



**GÜNTHER EDMUND MAUL**  
(Frankfurt, 1909 – Funchal, 1997)

By MANUEL JOSÉ BISCOITO <sup>1</sup>

GÜNTHER EDMUND MAUL, Jerry to his friends and close colleagues, came to Madeira in December 1930. He was hired by the Municipality of Funchal to occupy the post of Taxidermist in the recently established Museu Municipal do Funchal. Soon his expert taxidermy became famous and by 1933 he had finished the bulk of the collection in time for the opening of the Museum to the public. Indeed, today almost all the specimens admired by visitors can be attributed to him.

During these initial developments he realised that the long established deep-sea fishery for *Aphanopus carbo*, offered Madeira an enormous opportunity to do pioneering deep-sea ichthyology research. To exploit this tradition Jerry sought the collaboration of local fishermen and fishmongers who, for a small reward - usually paid from his own pocket

<sup>1</sup> Museu Municipal do Funchal (História Natural). Rua da Mouraria, 31, 9000 FUNCHAL, Madeira, PORTUGAL.

- brought him rare or unknown species to study.

In 1940 he was appointed Director of the Museum, a post held until his official retirement in 1979. It should, however, be added that he continued his research at the Museum until a few weeks before his death in 1997.

As Director he was aware of the need to keep the international scientific community informed of the remarkable new discoveries from Madeiran waters. To this end he persuaded the Municipality to establish in 1945 the *Boletim do Museu Municipal do Funchal*. Through this journal he published the famous series of ichthyological papers "Monografia dos Peixes do Museu Municipal". As well as this series he published extensively in foreign scientific journals and also contributed chapters to several books. Such productivity, more than 50 scientific publications, is reflected in the attached bibliography. More importantly, it should be noted that between 1980 and 1994 his works were quoted 64 times, this ranking him as one of the great ichthyologists of the second part of the 20<sup>th</sup> century.

During his long career Jerry Maul pioneered deep-sea studies in Portugal and participated in several marine research expeditions. These included the famous French bathyscaph "Archimède" in a dive to a depth of 2200 meters in 1966. He organised in 1963 the first multidisciplinary expedition to the Salvage Islands. From this several papers emerged, but, more importantly, these served as the scientific basis for the establishment of the Salvage Islands Nature Reserve in 1971.

His attention to detail never faltered and he was always very much aware of the important role the Museum must play to keep scientists and the general public informed. For instance, in 1959 he launched a second scientific journal, *Bocagiana*, to address the more immediate day-to-day scientific issues and opened to the public the MMF Aquarium. Sadly he did not live to see the completion of the Marine Biological Station of Funchal and the new aquarium; both projects were very dear to him and his advice and support during the initial planning much valued.

In recognition for his work, as a scientist and as a civil servant, he was awarded the gold medal of the City of Funchal in 1982. One year later the German government awarded him with the Cross of Merit of the Order of Merit of the Federal Republic of Germany. In 1995 he was decorated with the degree of Great Officer of the Order of Merit of the Portuguese Republic and, the University of Madeira gave him a PhD *Honoris causa*.

Jerry Maul was a Fellow of the Zoological Society of London and member of the American Society of Ichthyologists and Herpetologists, The Marine Biological Association of the United Kingdom and European Ichthyological Union. The Portuguese Association of Biologists made him an Honorary Member in 1993.

Jerry had a charming personality, modesty being one of his outstanding human qualities. He was always available, either to help a young student, a visiting scientist or an anonymous museum visitor. When someone wanted to know something about the natural phenomena of Madeira, the more common answer was: ask Jerry. In a time when

environmental issues were not yet in fashion, Jerry was a source of inspiration to all of us and responsible for our careers. Also, most of us are indebted to him for our knowledge of the English or German languages.

The world has lost a fine scientist and we at the Museum, a great friend, but his work and his memory will prevail forever.

GÜNTHER EDMUND MAUL died peacefully on the 28<sup>th</sup> September in the city of Funchal, where he has lived since 1930. He is survived by his wife Irene, sons Edward and Timothy, four grand children and a great-grand-daughter.

