



CEPHALOPODS OF THE WORLD

AN ANNOTATED AND ILLUSTRATED CATALOGUE OF
CEPHALOPOD SPECIES KNOWN TO DATE

Volume 2. Myopsid and Oegopsid Squids





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Volume 2

Myopsid and Oegopsid Squids

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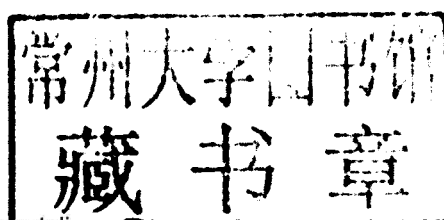
and

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with the support of the
Government of Italy

(Ministero per le Politiche Agricole e Forestali,
Direzione Generale per la Pesca e l'Acquacoltura)



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ISBN 978-92-5-106720-8

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*The Second Volume of this New Edition of the Cephalopods of the World Catalogue
is heartily dedicated to the*

Worldwide Cephalopod Scientific Community.

*May our knowledge continue to improve with time and this
contribute to a wiser use of the World Oceans. We feel there is no
better way to honour the memory of all our colleagues who have
passed away.*

PREPARATION OF THIS DOCUMENT

This document has been prepared by the Marine and Inland Fisheries Service, Fisheries and Aquaculture Resources Use and Conservation Division, FAO Fisheries and Aquaculture Department. It is part of the regular programme activities and a partial fulfilment of the Organization's role with regards to the marine fisheries resources identification and biodata (FAO Programme Element 232A3). It received support through contributions from the Ministry of Agriculture and Forestry Policies of the Government of Italy and from the Ministry of Foreign Affairs of the Kingdom of Norway to the FAO Global Partnerships for Responsible Fisheries (FISHCODE).

This publication is the second of three volumes of the second edition of the original FAO Catalogue of Cephalopods of the World (Roper *et al.*, 1984), and it constitutes Volume II of Number 4 in the new series: *FAO Species Catalogue for Fisheries Purposes*, that evolved as an independent series in 2001 from the former *FAO Fisheries Synopsis* No. 125.

Because the new Catalogue has expanded apace with recent research and fisheries information and revisions, it now is necessary to publish it as three free-standing volumes. Each volume has separate pagination, terminology/glossary, systematic sections, list of species and a volume-specific bibliography. This allows readers to use each volume independently without having to consult the other volumes for technical terms, measurements or bibliographic purposes. We hope that this added flexibility will provide convenience and utility for users of the Catalogue.

Programme coordinators: Jordi Lleonart and Michel Lambouef (former FAO, Rome).

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Cover illustration: Emanuela D'Antoni (FAO, Rome).

Jereb, P.; Roper, C.F.E. (eds)

Cephalopods of the world. An annotated and illustrated catalogue of cephalopod species known to date. Volume 2. Myopsid and Oegopsid Squids.

FAO Species Catalogue for Fishery Purposes. No. 4, Vol. 2. Rome, FAO. 2010. 605p. 10 colour plates.

ABSTRACT

This is the second volume of the entirely rewritten, revised and updated version of the original FAO Catalogue of Cephalopods of the World (1984). The present Volume is a multiauthored compilation that reviews 28 families, i.e. (in alphabetical order), *Ancistrocheiridae*, *Architeuthidae*, *Australiteuthidae*, *Bathyteuthidae*, *Batoteuthidae*, *Brachyteuthidae*, *Chiroteuthidae*, *Ctenopterygidae*, *Cranchiidae*, *Cycloteuthidae*, *Enoploteuthidae*, *Gonatidae*, *Histioteuthidae*, *Joubiniteuthidae*, *Lepidoteuthidae*, *Loliginidae*, *Lycoteuthidae*, *Magnapinnidae*, *Mastigoteuthidae*, *Neoteuthidae*, *Octopoteuthidae*, *Ommastrephidae*, *Onychoteuthidae*, *Pholidoteuthidae*, *Promachoteuthidae*, *Psychroteuthidae*, *Pyroteuthidae* and *Thysanoteuthidae*, with 83 genera and the 295 species known and named to the date of the completion of the volume. It provides accounts for all families and genera, as well as illustrated keys. Information under species accounts includes: valid modern systematic name and original citation of the species (or subspecies); synonyms; English, French and Spanish FAO names for the species; illustrations of dorsal and ventral aspects of the whole animal (as necessary) and other distinguishing illustrations; field characteristics; diagnostic features; geographic and vertical distribution, including GIS map; size; habitat; biology; interest to fishery; local names when available; a remarks section (as necessary) and literature. The Volume is fully indexed and also includes sections on terminology and measurements, an extensive glossary, an introduction with an updated review of the existing biological knowledge on squids (including fisheries information and main catch data for recent years) and a dedicated bibliography. Due to the conspicuous amount of literature addressing many squid species, an appendix is included in the online version, where those references considered most pertinent to the species are listed, by family and species, in alphabetical order by author; key words, also, are reported.

