

AN INDEXED BIBLIOGRAPHY OF PAPERS ON TAGGING OF BILLFISHES

Compiled by William H. Bayliff

PAPERS OF SPECIAL INTEREST

Two of these papers (Arnold and Dewar, 2001; Gunn and Block, 2001) contain detailed information on electronic tagging. The other seven contain information on the history of fish tagging and on materials and methods for tagging fish, recovering the tags, and handling the recapture data.

Arnold, Geoff, and Heidi Dewar. 2001. Electronic tags in marine fisheries research: a 30-year perspective. In Sibert John R., and Jennifer L. Nielson (editors), *Electronic Tagging and Tracking in Marine Fisheries*. Kluwer Academic Publishers, Boston: 7-64.

Bayliff, William H., and Kim N. Holland. 1986. Materials and methods for tagging tunas and billfishes, recovering the tags, and handling the recapture data. FAO, Fish. Tech. Pap., 279: v, 36 pp.

Gunn, John, and Barbara Block. 2001. Advances in acoustic, archival, and satellite tagging of tunas. In Block, Barbara A., and E. Donald Stevens (editors), *Tuna: Physiology, Ecology, and Evolution*, Academic Press, San Diego: 167-224.

Holland, Kim, Richard Brill, Scott Ferguson, Randolph Chang, and Reuben Yost. 1985. A small vessel technique for tracking pelagic fish. Mar. Fish. Rev., 47 (4): 26-32.

Jakobsson, Jakob. 1970. On fish tags and tagging. Ocean. Mar. Biol., Ann. Rev., 8: 457-499.

Mather, Frank J., III. 1963a. Tags and tagging techniques for large pelagic fishes. Inter. Comm. North Atlan. Fish., Spec. Publ., 4: 288-293.

McFarlane, G. A., Richard S. Wydoski, and Eric D. Prince. 1990. Historical review of the development of external tags and marks. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), *Fish-Marking Techniques*, Amer. Fish. Soc., Symp., 7: 9-29.

Miyake, P. M. 1990. History of the ICCAT tagging program, 1971-1986. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), *Fish-Marking Techniques*, Amer. Fish. Soc., Symp., 7: 746-764.

Prince, Eric D., Mauricio Ortiz, Arietta Venizelos, and David S. Rosenthal. 2002. In-water conventional tagging techniques developed by the Cooperative Center for Large, Highly Migratory Species. Amer. Fish. Soc., Symposium, 30: 155-171.

OTHER PAPERS

Amon Kothias, J.-B., and F. X. Bard. 1985. National report of Ivory Coast. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1984-1985, Part 1: 250-255.

Amon Kothias, J.-B. and F. X. Bard. 1993. National report of Côte d'Ivoire. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1992-1993, Part I: 347.

Anonymous. 1956. Distribution of yellowfin and big-eyed tuna investigated by "N. B. Scofield" (Cruise 5). Comm. Fish. Rev., 18 (2): 18-21.

Anonymous. 1960. Game fish studies. Oceanus, 6 (4): 9.

- Anonymous. 1962. Migrations in North Atlantic studied by R/V "Crawford." Comm. Fish. Rev., 24 (2): 41-42.
- Anonymous. 1963. Tagging program. Comm. Fish. Rev., 25 (2): 51-52.
- Anonymous. 1964a. Results of bluefin tagging in Atlantic Ocean by Woods Hole Oceanographic Institution. Comm. Fish. Rev., 26 (2): 52.
- Anonymous. 1964b. Tuna and swordfish distribution studies in western North Atlantic: M/V "Delaware" Cruise 64-3 (April 17-June 4, 1964). Comm. Fish. Rev., 26 (9): 28-31.
- Anonymous. 1964c. Marlin and sailfish cooperative tagging program in eastern Pacific. Comm. Fish. Rev., 26 (9): 41-42.
- Anonymous. 1965a. Tuna and swordfish distribution studies in western North Atlantic continued: M/V "Delaware" Cruise 64-10 (October 15-November 5, 1964). Comm. Fish. Rev., 27 (2): 31-33.
- Anonymous. 1965b. Tuna and swordfish distribution studies in western North Atlantic continued: M/V "Delaware" Cruise 65-3 (March 30-April 23, 1965). Comm. Fish. Rev., 27 (7): 32-33.
- Anonymous. 1966a. Tuna and swordfish explorations in northwest Atlantic continued: M/V "Delaware" Cruise 65-13 (December 2-13, 1965). Comm. Fish. Rev., 28 (3): 31-32.
- Anonymous. 1966b. Tuna and swordfish distribution studies in northwest Atlantic continued: M/V "Delaware" Cruise 66-2 (March 8-April 6, 1966). Comm. Fish. Rev., 28 (7): 35-37.
- Anonymous. 1969a. First tagged Atlantic swordfish recovered. Comm. Fish. Rev., 31 (12): 5.
- Anonymous. 1969b. Woods Hole reports on 4-year game-fish tagging program. Comm. Fish. Rev., 31 (12): 19-20.
- Anonymous. 1972a. Marlin tagging in North Atlantic. Mar. Fish. Rev., 34 (9-10): 9.
- Anonymous. 1972b. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1970-1971, Part 3: 1-144.
- Anonymous. 1974. NOAA, Woods Hole cooperate in program to tag and track Atlantic Ocean game fish. Mar. Fish. Rev., 36 (8): 48.
- Anonymous. 1976. Marine gamefish tournament data published. Mar. Fish. Rev., 38 (2): 27-28.
- Anonymous. 1977a. American angler lands tagged black marlin. Austral. Fish., 36 (12): 40-41.
- Anonymous. 1977b. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1976-1977, Part 1: 1-178.
- Anonymous. 1978. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1976-1977, Part 2: 1-247.
- Anonymous. 1983. Marine anglers, angling records, and fish poachers. Mar. Fish. Rev., 45 (1): 32.
- Anonymous. 1985. Tagged striped marlin recaptured near Hawaii. Mar. Fish. Rev., 47 (1): 87.
- Anonymous. 1990. AIMS billfish tagging program. Austral. Fish., 49 (3): 8.

