collecting and assessment using the Johnson Sea-Link submersible to depths of 2,500 feet.

Belize, Carrie Bow Cay, March 1986, continuation of reef fish larval ecology studies, with conventional scuba diving.

Bahamas, September 1986, demonstration shallow-water dives in the Deep Ocean Engineering one person submersible Deep Rover.

Belize, Carrie Bow Cay, March l987, continuation of reef fish larval ecology studies, with conventional scuba diving.

Virgin Islands, August l987, continuation of reef fish larval ecology studies, with conventional scuba diving around the former Hydrolab site.

Barbados and Grenada, May 1989, deep reef fish collecting and observations using the Johnson Sea-Link submersible to depths of 2,500 feet.

Galapagos Islands, August 1989, research on the behavioral ecology of garden eels, with conventional scuba diving.

Tahiti, February 1990, research on the behavioral ecology of garden eels, with conventional scuba diving.

Philippines and Indonesia, April 1990, research on the behavioral ecology of garden eels, with conventional scuba diving.

Venezuela and Margarita Island, August 1990, research on the ecology of in-shore fishes, snorkeling.

India, May 1991, research on fossil fishes in New Delhi, Calcutta, Lucknow, and Chandigarh, with associated excavations at selected Eocene sites.

Bermuda, September 1992, 1993, and 1994, research on the behavioral ecology of garden eels with conventional scuba diving and on presettlement stages of squirrelfishes by night-lighting.

India, November 1997, research on fossil fishes at Panjab University at Chandigarh, and two weeks of excavations for Eocene fossils in Fullers Earth near Barmer in the desert of Rajastan.

Dominican Republic, February 1998, research on behavioral ecology of chaenopsids, conventional scuba diving

Belize, Carrie Bow Cay, June and November 1988, April and November 1989, September 1990, March 1991, 1992, 1993, 1994, 1995, 1996, and 1997, June 1999, January 2000, March 2001, March 2002, June 2003, March 2004, April 2005, 2006, research on the behavioral ecology of chaenopsid blennies, garden eels, etc., and the fishes of the Pelican Cays, with conventional scuba diving.

List of taxa named in honor of James C. Tyler

New Species:

Sphoeroides tyleri Shipp 1974 (a puffer fish)
Canthigaster tyleri Allen and Randall 1977 (a sharpnose puffer fish, Tetraodontidae)
Polyplacapros tyleri Fujii and Uyeno 1979 (a box fish, Aracanidae)
†*Aulostomoides tyleri* Blot 1980 (an Eocene trumpet fish, Aulostomidae)
†*Sphoeroides jamestyleri* Bannikov 1990 (a Miocene puffer fish, Tetraodontidae)
†*Zenopsis tyleri* Baciu and Bannikov 2001 (an Oligocene buckler-dory fish, Zeidae)
Canthigaster jamestyleri Moura and Castro 2002 (a sharpnose puffer fish, Tetraodontidae)
†"genus Zeiformorum" *tyleri* Nolf 2003 (an Upper Cretaceous dory fish, Zeiformes)
Ogilbia tyleri Moller, Schwarzhans, and Nielsen 2005 (a brotula cusk-eel, Bythidae)
†*Apuliadercetis tyleri* Taverne 2006 (an Upper Cretaceous aulopiform fish, Dercetidae)

New Genera:

†*Tylerichthys* Blot 1980 (an Eocene surgeon fish, Acanthuridae)
Tylerius Hardy 1984 (a puffer fish, Tetraodontidae)
†*Tyleria* Parin 1993 (an Eocene trumpet fish, Aulostomidae)
†*Jimtylerius* Bannikov and Carnevale 2006 (an Eocene perch, Percoidei)

Publications

1959Two new flatfishes of the genus Ancylopsetta from the Guiana coast. Copeia, 1959(2):130-148, 3 figs.

1960a Erythrocytes and hemoglobin in the crabeater seal. Jour. Mammalogy, 41(4):527-528.

1960b Note on the flatfishes of the genus Poecilopsetta occurring in Atlantic waters. Stanford Ichthyological Bull., 7(4):126-131.

1960c Fishes of the Stanford Antarctic Biological Research Program, 1958-59. Ibid., 162-199, 6 figs. (H.H. DeWitt and J.C. Tyler)

1960d Erythrocyte counts and hemoglobin determinations for two Antarctic nototheniid fishes. Ibid., 199-201.

1962a Triodon bursarius, a plectognath fish connecting the Sclerodermi and Gymnodontes. Copeia, 1962(4):793-801, 1 fig.