Distribution

Authors
FAO Fisheries Officers
Regional Fisheries Councils and Commissions
Selector SC

For bibliographic reference the different sections should be quoted as follows:

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Acknowledgements

The authors are pleased to heartily acknowledge the contributions of colleagues who have supplied information or read drafts of this Second Edition of the Cephalopod Catalogue. Without their good efforts this work would have been a less comprehensive, and consequently a less useful tool.

In particular, for this Volume, we want to thank: **Louise Allcock** (Co-editor, Journal of Natural History, Martin Ryan Marine Science Institute, Galway, Ireland), **Freddy Arocha** (Instituto Oceanografico, Universidad de Oriente, Cumana, Venezuela), **Giambattista Bello** (Mola di Bari, Italy), **John Bower** (Northern Biosphere Field Science Center, Hokkaido University, Hakodate, Hokkaido, Japan), **Norma E. Brunetti** (Instituto Nacional de Investigacion y Desarrollo Pesquero (INIDEP), Mar del Plata, Argentina), **Naritoshi Cho** (National Research Institute of Fisheries Science, Fisheries Research Agency, Nagai, Yokosuka, Japan), **Cherdchinda Chotiayaputta** (Department of Marine and Coastal Resources, Ministry of Natural Resources and Environment, Bangkok, Thailand), **Angel F. Gonzalez** and **Angel Guerra** (ECOBIMAR, Instituto de Investigaciones Marinas, Vigo, Spain), **Eugenia Lefkaditou** (Institute of Marine Biological Resources-NCMR, Athens, Greece), **Marek Lipinski** (Marine and Coastal Management-DEAT, Cape Town, South Africa), **Chung-Cheng Lu** (Victoria, Australia), **Pilar Martínez** (Servicio de Biología, Instituto Nacional de Toxicología, Madrid, Spain), **Rodrigo S. Martins** (Marine and Coastal Management, University of Cape Town, South Africa), **Ana Moreno** and **Joao M.F. Pereira** (Instituto Nacional De Investigacao Agroraria e das Pescas, INIAP/IPIMAR, Lisbon, Portugal), **José A. Alvarez Perez** (Centro de Ciências Tecnológicas da Terra e do Mar, Vale do Itajai University, Brazil), **Uwe Piatkowski** (Leibniz-Institut fuer Meereswissenschaften, Kiel University, Kiel, Germany), **Antoni Quetglas** (IEO-Centre Oceanogràfic de Balears, Palma de Mallorca, Spain), **Rui Rosa** (Laboratório Marítimo da Guia, Centro de Oceanografia, Lisbon University, Cascais, Portugal), **Toshie Wakabayashi** (Oceanic Squid Section, National Research Institute of Far Seas Fisheries, Fukuura, Yokohama, Japan), **José Xavier** (Centre of Marine Sciences, University of Algarve, Faro, Portugal), and **Karsten Zumholz** (Fisheries School Rendsburg, Rendsburg, Germany).

Very special thanks are due to **Nancy Voss** (Director of the Marine Invertebrate Museum, Rosenstiel School of Marine and Atmospheric Science, Miami, Florida, USA), for her knowledgeable help in solving systematic problems, with reference to species of the Cranchiidae, and to **Richard E. Young** (Professor Emeritus, Department of Oceanography, University of Hawaii at Manoa, Honolulu, Hawaii), for his continuous help and support in addressing and solving systematics and nomenclatural problems throughout the last phase of our work.

In the earliest phase of this work, **Michael J. Sweeney** (formerly Smithsonian Institution, National Museum of Natural History, WA, DC, USA) provided technical support, nomenclatural listing and literature searches, for which we all are grateful.

We gratefully acknowledge **Joerg Loetze**, Director of the Humboldt Field Research Station at Eagle Hill, Steuben, Maine (USA), for his support and generosity during our several visits to this collegial retreat.

Michel Lamboeuf (formerly Programme Manager at FAO, now retired) and **Jordi Leonardt** (formerly Programme Manager at FAO, now back to the Institut de Ciències del Mar, CSIC, Barcelona, Spain), were our principal administrative contacts at FAO until 2008. This publication would not have been forthcoming without their very much appreciated support and encouragement.