- Anonymous. 1992a. Black marlin wanderings. *Austral. Fish.*, 51 (6): 27.
- Anonymous. 1992b. Three times lucky? *Austral. Fish.*, 51 (6): 28
- Anonymous. 1992c. A rare catch. *Austral. Fish.*, 51 (6): 35.
- Anonymous. 1996. New satellite tracking techniques benefit blue marlin. *Fisheries*, 21 (3): 47-48.
- Anonymous. 1997. Report of the ICCAT swordfish stock assessment session. *Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap.*, 46 (3): 165-298.
- Anonymous. 1999. National Report of EC-Spain. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1998-1999, Part I*, Vol. 2: 236-244.
- Anonymous. 2000. National Report of EC-Spain, 1998-1999. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1998-1999, Part II*, Vol. 1: 239-248.
- Anonymous. 2001a. Report of the fourth ICCAT billfish workshop. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 53: 1-130.
- Anonymous. 2001b. National Report of EC-Spain. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part I*, Vol. 1: 363-372.
- Anonymous. 2002a. Report of the 2001 billfish species group session. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 54 (3): 649-754.
- Anonymous. 2002b. National Report of EC-Spain. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part II*, Vol. 1: 475-483.
- Anonymous. 2002c. National Report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part II Vol. 1*: 541-455.
- Anonymous. 2003. National Report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2002-03, Part I*, Vol. 3: 88-101.
- Anonymous. 2004. National Report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2002-03, Part II Vol. 3*: 105-119.
- Arocha, Freddy, and Eric D. Prince. 1999. Tag and release of juvenile swordfish off Venezuelan industrial longline vessels. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 49 (1): 423-427.
- Avigrian, Anna M, and Arietta Venizelos. 2003. Big game fishing in the northern Gulf of Mexico during 1996-2000. NOAA Technical Memorandum NMFS-SEFSC-495: iii, 12 pp.
- Baglin, Raymond E., Jr. 1979. Size composition, length-weight relationship, and reproduction of the white marlin, *Tetrapturus albidus*, in the western North Atlantic Ocean. *U. S. Nat. Mar. Fish. Serv., Fish. Bull.*, 76 (4): 919-925.
- Bayley, Robert E., and Eric D. Prince. 1994a. A review of tag release and recapture files for Istiophoridae from the Southeast Fisheries Center's Cooperative Game Fish Tagging Program, 1954 to present. *Inter. Comm. Cons. Atlan. Tunas*, 41: 527-548.
- Bayley, R. E., and E. D. Prince. 1994b. Billfish tag-recapture rates in the western Atlantic and the ICCAT billfish tagging program. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 42 (2): 362-368.

- Bayliff, William H., and Kim N. Holland. 1986. Materials and methods for tagging tunas and billfishes, recovering the tags, and handling the recapture data. FAO, Fish. Tech. Pap., 279: v, 36 pp.
- Beardsley, Grant L. 1985. The importance of cooperative game fish tagging programs in marine fisheries research. In Stroud, Richard H. (editor), World Angling Resources and Challenges, Proceedings of the First World Angling Conference, Cap d' Agde, France, September 12-18, 1984, International Game Fish Association, Fort Lauderdale, Florida: 233-239.
- Beardsley, G. L., Jr., N. R. Merrett, and W. J. Richards. 1975. Synopsis of the biology of the sailfish *Istiophorus platypterus* (Shaw and Nodder, 1791). U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (3): 95-120.
- Beckett, J. S. 1970. Swordfish, shark, and tuna tagging 1961-1969. Fish. Res. Bd. Canada, Tech. Rep., 193: 32 pp.
- Beckett, James S. 1974. Biology of swordfish, *Xiphias gladius* L., in the northwest Atlantic Ocean. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (2): 103-106.
- Bedford, Dennis W., and Frederick E. Hagerman. 1983. The billfish fishery resource of the California Current. Calif. Coop. Ocean. Fish. Inves., Rep., 24: 70-78.
- Berkeley, S. A. 1983. Atlantic swordfish stock structure data and suggestions for its interpretation. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 18 (3): 839-845.
- Berkeley, Steven A. 1989. Trends in Atlantic swordfish fisheries. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 1: Fishery and Stock Synopses, Data Needs and Management, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 47-60.
- Block, Barbara A. 1987. Billfish brain and eye heater: a new look at nonshivering heat production. News in Physiological Sciences, 2: 208-213.
- Block, Barbara. 1998. Satellite and archival tagging of highly migratory fish in the Atlantic. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 50 (1): 235.
- Block, Barbara A., David Booth, and Francis G. Carey. 1992a. Direct measurement of swimming speeds and depth of blue marlin. Jour. Exper. Biol., 166: 267-284.
- Block, B. A., D. T. Booth, and F. G. Carey. 1992b. Depth and temperature of the blue marlin, *Makaira nigricans*, observed by acoustic telemetry. Mar. Biol., 114 (2): 175-183.
- Boggs, Christofer, H. 1989. Vital rate statistics for billfish stock assessment. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 1: Fishery and Stock Synopses, Data Needs and Management, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 225-233.
- Boggs, Cristofer H. 1992. Depth, capture time, and hooked longevity of longline-caught pelagic fish: timing bites of fish with chips. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 90 (4): 642-658.

- Brill, Richard W., Keith A. Bigelow, Michael K. Musyl, Kerstin A. Fritsches, and Eric J. Warrant. 2005. Bigeye tuna (*Thunnus obesus*) behavior and physiology and their relevance to stock assessments and fishery biology. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 57 (2): 142-161.
- Brill, R. W., D. B. Holts, R. K. C. Chang, S. Sullivan, H. Dewar, and F. G. Carey. 1993. Vertical and horizontal movements of striped marlin (*Tetrapturus audax*) near the Hawaiian Islands, determined by ultrasonic telemetry, with simultaneous measurements of oceanic currents. Mar. Biol., 117 (4): 567-574.
- Brill, Richard W., and Molly E. Lutcavage. 2001. Understanding environmental influences on movements and depth distributions of tunas and billfishes can significantly improve population assessments. Amer. Fish. Soc., Symp., 25: 179-198.
- Brown, B. E., P. M. Miyake, and E. Prince. 1988. Progress of the ICCAT Enhanced Research Program for Billfish during 1987. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 28: 258-265.
- Brown, C. A. 1995. Preliminary examination of size and location data for U.S. tagged and recaptured swordfish. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 44 (3): 217-224.
- Buchanan, C. C., F. J. Mather, and J. M. Mason. 1978. Results of United States tagging of Atlantic billfishes, October 1, 1976 through September 30, 1977. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 7 (1): 166-169.
- Burnett, C. D., M. J. A. Butler, C. A. Dickson, and T. D. Iles. 1977. Canadian tagging and recapture data of large pelagic fish for the period 1970-76. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 6 (2): 281-286.
- Burnett, C. D., and T. D. Iles. 1978. Canadian research report 1976-77. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1976-1977, Part 2: 252-253.
- Caddy, J. F., and C. D. Burnett. 1976. Canadian national report, 1974-1975. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1974-1975, Part 2: 171-172.
- Capisano, C. 1989. Le voilier de l'Atlantique est, *Istiophorus albicans* (Latreille, 1804): quelques aspects de la biologie et de la reproduction. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 30 (2): 392-430.
- Carey, Frank G. 1983. Experiments with free-swimming fish. In Brewer, Peter G. (editor), Oceanography—the Present and Future. Springer-Verlag, New York: 57-68.
- Carey, Francis G. 1990. Further acoustic telemetry observations of swordfish. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 2: Contributed Papers, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 103-122.
- Carey, Francis G., and Bruce H. Robison. 1981. Daily patterns in the activities of swordfish, *Xiphias gladius*, observed by acoustic telemetry. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 79 (2): 277-292.