1962b The pelvis and pelvic fin of plectognath fishes; a study in reduction. Proc. Acad. Nat. Sci. Philadelphia, 114(7):207-250, 57 figs.

1963a A critique of Y. LeDanois' work on the classification of the fishes of the Order Plectognathi. Copeia, 1963 (1):203-206.

1963b The apparent reduction in number of precaudal vertebrae in trunkfishes (Ostraciontoidea, Plectognathi). Proc. Acad. Nat. Sci. Philadelphia, 115(7):153-190, 13 figs.

1964 A diagnosis of the two species of South American puffer fishes (Tetraodontidae, Plectognathi) of the genus Colomesus. Ibid., 116(3):119-148, 16 figs.

1965a The trunkfish genus Acanthostracion (Ostraciontidae, Plectognathi) in the western Atlantic: two species rather than one. Ibid., 117(8):261-287, 21 figs.

1965b A synopsis of the four species of cowfishes (Acanthostracion, Plectognathi) in the Atlantic Ocean. Ibid., 117(8):261-287, 21 figs.

1966a A new species of triacanthodid plectognath fish from the Caribbean, Hollardia meadi. Notulae Naturae (Acad. Nat. Sci. Philadelphia), 382:1-8, 2 figs.

1966b A new genus and species of triacanthodid fish (Plectognathi) from the Indian Ocean. Ibid., 385: 1-5, 1 fig.

1966c Mimicry between the plectognath fishes Canthigaster valentini (Canthigasteridae) and Paraluteres prionurus (Aluteridae). Ibid., 386:1-13, 2 figs.

1966d A new species of serranoid fish of the family Anthiidae from the Indian Ocean. Ibid., 389:1-6, 2 figs.

1966e A new species of damselfish (Pomacentridae) from the western Indian Ocean, Pristotis judithae. Ibid., 393: 1-6, 3 figs.

1966f Bathyphylax omen, a new species of triacanthodid plectognath fish from the Indian Ocean. Ibid., 395: 1-5, 2 figs.

1966g Tetraodon lagocephalus Linnaeus, 1758, the type species of Lagocephalus Swainson, 1839, by the subsequent designation of Bonaparte, 1841. Copeia, 1966(3):602-604.

1967a Redescription and synonymy of the Indo-Pacific plesiopid fish Barrosia altivelis. Notulae Naturae (Acad. Nat. Sci. Philadelphia), 399:1-8, 5 figs.

1967b A diagnosis of the two transversely barred Indo-Pacific pufferfishes of the genus Canthigaster (valentini and coronatus). Proc. Acad. Nat. Sci. Philadelphia, 119(2):53-73, 6 figs.

1967c Color pattern changes with increasing size in the western Atlantic trunkfish Lactophrys trigonus. Copeia, 1967(1):250-251, 8 figs.

1967d A redescription of Triodon macropterus Lesson, a phyletically important plectognath fish. Proc. Nederlandski Akad. Wetenschappen (Amsterdam), (C) 70 (1):84-96, 1 fig., 2 pls.

1968 A monograph on plectognath fishes of the Superfamily Triacanthoidea. Monographs Acad. Nat. Sci. Philadelphia, 16:1-364, 209 figs.

1969 Observations on the commensal relationships of the western Atlantic pearlfish, Carapus bermudensis, and holothurians. Copeia, 1969(1): 206-208. (C.L. Smith and J.C. Tyler)

1970a A redescription of the inquiline carapid fish Onuxodon parvibrachium, its host and skull structure. Bull. Marine Sci. (Univ. Miami), 20(1):148-164, 10 figs.

1970b The dorsal and anal fin locking apparatus of surgeon fishes (Acanthuridae). Proc. California Acad. Sci., 38(21):391-410, 9 figs.

1970c The progressive reduction in number of elements supporting the caudal fin of fishes of the Order
Plectognathi. Proc. Acad. Nat. Sci. Philadelphia, 122 (1):1-85, 56 figs.

1970d Osteological aspects of interrelationships of surgeon fish genera (Acanthuridae). Ibid., 122(2):87-124, 23 figs.

1970e Abnormal fin and vertebral growth structures in plectognath fishes. Ibid., 122(4):249-271, 15 figs.

1970f An especially small, sexually dimorphic new species of filefish (Monacanthidae) from Australasian reefs. Ibid., 122(5):273-290, 8 figs.