### ACKNOWLEDGEMENTS

The author is greatly indebted to PAUL ALEXANDER ZINO for valuable information on Jerry's life and to GRAHAM QUINN for suggestions to this text.

### Scientific papers published by G. E. MAUL

1945. Monografia dos Peixes do Museu Municipal do Funchal. Família Sudidae. *Bol. Mus. Mun. Funchal*, 1(1): 5-38, figs. 1-10.
- 1946a. Monografia dos Peixes do Museu Municipal do Funchal. Ordem Iniomi. *Op. cit.*, 2(2): 5-61, figs. 1-22.
- 1946b. Um Novo Género e Espécie dos Macropinídeos. *Op. cit.*, 2(3): 62-65, fig. 1.
- 1948a. Monografia dos Peixes do Museu Municipal do Funchal. Ordem Isospondyli. *Op. cit.*, 3(5): 5-41, figs. 1-16.
- 1948b. Quatro Peixes Novos dos Mares da Madeira. *Op. cit.*, 3(6): 41-55, figs. 17-20.
- 1949a. Lista Sistemática dos Peixes assinalados nos mares da Madeira e Índice alfabético. In Sarmiento, A.A., Vertebrados da Madeira. Vol. I. Ed. Junta Geral do Distrito Autónomo do Funchal, 53 pp.
- 1949b. Monografia dos peixes do Museu Municipal do Funchal. Ordem Isospondyli (Conclusão). *Op. cit.*, 4(9): 5-20, figs. 1-7.
- 1949c. Notas sobre dois Peixes Descritos no Boletim Anterior. *Op. cit.*, 4(10): 20-22.
- 1949d. Alguns Peixes Notáveis. *Op. cit.* 4(11): 22-42, figs. 8-17.
- 1950a. (With E. KOEFOED) On a new Genus and Species of Macrourid Fish, *Phalacromacrus pantherinus*. *Ann. Mag. Nat. Hist. Ser. 12*, vol. III: 970-976, 1 fig.
- 1950b. A Espada Preta. *Public. Liga Prot. Nat.*, 4: 62-71.
- 1951a. Monografia dos Peixes do Museu Municipal do Funchal. Família Macrouridae e

