

REVISED LIST OF THE SPECIMENS OF CONUS
GLORIA-MARIS CHEMNITZ IN THE COLLECTIONS
OF THE WORLD

BY

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Zoological Museum, Amsterdam

„*Gloria maris ad Gloriam Beauforti*”

Since F. Azpeitia Moros, in 1927 (*Revista Acad. Cienc. Madrid*, Vol. 23, 1927, p. 511—530), published his account of the specimens of *Conus gloria-maris* in public and private collections and in literature, many new and interesting details on the adventures of various individuals have come to my knowledge. This has led me to make systematic inquiries in the shell collections all over the world and, finally, to compile the following new survey of the representatives of this distinguished species. In spite of many efforts various particulars could not be found out; hence the author is well aware that the revision is not a final one. She hopes, however, that this contribution may serve to draw the attention of systematists and cabinet owners to this idol of conchology, persuading them to publish such items as are insufficiently checked here.

The author is most grateful to all the friends and colleagues, officials of public museums and private collectors, who have so kindly supplied the necessary information.

A. SPECIMENS ACTUALLY PRESENT

a. The Netherlands

I. *Amsterdam, Zoological Museum* (Pl. VIII, fig. 2)

Locality: Wahaai, id. of Ceram, after a storm. Date: 1896. Collector: Dr. P. Wijga. Size: height 107.7 mm, breadth 44 mm. Price: sold to mr. L. Muller, together with a lot of other shells in 1932 and afterwards delivered over to the Amsterdam Zoological Museum in exchange for other shells. Figure: a photograph in the Amsterdam Museum and figured on plate 1 fig. b in *Basteria*, Vol. 3, 1938. Description: *Basteria*, Vol. 3, 1938, p. 11-15.

Collections: P. Wijga 1896—1932, L. Muller 1932—1943, Zoological Museum, Amsterdam 1943 — onwards

II. *Rotterdam, Natural History Museum* (Pl. VIII, fig. 1)

Locality: unknown. Date: probably presented in 1869 to the Rotterdam Zoological Garden. Collector: probably N. P. van den Berg c.s. Size: height 135.7 mm, breadth 53 mm, height of aperture 115 mm. Price: no price, as it was presented. Figured: *Basteria*, Vol. 3, 1938, pl. 1, fig. c. Description: Van Bemmelen, *Jaarb. Rott. Dierg.* 1868—1869, p. 51; manuscript catalogue of the conchological collection of the Rotterdam Zoological Garden by M. M. Schepman; Melvill, *Mem. Manch. Lit. Phil. Soc.* (3) Vol. 10, 1887, p. 89; Miner, *Natur. Hist.* Vol. 23, 1923, p. 328 (erroneously mentioned from Amsterdam); Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 521; Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15. Collections: Van den Berg c.s., *Rotterdamsche Diergaarde*, 1869—1939, *Natuurhistorisch Museum*, Rotterdam, 1939 — onwards

III. *Leiden, Rijksmuseum van Natuurlijke Historie* (Pl. IX, fig. 5)

Locality: Océan Indien. Date: unknown. Collector: unknown. Size: height 132 mm, breadth 50 mm. Price: purchased from Collection Raye van Breukelerwaert for f 250.—. Figured: *Basteria*, Vol. 3, 1938, pl. 2, fig. d. Description: *Catalogue du cabinet célèbre et très renommé d'objets d'histoire naturelle... délaissé par Joan Raye, seigneur de Breukelerwaert*, 1827, p. 128, no. 197; Horst & Schepman, *Catalogue systématique des Mollusques*, *Mus. d'Hist. Nat. des Pays Bas*, 1898, p. 33 and p. VII; Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15. Collections: Raye van Breukelerwaert till 1827, *Rijksmuseum van Natuurlijke Historie* 1827 — onwards

IV. *Leiden, Rijksmuseum van Natuurlijke Historie* (Pl. IX, fig. 4)

Locality: Bay of Piru, Id. of Ceram. Date: 1892. Collector: K. Martin. Size: height 93 mm, breadth 34 mm. Price: the shell was presented to the *Rijksmuseum* by the collector. Figured: *Basteria*, Vol. 3, 1938, pl. 2, fig. e. Description: Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15.