1970g A new species of blennioid fish of the family Notograptidae from eastern Australia. Notulae Naturae (Acad. Nat. Sci. Philadelphia), 431:1-12, 3 figs. (J.C. Tyler and C.L. Smith)

1970h New records of triacanthoid plectognath fishes. Ibid., 435:1-7, 3 figs.

1971a Habitat preferences of the fishes that dwell in shrub corals of the Great Barrier Reef. Proc. Acad. Nat. Sci. Philadelphia, 123(1):1-26, 8 figs.

1971b Aspects of oral brooding in the cardinalfish Cheilodipterus affinis Poey (Apogonidae). American Mus. Novitates, 2456:1-11, 3 figs. (C.L. Smith, E.H. Atz, and J.C. Tyler)

1972a Records of sponge-dwelling fishes, primarily of the Caribbean. Bull. Marine Sci. (Univ. Miami), 22(3): 601-642, 2 figs. (J.C. Tyler and J.E. Bohlke)

1972b Space resource sharing in a coral reef fish community. In: B.B. Collette and S.A. Earle (eds.), Results of the Tektite Program: Ecology of Coral Reef Fishes. Los Angeles County Nat. Hist. Mus., Sci. Bull., 14:125-170, figs. 61-69, 1 folding plate. (C.L. Smith and J.C. Tyler)

1973a A new species of boxfish from the Eocene of Monte Bolca, Italy, the first unquestionable fossil record of the Ostraciontidae. Mem. Museo Civico Storia Naturale Verona, 2:103-127, 7 figs., 8 pls.

1973b A new species of triacanthodid fish (Plectognathi) from the Eocene of Monte Bolca, Italy, representing a new subfamily ancestral to the Triodontidae and the other gymnodonts. Ibid., 2:128-156, 1 fig., 6 pls.

1973c Population ecology of a Bahamian suprabenthic shore fish assemblage. American Mus. Novitates, 2528:1-38, 15 figs. (C.L. Smith and J.C. Tyler)

1973d Direct observations of resource sharing in coral reef fishes. Helgolander wiss. Meeresunters., 24:264-275. (C.L. Smith and J.C. Tyler)

1974a Succession and stability in the fish communities of dome shaped patch reefs in the West Indies. American Mus. Novitates, 2572:1-18, 6 figs. (C.L. Smith and J.C. Tyler)

1974b Tetraodontiformes. In: Encyclopaedia Britannica, 15th edition, volume "T":162-164, 7 figs.

1975 Reexamination of a coral reef fish community. American Philosophical Soc. Year Book, for 1974: 379. (J.C. Tyler and C.L. Smith)

1976 Draft Environmental Impact Statement on the proposed listing of the green sea turtle (Chelonia mydas), loggerhead sea turtle (Caretta), and Pacific ridley sea turtle (Lepidochelys olivacea) as threatened species under the Endangered Species Act of 1973. U.S. Dept. Commerce, National Marine Fisheries Service. 100 pp., plus attachments. (L.H. Ogren, R.B. Gorrell, and J.C. Tyler)

1977a Redescription of the gobiid fish Coryphopterus lipernes Bohlke and Robins, with notes on its habits and relationships. American Mus. Novitates, 2616: 1-10, 3 figs. (C.L. Smith and J.C. Tyler)

1977b Review of new U.S. scientific evidence pertaining to the biology and the status of bluefin tuna stocks and bluefin tuna fisheries. Inter. Comm. Conservation Atlantic Tunas, Standing Committee Research & Statistics, 6(2):345-360, 16 figs. (J.C. Tyler, R.E. Baglin, Jr., F.H. Berry, W.W. Parks, and L.R. Rivas)

1978a Der Rotaugen-Kammkugelfisch, Carinotetraodon lorteti, aus Sudostasien. Aquar.-u.-Terrar. Zeits. (Stuttgart), 31(4):118-121, 5 figs.

1978b A review of the United States scientific research on the biology and the status of bluefin tuna stocks and of the bluefin tuna fisheries. Inter. Comm. Conservation

Atlantic Tunas, Standing Committee Research & Statistics, 7(2):366-370. (J.C. Tyler, R.E. Baglin, Jr., F.H. Berry, and L.R. Rivas)

1978c Final Environmental Impact Statement listing and protecting the green sea turtle (Chelonia mydas), loggerhead sea turtle (Caretta), and Pacific ridley sea turtle (Lepidochelys olivacea) under the Endangered Species Act of 1973. U.S. Dept. Commerce, National Marine Fisheries Service. 144 pp. (L.H. Ogren, R.B. Gorrell, and J.C. Tyler)

1978d FAO species identification sheets for fishery purposes, western central Atlantic: familial, generic and species accounts for the families Triacanthodidae, Balistidae, Monacanthidae, Ostraciidae and Diodontidae. Food and Agricultural Organization, United Nations (Rome). 40 pp., 73 figs.