- Casey, J., H. W. Pratt, N. Kohler, and C. Stillwell. 1988. Shark tagging provides needed biological data. Mar. Fish. Rev., 50 (3): 54-56.
- Casey, John G., Frank J. Mather, III, John M. Mason, Jr., and John Hoenig. 1978. Offshore fisheries of the Middle Atlantic Bight. In Clepper, Henry (editor), Marine Recreational Fisheries 3, Proc. Second Annual Marine Recreational Fisheries Symposium, Norfolk, Virginia, March 29-30, 1978: 107-129.
- Cayré, P. 1986. National report of Senegal. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1984-1985, Part 2: 267-270.
- Chow, S., H. Okamoto, Y. Uozumi, Y. Takeuchi, and H. Takeyama. 1997. Genetic stock structure of the swordfish (*Xiphias gladius*) inferred by PCR-RFLP analysis of the mitochondrial DNA control region. Mar. Biol., 127 (3): 359-367.
- Clemens, Harold B. 1966. Migratory tackle busters. Outdoor California, 27 (8-9): 20-21.
- Conser, R. J. 1984. Yield per recruit analysis of sailfish, *Istiophorus platypterus*, in the western Atlantic Ocean. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 20 (2): 448-464.
- Cramer, Jean. 2004. Life after catch and release. Mar. Fish. Rev., 66 (1): 27-30.
- *Davies, N. M., and B. Hartill. 1998. New Zealand billfish and gamefish tagging, 1996-1997. NIWA [New Zealand Institute of Water and Atmospheric Research] Tech. Rep., 35: 33 pp.
- Davy, Kay, Shelly Smith-Knight, Thomas Dupre, and Donald Hammond. 2000. Conservation of billfish in South Carolina. Gulf Carib. Fish. Inst., Proc., 51: 602-616.
- Dewar, Heidi, and Jeff Polovina. 2005. Deploying satellite tags on swordfish using the California harpoon fleet. PFRP [Pelagic Fisheries Research Program, University of Hawaii at Manoa], 10 (4): 4-6.
- Diouf, T. 1991. Etude des pêches d'istiophoridée en Atlantique-est. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 35 (1): 73-88.
- Diouf, T. 1995. Rapport d'activités sur les pêches d'istiophoridés au Sénégal (juin à octobre 1994). Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 44 (3): 30-31.
- Diouf, Taib. 1999. Programme international de recherches sur les istiophoridés: bilan des activités en Atlantique est 1997-1998. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 49 (1): 514-520.
- Domeier, Michael L., Heidi Dewar, and Nicole Nasby-Lucas. 2003. Mortality rate of striped marlin (*Tetrapturus audax*) caught with recreational tackle. Mar. Fresh. Res., 54 (4): 435-445.
- Earle, Swepson. 1940. The white marlin fishery of Ocean City, Maryland. U.S. Bur. Fish., Spec. Rep., 6: 17 pp.
- Farber, M. I. 1988. An overview of available information pertinent to interpreting possible stock structure of swordfish in the Atlantic Ocean. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 27: 240-255.
- Findlay, James D., Colleen M. Cross, and Andrew Bodsworth. 2003. Marlin fisheries management in Australia. Mar. Fresh. Res., 54 (4): 535-543.

- Fisheries Agency of Japan Fisheries Agency of Japan. 2002. National Report of Japan. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part II, Vol. 1: 492-504.
- Frey, Herbert W. (editor). 1971. California's living marine resources and their utilization. Calif. Dept. Fish Game: 148 pp.
- García-Cortés, B., J. Mejuto, and M. Quintans. 2000. A note on swordfish recaptured by the Spanish commercial fleet in the Atlantic Ocean. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 51: 1664-1670.
- García-Cortés, B., J. Mejuto, and M. Quintans. 2003. Summary of swordfish (*Xiphias gladius*) recaptures carried out by the Spanish surface longline fleet in the Atlantic Ocean: 1984-2002. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 55 (4): 1476-1484.
- Garibaldi, F., G. Palandri, and L. Orsi Relini. 1999. The first Mediterranean recapture useful for growth studies of tagged swordfish. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 49 (1): 151-152.
- General Sectorial Directorate of Fisheries and Aquiculture. 1993. National Report of Venezuela. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1992-93, Part I: 373-375.
- González-Garcés, A. 1982. Report on Spanish tuna fishing and research, 1980-1981. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1980-1981, Part 2: 252-255.
- González-Garcés, A. 1985. National report of Spain. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1984-1985, Part 1: 274-279.
- González-Garcés, A. 1987. National report of Spain. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1986-1987, Part 1: 293-303.
- Goodyear, Phil. 2000. Factors affecting robust estimates of the catch and release mortality using pop-off tag technology. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 51: 950-960.
- Gottschalk, John S. 1972. Longlines and billfish. Mar. Fish. Rev., 34 (11-12): 20-25.
- Graves, John E. 1996. Conservation genetics of fishes in the pelagic marine realm. In Avise, John C., and James L. Hamrick (editors), Conservation Genetics: Case Histories from Nature, Chapman and Hall, New York: 335-366.
- Graves, John E., David W. Kerstetter, Brian E. Luckhurst, and Eric D. Prince. 2003. Habitat preferences of istiophorid billfishes in the western North Atlantic: applicability of archival tag data to habitat-based stock assessment methodologies. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 55 (2): 594-602.
- Graves, John E., Brian E. Luckhurst, and Eric D. Prince. 2000. An evaluation of pop-up satellite tag technology to estimate post-release survival of blue marlin (*Makaira nigricans*). Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 51: 910-922.
- Graves, John E., Brian E. Luckhurst, and Eric D. Prince. 2002. An evaluation of pop-up satellite tags for estimating postrelease survival of blue marlin (*Makaira nigricans*) from a recreational fishery. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 100 (1): 134-142.
- Graves, John E., and Jan R. McDowell. 2003. Stock structure of the world's istiophorid billfishes: a genetic perspective. Mar. Fresh. Res., 54 (4): 287-298.