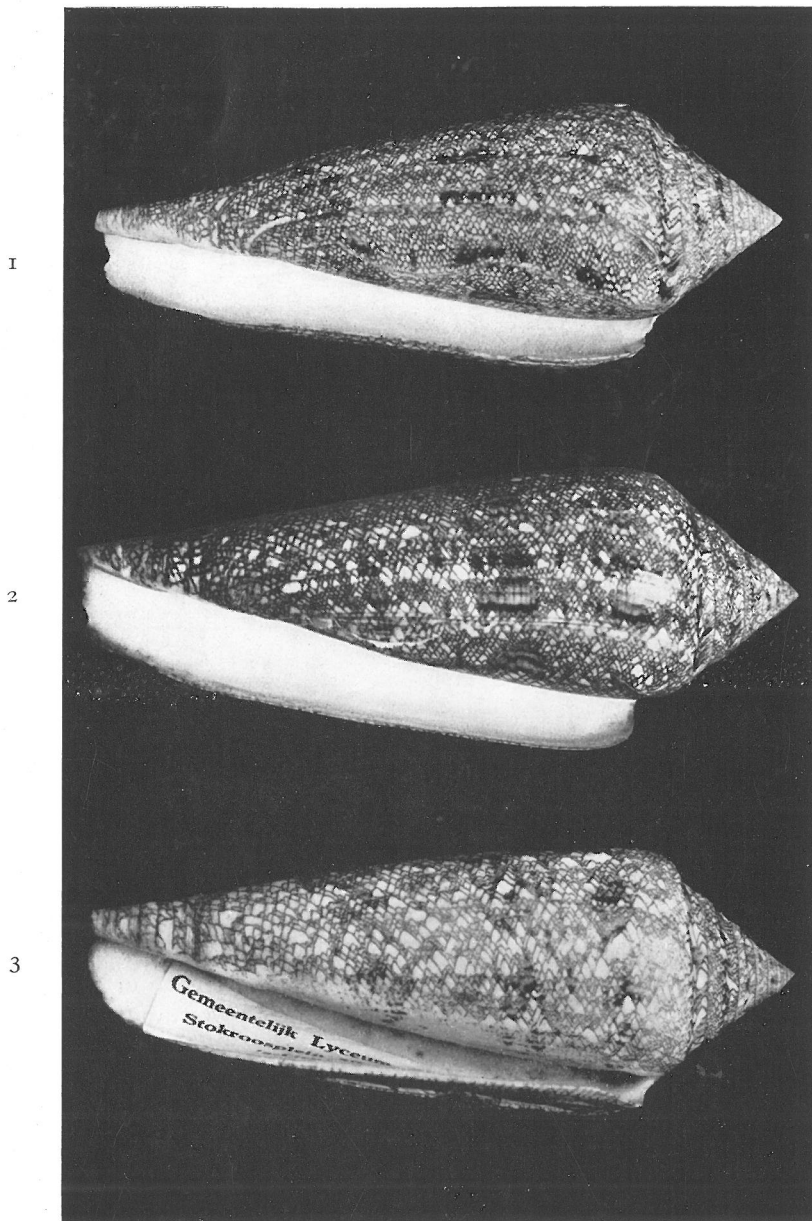
V. *The Hague, Municipal Lyceum* (Pl. VIII, fig. 3)

Locality: Amboina. Date: unknown. Collector: a dentist surgeon. Size: height 86 mm, breadth 33.2 mm. Price: bequeathed by the dentist to the Lyceum. Figured: *Basteria*, Vol. 3, 1938, pl. 1, fig. c. Description: Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15.