We especially want to thank **Michel** for his help and constant support during all the years dedicated to this project.

Of course, a compilation of this nature must rely heavily on already-published works: these, we acknowledge with gratitude. In particular, we acknowledge here that many illustrations from these works have been used for the purposes of this Catalogue, for which we are most appreciative.

We also acknowledge with deep thanks the members of the FAO technical staff who so efficiently contributed to the preparation of this Volume: **Emanuela d'Antoni** for her excellent job in creating the many illustrations needed for the Catalogue and for greatly enhancing many illustrations from the literature; **Nicoletta De Angelis** and **Michèle Kautenberger-Longo** for their skilful collaboration in completing this highly technical and complex document; **Fabio Carocci** for the preparation of the distribution maps. All are premier representatives of their professions.

We especially want to thank **Nicoletta**, for her constant, collegial support and faith that this volume would be completed.

Colour photographs are included in this new edition of the Catalogue to enrich the quality and utility of the book. Therefore we acknowledge with deep gratitude those who contributed with great generosity by offering photographic material: **Howard** and **Michele Hall** (Howard Hall Production, USA), **Roger T. Hanlon** (Marine Biological Laboratory, Woods Hole, USA), **Tsunemi Kubodera** (National Museum of Nature and Science, Department of Zoology, Tokyo, Japan), **Mark Norman** (Museum of Victoria, Australia), **Malcolm Smale** (Port Elizabeth Museum, Bayworld Centre for Research and Education, Port Elizabeth, South Africa), **Isamu Soyama** (Tsuru-Shi, Yamanashi-Prefecture, Japan), **Michael Vecchione** (National Systematic Laboratory, National Museum of Natural History, Washington, DC, USA), **Peter Wirtz** (Madeira, Portugal), and **Richard E. Young** (Department of Oceanography, University of Hawaii at Manoa, Honolulu, Hawaii).

Last, but not least, very special thanks are due to **Ingrid H. Roper**, for her technical assistance and invaluable support during all stages of the preparation of this Catalogue. Without her technical and linguistic skills and her perseverance, this volume would not have been so well accomplished.

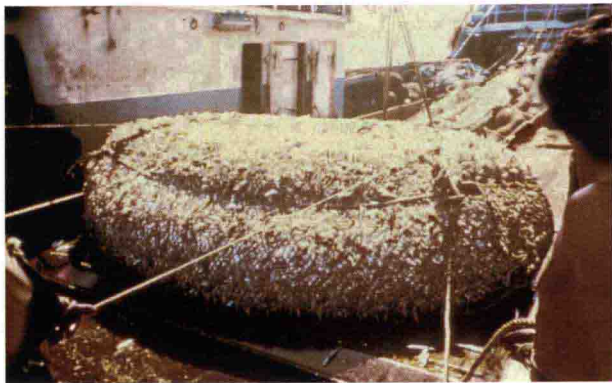
In the years that have elapsed between the publication of the first and the second Volumes of this new Edition, three highly esteemed colleagues and cherished friends have passed away: **Peter R. Boyle**, **Martina Compagno-Roeleveld** and **Martin J. Wells**. Our knowledge of the cephalopod world has benefitted greatly by their universally acknowledged and valued contributions. We all have gained from their collegiality and have enjoyed greatly their friendship.

Our special thanks to them for their lifetime service.

PLATE I



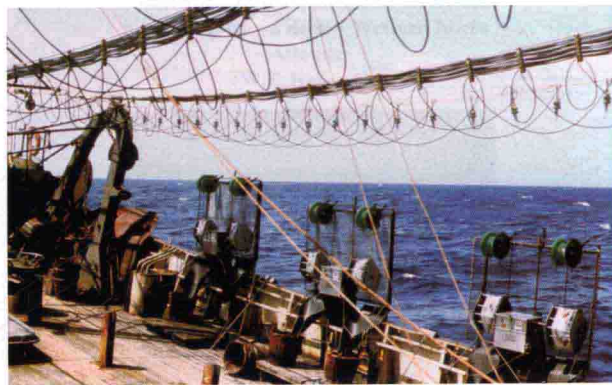
1. Squid jigging machines at night – Japan
(W.F. Rathjen)