- Gunn, John S., Toby A. Patterson, and Julian G. Pepperell. 2003. Short-term movement and behaviour of black marlin *Makaira indica* in the Coral Sea as determined through a pop-up satellite archival tagging experiment. Mar. Fresh. Res., 54 (4): 515-525.
- Harrison, Nathan. 1993. Sailfish fiesta sparks debate. West. Fish. [Australia], Spring 1993: 16-17.
- *Hartill, B., and N. M. Davies. 1999. New Zealand billfish and gamefish tagging, 1997-1998. NIWA [New Zealand Institute of Water and Atmospheric Research] Tech. Rep., 57: 39 pp.
- Hinton, Michael G. 2001. Status of blue marlin in the Pacific Ocean. Inter-Amer. Trop. Tuna Comm., Stock Assess. Rep., 1: 284-319.
- Hinton, Michael G., and William H. Bayliff. 2002a. Status of swordfish in the eastern Pacific Ocean. Inter-Amer. Trop. Tuna Comm., Stock Assess. Rep., 2: 297-338.
- Hinton, Michael G., and William H. Bayliff. 2002b. Status of striped marlin in the eastern Pacific Ocean in 2001 and outlook for 2002. Inter-Amer. Trop. Tuna Comm., Stock Assess. Rep., 3: 328-364.
- Hinton, Michael G., and Mark N. Maunder. 2004. Status of striped marlin in the eastern Pacific Ocean in 2002 and outlook for 2003-2004. Inter-Amer. Trop. Tuna Comm., Stock Assess. Rep., 4: 287-310.
- Holland, Kim N. 2003. A perspective on billfish biological research and recommendations for the future. Mar. Fresh. Res., 54 (4): 343-347.
- Holland, Kim, and Richard Brill. 1991. Movements of tuna and marlin in Hawaiian waters. 10^a Semana das Pescas dos Açores: 263-264.
- Holland, Kim, Richard Brill, and Randolph K. C. Chang. 1990. Horizontal and vertical movements of Pacific blue marlin captured and released using sportfishing gear. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 88 (2): 397-402.
- Holland, Kim, Richard Brill, Scott Ferguson, Randolph Chang, and Reuben Yost. 1985. A small vessel technique for tracking pelagic fish. Mar. Fish. Rev., 47 (4): 26-32.
- Holts, David, and Dennis Bedford. 1990. Activity patterns of striped marlin in the Southern California Bight. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 2: Contributed Papers, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 81-93.
- Hoolihan, John. 2003. Sailfish movement in the Arabian Gulf: a summary of tagging results. Mar. Fresh. Res., 54 (4): 509-513.
- Hoolihan, John P. 2005. Horizontal and vertical movements of sailfish (*Istiophorus platypterus*) in the Arabian Gulf, determined by ultrasonic and pop-up satellite tagging. Mar. Biol., 146 (5): 1015-1029.
- Horodysky, Andrij Z., and John E. Graves. 2005. Application of pop-up satellite archival tag technology to estimate postrelease survival of white marlin (*Tetrapturus albidus*) caught on circle and straight-shank ("J") hooks in the western North Atlantic recreational fish-

- ery. U. S. Nat. Mar. Fish. Serv., Bull., 103 (1): 84-96.
- Horodysky, A. Z., D. W. Kerstetter, and J. E. Graves. 2004. Habitat preferences and diving behavior of white marlin (*Tetrapturus albidus*) released from the recreational rod-and-reel and commercial pelagic longline fisheries in the western North Atlantic Ocean: implications for habitat-based stock assessment models. Inter. Comm. Conserv. Atlan. Tunas, Coll. Vol. Sci. Pap., 56 (1): 160-168.
- Howard, John K., and Shoji Ueyanagi. 1965. Distribution and relative abundance of billfishes (Istiophoridae) of the Pacific Ocean. Univ. Miami, Inst. Mar. Sci., Stud. Trop. Ocean., 2: x, 134 pp.
- Hurlburt, T., D. Clay, and R. Stephenson. 1985. National report of Canada. Inter. Comm. Cons. Atlan. Tunas, Rep., Biennial Period, 1984-1985, Part 1: 237-238.
- Hurley, P. C. F., C. D. Burnett, and C. A. Dickson. 1979. An update of Canadian large pelagic fish tagging. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 8 (2): 338-342.
- Hurley, P., and T. D. Iles. 1980. Report on the Canadian research program on large pelagic fishes. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 9 (3): 601-605.
- Hurley, P. C. F., and T. D. Iles. 1982. Canadian national report, 1980-1981. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1980-1981, Part 2: 221-223.
- Hurley, P. C. F., K. I. Metuzals, and T. D. Iles. 1983. Canadian national report, 1981-82. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1982-1983, Part 1: 228-230.
- Iles, T. D., and C. D. Burnett. 1977. Canadian National Report 1975-1976. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1976-1977, Part 1: 181-183.
- Iles, T. D., P. C. F. Hurley, and C. D. Burnett. 1980. Canadian national report, 1978-79. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1978-1979, Part 2: 239-241.
- Iles, T. D., P. C. F. Hurley, and C. D. Burnett. 1981. Canadian national report, 1979-80. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1980-1981, Part 1: 214-216.
- Jolley, John W., Jr., and Edwin W. Irby, Jr. 1979. Survival of tagged and released Atlantic sailfish (*Istiophorus platypterus*: Istiophoridae) determined with acoustic telemetry. Bull. Mar. Sci., 29 (2): 155-169.
- Jones, C. D. 1997. Cooperative Tagging Center release and recapture activities for swordfish (*Xiphias gladius*): 1961-1996. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 46 (3): 379-382.
- Jones, C. D., M. Ortiz, M. T. Judge, and E. E. Prince. 1998. A review of the Cooperative Tagging Center release and recapture activities for highly migratory species: 1954 to present. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 48 (3): 289-300.
- Jones, C. D., and E. D. Prince. 1996. Cooperative Tagging Center release and recapture activities for highly migratory species, 1994/1995. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 45 (3): 366-372.
- Jones, Christopher D., and Eric D. Prince. 1998. The Cooperative Tagging Center mark recapture data base for Istiophoridae (1954-1995), with an analysis of the west Atlantic ICCAT billfish tagging program. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 47: 311-