b. Denmark

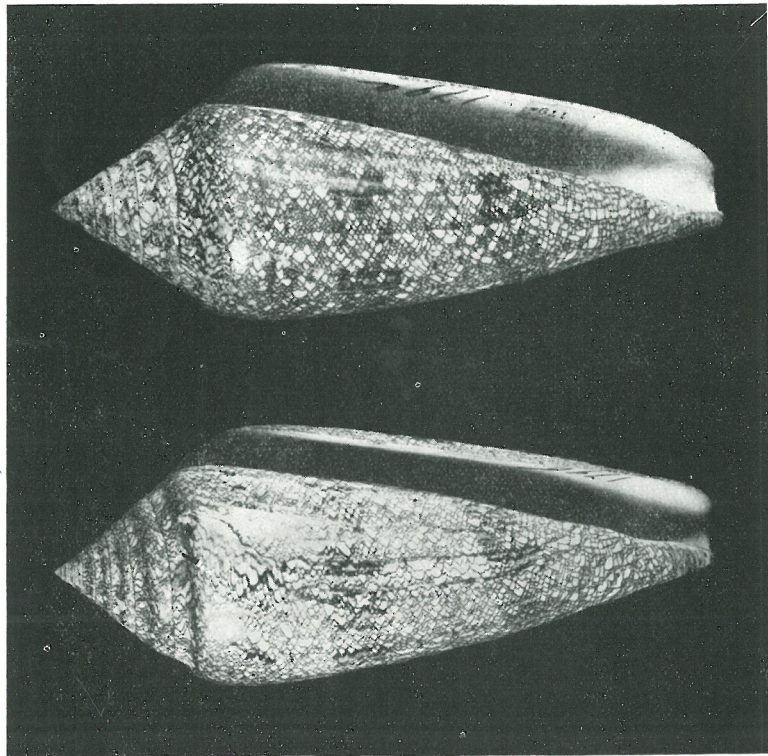
VI. *Zoological Museum of the University, Copenhagen*

Locality: unknown. Date: unknown. Collector: unknown. It was purchased at the sale of Sluyter (also spelt: Schluyter, or Schlüter) at Amsterdam in



after "Basteria" III, 1938)

Conus gloria-maris Chemn., belonging to 1. Natural History Museum, Rotterdam;
2. Zoölogisch Museum, Amsterdam; 3. Municipal Lyceum, The Hague.



(after "Basteria" III, 1938)
Conus gloria-maris Chemn., belonging to Rijksmuseum van Natuurlijke
Historie, Leiden, 4. presented by Prof. MARTIN, 5. from Raye Collection.

1757 for Count von Moltke. Price: 49 guilders (or 47 guilders according to Spengler). Size: height 93 mm, breadth 37 mm on the plate in Chemnitz, 1777, but 92 mm and 35 mm according to the description by Bruun, 1945. Figured: Chemnitz, Beschäftig. Berl. Ges. naturf. Freunde, Vol. 3, 1777, pl. VIII, fig. 8; Lieberkind, Brehm, Dyrenes Liv, Bd. 1, Afsn. 1, 1929 pl. 11, fig. 22; Bruun, Dyr i Natur og Museum, 1943—1944, fig. 1 and 4; Bruun, Vidensk. Medd. Dansk naturh. Foren. Vol. 108, 1945, pl. 1. Description: Museum Schluysterianum, 1757, p. 1, no. 6; Regenfuss, Auserlesne Schnecken, Vol. 1, 1758, p. IX; Chemnitz, 1777, l.c. p. 329; Argenville, La Conchyliologie etc. 3rd edition, edited by Favanne, vol. 1, 1780, p. 811-812; Spengler, Journ. f. d. Liebhaber d. Steinr. u. d. Konchyl. Vol. 6, 1780, p. 494—497; Chemnitz, N. Syst. Conch. Cab. Vol. X, 1788, p. 74; Bruguière, Encycl. Méth. Vol. 6, 1789, p. 757; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 526; Lieberkind, l.c. 1929; Bruun, l.c. 1943—1944, p. 61—66; Bruun, l.c. 1945, p. 95—101. Collections: Sluyter, till 1757, Count von Moltke 1757—1810, King Christian VIII, 1810—1849, Zoological Museum, Copenhagen 1849 — onwards. This specimen is the type specimen.

