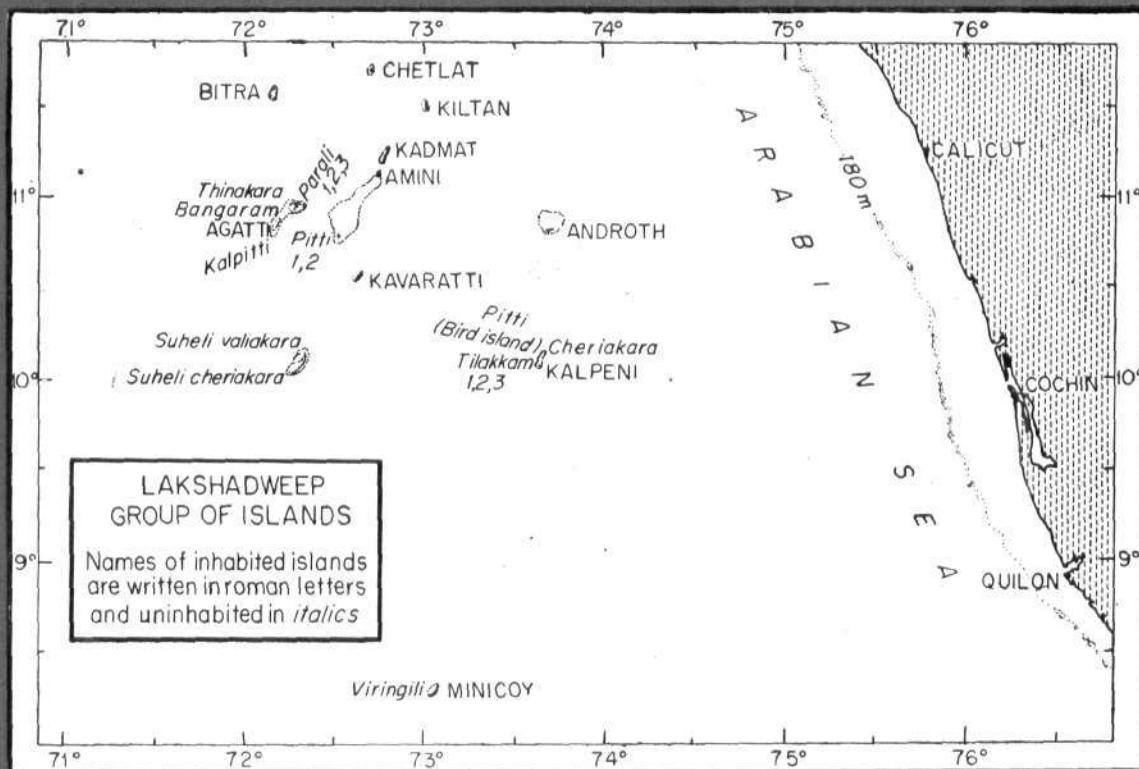




MARINE FISHERIES INFORMATION SERVICE

SPECIAL ISSUE ON LAKSHADWEEP



No. 68
JULY, 1986

Technical and Extension Series
CENTRAL MARINE FISHERIES RESEARCH INSTITUTE
COCHIN, INDIA

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

THE MARINE FISHERIES INFORMATION SERVICE: Technical and Extension Series envisages the rapid dissemination of information on marine and brackish water fishery resources and allied data available with the National Marine Living Resources Data Centre (NMLRDC) and the Research Divisions of the Institute, results of proven researches for transfer of technology to the fish farmers and industry and of other relevant information needed for Research and Development efforts in the marine fisheries sector.

Abbreviation - *Mar. Fish. Infor. Serv. T & E Ser.*, No. 68: 1986

BIBLIOGRAPHY OF MARINE BIOLOGICAL AND FISHERIES RESEARCH IN LAKSHADWEEP*

(References cited in the articles are also included)

- ALCOCK, A. 1894. An account of a recent collection of bathybial fishes from the Bay of Bengal and from the Laccadive Sea. *J. Asiat. Soc., Beng.*, 63: 115-137.
- ALCOCK, A. 1895-1900. Material for a carcinological fauna of India. *Ibid.*, 64 (2): 157-291; 65 (2): 134-296; 67 (1): 67-233; 68 (2): 1-104, 123-169; 69 (2): 279-486.
- ALCOCK, A. 1902. *A naturalist in Indian seas; or four years with the Royal Indian Marine Survey Ship "Investigator"*. John Murray, London: 328 pp.
- ALCOCK, A. W. 1890. On the bathybial fishes of the Arabian Sea obtained during the season 1889-1890. *Ann. Mag. nat. Hist.*, (6) 6: 295-311.
- ALCOCK, A. W. 1892. On the bathybial fishes collected during the season, 1891-'92. *Ibid.*, (6) 10: 345-365.
- ALCOCK, A. W. 1898. A note on the deep-sea fishes, with descriptions of some new genera and species, including another probably viviparous Ophidoid. *Ibid.*, (7) 2: 136-156.
- ALCOCK, A. W. 1899. *A descriptive catalogue of the deep-sea fishes in the Indian Museum collected by the Royal Indian Marine Survey Ship, "Investigator"*. Calcutta: 1-222.
- ALCOCK, A. W. 1900. *Illustrations of the zoology of the Royal Indian Marine Survey Ship, "Investigator"*. Fishes, Part VII, 4 to., Calcutta.
- ALI, D. M. 1983. *Fish catching methods in Minicoy Island*. M.Sc. Thesis, C.I.F.E., Bombay. (Unpub.).
- ANON. 1979. *A report of survey of marine algal resources of Lakshadweep - 1977-'79*. Cent. Salt & Mar. Ch. Res. Inst: 48 pp.
- ANON. 1984. *The coral paradise*. Planning Secretariate, Kavaratti. Govt. Press, Kavaratti: 51 pp.
- ANSARI, Z. A. 1980. Benthic micro- and macrofauna of seagrass (*Thalassia hemprichii*) bed at Minicoy, Lakshadweep. *Indian J. Mar. Sci.*, 13 (3): 126-127.
- APPUKUTTAN, K. K. 1973. Distribution of coral boring bivalves along the Indian coasts. *J. mar. biol. Ass. India*, 15 (1): 429-432.
- APPUKUTTAN, K. K., P. N. RADHAKRISHNAN NAIR AND K. K. KUNHIKOYA 1977. Studies on the fishery and growth rate of oceanic skipjack *Katsuwonus pelamis* (Linnaeus) at Minicoy Island from 1966-1969. *Indian J. Fish.*, 24 (1 & 2): 33-47.
- AYYANGAR, S. R. 1922. Notes on the fauna and fishing industries of the Laccadives. *Madras Fish. Bull.*, 15: 45-69.
- BALAN, V. 1958. Notes on a visit to certain islands of the Laccadive Archipelago, with special reference to fisheries. *J. Bombay nat. Hist. Soc.*, 55 (2): 297-306.
- BANERJI, S. K. 1973. An assessment of the exploited pelagic fisheries of the Indian seas. *Proc. Symp. Living resources of the seas around India*. Cent. Mar. Fish. Res. Inst., Cochin: 114-136. Also *Abstracts*: 3 (1968).
- BELL, F. J. 1903. The actinogonidiate echinoderms of the Maldives and Laccadive islands. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Malidive and Laccadive Archipelagoes*, 1: 223-233, Cambridge Univ. Press, Cambridge.

* Ellis (1924), Maloney (1980) and Mannadiar (1977) may be consulted for references relating to the archeology, administration, socio-religious customs, trade etc. of the islands.