- Joseph, James. 1979. Highly migratory species: their conservation and management. In Clepper, Henry (editor), Marine Recreational Fisheries 4, Proc. Fourth Annual Marine Recreational Fisheries Symposium, Fort Lauderdale, Florida, May 6-7, 1979: 67-76.
- Joseph, James, Witold Klawe, and Pat Murphy. 1986. Atunes y Peces Espada—Los Peces sin Patria, Tercera Edición. Comisión Interamericana del Atún Tropical, La Jolla: vii, 46 pp.
- Joseph, James, Witold Klawe, and Pat Murphy. 1988. Tuna and Billfish—Fish without a Country, Fourth Edition. Inter-Amer. Trop. Tuna Comm., La Jolla: vii, 69 pp.
- Kask, John L. 1966. Future problems in tagging experiments on tunas and billfishes. Pacif. Sci. Congr., Proc., 11, 7 (1): 27.
- Kerstetter, David W., Brian E. Luckhurst, Eric D. Prince, and John E. Graves. 2003. Use of pop-up satellite archival tags to demonstrate survival of blue marlin (*Makaira nigricans*) released from pelagic longline gear. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 101 (4): 939-948.
- Kerstetter, David W., Jeffery J. Polovina, and John E. Graves. 2004. Evidence of shark predation and scavenging on fishes equipped with pop-up satellite archival tags. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 102 (4): 750-756.
- Lenarz, William H., Albert C. Jones, and Frank J. Mather, III. 1972. National report of the United States of America. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1970-1971, Part 3: 198-204.
- Lowry, Michael, and Jeff Murphy. 2003. Monitoring the recreational gamefish fishery off southeastern Australia. Mar. Fresh. Res., 54 (4): 425-434.
- Luckhurst, Brian E. 1998. Analysis of Bermuda's marlin fishery—catches of blue marlin (*Makaira nigricans*) and white marlin (*Tetrapturus albidus*) during the period 1975-1995 with comments on tagging and tournament fishing effort. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 47: 131-134.
- Luckhurst, Brian E. 2000. Bermuda's marlin fishery—catches of blue marlin (*Makaira nigricans*) and white marlin (*Tetrapturus albidus*) with an analysis of recent trends in release rate and tournament catch per unit of effort. Gulf Carib. Fish. Inst., Proc., 51: 660-665.
- Marcano, Luis A., Freddy Arocha, José Alío, Jesús Marcano, and Asdrúbal Larez. 2004. Actividades desarrolladas en el programa de investigación intensiva sobre marlines en Venezuela, período 2001-2003. Inter. Comm. Conserv. Atlan. Tunas, Coll. Vol. Sci. Pap., 56 (1): 230-242.
- Marcano, Luis A., Freddy Arocha, José Alío, Jesús Marcano, and Asdrúbal Larez. 2005. Actividades desarrolladas en el programa de investigación intensiva sobre marlines en Venezuela, período 2003-2004. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 58 (5): 1603-1615.
- Marcano, Luis A., Freddy Arocha, and Jesús Marcano. 1999. Actividades desarrolladas en el Programa Expandido de ICCAT para Peces de Pico en Venezuela, período 1997-98. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 49 (1): 521-530.

- Mason, J. M., and C. C. Buchanan. 1979. Results of United States tagging of Atlantic billfishes, October 1975-October 1976. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 6 (2): 421-423.
- Mather, Frank J., III. 1960. Recaptures of tuna, marlin and sailfish tagged in the western North Atlantic. Copeia, (2): 149-151.
- Mather, Frank J., III. 1963a. Tags and tagging techniques for large pelagic fishes. Inter. Comm. North Atlan. Fish., Spec. Publ., 4: 288-293.
- Mather, F. J., III. 1963b. Game fish migrations. Oceanus, 10 (2): 16-19.
- Mather, F. J., III. 1967. The trail of the tail-walker. Oceanus, 13 (2-3): 10-16.
- Mather, Frank J., III. 1969. Long distance migrations of tunas and marlins. Underwater Naturalist, 6 (1): 6-14, 46.
- Mather, Frank J., III, and Martin R. Bartlett. 1966. Results of tagging experiments on tunas and bill-fishes conducted by the Woods Hole Oceanographic Institution. Pacif. Sci. Cong., Proc., 11, 7 (1): 26.
- Mather, F. J., III, and J. M. Mason, Jr. 1973. Summary of recent information on tagging and tag returns for tunas and billfishes in the Atlantic Ocean. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 1: 501-531.
- Mather, F. J., III, H. L. Clark, and J. M. Mason, Jr. 1975. Synopsis of the biology of the white marlin, *Tetrapturus albidus* Poey (1861). U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (3): 55-94.
- Mather, Frank J., III, Albert C. Jones, and Grant L. Beardsley, Jr. 1972. Migration and distribution of white marlin and blue marlin in the Atlantic Ocean. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 70 (2): 283-298.
- Mather, F. J., III, and J. M. Mason, Jr. 1973. Summary of recent information on tagging and tag returns for tunas and billfishes in the Atlantic Ocean. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 1: 501-531.
- Mather, F. J., J. M. Mason, and C. C. Buchanan. 1976. Results of United States tagging of Atlantic billfishes January 1, 1972-September 30, 1975. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 5 (2): 350-359.
- Mather, Frank J., III, John M. Mason, Jr., and H. Lawrence Clark. 1974. Migrations of white marlin and blue marlin in the western North Atlantic Ocean—tagging results since May, 1970. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (2): 211-225.
- Mather, Frank J., III, Durbin C. Tabb, John M. Mason, Jr., and H. Lawrence Clark. 1974. Results of sailfish tagging in the western North Atlantic Ocean. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (2): 194-210.
- Mather, F. J., III, and working party. 1972. Final report of the working party on tuna and billfish tagging in the Atlantic and adjacent seas. FAO, Fish. Rep., 118, Supplement 1: iii, 37 pp.
- Matsumoto, T., N. Miyabe, H. Saito, M. Okazaki, and S. Chow. 2002. Report of 2000-2001 research cruise by R/V *Shoyo-Maru* conducted under the ICCAT's BETYP. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 54 (1): 68-90.