- Merlucciidae. *Bol. Museu Municipal do Funchal*, 5(12): 5-55, figs. 1-12.
- 1951b. Nota sobre as duas Espécies do Género *Neoscopelus*. *Op. cit.*, 5(13): 56-63, figs. 13-15.
- 1952a. Monografia dos Peixes do Museu Municipal do Funchal. Família Gadidae e Bregmacerotidae. *Op. cit.*, 6(15): 5-51, figs. 1-12.
- 1952b. Additions to previously Revised Families. *Op. cit.*, 6(16): 51-62, figs. 13-17.
1953. Rediscovery of the Trichiurid Fish *Benthodesmus simonyi* (STEINDACHNER) off Madeira. *Proc. Zool. Soc. Lond.*, 123(1): 167-170, 1 Table, 1 fig.
- 1954a. Monografia dos Peixes do Museu Municipal do Funchal. Ordem Berycomorphi. *Bol. Museu Municipal do Funchal*, 7(17): 5-41, figs. 1-13.
- 1954b. Additions to Previously Revised Families. *Op. cit.*, 7(18): 41-63, figs. 14-21.
- 1955a. Monografia dos Peixes do Museu Municipal do Funchal. Ordem Heteromi. *Op. cit.*, 8(20): 5-19, figs. 1 & 2.
- 1955b. Additions to Previously Revised Families of Fishes of the Museu Municipal do Funchal. *Op. cit.*, 8(21).
- 1955c. Five species of rare Sharks new for Madeira including two new to science. *Not. Nat.* 279: 1-13, figs. 1-20.
- 1956a. Monografia dos Peixes do Museu Municipal do Funchal. Ordem Discocephali. *Bol. Museu Municipal do Funchal*, 9(23): 5-75, figs. 1-5.
- 1956b. Additions to Previously Revised Orders or Families of Fishes of the Museu Municipal do Funchal (Stomiidae, Astronesthidae, Paralepididae). *Op. cit.*, 9(24): 75-96, figs. 6-18.
- 1956c. (With W. J. REES) The Cephalopoda of Madeira. Records and Distribution. *Bull. Brit. Mus. Nat. Hist.*, 3(6): 259-281.
1957. Further Additions to the Previously Revised Family Searsidae. *Bol. Mus. Mun. Funchal*, 10(25): 5-21, figs. 1-5.
1958. (With G.W. MEAD) *Taractes asper* and the systematic relationships of the Steinegeriidae and Trachyberycidae. *Bull. Mus. Comp. Zool.*, 119(6): 393-418, figs. 1-7, 1 plate.
- 1959a. *Aulostomus*, a Recent Spontaneous Settler in Madeiran Waters. *Bocagiana* 1: 1-18, fig. 1.
- 1959b. On a specimen of *Bathylaco nigricans* GOODE and BEAN taken from the stomach of *Aphanopus carbo*. *Op. cit.*, 4: 1-8, fig. 1.
1961. The Ceratioid Fishes in the Collection of the Museu Municipal do Funchal (Melanocetidae, Himantolophidae, Oneirodidae, Linophrynidae). *Bol. Mus. Mun. Funchal*, 14(50): 87-159, figs. 1-32.
- 1962a. On a small Collection of Ceratioid Fishes from off Dakar and two recently acquired specimens from stomachs of *Aphanopus carbo* taken in Madeira (Melanocetidae, Himantolophidae, Diceratiidae, Oneirodidae, Ceratiidae). *Op. cit.* 16(54): 5-27, figs. 1-10.
- 1962b. Report of the Fishes taken in Madeiran and Canarian Waters during the Summer-Autumn

- Cruises of the "Discovery II" 1959-1961. I. The Ceratioid Fishes (Melanocetidae, Himantolophidae, Oneirodidae, Gigantactinidae, Linophrynidae). *Op. cit.*, **16**(56): 33-46, figs. 1-6.
- 1962c. On four rare Paralepidids from off Dakar, with a discussion on two type specimens of *Omosudis elongatus* BRAUER from the Atlantic Ocean. *Bull. de l' I.F.A.N.*, T. **XXIV**. sér. A, N° 2: 523-550, figs. 1-9.
- 1962d. (With M. R. CLARKE) A Description of the "Scaled" Squid *Lepidoteuthis grimaldi* JOUBIN, 1895. *Proc. Zool. Soc. Lond.*, **109**(1): 97-118, figs. 1-10, plates 1-8.
- 1964a. (With C.H.C. PICKERING) Scientific Expedition to the Selvagens Islands, July 1963. I. Introduction. *Bol. Mus. Mun. Funchal*, **18**(73): 129-131, fig. 1.
- 1964b. Observations on Young Live *Mupus maculatus* (GÜNTHER) and *Mupus ovalis* (VALENCIENNES). *Copeia*: 93-97.
1965. On a new Genus and Species of Paralepidid from Madeira. *Bol. Mus. Mun. Funchal*, **19**(81): 55-61, fig. 1.
1966. (With J. CADENAT) Note d'Ichtyologie ouest-africaine. XLIII. - Description d'une espèce nouvelle du genre *Apristurus*, *Apristurus maderensis* [Sélaciens, Scyliorhynidae]. *Bull. de l'IFAN*, Tome **XXVIII**, série A, N° 2, pp. 769-782, figs. 1-4.
1967. (With R. KANAZAWA) Description of a new genus and species of the eel family Nemichthyidae from the eastern Atlantic. *Bocagiana*, **12**: 1-6, 2 plates.
- 1969a. On the Genus *Cetomimus* (Cetomimidae) with the description of a New Species. *Bocagiana* **18**: 1-12, fig. 1.
- 1969b. A New Subspecies of *Lampadena urophaos* PAXTON, 1963 from the Atlantic Ocean. *Op. cit.*, **22**: 1-8, figs. 1 & 2.
1970. (With J. BLACHE and L. SALDANHA) Présence d'adultes et de larves de *Nettodarus brevirostris* et de *Nettodarus* sp. dans l'Atlantique Orientale. *Arq. Mus. Boc.*, **11**(16): 319-331, figs. 1-15.
- 1971a. Report on the Fishes taken in Madeiran and Canarian Waters during the Summer-Autumn Cruises of the "Discovery II" 1959 and 1961. III. Order Iniomi I. On a toothless, sexually mature *Anotopterus*. *Bocagiana* **28**: 1-15, figs. 1-5.
- 1971b. On a new Goby of the genus *Lesueurigobius* from off the Atlantic Coast of Morocco and Madeira (Percomorphi, Gobioidae, Gobiidae). *Op. cit.*, **29**: 1-7, figs. 1 & 2.
- 1972a. On a New Species of the Genus *Callionymus* from the Great Meteor Seamount (Percomorphi, Callionymoidea, Callionymidae). *Op. cit.*, **30**: 1-8, figs. 1-4.
- 1972b. On a New Species of Eel of the Genus *Gnathophis* (Apodes, Congridae) from the Meteor Seamount. *Op. cit.*, **31**: 1-7, figs. 1-7.
- 1972c. On Observations made during dive XIII in the Madeira Area from the Bathyscaphe "Archimède". *Publ. Centre Nati. l'Expl. Océ.* (CNEXO), **3**: 11-26, fig. 1.