- BELL, H.C.P. 1940. *The Maldives Islands: Monograph on the history, archaeology and epigraphy*. Govt. Press, Colombo.
- BEN-YAMI, M. 1980. Tuna fishing with pole and line. *FAO Fishing Manual*, 150 pp., Fishing News Books Ltd., England.
- BETTS, F. N. 1938. The birds of the Laccadive islands. *J. Bombay nat. Hist. Soc.*, 40 (3): 382-387.
- BHASKAR, S. 1984. The distribution and status of sea turtles in India. *Proc. Workshop on Sea Turtle Conservation*, 27-29 Feb., 1984, Madras: 22-35.
- BHATTATHIRI, P. M., AND V. P. DEVASSY 1979. Biological characteristics of the Laccadive Sea. In: *The Laccadive Sea (Lakshadweep)*, NIO Technical Reports: 182 pp.
- BOIEVERT, W. S. 1966. Ocean currents in the Arabian Sea and north-west Indian Ocean - Special Publication - 92, US Naval Oceanographic Office, Washington D.C., 29.
- BOLIN, R. F. 1964. Lantern fishes from *Investigator* Station 670, Indian Ocean. *Stanford Ichth. Bull.*, 3: 137-152.
- BORRADAILE, L. A. 1903a. Marine crustaceans. II. Portunidae. In: J. S. Gardiner, (Ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1: 199-208. Cambridge Univ. Press., Cambridge.
- BORRADAILE, L. A. 1903b. Marine crustaceans. III. The Xanthidae and some other crabs. *Ibid*: 237-271.
- BORRADAILE, L. A. 1903c. Marine crustaceans. V. The crabs of the Catometope families. *Ibid*: 429-433.
- BORRADAILE, L. A. 1903d. Marine crustaceans. VI. The sand crabs (Oxystomata). *Ibid*: 434-439.
- BORRADAILE, L. A. 1903e. Marine crustaceans. VII. The barnacles (Cirripedia). *Ibid*: 440-443.
- BORRADAILE, L. A. 1906a. Marine crustaceans. IX. The sponge crabs (Dromiacea). *Ibid*: 2: 574-578.
- BORRADAILE, L. A. 1906b. Marine crustaceans. X. The spidercrabs (Oxyrhyncha). *Ibid*: 681-690.
- BORRADAILE, L. A. 1906c. Marine crustaceans. XIII. The Hippidae, Thalassinidea and Scyllaridea. *Ibid*: 750-754.
- BORRADAILE, L. A. 1906d. Hydroids. *Ibid*: 836-845.
- BROWNE, E. T. 1906a. Scyphomedusae, with a revision of the Williidae and Petasidae. *Ibid*: 722-749.
- BROWNE, E. T. 1906b. Scyphomedusae. *Ibid*: 958-971.
- BURTON, R. W. 1940. A visit to the Laccadive Islands. *J. Bombay nat. Hist. Soc.*, 41 (3): 489-513.
- CHANDRAN, E. T. 1980. *Handling and processing of sharks in India (Lakshadweep)*. M.Sc. Thesis, C.I.F.E., Bombay, 100 pp. (Unpub.).
- CHAPMAN, F. C. 1895. On some Foraminifera obtained by the Royal Indian Marine Survey's S. S. *Investigator* from the Arabian Sea near the Laccadive Islands. *Proc. Zool. Soc. London*: 4-55.
- COOPER, C. F. 1903. Cephalochorde. I. Systematic and anatomical account. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1: 347-360, Cambridge Univ. Press, Cambridge.
- COOPER, C. F. 1906. Antipatharia. *Ibid.*, 2: 791-796.
- COOPER, L.H.N. 1957. Some chemical and physical factors controlling the biological productivity of temperate and tropical oceanic waters. *Proc. 8th Pacific Sci. Congr., Philippines*, 3 A: 1157-1163.
- COUTIERE, H. 1903. Note sur quelques Alpheidae des Maldives et Laquedives. *Bulletin de la Societe Philomathique de Paris*, 9 (5): 72-90.
- COUTIERE, H. 1905. Sur les Alpheidae des Laquedives et des Maldives. *Competes Rendus hedomadaires des Seances de l'Academie des Sciences*, 140: 736-738.

- COUTIERE, H. 1906. Lés Alphéidae. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 2: 852-921, Cambridge Univ. Press, Cambridge.
- DOHERTY, P. J. 1983. Diel, lunar and seasonal rhythms in the reproduction of two tropical damsel fishes. *Mar. Biol.*, 75: 215-224.
- ELLIS, R. H. 1924. *A short account of the Laccadive Islands and Minicoy*. Govt. Press, Madras: iv + 122 pp.
- ELIOT, C. 1906. Nudibranchiata, with some remarks on the families and genera and description of a new genus, *Doridomorpha*. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 2: 540-573, Cambridge Univ. Press, Cambridge.
- ELLIOT, H.F.J. 1972. Island ecosystems and conservation with particular reference to the biological significance of islands of the Indian Ocean and consequential research and conservation needs. *J. mar. biol. Ass. India*, 14 (2): 578-608.
- GARDINER, J. S. 1900. The atoll of Minicoy. *Proc. Camb. Phil. Soc. biol. Sci.*, 11 (1): 22-26.
- GARDINER, J. S. 1903a. Introduction. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 1: 1-11, Cambridge Univ. Press, Cambridge.
- GARDINER, J. S. 1903b. The Maldive and Laccadive groups with notes on other coral formations in the Indian Ocean. *Ibid.*: 12-50, 146-183, 313-346, 376-423.
- GARDINER, J. S. 1906a. Madreporaria. I-IV. Introduction with notes on variation; II. Astraeidae, 754-790; III. Fungidae; IV. Turbinolidae, 933-957. *Ibid.*
- GARDINER, J. S. 1906b. Lagoon deposits, *Ibid.*, 2: 581-583.
- GARDINER, J. S. 1906c. Notes on the distribution of the land and marine animals with a list of the coral reefs. *Ibid.*, 1046-1057.
- GEORGE, K. C., P. A. THOMAS, K. K. APPUKUTTAN AND G. GOPAKUMAR 1986. Ancillary living marine resources of Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, 68: 45-50.
- GEORGE, P. C., B. T. ANTONY RAJA AND K. C. GEORGE 1977. Fishery resources of the Indian Economic Zone. *Silver Jubilee Souvenir, IFP*; 79-116.
- GLENNIE, A. A. 1936. A report on the values of gravity in the Maldive and Laccadive Islands. *Scient. Rep. John Murray Exped.*, 1: 95-106.
- GOSWAMY, S. C. 1973. Observations on some planktonic groups of Kavaratti Atoll (Laccadives). *Indian nat. Sci. Acad.*, 391 (6): 676-686.
 - GOSWAMY, S. C. 1979. Zooplankton studies in the Laccadive Sea (Lakshadweep). *NIO Tech. Rept.*, 180 pp.
 - GOSWAMY, S. C. 1983. Production and zooplankton community structure in the lagoon and surrounding sea at Kavaratti Atoll (Lakshadweep). *Indian J. Mar. Sci.*, 12: 31-34.
- HANEFAKOYA, C. L. 1982. *Ray fishing of the Kalpeni Island of the Lakshadweep group of islands*. M.Sc. Thesis, C.I.F.E., Bombay. (Unpub).
- HORNELL, J. 1910. Report on the results of the fishery cruise along the Malabar coast and the Laccadive Islands in 1908. *Madras Fish. Bull.*, 4: 71-126.
- HORNELL, J. 1946. *Water Transport: Origin and early evolution*. Cambridge Univ. Press, Cambridge.
- HORNELL, J. 1950. *Fishing in many waters*. Cambridge University Press, Cambridge.
- HOYLE, W. E. 1906. The Cephalopoda. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldive and Laccadive Archipelagoes*, 2: 975-988, Cambridge Univ. Press, Cambridge.
- INNES AND EVANS 1951. *Malabar District Gazetteer*. Madras Govt. Press.
- JAGTAP, T. G. AND A. G. UNTAWALE 1984. Chemical composition of marine macrophytes and their surrounding water and sediment from Minicoy, Lakshadweep. *Indian J. Mar. Sci.*, 13 (3): 123-125.