- Matthews, John, and Kerrie Deguara. 1992. Anglers and state fisheries join forces to tag game-fish. *Austral. Fish.*, 51 (6): 34-36.
- Mejuto, J. 1991. Brief note on swordfish tagging by the Spanish commercial fleet in the Atlantic (1984-1990). *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 35 (2): 470-472.
- Mejuto, J., and J. J. Hoey. 1991. An approach to a stock hypothesis for the swordfish (*Xiphias gladius*) of the Atlantic Ocean. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 35 (2): 482-501.
- Miyake, P. M. 1990a. History of the ICCAT tagging program, 1971-1986. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), *Fish-Marking Techniques*, Amer. Fish. Soc., Symp., 7: 746-764.
- Miyake, P. M. 1990b. Notes on the data base for the highly migratory species in the Mediterranean. *Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap.*, 33: 185-191.
- Miyake, Peter M., and J. C. Rey. 1989. Status of Atlantic broadbill swordfish stocks. In Stroud, Richard H. (editor), *Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 1: Fishery and Stock Synopses, Data Needs and Management*, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 115-136.
- Murray, Talbot. 1990. Fish-Marking techniques in New Zealand. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), *Fish-Marking Techniques*, Amer. Fish. Soc., Symp., 7: 737-745.
- Musyl, Michael K., Lianne M. McNaughton, J. Yonat Swimmer, and Richard W. Brill. 2004. Convergent evolution of vertical movement behavior in swordfish, bigeye tuna, and bigeye thresher sharks: vertical niche partitioning in the pelagic environment as shown by electronic tagging studies. PFRP [Pelagic Fisheries Research Program, University of Hawaii at Manoa], 9 (4): 1-4.
- National Marine Fisheries Service. 1982. Review of United States fisheries and research activities on tunas and tuna-like fishes of the Atlantic Ocean for 1980-1981. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1980-1981, Part 2*: 256-261.
- National Marine Fisheries Service. 1985. National report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1984-1985, Part 1*: 280-283.
- National Marine Fisheries Service. 1986. National report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1984-1985, Part 2*: 281-284.
- National Marine Fisheries Service. 1987. National report of the U.S.A. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1986-1987, Part 1*: 304-306.
- National Marine Fisheries Service. 1988. National report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1986-87, Part 2*: 287-293.
- National Marine Fisheries Service. 1989. National report of the United States. *Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1988-89, Part 1*: 319-328.

- National Marine Fisheries Service. 1990. National report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1988-89, Part 2: 413-431.
- National Marine Fisheries Service. 1991. National report of the United States: 1990. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1990-91, Part 1: 439-450.
- National Marine Fisheries Service. 1992. National report of the United States: 1991. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1990-91, Part 2: 281-290.
- National Marine Fisheries Service (NMFS). 1993. National Report of the United States: 1992. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1992-93, Part I: 369-375.
- National Oceanic and Atmospheric Administration. 1975. United States report on fisheries and research of Atlantic tuna and tuna-like fishes, 1973. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1974-1975, Part 1: 195-200.
- National Oceanic and Atmospheric Administration. 1976. Review of United States fisheries and research activities on tuna and tuna-like fishes of the Atlantic Ocean for 1974-1975. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1974-1975, Part 2: 218-223.
- Naughton, John J. 1973. Investigations of billfish biology of the Hawaiian international billfish tournament. Mar. Fish. Rev., 35 (8): 19-25.
- Ortiz, Mauricio, Eric D. Prince, Joseph E. Serafy, David B. Holts, Kay B. Davy, Julian G. Pepperell, Michael B. Lowry, and John C. Holdsworth. 2003. Global overview of the major constituent-based billfish tagging programs and their results since 1954. Mar. Fresh. Res., 54 (4): 489-507.
- Palko, B. J., G. L. Beardsley, and W. J. Richards. 1981. Synopsis of the biology of the swordfish, *Xiphias gladius* Linnaeus. U.S. Nat. Mar. Fish. Serv., Circ., 441: iv, 21 pp.
- Peel, E. M., J Rice, M. Ortiz, and C. D. Jones. 1998. A summary of the Billfish Foundation's tagging program (1990-1996). Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 47: 323-327.
- *Pepperell, Julian G. 1981. Use of tagging data to study some aspects of the biology of the black marlin *Makaira indica* on the east coast of Australia. West. Assoc. Fish. Wild. Agencies, An. Conf., Proc., 61: 75-87.
- Pepperell, Julian G. 1985. Cooperative game fish tagging in the Indo-Pacific region. In Stroud, Richard H. (editor), World Angling Resources and Challenges, Proceedings of the First World Angling Conference, Cap d' Agde, France, September 12-18, 1984, International Game Fish Association, Fort Lauderdale, Florida: 241-252.
- Pepperell, J. G. 1989. Tags used in cooperative tagging programs: pros and cons. Australian Society for Fish Biology Tagging Workshop, Proceedings, No. 5: 54-55.
- Pepperell, Julian G. 1990a. Movements and variations in early year-class strength of black marlin (*Makaira indica*) off eastern Australia. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 2: Contributed Papers, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 51-66.

- Pepperell, Julian G. 1990b. Australian cooperative game-fish tagging program, 1973-1987: status and evaluation of tags. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), Fish-Marking Techniques, Amer. Fish. Soc., Symp., 7: 765-774.
- Pepperell, Julian. 2000. The Pacific billfish fisheries. In Hinman, Ken (editor), Getting Ahead of the Curve: Conserving the Pacific Ocean's Tunas, Swordfish, Billfishes and Sharks, National Coalition for Marine Conservation, Symposium 16: 62-71.
- Pepperell, J. G., and T. L. O. Davis. 1999. Post-release behaviour of black marlin, *Makaira indica*, caught off the Great Barrier Reef, with sport-fishing gear. Mar. Biol., 135 (2): 369-380.
- Pepperell, Julian, and Kim Holland. 1992. Ultrasonic tracking of tuna and billfish. Austral. Fish., 51 (6): 26-28.
- Pimenta, E. G. F. R. Marquez, C. S. Lima, and A. F. Amorim. 2001. Marlin project: tag-and-release, biometrics and stomach content of billfish in Cabo Frio City, Rio de Janeiro, Brazil. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 53: 371-375.
- Porter, J. M., and C. J. Allen. 1998. National report of Canada. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1996-1997, Part II, Vol. 2: 186-191.
- Porter, J. M., and C. J. Allen. 2000. National report of Canada. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1998-1999, Part II, Vol. 1: 204-211.
- Porter, J. M., M. Calcutt, and C. J. Allen. 2002. National report of Canada. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part II, Vol. 1: 429-436.
- Prince, E. D. 1990. Progress of the ICCAT Enhanced Research Program for Billfish in the west Atlantic during 1989. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 32 (2): 394-397.
- Prince, E. D. 1991. Progress of the Enhanced Research Program for Billfish in the western Atlantic during 1990. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 35 (1): 69-72.
- Prince, E. D. 1992. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1991. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 39 (3): 637-639.
- Prince, E. D. 1994. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1993. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 42 (2): 358-361.
- Prince, E. D. 1995. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1994. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 44 (3): 6-8.
- Prince, E. D. 1996. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1995. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 45 (2): 308-310.
- Prince, E. D. 1998. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1997. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap.,

48 (1): 269-271.