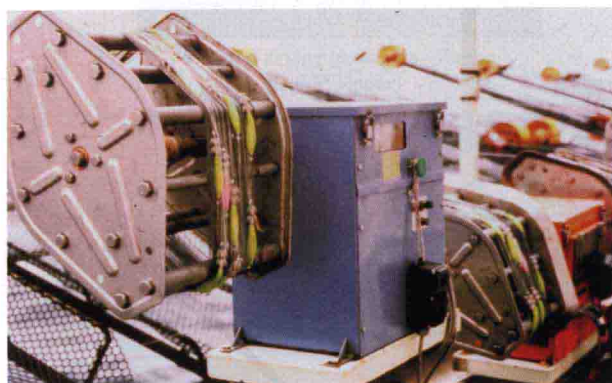
2. Trawl catch of squid – New England
(W.F. Rathjen)



3. Off shore fishing boat
(C.F.E. Roper)



4. Upright mesh screens
(W.F. Rathjen)



5. Jigging machine
(W.F. Rathjen)



6. Soft body and hard body (black)
squid jigging hooks on reel – Japan
(C.F.E. Roper)

PLATE II



7. Closing up purse seine with squid –
Japan
(C.F.E. Roper)



8. Squid catch on deck – Western North
Atlantic
(W.F. Rathjen)



9. Squid drying in the sun – Japan
(C.F.E. Roper)



10. Squid drying in the sun – Japan
(C.F.E. Roper)



11. Squid drying in the sun – Japan
(C.F.E. Roper)

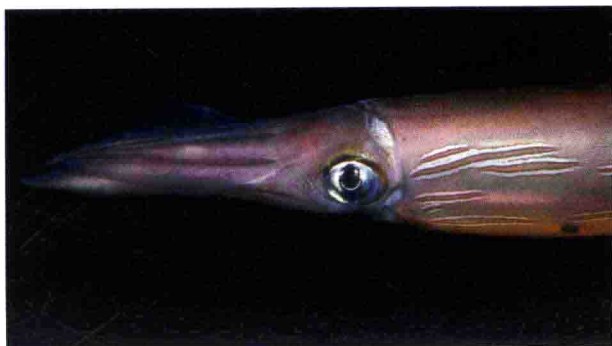
PLATE III



12. *Loligo* eggs
(C.F.E. Roper)



13. *Loligo* embryos
(C.F.E. Roper)



14. *Loligo forbesii*
(P. Wirtz)



15. *Loligo reynaudii*
(M. Smale)



16. *Loligo reynaudii*
(R. Hanlon)



17. *Alloteuthis subulata*
(P. Wirtz)

PLATE IV



18. *Doryteuthis (Amerigo) opalescens*
(H. Hall)



19. *Doryteuthis (Amerigo) opalescens*
(H. Hall)



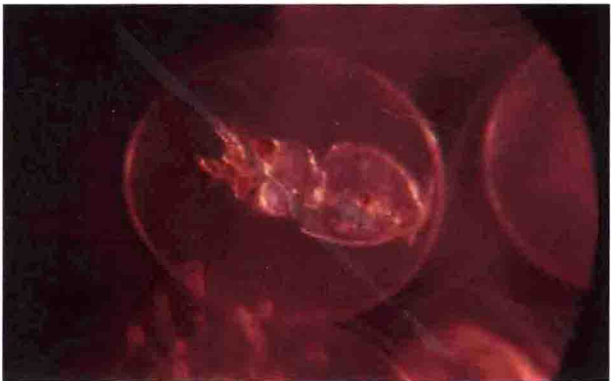
20. *Doryteuthis (Amerigo) pealeii*
(R. Hanlon)



21. *Doryteuthis (Amerigo) pealeii*
(R. Hanlon)



22. *Doryteuthis (Amerigo) pealeii*
(R. Hanlon)



a)



b)

23. *Doryteuthis (Doryteuthis) plei*
(C.F.E. Roper)

PLATE V



24. *Doryteuthis (Doryteuthis) plei*
(R. Hixon)



25. *Doryteuthis (Doryteuthis) plei*
(R. Hixon)



26. *Pickfordiateuthis pulchella*
(C.F.E. Roper)



27. *Sepioteuthis australis*
(M. Norman)



28. *Sepioteuthis lessoniana*
(M. Norman)



29. *Sepioteuthis lessoniana*
(M. Norman)

PLATE VI



30. *Sepioteuthis sepioidea*
(R. Hanlon)



31. *Sepioteuthis sepioidea*
(R. Hanlon)