- JAMES, D. B. 1969. Catalogue of echinoderms in the reference collections of the Central Marine Fisheries Research Institute. *Bull. cent. Mar. Fish. Res. Inst.*, No. 7: 51-62.
- JAMES, D. B. 1973a. *Beche-de-mer* resources of India. *Proc. Symp., Living resources of seas around India*: 706-711.
- JAMES, D. B. 1973b. Studies on Indian echinoderms-5. New and little known starfishes from the Indian seas. *J. mar. biol. Ass. India*, 15 (2): 556-559.
- JAMES, D. B. 1980. History of echinodermology of Indian Ocean. *Ibid.*, 18 (2): 298-309.
- JAMES, D. B. 1986a. Zoogeography of shallow-water echinoderms of Indian seas. In: P.S.B.R. James (Ed.), *Recent Advances in Marine Biology*. Today and Tomorrow's Printers and Publishers, New Delhi: 569-591.
- JAMES, D. B. 1986b. The holothurian resources. *R & D. Series No. 10 for marine fishery resources management, CMFRI, Cochin*: 1-4.
- JAMES, P.S.B.R., C. S. GOPINADHA PILLAI, P. P. PILLAI, P. LIVINGSTON AND MADAN MOHAN 1986. Marine fisheries Research in Lakshadweep - A historical resume. *Mar. Fish. Infor. Serv. T & E Ser.*, 68: 7-9.
- JAMES, P.S.B.R., T. JACOB, C. S. GOPINADHA PILLAI AND P. P. PILLAI 1986. Prospects of development of marine fisheries resources in Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, 68: 51-54.
- JAYARAMAN, R., C. P. RAMAMIRTHAM AND K. V. SUNDARARAMAN 1959. The vertical distribution of dissolved oxygen in the deeper waters of the Arabian Sea in the neighbourhood of the Laccadives during the summer, 1959. *J. mar. biol. Ass. India*, 2 (1): 24-34.
- JAYARAMAN, R., C. P. RAMAMIRTHAM, K. V. SUNDADARAMAN AND C. P. ARAVINDAKSHAN NAIR 1960. Hydrography of the Laccadive offshore waters. *Ibid.*, 2 (1): 24-35.
- JONES, S. 1958a. Notes on the frigate mackerels *Auxis thazard* (Lacepede) and *A. tapeinosoma* Bleeker from Indian waters. *Indian J. Fish.*, 5 (1): 189-194.
- JONES, S. 1958b. Tuna live bait fishery of Minicoy Island. *Ibid.*, 5 (2): 300-307.
- JONES, S. 1958c. Notes on eggs, larvae and juveniles of fishes from Indian waters. I. *Xiphias gladius* Linnaeus. *Ibid.*, 5 (2): 357-361.
- JONES, S. 1959a. Notes on eggs, larvae and juveniles of fishes from Indian waters. II. *Istiophorus gladius* (Broussonet). *Ibid.*, 6 (1): 204-210.
- JONES, S. 1959b. Notes on eggs, larvae and juveniles of fishes from Indian waters. III. *Katsuwonus pelamis* (Linnaeus) and IV. *Neothunnus macropterus* (Temminck and Schlegel). *Ibid.*, 6 (2): 360-373.
- JONES, S. 1959c. Research vessel *Kalava* and Co-operative Oceanographic Investigations in Indian waters. *J. mar. biol. Ass. India*, 1 (1): 1-6.
- JONES, S. 1959d. On a juvenile sailfish *Istiophorus gladius* (Broussonet) from the Laccadive Sea. *Ibid.*, 1: 225.
- JONES, S. 1960. Notes on eggs, larvae and juveniles of fishes from Indian waters. V. *Euthynnus affinis* (Cantor). *Indian J. Fish.*, 7 (1): 101-106.
- JONES, S. 1961a. Notes on eggs, larvae and juveniles of fishes from Indian waters. VI. Genus *Auxis* Cuvier. VII. *Sarda orientalis* (Temminck and Schlegel). *Ibid.*, 7 (2): 337-347.
- JONES, S. 1961b. *Spratelloides delicatulus* (Bennett) as a potential live bait for tuna in the Laccadives. *J. mar. biol. Ass. India*, 2 (1): 103-104.
- JONES, S. 1961c. On the snake mackerel, *Gempylus serpens* Cuvier from the Laccadive Sea. *Ibid.*, 2 (1): 85-88.
- JONES, S. 1961d. Further notes on *Spratelloides delicatulus* (Bennett) as a tuna live bait with a record of *S. japonicus* (Houttuyn) from the Laccadive Sea. *Ibid.*, 2 (2): 267-268.
- JONES, S. 1963a. Notes on eggs, larvae and juveniles of fishes from Indian waters. XI. Further observations on the genus *Auxis* Cuvier. *Indian J. Fish.*, 8 (2): 413-421.

- JONES, S. 1963b. Synopsis of biological data on the long corseletted frigate mackerel *Auxis thunnoides* Bleeker, 1855. *FAO Fish. Rep.*, (6) 2: 782-810 (1962).
- JONES, S. 1963c. Synopsis of biological data on the northern bluefin tuna *Kishinoella tonggol* (Bleeker) 1851 (Indian Ocean). *Ibid.*, (6) 2: 862-876 (1962).
- JONES, S. 1963d. The fishery potential of the seas around India. *Souvenir*, Island Seafoods Private Ltd., Cochin: 8-12.
- JONES, S. 1964a. A preliminary survey of the common tuna bait fishes of Minicoy and their distribution in the Laccadive Archipelago. *Proc. Symp. Scomb. fishes, Mar. Biol. Ass. India, Mandapam Camp*, 2: 643-680.
- JONES, S. 1964b. On the introduction of *Tilapia mossambica* (Peters) as a tuna live bait in the island of Minicoy in the Indian Ocean. *Ibid.*: 691-692.
- JONES, S. 1964c. The phenomenal fish mortality in the Arabian Sea in 1957—a speculation on the possible identity of the species concerned. *Ibid.*, 2: 713-718. Also *Abstracts*: 27 (1962).
- JONES, S. 1965. Notes on eggs, larvae and juveniles of fishes from Indian waters. XIV. Further notes on *Xiphias gladius* Linnaeus. *Indian J. Fish.*, 9 (2) A: 525-529.
- JONES, S. 1967a. The scombrid fishery of India—Present and future. *Proc. Symp. Scomb. fishes, Mar. Biol. Ass. India, Mandapam Camp*, 3: 994-1000. Also *Abstracts*: 34 (1962).
- JONES, S. 1967b. Conservation of tuna and bill fish resources of the Indian Ocean. *Ibid.*, 3: 1184-1189. Also *Abstracts*: 46 (1962).
- JONES, S. 1967c. Two decades of marine fisheries research. *Souvenir, 20th Anniv., Cent. Mar. Fish. Res. Inst., Mandapam Camp*: 5-21.
- JONES, S. 1967d. The tuna resources of the Indian Ocean. *Seafood Trade J.*, 2: 103-113.
- JONES, S. 1968. The fishery resources of the Laccadive Archipelago. *Proc. Symp. Living resources of the seas around India*. Cent. Mar. Fish. Res. Inst., Cochin, *Abstracts*: 10 (1968).
- JONES, S. 1969. Catalogue of fishes from the Laccadive Archipelago in the reference collections of the CMFR Institute. *Bull. Cent. Mar. Fish. Res. Inst.*, 8: 1-32.
- JONES, S. 1972. Indo-Norwegian Project and co-operative fishery oceanographic investigations. *Souvenir, Indo-Norwegian Project, Cochin*: 60-83.
- JONES, S. 1986. Lakshadweep—General features and some considerations. *Mar. Fish. Infor. Serv. T & E Ser.*, 68: 3-6
- JONES, S. AND S. K. BANERJI 1973. A review of the living resources of the Central Indian Ocean. *Proc. Symp. Living resources of the seas around India*, Cent. Mar. Fish. Res. Inst., Cochin: 1-17. Also *Abstracts*: 1 (1968).
- JONES, S. AND M. KUMARAN. 1959. The fishing industry of Minicoy Island with special reference to the tuna fishery. *Indian J. Fish.*, 6 (1): 30-54.
- JONES, S. AND M. KUMARAN 1963. Distribution of larval tuna collected by the Carlsberg Foundation's "Dana" Expedition (1928-'30) from the Indian Ocean. *FAO Fish. Rep.*, (6) 3: 1753-1774 (1962).
- JONES, S. AND M. KUMARAN 1964a. Notes on eggs, larvae and juveniles of fishes from Indian waters. XII. *Myripristis murdjan* (Forskal) and XIII. *Holocentrus* sp. *Indian J. Fish.*, 9 (1) A: 155-167 (1962).
- JONES, S. AND M. KUMARAN. 1964b. Eggs, larvae and juveniles of Indian scombrid fishes. *Proc. Symp. Scomb. Fishes, Mar. Biol. Ass. India, Mandapam Camp*, 1: 343-378. Also *Abstracts*: 7 (1962).
- JONES, S. AND M. KUMARAN 1964c. Distribution of larval billfishes (Xiphiidae and Istiophoridae) in the Indo-Pacific with special reference to the collections made by the Danish 'Dana' Expedition. *Ibid.*, 1: 483-498. Also *Abstracts*: 10 (1962).
- JONES, S. AND M. KUMARAN 1964d. On the occurrence of fishes of the family Schindleriidae in the Indian Ocean. *Curr. Sci.*, 33 (5): 145.