- Prince, E. D. 1999. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1998. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 49 (1): 490-493.
- Prince, Eric D. 2000. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 1999. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 51: 904-909.
- Prince, Eric D. 2001. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 2000. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 52: 1498-1501.
- Prince, E. D. 2003. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 2002. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 55 (2): 688-691.
- Prince, Eric D. 2004. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 2003. Inter. Comm. Conserv. Atlan. Tunas, Coll. Vol. Sci. Pap., 56 (1): 226-229.
- Prince, Eric D. 2005. Progress of the ICCAT Enhanced Research Program for Billfish in the western Atlantic Ocean during 2004. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 58 (5): 1563-1566.
- Prince, Eric D., Robert K. Cowen, Eric S. Orbesen, Stacy A. Luthy, Joel K. Llopiz, David E. Richardson, and Joseph E. Serafy. 2005. Movements and spawning of white marlin (*Tetrapturus albidus*) and blue marlin (*Makaira nigricans*) off Punta Cana, Dominican Republic. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 103 (4): 659-669.
- Prince, Eric D., and Mark I. Farber. 2000. Coordination of the ICCAT Enhanced Research Program for Billfish (ERPB), 1997-1998: progress and future needs. Gulf Carib. Fish. Inst., Proc., 51: 587-601.
- Prince, Eric D., Dennis W. Lee, Charles A. Wilson, and John M. Dean. 1986. Longevity and age validation of a tag-recaptured Atlantic sailfish, *Istiophorus platypterus*, using dorsal spines and otoliths. U.S. Nat. Mar. Fish. Serv., Fish. Bull., 84 (3): 493-502.
- Prince, Eric D., Mauricio A. Ortiz, David Rosenthal, Arietta Venizelos, and Kay Davy. 2001. An update of the tag release and recapture files for Atlantic Istiophoridae. Inter. Comm. Cons. Atlan. Tunas, Coll. Col. Sci. Pap., 53: 198-204.
- Prince, Eric D., Mauricio Ortiz, Arietta Venizelos, and David S. Rosenthal. 2002. In-water conventional tagging techniques developed by the Cooperative Center for Large, Highly Migratory Species. Amer. Fish. Soc., Symposium, 30: 155-171.
- Prince, Eric D., Carlos Rivero, Joseph E. Serafy, Clay Porch, Gerald P. Scott, and Kay B. Davy. 2003. An update of the tag release and recapture files for Atlantic white marlin. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 55 (2): 578-593.
- Restrepo, V. 1990. An update of swordfish tagging data for use in growth analysis. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 32 (2): 360-370.

- Richards, William J. 1988. Research accomplishments of the NMFS Southeast Fisheries Center. Mar. Fish. Rev., 50 (4): 77-94.
- Rivas, L. R. 1975. Synopsis of biological data on blue marlin, *Makaira nigricans* Lacépède, 1802. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (3): 1-16.
- Saito, Hirokazu, Yukio Takeuchi, and Kotaro Yokawa1. 2004. Vertical distribution of Atlantic blue marlin obtained from pop-up archival tags in the tropical Atlantic Ocean. Inter. Comm. Conserv. Atlan. Tunas, Coll. Vol. Sci. Pap., 56 (1): 201-211.
- Sakagawa, Gary T. 1988. Stock structure of blue marlin, *Makaira nigricans*, populations. Indo-Pacif. Tuna Develop. Manag. Prog. (GEN/13): 116-121.
- *Saul, Peter. 1977. Gamefish tagging programme in the Pacific. Catch '77 [Ministry of Agriculture and Fisheries, New Zealand], 4 (9): 9.
- Saul, Peter, and John Holdsworth. 1992. Cooperative gamefish tagging in New Zealand waters, 1975-1990. New Zealand Fish., Tech. Rep., 33: 24 pp.
- Scott, Edwin L., Eric D. Prince, and Carole D. Goodyear. 1990. History of the cooperative game fish tagging program in the Atlantic Ocean, Gulf of Mexico, and Caribbean Sea, 1954-1987. In Parker, Nick, Albert E. Giorgi, Roy C. Heidinger, Douglas B. Jester, Jr., Eric D. Prince, and Gary A. Winans (editors), Fish-Marking Techniques, Amer. Fish. Soc., Symp., 7: 841-853.
- Sedberry, G. R., and J. K. Loefer. 2001. Satellite telemetry tracking of swordfish, *Xiphias gladius*, off the eastern United States. Mar. Biol., 139 (2): 355-360.
- de la Serna, J. M., and E. Alot. 1992. Nota sobre las actividades de marcado de pez espada (*Xiphias gladius*) en el Mediterraneo occidental durante el año 1990. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 39 (2): 538-539.
- de la Serna, J. M., and E. Alot. 1993. Resultados de la campaña de marcado de pez espada (*Xiphias gladius*) realizada en el Mediterráneo en el año 1991. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 40 (1): 113-115.
- de la Serna, J. M., and E. Alot. 1994. Resultados de la campaña de marcado de pez espada (*Xiphias gladius*) realizada en el Mediterraneo en año 1991. FAO Fish. Rep., 494: 102-106.
- Shomura, Richard S. 1988. Migration patterns of tuna in the Pacific. In E. K. Datta (editor), Proceedings of Pacific Basin Management of the 200-Nautical Mile Exclusive Economic Zone. A Partnership of Government and Private Sectors. Pacific Basin Development Council: 183-189.
- Skillman, Robert A. 1989. Stock identification and billfish management. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 1: Fishery and Stock Synopses, Data Needs and Management, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 207-214.
- Skomal, Gregory B., and Bradford B. Chase. 2002. The physiological effects of angling on post-release survivorship in tunas, sharks, and marlin. Amer. Fish. Soc., Symposium, 30: 135-138.