c. United Kingdom

VII. *British Museum (Natural History), London*

Locality: unknown. Date: unknown. Collector: unknown. Size: height 128 mm, breadth 47.8 mm, according to plate in Catalogue of the Tankerville Collection height 130 mm, breadth 49 mm. Price: see below. Figured: Sowerby, Catal. Tankerv. Coll., 1925, pl. VIII, fig. 1—2. Description: Perry, Arcana or the Museum of Natural History, 1811; Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 88; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 519. Collections: Portland Collection, Tankerville Collection, Broderip Collection (no. 3367) till 1837, British Museum 1837 — onwards. The Earl of Tankerville paid £ 90.— for this shell (Reeve, in litt.). Note on the back of the board of the specimen in the British Museum: "Broderip paid £ 52 for his specimen. It was purchased for him by Mrs Mawe".

VIII. *British Museum (Natural History), London*

Locality: Jacna, Id. of Bohol, Philippines, on the reefs at low water. Date: 1838. Collector: Hugh Cuming. Size: height 77.8 mm, breadth 28.7 mm. According to plate in Conchol. Icon: height 78 mm, breadth 27 mm. Price: unknown. Figured: Reeve, Conchol. Icon. Vol. 1, 1843, Conus, pl. 6, fig. 31 a and b. Descriptions: Conchol. Icon. Vol. 1, Conus, 1843, species 31; Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 88; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 519.

Cuming found 3 shells of *Conus gloria-maris* under a stone. "I almost fainted with delight" (Journ. of Conch. Vol. 8, 1895, p. 72 and footnote). Two specimens are now in the British Museum. Where is the third?

IX. *British Museum (Natural History), London*

Locality: as preceding. Date: as preceding. Collector: as preceding. Size: height 42.3 mm, breadth 16 mm (Moros, 1927, says: height 36 mm). Price: unknown. Figured: Reeve in Conchol. Icon. does not figure this specimen, because "the reticulations are so extremely fine as to defy the skill of the lithographer". Descriptions: Conchol. Icon. Vol. 1, 1843, *Conus*, species 31; Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 88; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 519.

X. *British Museum (Natural History), London*

Locality: unknown, purchased in London on the Caledonian Market. Date: unknown. Collector: unknown, purchased by G. C. Robson on behalf of the British Museum. Size: height 71 mm, breadth 26 mm. Price: £ 5.—. Figured: not figured. Description: no description.

XI. *British Museum (Natural History), London*

Locality: Bohol, Philippines. Date: unknown. Collector: unknown. Size: height 124 mm, breadth 47 mm. Price: The shell was sold and resold several times going from one hand into the other. Nowhere, however, did I find a price mentioned. Figured: not figured. Descriptions: Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 88—89; Editor, Journ. of Conch. Vol. 16, 1919, p. 66; Eales, Proc. Mal. Soc. London, Vol. 23, 1938, p. 15 footnote; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 520. Collections: Mr. Norris (Preston); Mrs. De Burgh (London) till 1919; MacAndrew (Dartmoor) 1919—1941; British Museum (Natural History) 1941 — onwards.

There is a certain discrepancy in the ascertainment of the first possessor. In 1887 Melvill (l.c.) mentioned Mr. Norris as the first owner, but in 1900 (Journ. of Conch. Vol. 9, p. 346—347) he related that Reeve had purchased in Rotterdam, at the auction of General Von Ryder, two *gloria-maris*, of which one went to Lombe Taylor and one to Mrs De Burgh.