- JONES, S. AND M. KUMARAN 1964e. On the fishes of the genus *Schindleria* Giltay from the Indian Ocean. *J. mar. biol. Ass. India*, **6** (2): 257-264.
- JONES, S. AND M. KUMARAN 1964f. New records of fishes from the seas around India—Part I. *Ibid.*, **6** (2): 285-308.
- JONES, S. AND M. KUMARAN 1966. New records of fishes from the seas around India. Pt. II. *Ibid.*, **7** (1): 108-126.
- JONES, S. AND M. KUMARAN 1967a. New records of fishes from the seas around India. Pt. III. *Ibid.*, **7** (2): 381-400.
- JONES, S. AND M. KUMARAN 1967b. Notes on eggs, larvae and juveniles of fishes from Indian waters. XIV. *Pegasus volitans* Linnaeus, XV. *Dactyloptena orientalis* (Cuvier and Valenciennes) and XVI. *Dactyloptena macracanthus* (Bleeker). *Indian J. Fish.*, **11** (1) A: 232-246. Also *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **1**: 1.
- JONES, S. AND M. KUMARAN 1967c. New records of fishes from the seas around India. Pt. IV. *J. mar. biol. Ass. India*, **8** (1): 163-280.
- JONES, S. AND M. KUMARAN 1968. New records of fishes from the seas around India—Part V. *Ibid.*, **9** (1): 1-12 (1967).
- JONES, S. AND M. KUMARAN 1970a. New records of fishes from the seas around India. Part VI. *Ibid.*, **10** (2): 321-331. Also *Adv. Abstr. Contr. Fish. Aquat. Sci. India*, **4** (1): 1.
- JONES, S. AND M. KUMARAN 1970b. New records of fishes from the seas around India—Part VII. *Ibid.*, **12** (1 & 2): 167-196.
- JONES, S. AND M. KUMARAN 1971. Biogeography of the ichthyofauna of the Laccadive Archipelago. *Symp. Indian Ocean and adjacent seas*. Mar. Biol. Ass. India, Cochin, Abstracts: 128.
- JONES, S. AND M. KUMARAN 1980. *Fishes of the Laccadive Archipelago*. Nature Conservation and Aquatic Sciences Service, Trivandrum: 760 pp.
- JONES, S., M. KUMARAN AND M. ALI MANIKFAN 1970. The ichthyofauna of the intertidal zone in the atolls of the Laccadive Archipelago. *Symp. Marine Intertidal Ecology*. Andhra University, Waltair. Abstracts: 7.
- JONES, S. AND E.G. SILAS 1960. Indian Tunas—A preliminary review with a key for their identification. *Indian J. Fish.*, **7** (2): 369-393.
- JONES, S. AND E. G. SILAS 1962. The fishes of the sub-family Scomberomorinae (Family Scombridae) from Indian waters. *Ibid.*, **8** (1): 189-206 (1961).
- JONES, S. AND E. G. SILAS 1963a. Synopsis of biological data on skipjack *Katsuwonus pelamis* (Linnaeus) 1758 (Indian Ocean). *FAO Fish. Rep.*, (6) **2**: 663-694 (1962).
- JONES, S. AND E. G. SILAS 1963b. Tuna and tuna-like fishes from the Indian seas. *Proc. FAO World Sci. Meet., Biol. Tunas/related sp.* 1962, Calif. *FAO Fish. Rep.* **63**: 1775-1796.
- JONES, S. AND E. G. SILAS 1964. A systematic review of the scombrid fishes of India. *Proc. Symp. Scomb. fishes*. Mar. Biol. Ass. India, Mandapam Camp, **1**: 1-106. Also *Abstracts*: 1 (1962).
- JONES, S. AND E. G. SILAS 1968. Tuna and billfish resources of the seas around India. *Symp. Living resources of the seas around India*. Cent. Mar. Fish. Res. Inst., Cochin, Abstracts: 16 (1968).
- JONES, S., E. G. SILAS AND M. KUMARAN 1969. The resident ichthyofauna of the atolls and reefs of the Laccadive Archipelago. *Symp. Corals and coral reefs*. Mar. Biol. Ass. India, Mandapam Camp, Abstracts: 26 (1969).
- KOEHLER, R. AND C. VANNEY 1903. *Entosiphon deimatis*. Nouveau mollusque parasite d'une holothurie à byssale. *Revue Suisse de Zoologie*, **11**: 23-41.
- KOYA, K.P.S. 1984. *Crafts and gears of Androth, Lakshadweep*. M.Sc. Thesis, C.I.F.E., Bombay, (Unpub.).
- KUMARAN, M. AND G. GOPAKUMAR 1986. Potential resources of fishes other than tuna in Lakshadweep. *Mar. Fish. Infor. Serv. T&ESer.*, **68**: 41-45.
- KUTTY, A. R. 1972. Marriage and kinship in an island society. National, Delhi.