- Southeast Fisheries Center. 1987. Report of the swordfish assessment workshop. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 26 (2): 339-395.
- Spanish Institute of Oceanography. 1993. National Report of Spain. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1992-1993, Part I: 367-368.
- Speare, Peter. 1992. A technique for tetracycline injecting and tagging billfish. Bull. Mar. Sci., 51 (2): 197-203.
- Speare, Peter, and David Williams. 1992. How old is a 1000 lb black marlin? Austral. Fish., 51 (6): 37-39.
- Sperling, A. Tal, John D. Neilson, Erin H. Carruthers, Heath H. Stone. 2005. Compilation and analyses of Canadian conventional tagging data for swordfish (*Xiphias gladius*), 1961-2004. Inter. Comm. Cons. Atlantic Tunas, Coll. Vol. Sci. Pap., 58 (4): 1483-1494.
- Squire, James L., Jr. 1974. Migration patterns of Istiophoridae in the Pacific Ocean as determined by cooperative tagging programs. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (2): 226-237.
- Squire, James L., Jr. 1987. Striped marlin, *Tetrapturus audax*, migration patterns and rates in the northeast Pacific Ocean as determined by a cooperative tagging program: its relation to resource management. Mar. Fish. Rev., 49 (2): 26-43.
- Squire, J. L., and D. W. K. Au. 1990. Striped marlin in the northeast Pacific—a case for local depletion and core area management. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 2: Contributed Papers, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 199-214.
- Squire, James L., Jr., and Daphne V. Neilson. 1983. Results of a tagging program to determine migration rates and patterns for black marlin, *Makaira indica*, in the southwest Pacific Ocean. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-772: iii, 19 pp.
- Squire, James L., and Ziro Suzuki. 1990. Migration trends of striped marlin (*Tetrapturus audax*) in the Pacific Ocean. In Stroud, Richard H. (editor), Planning the Future of Billfishes: Research and Management in the 90s and Beyond. Proceedings of the Second International Billfish Symposium, Kailua-Kona, Hawaii, August 1-5, 1988, Part 2: Contributed Papers, National Coalition for Marine Conservation, Inc., Savannah, Georgia: 67-80.
- Stone, Heath H. 2000. Update on the Canadian juvenile swordfish tagging program. Inter. Comm. Cons. Atlan. Tunas, Coll. Vol. Sci. Pap., 51: 1470-1479.
- Strasburg, Donald W. 1969. Billfishes of the central Pacific Ocean. U.S. Fish Wild. Serv., Circ., 311: 11 pp.
- Strasburg, Donald W. 1970. A report on the billfishes of the central Pacific Ocean. Bull. Mar. Sci., 20 (3): 575-604.
- Suzuki, Ziro, 2001. A note on the stock assessments results of the fourth ICCAT billfish workshop held in Miami, Florida, July 18-28, 2000. Inter. Comm. Cons. Atlan. Tunas, Coll. Col. Sci. Pap., 52: 1522-1524.

- de Sylva, Donald P. 1957. Studies on the age and growth of the Atlantic sailfish, *Istiophorus americanus* (Cuvier), using length-frequency curves. Bull. Mar. Sci. Gulf Carib., 7 (1): 1-20.
- Takahashi, Masanori, Tomio Urakawa, Fumiko Kasahara, and Atsuko Kanda. 1988. JAMARC's activities on tagging of tunas in Indian Ocean. Indo-Pacif. Tuna Develop. Manag. Prog., Coll. Vol. Work. Doc., 3: 208-223.
- Takahashi, Mio, Hiroshi Okamura, Kotaro Yokawa, and Makoto Okazaki. 2003. Swimming behaviour and migration of a swordfish recorded by an archival tag. Mar. Fresh. Res., 54 (4): 527-534.
- Taucher, Curt. 1987. DFG tackles marlin tagging project. Outdoor California, 48 (5): 17-18.
- Tibbo, S. N., and J. S. Beckett. 1971. Canadian research report, 1969-70. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1970-1971, Part 2: 85-89.
- Tibbo, S. N., and J. S. Beckett. 1972. Canadian research activities on tunas and tuna-like fishes in the Atlantic Ocean, 1970-71. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1970-1971, Part 3: 148-151.
- Tibbo, S. N., and J. S. Beckett. 1973. Canadian research report, 1971-1972. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1972-1973, Part 1: 118-120.
- Tibbo, S. N., and J. S. Beckett. 1974. Canadian research report, 1972-73. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1972-1973, Part 2: 149-152.
- U.S. Department of Commerce. 1994. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1992-93, Part II: 387-395.
- U.S. Department of Commerce. 1995. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1994-1995, Part I, Vol. 1: 265-276.
- U.S. Department of Commerce. 1996. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1994-1995, Part II, Vol. 2: 216-231.
- U.S. Department of Commerce. 1998. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1996-1997, Part II, Vol. 2: 243-254.
- U.S. Department of Commerce. 1999. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1998-1999, Part I, Vol. 2: 274-286.
- U.S. Department of Commerce. 2000. National Report of the United States, 1999. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 1998-1999, Part II, Vol. 1: 286-304.
- U.S. Department of Commerce. 2001. National Report of the United States. Inter. Comm. Cons. Atlan. Tunas, Rep. Biennial Period, 2000-01, Part I, Vol. 1: 421-438.
- Ueyanagi, Shoji, and Paul G. Wares. 1975. Synopsis of biological data on striped marlin, *Tetrapturus audax* (Philippi). U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep., NMFS SSRF-675 (3): 132-159.
- Uozumi, Yuji. 2003. Historical perspective of global billfish stock assessment. Mar. Fresh. Res., 54 (4): 555-565.
- Ward, P., J. M. Porter, and S. Elscot. 2000. Broadbill swordfish: status of established fisheries

- and lessons for developing fisheries, *Fish and Fisheries*, 1 (4): 317-336.
- Watkins, Diana. 1987. Tuna tagging update. *Austral. Fish.*, 46 (12): 46-48.
- Williams, Dave, Albert Caton, Julian Pepperell, and Peter Ward. 1993. Striped marlin *Tetrapturus audax*. In Kailola, Patricia, Meryl J. Williams, Phillip C. Stewart, Russell E. Reichelt, Alex McNee, and Christina Grieve (editors), *Australian Fisheries Resources*, Bureau of Resource Sciences, Department of Primary Industries and Energy, and the Fisheries Research and Development Corporation, Canberra, Australia: 378-380.
- Wise, John P., Grant L. Beardsley, Jr., and Frank J. Mather, III. 1971. United States research report to the first regular meeting of the ICCAT council, 1970. Inter Comm. Cons. Atlan, Tunas, Rep. Biennial Period, 1970-1971, Part 2: 117-120.
- Witzell, W. N., and E. L. Scott. 1990. Blue marlin, *Makaira nigricans*, movements in the western North Atlantic Ocean: results of a cooperative game fish tagging program, 1954-88. *Mar. Fish. Rev.*, 52 (2): 12-17.
- Yuen, Heeny S. H., Andrew E. Dizon, and James H. Uchiyama. 1974. Notes on the tracking of the Pacific blue marlin, *Makaira nigricans*. U.S. Nat. Mar. Fish. Serv., NOAA Tech. Rep. NMFS SSRF-675 (2): 265-268.

*not seen

BILLFISH NEWSLETTERS

The Billfish Newsletters of the Southwest Fisheries Science Center of the U.S. National Marine Fisheries Service contain considerable information on billfish tagging. The Billfish Newsletters for 1995-2002 can be viewed at <http://swfsc.ucsd.edu/billfish.html>, and that for 2004 can be viewed at <http://www.themarlinclub.com/2005/2004BillfishNewsletter.htm>.

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