XII *St. Leonards on Sea, J. R. le B. Tomlin*

Locality: unknown. Date: unknown. Collector: unknown. Size: height on Melvill's figure 106 mm. Price: see below. Figured: Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, pl. 8, fig. 2. Descriptions: Melvill, 1887, l.c. p. 89; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 520. Collections: there are a few uncertain points in the history of this shell. In a letter to the Melbourne Museum dated May 18, 1865 Reeve offered for sale for £ 70 a *Gloria-maris* which he had bought more than 25 years previously at The Hague (probably the sale of General Von Ryder, of Rotterdam). Contrary to the statement by Melvill (1887, p. 90), copied by Moros (1927, p. 522) the Melbourne Museum did *not* buy it. Melvill mentioned further that the prospected purchase of the Melbourne Museum formerly belonged to Mr. Dennison, of Liverpool. Some years later the same author (Journ. of Conch. Vol. 9, 1900,

p. 346—347) stated that one of General Von Ryder's shells went to Mrs De Burgh (see no. VII of the present list) and one to Lombe Taylor. All this fragmentary knowledge taken together I came to the following conclusion: Von Ryder, Reeve (as a dealer), Dennison, Reeve (as a dealer), Lombe Taylor till about 1880, Prévost, Melvill till 1919, Tomlin 1919 — onwards, although it seems rather curious that Melvill (1887, l.c.) should not have been aware that the Gloria-maris in his own collection was the cancelled salesobject of the Melbourne Museum.

d. Switzerland

XIII. Geneva. Natural History Museum

Locality: unknown. Date: unknown. Collector: unknown. Size: height 87.75 mm, breadth 34 mm. Price: the shell went through many hands, but we know of only one case that a price was mentioned, viz. when Sollier de la Touche purchased it from Hwass for frs 1600 in 1804. Figured: Bruguière, *Encycl. Méth.* Vol. 6, 1789, p. 756, no. 146, pl. 347, fig. 7; Delessert, *Recueil de Coq.* 1841, pl. 40, fig. 16 a, b; Chenu, *Ill. Conchyl.* 1843, pl. 4, fig. 10 a, b; Kiener, *Icon. Coq. Viv.* Vol. 2, *Conus*, p. 326, 1850, pl. 76, fig. 1, pl. 77, fig. 1; Chenu, *Manuel de Conch.* 1859, p. 247, fig. 1496, p. 249, fig. 1525; Mermod *Rev. Suisse Zool.* Vol. 54, 1947, fig. 4. Descriptions: Lamy, *Journ. de Conch.* Vol. 74, 1930, p. 59; Lamy, *Cabinets d'Hist. Nat.* 1930, p. 28; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 527 and 528; Mermod, l.c. p. 184—185. Collections: Hwass (Paris) till 1804; Sollier de la Touche 1804—1819; Prince Masséna 1819—1840; Delessert 1840—1869; Natural History Museum, Geneva 1869 — onwards.

It is not certain whether the shell was in the hands of Mr. L. C. M. Richard after it came from Sollier de la Touche and before it went to Prince Masséna, as Lamy stated in his study of French Natural History Cabinets of 1930, p. 28.

e. Belgium

XIV. Brussels. Royal Natural History Museum of Belgium.

Locality: Philippines. Date: unknown. Collector: unknown. Size: height 96 mm, breadth 38 mm, height of aperture 80 mm. Price: 1000 frs (verbal communication of Hidalgo to Moros). Purchased by Dautzenberg from Messrs Sowerby & Fulton for £ 40.—. Figured: not figured. Descriptions: Hidalgo, *Cat. Moluscos Test. Islas Filipinas, Jolo y Marianas*, 1904, p. 100; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 524. Collections: General Tripe (Devonport); Dautzenberg (Paris) till 1935; Roy. Natural History Museum, Brussels 1935 — onwards.

f. France

XV. St. Omer. Dupuis Collection

Locality: "in his (i.e. Carl Bock's) eastern travels" (Melvill, 1887). Date:

unknown. Collector: Dr. Carl Bock. Size: unknown. Price: "sold at Stevens's Auction Rooms, July 1880, with a great deal of competition" (Melvill, 1887). Figured: not figured. Descriptions: Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 89; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 520. Collections: Carl Bock till 1880; Dupuis (St. Omer) 1880 — onwards

Tomlin (Proc. Mal. Soc. London, Vol. 24, 1941, p. 158) stated that the auction took place on June 8, 1880 (not July 1880) there being sold a collection of "a gentlemen many years resident in Amboyna".