- KVALVAS GNAES, K. 1982. Ornamental fish trade, the review from Indonesia. *Info. fish.*, **6**: 17-22.
- LAIDLAW, F. F. 1903. The marine Turbellaria, with an account of the anatomy of some of the species. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **1**: 282-312, Cambridge Univ. Press, Cambridge.
- LANCHESTER, W. F. 1903. Marine crustaceans. VIII. Stomatopoda, with an account of the varieties of *Gonodactylus chiragra*. *Ibid.*, **1**: 444-459.
- LOGAN, W. 1951. *Manual of the Malabar District*. Vols. I, II and III. Madras Govt. Press.
- MADAN MOHAN 1986. Observations on the tuna shoals associated with flotsam in the offshore waters of Minicoy Island during 1982-'83 season. *Bull. Cent. Mar. Fish. Res. Inst.*, **36**: 196-200.
- MADAN MOHAN, P. LIVINGSTON AND K. K. KUNHIKOYA 1986. Fishery and bionomics of tunas at Minicoy Island. *Ibid.*, **36**: 122-137.
- MADAN MOHAN AND K. K. KUNHIKOYA 1986a. Length-weight relationship of skipjack *Katsuwonus pelamis* and yellowfin tuna *Thunnus albacares* from Minicoy waters. *Ibid.*, **143**-148.
- MADAN MOHAN AND K. K. KUNHIKOYA 1986b. Spawning biology of skipjack tuna, *Katsuwonus pelamis* (Linn.) from Minicoy waters. *Ibid.*, **149**-154.
- MADAN MOHAN AND K. K. KUNHIKOYA 1986c. Biology of the bait fishes, *Spratelloides delicatulus* (Bennett) and *S. japonicus* (Houttuyn) from Minicoy waters. *Ibid.*, **164**-172.
- MADAN MOHAN, C. S. GOPINADHA PILLAI AND K. K. KUNHIKOYA. The biology of the blue-puller *Chromis caeruleus* (Pomacentridae; pisces) from Minicoy Atoll. *Indian J. Fish.* (In press).
- MADHUPRATAP, M., M.V.M. WAFAR, P. HARIDAS, B. NARAYANAN, P. GOPALA MENON AND P. SIVADAS 1977. Comparative studies in the abundance of zooplankton in the surrounding sea and lagoons in the Lakshadweep. *Indian J. Mar. Sci.*, **6**: 138-141.
- MALLIK, T. K. 1976. Grain size variation in the Kavaratti lagoon sediments, Lakshadweep, Arabian Sea. *Mar. Geology*, **20** (1): 57-75.
- MALONEY CLEARENCE 1980. People of the Maldives Islands: Orient Longman Ltd., Madras; 439 pp.
- MAMMAN, T. A. 1963. On a collection of hydrozoans from South India, including Andamans, Laccadives and Maldives. *J. mar. biol. Ass. India*, **5** (1): 27-61.
- MANNADIAR, N. S. 1973. Laccadive and Amindive Islands—27 years in retrospect.
- MANNADIAR, N. S. (ED.) 1977. *Lakshadweep. Gazetteer of India*, Administration of Union Territory of Lakshadweep, Kavaratti, 375 pp.
- MASCARENHAS, A., H. N. SIDDIQUIE AND R. S. TOGPI 1980. Distribution of strontium in sediments of the Minicoy Atoll, Lakshadweep. *Indian J. Mar. Sci.*, **9** (4): 281-282.
- MARTIN THOMPSON, P. K. AND M. M. MEIYAPPAN 1980. *Monstrilla trauagida* Scott (Copepoda: Monstrilloida) a new record from the Indian waters. *Indian J. Fish.*, **24** (1 & 2): 206-209.
- MATHEW, K. J. 1969 Report on the R. V. *Varuna* Cruise No. 134 to the Laccadives. *CMFRI, Research Cruise Rept.* No. 1: 18-28.
- MATHEW, K. J. 1982. *Distribution, ecology and biology of Euphausiacea of the Indian seas*. Thesis submitted to the Univ. of Kerala, 397 pp. (unpub.).
- MATHEW, K. J. 1986. The egg potential of two species of Euphausiacea (Crustacea) of the southeastern Arabian Sea. *J. mar. biol. Ass. India*, **22** (1 & 2), 1980 (in press).
- MATHEW, M. J. AND T. B. RAMACHANDRAN 1956. Notes on a survey of the fishing industry of Laccadive and Amindivi Islands. *Fisheries Station Reports and Year Book 1954-55*. Govt. Press, Madras: 12-137.

- MEIYAPPAN, M. M. AND M. KATHIRVEL 1978. On some new records of crabs and lobsters from Minicoy, Lakshadweep (Laccadives). *J. mar. biol. Ass. India*, **20** (1 & 2): 116-119.
- MUKHOPADHYAY, S. K. and SAMANTA, T. K. 1983. On a collection of shallow water holothurians from Lakshadweep. *Rec. zool. Surv. India*, **81**: 299-314.
- MURTY, A.V.S., C. S. GOPINADHA PILLAI, G. SUBBARAJU AND V. JOSANTO 1980. On the occurrence of *Acanthaster planci* (The Crown of Thorns) at Minicoy Atoll. *Mar. Fish. Infor. Serv., T & E Ser.*, **13**: 10-13.
- MUTHUKOYA, M. C. 1978. *Problems and prospects of fisheries development in Lakshadweep*. M.Sc. Thesis, C.I.F.E., Bombay, 82 pp (Unpub.).
- NAGABHUSHANAM, A. K. AND G. C. RAO 1972. An ecological survey of the marine fauna of the Minicoy Atoll (Laccadive Archipelago, Arabian Sea). *Mitt. Zool. Mus., Berl.*, **48** (2): 265-324.
- NAIR, K. S. 1986. Fisheries development in Lakshadweep. *Fishing Chimes*, **6** (2): 20-25.
- NAIR, N. BALAKRISHNAN AND K. DHARMARAJ 1983. Marine wood boring molluscs of the Lakshadweep Archipelago. *Indian J. Mar. Sci.*, **12** (2): 96-99.
- NAIR, P.V.R. AND C. S. GOPINADHA PILLAI 1972. Primary productivity of some coral reefs in the Indian seas. *Proc. Symp. Corals and Coral Reefs*. Mar. Biol. Ass. India: 33-42 (Ed.) C. Mukundan and C.S.G. Pillai.
- NAIR, P.V.R., A.V.S. MURTY, C. P. RAMAMIRTHAM, D. S. RAO AND V. K. PILLAI 1986. Environmental features in the sea around Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, **68**: 10-13.
- NAIR, P.V.R., G. SUBBARAJU, K. J. MATHEW, V. K. PILLAI AND V. K. BALACHANDRAN 1986. Productivity of the seas around Lakshadweep. *Ibid.*, **68**: 13-15.
- NAIR, V. R. AND T.S.S. RAO 1973. Chaetognaths from the Laccadives with the new record of *Spadella angulata* (Tokioka, 1951) In: *The Biology of Indian Ocean*, Bernt Zeitschel (Ed.) 319-327, Springer-Verlag, New York.
- NAMBOODIRI, P. N. AND P. SIVADAS 1979. Zonation of molluscan assemblage at Kavaratti Atoll (Laccadives). *Mahasagar*, **12** (4): 239-246.
- PANICKER, K. C. 1978. *Marine gastropod shells of Lakshadweep*. M.Sc. Thesis, C.I.F.E., Bombay. (Unpub.).
- PATIL, M. R. AND C. P. RAMAMIRTHAM 1963. Hydrography of Laccadive offshore waters. A study of the winter conditions. *J. mar. biol. Ass. India*, **5** (2): 159-169.
- PEARSON, J. 1913. Notes on the Holothurioidea of the Indian Ocean. I. The genus *Holothuria*. *Spolia Zeylan*, **9**: 49-101.
- PEARSON, J. 1914. Notes on the Holothurioidea of the Indian Ocean. II. Sub-genera *Argiodia* and *Actinopyga*. *Ibid.*, **9**: 173-190.
- PILLAI, C. S. GOPINADHA 1967. Catalogue of corals in the reference collections of CMFR Institute. *Bull. Cent. Mar. Fish. Res. Inst.*, **7**: 23-30.
- PILLAI, C. S. GOPINADHA 1971a. Distribution of shallow-water stony corals at Minicoy Atoll in the Indian Ocean. *Atoll Res. Bull.*, **141**: 1-12.
- PILLAI, C. S. GOPINADHA 1971b. Composition of the coral fauna of the southeastern coast of India and the Laccadives. In: *Regional Variation in Indian Ocean Coral Reefs*. C. M. Yonge and D.R. Stoddart (Ed.), *Symp. Zool. Soc. Lond.*, **28**: 301-327. Academic Press.
- PILLAI, C. S. GOPINADHA 1971c. The distribution of corals on the reefs at Mandapam, Palk Bay. *J. mar. biol. Ass. India*, **11** (1 & 2): 62-72.
- PILLAI, C. S. GOPINADHA 1972. Stony corals of the seas around India. *Proc. Symp. Corals and coral reefs*. Mar. Biol. Ass. India; 191-216. (Ed. C. Mukundan and C.S.G. Pillai).
- PILLAI, C. S. GOPINADHA 1983. The endangered marine and terrestrial habitats of Minicoy Atoll in Lakshadweep. *Proc. Seminar, World Conservation Developing Countries*, Bombay nat. Hist. Soc. (in press).