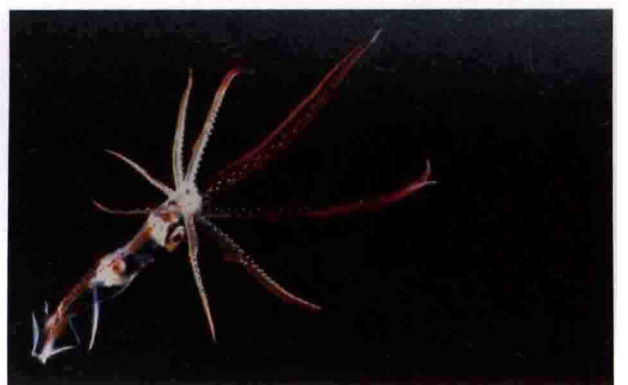
a)



33. *Uroteuthis (Photololigo) edulis*
(I. Soyama)



b)



34. *Chiroteuthis* sp.
(C.F.E. Roper)



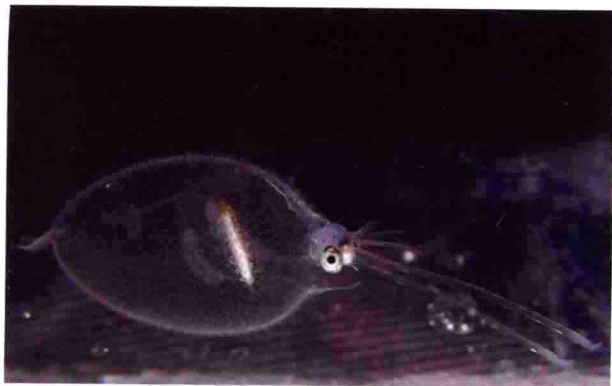
c)

32. *Architeuthis* sp.
(T. Kubodera)



35. *Chiroteuthis spoeli*
(M. Vecchione)

PLATE VII



36. *Cranchia scabra*
(R. Young)



37. Cranchiid squid
(C.F.E. Roper)



38. *Sandalops melancholicus*
(C.F.E. Roper)



39. *Teuthowenia megalops*
(M. Vecchione)



40. *Abraliopsis* sp.
(C.F.E. Roper)



41. *Histiotteuthis corona cerasina*
(C.F.E. Roper & R. Young)



42. *Joubiniteuthis portieri*
(R. Young)

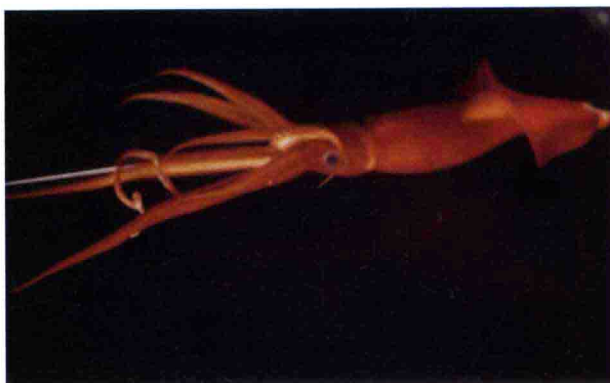


43. *Histiotteuthis hoylei*
(C.F.E. Roper & R. Young)

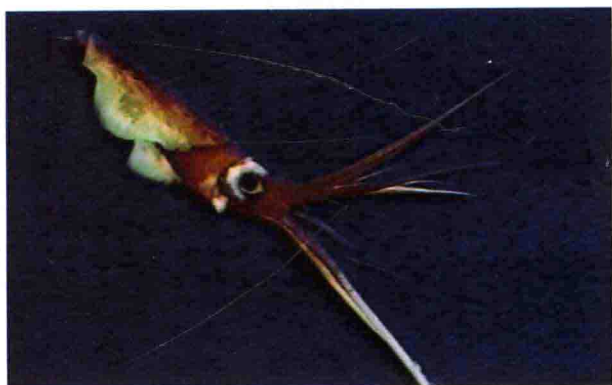
PLATE VIII



44. *Lycoteuthis* sp.
(C.F.E. Roper)



45. *Mastigoteuthis* sp.
(C.F.E. Roper)



46. *Mastigoteuthis hjorti*
(M. Vecchione)



47. *Taningia danae*
(C.F.E. Roper)



48. *Taningia danae*
(C.F.E. Roper)



49. Ommastrephid *Rhynchoteuthion*
(C.F.E. Roper)



50. *Illex coindetii*
(M. Vecchione)



51. *Illex coindetii*
(M. Vecchione)

PLATE IX



52. *Illex* sp.
(M. Vecchione)



53. *Illex illecebrosus*
(M. Vecchione)



54. *Dosidicus gigas*
(H. Hall)



55. *Ornithoteuthis antillarum*
(M. Vecchione)



56. *Ornithoteuthis antillarum*
(M. Vecchione)



57. *Ornithoteuthis antillarum*
(M. Vecchione)