In view of the fact that almost 70 years have elapsed since the presence of a *Gloria-maris* in the Dupuis Collection was published I wonder if the shell is still in the same place. The Muséum National d'Histoire Naturelle in Paris where I applied for information, unfortunately could not give me the desired news.

g. Spain

XVI. Madrid. *Azpeitia Moros Collection*

Locality: unknown. Date: unknown. Collector: unknown. Size: height 99 mm, breadth 35 mm, weight 26.5 gram. Price: unknown. Figured: Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, pl. 1. Description: Moros, l.c. p. 524—526. Collections: D. Eliseo Varela Abrales till 1927; F. A. Moros 1927 — onwards.

h. Portugal

XVII. Lisbon. *Natural History Museum*

Locality: unknown. Date: unknown. Collector: unknown. Size: unknown. Price: unknown. Figured: not figured. Descriptions: Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 89; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 521. Collections: Verreaux (Paris); Damon (Weymouth) (as a dealer); H.M. the King of Portugal; Natural History Museum, Lisbon.

Concerning this specimen Moros (l.c.) relates another story, viz. that the shell was probably brought from the Philippines by a Spanish sailor Gilly (vide Hidalgo, Catal. Mol. Test. Islas Filip., Jolo y Marianas, 1904, p. 99) who should have sold it to Mr. Elizalde of Cadix. This gentleman should have sold it to a dealer in natural history specimens for 800 francs. According to Moros these facts could represent the first phase of this shell's adventures; the second part continuing as quoted above.

i. Italy

XVIII. Florence. *Museo Zoologico della Università*

Locality: coasts of the Philippines. Date: unknown. Collector: unknown. Size: height 82 mm, breadth 30 mm. Price: purchased July 3, 1878 by the

Marchioness Paolucci for 750 francs. Figured: not figured. Descriptions: Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 89; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 520. Collections: the Hon. Mrs. MacAdam Cathart (Dalmellington, Scotland); Sowerby (as a dealer) till 1878; the Marchioness Paolucci 1878—1919; bequeathed to Zoological Museum of the University of Florence, 1919 — onwards.

j. Hungary

XIX. *Budapest. Magyar Nemzeti Muzeum*

Locality: Philippines. Date: unknown. Collector: unknown. Size: height 70 mm. Price: unknown. Figured: not figured. Description: Catalogus Moluscarum Collectionis Alcsúthensis, I, VI, 31. Collections: H. H. the Archduke Joseph; National Museum of Hungary.

k. United States of America

XX. *New York. American Museum of Natural History.*

Locality: Moluccas. Date: unknown. Collector: unknown. Size: height 122 mm, breadth 40 mm. Price: purchased by the American Museum from W. F. Webb (as a dealer) in 1922 for \$ 250. At a previous occasion this very same shell was sold by H. C. Fulton (as a dealer) to Mrs. S. L. Williams for £ 36.—. Figured: Miner, Natural History, Vol. 23, 1923, pl. 1; Miner, Natural History, Vol. 40, 1937, pl. 1. Descriptions: Melvill, Mem. Manch. Lit. Phil. Soc. (3) Vol. 10, 1887, p. 89—90; Miner, l.c.; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 521. Collections: Dr. James Cox (Australia); H. C. Fulton (London) (as a dealer); Mrs S. L. Williams (Chicago); W. F. Webb (Rochester) (as a dealer); American Museum of Natural History, 1922 till onwards.

XXI. *New York. American Museum of Natural History*

Locality: unknown. Date: unknown. Collector: unknown. Size: height 109 mm, breadth 44 mm. Price: unknown. Figured: Miner, Natural History Vol. 23, 1923, p. 328. Descriptions: Miner, l.c. p. 325—328. Collections: H. C. Fulton (London) (as a dealer); F. A. Constable (New York); American Museum of Natural History.

XXII. *New York City. Mr. Allister Bradley Martin*

Locality: unknown. Date: unknown. Collector: unknown. Size: unknown. Price: purchased by A. B. Martin from A. L. Ward for \$ 500.— in 1943. Figured: not figured. Descriptions: no description. Collections: A. L. Ward (Shelbyville) till 1943; A. L. Martin (New York City) since 1943.

