SHARKS:
BIOLOGY AND FISHERIES
Individual papers should be cited in the following format, or as near to this format as is consistent with the requirements of other journals:

Contents

Introduction. Julian G. Pepperell

Preliminary observations on the biology of the white shark, *Carcharodon carcharias*, in South Australian waters. B. D. Bruce 1

Movements and associated observations of bait-attracted white sharks, *Carcharodon carcharias*: a preliminary report. Wesley R. Strong Jr, Richard C. Murphy, Barry D. Bruce and Donald R. Nelson 13

Review of the biology of the tiger shark (*Galeocerdo cuvier*). John E. Randall 21

Biology of tiger sharks (*Galeocerdo cuvier*) caught by the Queensland Shark Meshing Program off Townsville, Australia. Colin Simpfendorfer 33

Tagging Studies on the shortfin mako shark (*Isurus oxyrinchus*) in the western North Atlantic. John G. Casey and Nancy E. Kohler 45

Tracking coastal sharks with small boats: hammerhead shark pups as a case study. K. N. Holland, C. G. Lowe, J. D. Peterson and A. Gill 61

Reproductive strategy of the Australian sharpsnout shark, *Rhizoprionodon tayleri* (Elasmobranchii: Carcharhinidae), from Cleveland Bay, northern Queensland. Colin A. Simpfendorfer 67

Reproductive biology of the bigeye thresher shark, *Alopias superciliosus* (Lowe, 1839). Juan A. Moreno and Julio Morón 77

Diets of sharks from estuaries and adjacent waters of the north-eastern Gulf of Carpentaria, Australia. J. P. Salini, S. J. M. Blaber and D. T. Brewer 87

Electrophoretic analysis of phylogenetic relationships among Australian Carcharhinid sharks. Shane Lavery 97

Comparative study of the genus *Isurus* (Rafinesque, 1810), and description of a form ('Marrajo Criollo') apparently endemic to the Azores. Juan A. Moreno and Julio Morón 109

Functional aspects of placoid scales: a review and update. W. Raschi and C. Tabit 123

Tendon structure of the caudal fin in the blue shark, *Prionace glauca*. E. D. Keithan, J. Y. Ma and W. Raschi 149

Re-examination of the fine structure of endoskeletal mineralization in chondrichthyans: implications for growth, ageing and calcium homeostasis. J. G. Clement 157

Demography of the central California population of the leopard shark (*Triakis semifasciata*). Gregor M. Cailliet 183

Fishery simulation model for sharks applied to the gummy shark, *Mustelus antarcticus* Günther, from southern Australian waters. Terence I. Walker 195
Trends in the distribution, species composition and size of sharks caught by gamefish anglers off south-eastern Australia, 1961–90. Julian G. Pepperell 213

Blue and mako shark by-catch in the Japanese longline fishery off south-eastern Australia. J. D. Stevens 227

Preliminary results of a study into the incidental mortality of sharks in gill-nets in two Tasmanian shark nursery areas. Howel Williams and Alex H. Schaap 237

Economics of resource conservation in a commercial shark fishery. David Campbell, Tony Battaglene and Walter Shafron 251

Protection against shark attack in South Africa, 1952–90. Geremy Cliff and Sheldon F. J. Dudley 263

Long-term studies of serum concentrations of reproductively related steroid hormones in individual captive carcharhinids. L. E. L. Rasmussen and Frank L. Murru 273

Assessment of catches from protective shark meshing off New South Wales beaches between 1950 and 1990. D. D. Reid and M. Krogh 283

Growth, age estimation and feeding of captive sevengill sharks, Notorynchus cepedianus, at the Monterey Bay Aquarium. Gilbert Van Dykhuizen and Henry F. Mollet 297

A new record extending the southerly distribution of the shark ray (Rhina ancylostomus), and notes on the behaviour of the specimen in captivity. Ian Gordon 319

Capture and transportation of elasmobranchs, with emphasis on the grey nurse shark (Carcharias taurus). Mark F. L. Smith 325