1979a A review of the Southeast Fisheries Center biological and statistical research on the structure and the status of Atlantic bluefin tuna stocks. Inter. Comm. Conservation Atlantic Tunas, Standing Committee Research & Statistics, 8(2):381-390. (J.C. Tyler, R.E. Baglin, Jr., F.H. Berry, M.I. Farber, and L.R. Rivas)

1979b New genus and species of pufferfish (Tetraodontidae) from Norfolk Island, southwest Pacific. Bull. Marine Sci. (Univ. Miami), 29(2):202-215, 6 figs. (J.C. Tyler and J.R. Paxton)

1980Osteology, phylogeny, and higher classification of the fishes of the Order Plectognathi (Tetraodontiformes). Nat. Ocean. Atmos. Adm. Tech. Rept., Nat. Mar. Fish. Ser., Circ. 434: 1-422, 326 figs.

1981a Comments on the osteology of balistoid fishes (Tetraodontiformes), with notes on the triodontid pelvis. Proc. Biol. Soc. Washington, 94(1):52-66. (J.C. Tyler and K. Matsuura)

1981b Population ecology and biology of the pearlfish (Carapus bermudensis) in the lagoon at Bimini, Bahamas. Bull. Marine Sci. (Univ. Miami), 31(4): 876-902. (C.L. Smith, J.C. Tyler, and M.N. Feinberg)

1981c FAO species identification sheets for fishery purposes, eastern central Atlantic: familial, generic and species accounts for the family Balistidae. Food and Agricultural Organization, United Nations (Rome). 10 pp., 22 figs. (R. Winterbottom and J.C. Tyler)

1982 Redescription of the Indo-Australian filefish Acreichthys radiatus (Popta) (Monacanthidae, Tetraodontiformes). American Mus. Novitates, 2727:1-14, 10 figs. (J.C. Tyler and M. Lange)

1983a Phylogenetic relationships of aracanine genera of boxfishes (Ostraciidae: Tetraodontiformes). Copeia, 1983(4):903-917, 12 figs. (R. Winterbottom and J.C. Tyler)

1983b Records of fishes of the family Triacanthodidae (Tetraodontiformes) from the western Indian Ocean off East Africa. Special Publications, J.L.B. Smith Institute Ichthyology, Rhodes Univ., 31:1-13, 8 figs.

1986a A new generic name for Anchisomus multistriatus Richardson 1854 (Tetraodontidae), with notes on its toxicity and pufferfish biting behavior. Records Western Australian Mus., 13(1):101-120, 5 figs. (J. Su, G. S. Hardy, and J.C. Tyler)

1986b Triacanthodidae. In: Smith's Sea Fishes. M.M. Smith and P.C. Heemstra (eds.). Smith Institute Ichthyology, Macmillan South Africa, 1047 pp: 887-890, 4 figs.

l986c Diagnoses of Arothron nigropunctatus and A. meleagris, two extremely polychromatic Indo-Pacific pufferfishes (Pisces: Tetraodontidae). Proc. Acad. Nat. Sci. Philadelphia, 138(1):14-32, 4 figs. (J. Su and J.C. Tyler)

1987 Inshore ichthyoplankton: a distinctive assemblage? Bull. Marine Sci. (Univ. Miami), 41(2):432-440, 1 fig. (C.L. Smith, J.C. Tyler, and L. Stillman)

1989 Morphology of Luvarus imperialis (Luvaridae), with a phylogenetic analysis of the Acanthuroidei (Pisces). Smithsonian Contrib. Zool., 485: 1-78, 50 figs. (J.C. Tyler, G.D. Johnson, I. Nakamura, and B.B. Collette)

1990 Oceans, a fact filled coloring book. Running Press, Philadelphia. 127 pp. (D.M. Tyler and J.C. Tyler)

1991a New genera and species of fossil surgeon fishes and their relatives (Acanthuroidei, Teleostei) from the Eocene of Monte Bolca, Italy, with application of the Blot Formula to both fossil and Recent forms. Boll. Museo Civico Storia Naturale Verona, 15, Studi e Ricerche sui Giacimenti Terziari di Bolca, 6:13-92, 22 figs., 12 pls. (J. Blot and J.C. Tyler)