B. SPECIMENS ONLY KNOWN FROM LITERATURE

(As the details concerning many specimens in this division are so fragment-

ary it is impossible to observe the classification according to the countries as in the preceding paragraph).

1. *Rotterdam. Abraham Gevers.*

Locality: unknown. Date: unknown. Collector: unknown. Size: height 101.5 mm ($3\frac{3}{4}$ inch). Price: purchased by Meuschen for Gevers at the Leers sale (1767) for 10 guilders (vide Van Benthem Jutting, *Bijdr. t. d. Dierk.* Afl. 27, 1939, p. 202—203). Figured: not figured. Descriptions: *Catal. syst. d'un magnif. Cabinet de très belles Coquilles etc.* Arnoud Leers, 1767, p. 75, no. 736; *Museum Geversianum sive Index Rerum Naturalium*, 1787, p. 366, no. 1087; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 526; Van Benthem Jutting, l.c. Collections: Arnoud Leers till 1767; Abraham Gevers, 1767—1787. It is not impossible that the *Gloria-maris* of Gevers after the death of this collector went to C. P. Meyer (see following entry). The two shells are both $3\frac{3}{4}$ inch high.

2. *Utrecht. Christiaan Paul Meyer.*

Locality, date, collector and price unknown. Size: height 101.5 mm ($3\frac{3}{4}$ inch). Figured: not figured. Descriptions: *Museum Meyerianum, sive Catalogus Rerum Naturalium etc.* 1802, p. 82, no. 121; Van Benthem Jutting, *Bijdr. t. d. Dierk.* Afl. 27, 1939, p. 203. Collections: It is not impossible that Meyer's *Gloria-maris* came from the Gevers collection, as the two shells are equally high (see no. 1).

3. *The Hague. Pierre Lyonet*

Locality, date, collector and size unknown. Price: purchased at a Dutch shell sale for 120 guilders (Schröter, *Journ. f. d. Liebhaber d. Steinreichs*, Bd. 6, 1780, p. 497). Figured: not figured. Descriptions: *Argenville, La Conchyliologie etc.* 3rd edition, prepared by Favanne, Vol. 1, 1780, p. 343; *Mémoire par lequel on offre de vendre en masse le Cabinet de feu M. Pierre Lyonet etc.* no date; *Catalogue raisonné du célèbre Cabinet de Coquilles de feu M. Pierre Lyonet*, 1796, p. 56; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 527; Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15.

Collections: It is not known what became of Lyonet's *Gloria-maris*. It did not go to Madame de Bandeville or to Mr. Tobias who both purchased from the Lyonet cabinet (vide Van Benthem Jutting, l.c.).

4. *Utrecht. Douairière F. J. M. Rethaan Macaré née Ontijd*

Locality, date, collector, size and price unknown. Figured: not figured. Descriptions: Melvill, *Mem. Manch. Lit. Phil. Soc.* (3) Vol. 10, 1887, p. 89; *Catalogue de la précieuse Collection de Coquilles etc.... le tout délaissé par Mme Rethaan Macaré née Ontijd*, 1888, p. 52, no. 4588; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 521; Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15. Collections: After the death of Mrs. Rethaan Macaré the collection was sold. According to pencil annotations in the catalogue by Jonkheer W. N. M. van de Blocquery, then curator of Mollusca of the Roy. Zool. Society „*Natura Artis Magistra*” who attended to the auction, the

Gloria-maris shell was purchased for f 230.— by a certain Mr. Van Doorn. It is not certain whether this refers to a private collector Van Doorn, or whether it can stand for the name of the notary public, Mr. E. C. U. de Balbian van Doorn who might have bought it in charge of an unknown customer.

5. *The Hague. Vice Admiral P. A. van Rees.*

Locality, date, collector, size and price unknown. Figured: not figured. Descriptions: Catalogue de la Collection de Coquilles etc. délaissée par le Vice-Admiral P. A. van Rees, La Haye, 1900, p. 26; Van Benthem Jutting, *Basteria*, Vol. 3, 1938, p. 11—15. Collections: in 1900 Admiral Van Rees sold his collection to G. B. Sowerby (*Journ. of Conch.* Vol. 16, 1921, p. 214), probably including the *Conus gloria-maris*. The further adventures of this shell are unknown.