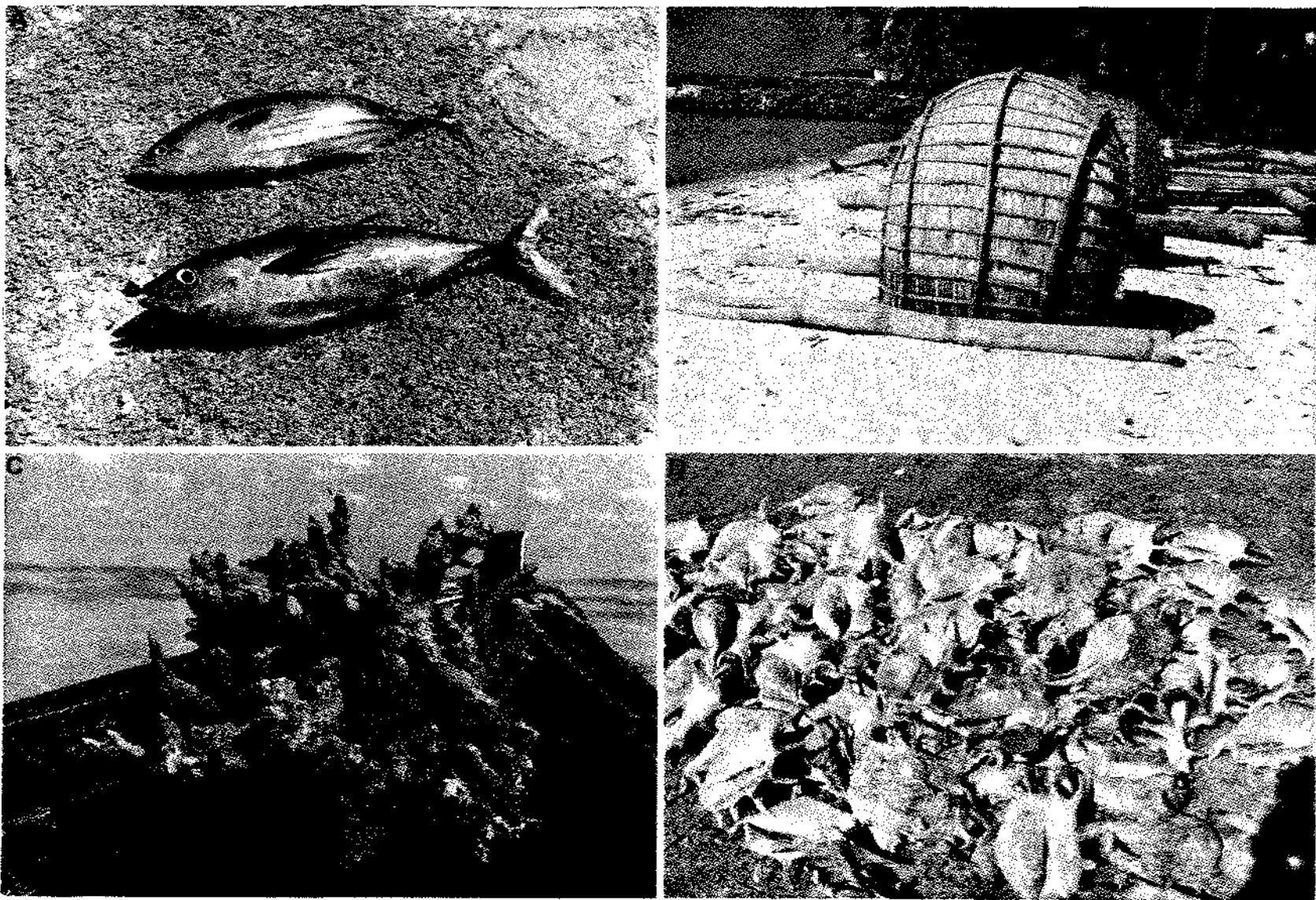
- PILLAI, C. S. GOPINADHA 1985. Ecological crisis in coastal and marine habitats In: *India's Environment—Crisis and Responses*. Nataraj Publications, Dehradun: 120-130.
- PILLAI, C. S. GOPINADHA 1986. Status of coral reefs in Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, **68**:38-41.
- PILLAI, C. S. GOPINADHA AND MADAN MOHAN 1986a. Ecological stress in Minicoy lagoon and its impact on tuna-baits. *Mar. Fish. Infor. Serv. T & E Ser.*, **68**: 33-37.
- PILLAI, C. S. GOPINADHA AND MADAN MOHAN 1986b. On a new record of Cuvier's beaked whale *Ziphius carvirostris* from the Indian waters. *J. mar. biol. Ass. India*. (in press).
- PILLAI, C. S. GOPINADHA, MADAN MOHAN AND K. K. KUNHIKOYA 1984a. Observations on the lobsters of Minicoy Atoll. *Indian J. Fish.*, **30** (2): 112-122.
- PILLAI, C. S. GOPINADHA, MADAN MOHAN AND K. K. KUNHIKOYA 1984b. On an unusual massive recruitment of the reef fish *Ctenochaetus strigosus* (Bennett) (Perciformis: Acanthuridae) to the Minicoy Atoll and its significance. *Ibid*: 261-268.
- PILLAI, C. S. GOPINADHA, MADAN MOHAN AND K. K. KUNHIKOYA 1986. Functional Mechanism of co-existence in *Chromis caeruleus* and *Dascyllus aruanus* (Pomacentridae: Pisces). *Ibid*. (in press).
- PILLAI, P. P., M. KUMARAN, C.S.G. PILLAI, MADAN MOHAN, G. GOPAKUMAR, P. LIVINGSTON AND M. SRINATH 1986. Exploited and potential resources of live-bait fishes of Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, **68**: 25-32.
- PRAIN, D. 1892. Botany of the Laccadives. *J. Bombay nat. Hist. Soc.* **7**: 268-295, 460-486., **8**: 57-86.
- PRASAD R. REGHU 1951. Geographic and climatic features of India and hydrology of the surrounding seas. *Handbook on Indian Fisheries*, (Govt. of India, Ministry of Agriculture): 57-59.
- PRASAD, R. REGHU AND P.V.R. NAIR 1964. Preliminary observations on the productivity of certain tuna waters of the west coast of India. *Proc. Symp. Scomb. Fishes, Pt. II*: 794-797. Mar. Biol. Ass. India.
- PRASAD, R. REGHU AND P.R.S. TAMPI 1959. On a collection of palinurid phyllosomas from the Laccadive sea. *J. mar. biol. Ass. India*, **1** (2): 143-164.
- PUNNET, R. C. 1903a. Nemertines, In: J. S. Gardiner (Ed), *The Fauna and Geography of Maldives and Laccadive Archipelagoes* **1**: 101-118, Cambridge Univ. Press, Cambridge.
- PUNNET, R. C. 1903b. Cephalochorda. II. Notes on meristic variation in the group. *Ibid*: 361-367.
- PUNNET, R. C. 1906. The enteropneusta. *Ibid.*, **2**: 631-680.
- QASIM, S. Z. 1970. Some characteristics of a *Trichodesmium* bloom in the Laccadives. *Deep Sea Res.*, **17**: 655-660.
- QASIM, S. Z., AND P.M.A. BHATTATHIRI 1971. Primary productivity of a seagrass bed on Kavaratti Atoll (Laccadives). *Hydrobiol.*, **38**: 29-38.
- QASIM, S. Z., P.M.A. BHATTATHIRI AND C.V.G. REDDY 1972. Primary production of an atoll in the Laccadives. *Int. Revues. Ges. Hydrobiol.*, **57** (2): 207-225.
- QASIM, S. Z., P.N.R. NAIR AND P. SIVADAS 1974. Oil spill in the Laccadives from the oil tanker 'Transhuuron.' *Mahasagar*, **7** (1 & 2): 83-91.
- QASIM, S. Z. et al. 1979. Energy pathways in the Laccadive Sea (Lakshadweep). *Indian J. Mar. Sci.*, **8**: 242-246.
- QASIM, S. Z. AND V. SANKARANARAYANAN 1980. Production of particulate organic matter by the reef on Kavaratti Atoll (Laccadives). *Limnol. Oceanogr.*, **15**: 574-578.
- RAJAGOPALAN, M. AND M. M. MEIYAPPAN 1976. Redescription of the sand shark *Negaprion odontaspis* (Fowler) obtained from Minicoy Atoll, Lakshadweep. *J. mar. biol. Ass. India*, **18** (1): 162-164.
- RAJU, G. 1961. A case of hermaphroditism and some other gonadal abnormalities in the skipjack *Katsuwonus pelamis* (Linnaeus). *Ibid.*, **2**: (1): 95-102.
- RAJU, G. 1962. New records of the giant trematodes of the genus *Hirudinella garcin* from Indian waters. *Ibid.*, **4** (2): 232-234.