1991b A new species of the primitive Eocene rabbitfish Ruffoichthys from Italy, with the genus redefined relative to the Recent forms and to the other fossil genera (Siganidae). Boll. Museo Civico Storia Naturale Verona, 15, Studi e Ricerche sui Giacimenti Terziari di Bolca, 6:93-113, 6 figs, 2 pls. (J.C. Tyler and L. Sorbini)

1991c A new genus and species of boxfish (Ostraciidae, Tetraodontiformes) from the Oligocene of Moravia, the second fossil representative of the family. Smithsonian Contrib. Paleo., 71:1-20, 8 figs. (J.C. Tyler and R. Gregorova)

1991d The skull of the Eocene Triodon antiquus (Triodontidae; Tetraodontiformes): similar to that of the Recent threetooth pufferfish T. macropterus. Proc. Biol. Soc. Washington, 104(4):878-891, 6 figs. (J.C. Tyler and C. Patterson)

1992a Systematic significance of the burrow form of seven species of garden eels (Congridae: Heterocongrinae). American Mus. Novitates, 3037:1-13, 5 figs. (J.C. Tyler and C.L. Smith)

1992b Deepwater populations of the western Atlantic pearlfish Carapus bermudensis (Ophidiiformes: Carapidae). Bull. Marine Sci. (Univ. Miami), 51(2): 218-223, 1 fig. (J.C. Tyler, C.R. Robins, C.L. Smith, and R.G. Gilmore)

1992c A remarkable new genus of tetraodontiform fish with features of both balistids and ostraciids from the Eocene of Turkmenistan. Smithsonian Contrib. Paleo., 72:1-14, 4 figs. (J.C. Tyler and A.F. Bannikov).

1992d New genus of primitive ocean sunfish with separate premaxillae from the Eocene of southwest Russia (Molidae, Tetraodontiformes). Copeia, 1992(4):1014-1023, 3 figs. (J.C. Tyler and A.F. Bannikov)

1992e A new species of Sphoeroides pufferfish (Teleostei: Tetraodontidae) with extensive hyperostosis from the Pliocene of North Carolina. Proc. Biol. Soc. Washington, 105(3):462-482, 8 figs. (J.C. Tyler, R. Purdy, and K. Oliver)

1992f Caprovesposus from the Oligocene of Russia: the pelagic acronurus prejuvenile stage of a surgeonfish (Teleostei: Acanthuridae). Proc. Biol. Soc. Washington, 105(4):810-820, 3 figs. (A.F. Bannikov and J.C. Tyler)

1993a Two new genera and species of Oligocene spikefishes (Tetraodontiformes: Triacanthodidae), the first fossils of the Hollardinae and Triacanthodinae. Smithsonian Contrib. Paleo., 75:1-27, 20 figs. (J.C. Tyler, A. Jerzmanska, A.F. Bannikov, and J. Swidnicki)

1993b Comparative early life history stages of western Atlantic squirrelfishes (Holocentridae): age and settlement of rhynchichthys, meeki, and juvenile stages. Bull. Marine Sci. (Univ. Miami), 53(3):1126-1150, 9 figs. (J.C. Tyler, G.D. Johnson, E.B. Brothers, D.M. Tyler, and C.L. Smith)

1994a Essential similarities and 21st Century responsibilities of great natural history museums. Nat. Hist. Res. (Chiba, Japan), 3(1):51-66.

1994b A new genus of fossil pufferfish (Tetraodontidae; Tetraodontiformes) based on a new species from the Oligocene of Russia and a referred species from the Miocene of

Ukraine. Proc. Biol. Soc. Washington, 107(1):97-108, 4 figs. (J.C. Tyler and A.F. Bannikov)

1994c Review of: Dictionary of evolutionary fish osteology, by A. L. Rojo. Copeia, 1994(1):250-251.

1994d Triggerfishes and their allies. Pages 229-233 In Encylopedia of animals: fishes. J.R. Paxton and W.N. Eschmeyer (eds.). Weldon Owen Publishing, Sydney. (K. Matsuura and J.C. Tyler)

1994e Revisia semeistva Eosenovih rib Exellidae (Perciformes). [Revision of the Eocene fish family Exelliidae (Perciformes)]. Paleontologitchesky Jurnal [Paleo. Jour. (Moscow)], 1994(3):103-113, 6 figs. (A.F. Bannikov and J.C. Tyler)

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