- 1972d. In Check-list of the fishes of the north-eastern Atlantic and the Mediterranean (Ciofnam): Macristiidae, 36: 113; Scopelarchidae, 59: 199; Evermannellidae, 60: 200; Alepisauridae, 61: 201; Omosudidae, 62: 202; Anotopteridae, 64: 211; Diretmidae, 113: 338; Melamphaidae, 117: 343-346; Caulophrynidae, 213:666; Melanocetidae, 214: 667; Himantolophidae; 215: 668; Diceratiidae, 217: 670-673.
1976. The fishes taken in bottom trawls by R.V. "Meteor" during the 1967 Seamounts cruises in the Northeast Atlantic. "*Meteor*" *Forsch. - Ergebnisse* D (22): 1-69, figs. 1-37, pl.1.
1977. (With D.E. SERGEANT) New Cetacean Records from Madeira. *Bocagiana* 43: 1-8, figs. 1-5.
1981. Berycidae, Trachichthyidae. In FISCHER, W., G. BIANCHI & W.B. SCOTT (Eds.), FAO Species identification sheets for fishery purposes. Eastern central Atlantic; fishing areas 34, 37 (in part). 1-7. pag. var.
- 1986a. In The fishes of the north-eastern Atlantic and the Mediterranean (FNAM): Berycidae : 740-742; Trachichthyidae: 749-752; Melamphaeidae: 756-765; Stephanoberycidae: 766.
- 1986b. (With L. SALDANHA, M. BISCOITO & F. ANDRADE) On the Identity of *Heteroconger longissimus* GÜNTHER, 1870 and *Heteroconger halis* (BÖHLKE, 1957) (Pisces Congridae). *Bocagiana*, 104: 1-17
1989. (With M. BISCOITO) A New Species of *Laemonema* from the Northeastern Atlantic (Pisces: MORIDAE). *Bocagiana*, 127: 1-8
- 1990a. Stephanoberycidae, Berycidae. In QUÉRO, J.C., J.C. HUREAU, C. KARRER, A. POST & L. SALDANHA, Check-list of the fishes of the eastern tropical Atlantic. 1492pp. UNESCO.
- 1990b. (With M. BISCOITO) Melamphaeidae, Trachichthyidae. In QUÉRO, J.C., J.C. HUREAU, C. KARRER, A. POST & L. SALDANHA, Check-list of the fishes of the eastern tropical Atlantic. 1492pp. UNESCO.