- RAJU, G. 1963. Spawning of the oceanic skipjack *Katsuwonus pelamis* (Linnaeus) in the Laccadive Sea. *FAO Fish. Rep.*, (6) 3: 1669-1682.
- RAJU, G. 1964a. Studies on the spawning of the oceanic skipjack *Katsuwonus pelamis* (Linnaeus) in Lakshadweep waters. *Proc. Symp. Scomb. Fishes. Mar. Biol. Ass. India*, 1: 744-768.
- RAJU, G. 1964b. Observations on the food and feeding habits of the oceanic skipjack *Katsuwonus pelamis* (Linn.) of the Lakshadweep Sea during the years 1958-'59. *Ibid.*, 1: 607-630.
- RAJU, G. 1964c. Fecundity of the oceanic skipjack *Katsuwonus pelamis* (Linnaeus) of Minicoy. *Ibid.*, 2: 725-732.
- RAMASAstry, A. A. 1959. Water masses and the frequency of seawater characteristics in the upper layers in the south-eastern Arabian Sea. *J. mar. biol. Ass. India*, 1 (2): 233-246.
- RAMUNNI, M. 1965. Atlas of the Laccadive, Minicoy and Aminidive Islands: 92 pp.
- RAO, GANGADHARA, L. V. AND R. JAYARAMAN 1966. Upwelling in the Minicoy region of the Arabian Sea. *Curr. Sci.*, 35 (15): 378-380.
- RAO, PANAKALA, D. AND R. JAYARAMAN 1970. On occurrence of oxygen maxima and minima in the upper 500 metres of the north-western Indian Ocean. *Proc. Indian Acad. Sci.*, 71 (6) B: 230-246.
- RAO, PANAKALA, D., R.V.S. SARME, J. S. SAstry AND K. PREMCHAND 1976. On the lowering of the surface temperatures in the Arabian Sea with the advance of the south west monsoon season. *Proc. 11th Symp. on Tropical Monsoons*, Pune, India.
- RAO, K. VIRABHADRA 1973. Distribution pattern of the major exploited marine fishery resources of India. *Proc. Symp. Living resources of the seas around India*. Cent. Mar. Fish. Res. Inst., Cochin: 18-101. Also *Abstracts*: 2 (1968).
- RAO, K. VIRABHADRA, P. SIVADAS AND L. KRISHNAKUMARY 1974. On three rare doridigorm nudibranch molluscs from islands. *J. mar. biol. Ass. India*, 16 (1): 113-125.
- SALE, P. F. 1978. Co-existence of coral reef fishes - a lottery for living space. *Env. Biol. Fish.*, 3: 85-102.
- SALE, P. F. 1980. The ecology of fishes on coral reefs. *Oceanogr. Mar. Biol. Ann. Rev.*, 18: 367-421.
- SALE, P. F., W. A. DOUGLAS AND P. J. DOHERTY 1984. Choice of microhabitat by coral reef fishes at settlement. *Coral Reefs*, 3: 91-99.
- SANKARANARAYANAN, V. N. 1973. Chemical characteristics of waters around Kavaratti Atoll (Laccadives). *Indian J. Mar. Sci.*, 2: 23-26.
- SANKARANKUTTY, C. 1961. On some crabs (Decapoda - Brachyura) from the Laccadive Archipelago. *J. mar. biol. Ass. India*, 3 (1 & 2): 121-150.
- SASTRY, A.A.R. 1959. Water masses and frequency of sea water characteristics of the southern Arabian Sea. *Ibid.*, 1 (2): 233-246.
- SEN GUPTA, R., CAROLINE MORAES, T. N. KUREISHY, V. N. SANKARANARAYANAN, T. K. JANA, S.W.A. NAQVI AND M. D. RAJAGOPAL 1979. Chemical oceanography of Arabian Sea. Part IV - Laccadive Sea. *Indian J. Mar. Sci.*, 8: 215-221.
- SEWELL, R.B.S. 1935. Studies on corals and coral reefs of Indian waters. *Mem. Asiatic Soc. Beng.*, 9: 461-540.
- SHIPLEY, A. E. 1903a. Echiuroidea In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 1: 127-130. Cambridge Univ. Press, Cambridge.
- SHIPLEY, A. E. 1903b. Sipunculoidea with an account of a new genus *Lithacrosiphon*. *Ibid.*: 131-140.
- SILAS, E. G. 1963a. Synopsis of biological data on double-lined mackerel *Grammatotrygon bicarinatus* (Quoy and Gaimard) (Indo-Pacific). *FAO Fish. Rep.*, (6) 2: 811-833.
- SILAS, E. G. 1963b. Synopsis of biological data on the dogtooth tuna *Gymnosarda unicolor* (Rüppell) 1838 (Indo-Pacific). *Ibid.*, 2 (6): 877-899.

- SILAS, E. G. 1965. On the lancet fishes of the genus *Alepisaurus* Lowe from the Indian Ocean. *Curr. Sci.*, **34** (2): 51-52.
- SILAS, E. G. 1967a. Oceanic fisheries. *Souvenir*, Cent. Mar. Fish. Res. Inst., Mandapam Camp: 51-57.
- SILAS, E. G. 1967b. Parasites of scombrid fishes. Part I. Monogenetic trematodes, digenetic trematodes and cestodes. *Proc. Symp. Scomb. Fishes*, Mar. Biol. Ass. India, Mandapam Camp, **3**: 799-875 (1962).
- SILAS, E. G. 1968. Oceanic and demersal fishery resources of the west coast of India and the Laccadive Sea based on exploratory fishing from R.V. *Varuna*. *Symp. Living resources of the seas around India*. Cent. Mar. Fish. Res. Inst., Cochin, *Abstracts*: 8-9.
- SILAS, E. G. 1969. Exploratory fishing by R. V. 'Varuna'. *Bull. Cent. Mar. Fish. Res. Inst.*, **12**: 1-86.
- SILAS, E. G. 1969. Pelagic fisheries of the Indian Ocean. *Indian Farming*, **19** (9): 63-66.
- SILAS, E. G. 1972. Investigations on the deep scattering layers in the Laccadive Sea. In: *Proc. Symp. corals and coral Reefs.*, 1969. Mar. Biol. Ass. India: 257-274. (Ed. C. Mukundan and C.S.G. Pillai).
- SILAS, E. G., S. K. DHARMARAJA AND K. RENGARAJAN 1976. Exploited marine fishery resources of India. *Bull. Cent. Mar. Fish. Res. Inst.*, Cochin, **27**: 1-25.
- SILAS, E. G. AND K. C. GEORGE 1970. On the larval and postlarval development and distribution of the mesopelagic fish *Vinciguerria nimbaria* (Jordan and Williams) (Family Gonostomatidae) off the west coast of India and the Laccadive Sea. *J. mar. biol. Ass. India*, **11** (1 & 2): 218-250.
- SILAS, E. G. AND P. P. PILLAI 1982. Resources of tunas and related species and their fisheries in the Indian Ocean. *Bull. Cent. Mar. Fish. Res. Inst.*, **32**: 1-174.
- SILAS, E. G. AND P. P. PILLAI 1986. Indian tuna fisheries—development, prospectives and management plan. In *Tuna Fisheries of the Exclusive Economic Zone of India*, E. G. Silas (Ed.), *Bull. Cent. Mar. Fish. Res. Inst.*, **36**: 231-248.
- SILAS, E. G., K.V.N. RAO, P. P. PILLAI, MADAN MOHAN, G. GOPAKUMAR, P. LIVINGSTON AND M. SRINATH 1986. Exploited and potential resources of tunas of Lakshadweep. *Mar. Fish. Infor. Serv. T & E Ser.*, **68**: 15-25.
- SILAS, E. G. AND N. K. PRASAD 1966. Studies on demersal fishes of the deep neritic waters on the continental slope. I. On the stromateoid fish *Psenes indicus* (Day) from the Indian seas, with comments on the genus and related species and notes on its biology. *Indian J. Fish.*, **13**: 183-218.
- SILAS, E. G. AND A.N.P. UMMERKUTTY 1967. Parasites of scombrid fishes. Part II. Parasitic copepoda. *Proc. Symp. Scombroid fishes*, Mar. Biol. Ass. India, Mandapam Camp, **3**: 876-993 (1962).
- SIVADAS, P. 1977. Report on the occurrence of *Acanthaster* sp. in Lakshadweep waters. *Mahasagar*, **10** (3-4): 179-180.
- SIVADAS, P., B. NARAYANAN AND K. SIVAPRASAD 1983. An account of the vegetation of Kavaratti Island, Laccadives. *Atoll. Res. Bull., Wash.*, **266**: 1-9.
- SMITH, E. A. 1906. Marine mollusca. In: J. S. Gardiner (Ed.), *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, **2**: 589-630, Cambridge Univ. Press, Cambridge.
- STODDART, D. R. 1971. Rainfall on Indian Ocean coral islands. *Atoll. Res. Bull., Wash.*, **147**: 1-21.
- STODDART, D. R. 1972. Coral reefs of the Indian Ocean. *Proc. Symp. Corals and coral reefs.* Mar. Biol. Ass. India: 155-174.
- STODDART, D. R. 1973. Coral reefs of the Indian Ocean. In: *Biology and Geology of Coral Reefs. Geology*, **1**: 51-92. Academic Press.
- SUNDARARAJ, B. 1930. Report on systematic survey of deep sea fishing grounds by S. T. 'Lady Goschen', 1928-29.
- THOMAS, P. A. 1973. The new records of Demospongiae from the Indian Ocean. *J. mar. biol. Ass. India*, **15** (1): 443-445.

- THOMAS, P. A. 1979. Demospongiae of Minicoy Island (Indian Ocean) Part I. Orders Keratosida and Haplosclerida. *Ibid.*, 21 (1 & 2): 10-16.
- THOMAS, P. T. 1964a. Food of *Katsuwonus pelamis* (Linnaeus), *Neothunnus macropterus* (Temminck and Schlegel) from Minicoy waters during the season 1960-61. *Proc. Symp. Scomb. Fishes*, Pt. 2: 626-630. Mar. Biol. Ass. India.
- THOMAS, P. T. 1964b. A study on the fluctuations in the occurrence of the major tuna live-bait fishes of Minicoy. *Ibid.*: 681-690.
- THOMAS, P. T. 1967. Size composition of the oceanic skipjack *Katsuwonus pelamis* (Linnaeus) and the yellowfin tuna *Neothunnus macropterus* (Temminck and Schlegel) from the Laccadive seas around Minicoy during the season 1960-'61. *Ibid.*, Pt. 3: 1146-1153.
- THOMAS, P. T. AND M. KUMARAN 1963. Food of Indian tunas. *FAO Fish. Rep.*, 63: 1659-1667.
- THOMAS, P. T. AND G. RAJU 1964. Gonadal abnormalities in scombroide fishes. *Proc. Symp. Scom. fishes*. Mar. Biol. Ass. India, Mandapam Camp, 2: 719-724. Also *Abstracts*: 28 (1962).
- TRANTER, D. J. AND JACOB GEORGE 1972. Zooplankton abundance at Kavaratti and Kalpeni Atolls in the Laccadive Sea. In: *Proc. Symp. Corals and coral reefs*: 239-256. Mar. Biol. Ass. India.
- UNTAWALE, A. G. AND T. G. JAGTAP 1984. Marine microphytes of Minicoy (Lakshadweep) coral Atoll of the Arabian Sea. *Aquatic Botany*, 19: 97-103.
- VARGHESE, T. J. 1971. Comparative merits of the mechanised over non-mechanised boats on oceanic skipjack tuna live-bait fishery. *Seafood Export Journal*, 3 (1): 115-121.
- VARGHESE, T. J. 1974. Shark resources of the Laccadive waters. *Seafood Export Journal*, 6 (1): 65-68.
- WALKER, A. O. 1906. Marine crustaceans. XIV. Amphipoda. In: J. S. Gardiner (Ed.). *The Fauna and Geography of the Maldives and Laccadive Archipelagoes*, 2: 923-932, Cambridge Univ. Press, Cambridge.
- WOLFENDEN, R. N. 1906. Notes on the collection of copepoda. *Ibid.*: 989-1040.
- WOOD-MASON, J. AND A. W. ALCOCK 1892. On the results of deep-sea dredging during the season 1890-91. *Ann. Mag. nat. Hist.* (6) 8, August, 1891: 119-138.





- A. Two species of very common tunas in the Lakshadweep Sea. Above: skipjack (*Katsuwonus pelamis*) and below: yellowfin (*Thunnus albacares*).
- B. The traditional tuna live-bait basket commonly used for keeping live-bait fish in captivity.
- C. A collection of recently dead corals (*Acropora* sp.) from Minicoy lagoon.
- D. A heap of shells of *Lambis truncata*, an ornamental mollusc, which made an unusual invasion into the Minicoy lagoon in 1984.