6. *Hamburg. Natural History Museum.*

Locality: Philippines. Date: During the Spanish Government of the Philippines. Collector: unknown. Size: height 93 mm (according to Moros, see below) or 95 mm (according to Degner, see below). Price: unknown. Figured: Ehrhardt, *Muscheln und Schnecken*, 1941, pl. 40. Descriptions: The Nautilus, Vol. 4, 1890, p. 71; Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 522—524; Degner, in: Ehrhardt, l.c. 1941, p. XVIII. Collections: O. von Moellendorff; Hermann Rolle (as a dealer); Mr. S. purchased it from Rolle for 2000 marks and bequeathed it to the Hamburg Natural History Museum. In this Institute it was destroyed by an air raid in 1943.

7. *Hamburg. Natural History Museum.*

Locality: Moluccas. Date and collector unknown. Size: height 88 mm. Price: unknown. Figured: not figured. Description: Moros, *Rev. Acad. Cienc. Madrid*, Vol. 23, 1927, p. 524. Collection: Natural History Museum till 1943 when it was destroyed by an air attack.

8. *? Stainforth Collection.*

Locality, date, collector, size and price unknown. Figured: Reeve, *Conch. Icon.* Vol. 1, 1843, *Conus*, pl. 6, sp. 31 and frontispiece. Descriptions: Reeve, l.c.; Melvill, *Journ. of Conch.* Vol. 9, 1900, p. 347. Collections: Stainforth collection. This collection was sold by auction about 1850 (Davy Dean, *Journ. of Conch.* Vol. 20, 1936, p. 239). It is unknown where the Gloria-maris has gone to. According to Reeve (in litt.) the Rev. F. J. Stainforth obtained his specimen from a Mr. Simon of Amsterdam.

9. *Probably Rome. Rigacci Collection.*

No other details are known than the following information in a letter from Dr. C. Alzona (Genova) to the author, dated November 12, 1946: "I hear from Rome that in the old Rigacci Collection there were 2 specimens which, however, have disappeared".

10. *? C. A. de Calonne Collection.*

Locality, date, collector, size and price unknown. Figured: not figured. *Bijdragen tot de Dierkunde*, Afl. 28.

Descriptions: Museum Calonnianum, 1797 p. 16, no. 254; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 527.

There is much confusion in regard to the Gloria-maris of Calonne. It is possible that he purchased it at the sale of the collection of the Duchess Dowager of Portland in 1786. In that case the Duchess of Portland must have possessed two specimens as one went via the Tankerville and Broderip Collections to the British Museum (see no. VII of the present article). Another possibility is that Calonne bought a Gloria-maris at the auction of the Gevers Collection in 1787 (see no. 1 of the specimens only known from literature in this article), unless this specimen went to C. P. Meyer. Where the Gloria-maris of the Calonne Collection landed after the sale in 1797 is unknown either. It is evident that this matter is still awaiting further explanation.

11. *Manila. Museum of the Collegium Universitatum of St. Thomas*

Locality: Id. of Cebu, Philippine Islands. Date: unknown. Collector: unknown. Size unknown. Price: unknown. Figured: not figured. Description: Elera, Catalogo sistematico de toda la fauna de Filipinas conocida hasta el presente, y a la vez el de la coleccion zoologica del Museo de P. P. Dominicos del Colegio-Universidad de Santo Tomas de Manila, 1896, Vol. 3, Moluscos y Radiados, p. 200; Moros, Rev. Acad. Cienc. Madrid, Vol. 23, 1927, p. 524; Collection: Collegium Universitatum of St. Thomas, till 1942 when it was destroyed by fire during a Japanese attack on Manila.

C. PUBLICATIONS WHERE CONUS GLORIA-MARIS IS MENTIONED WITHOUT REFERRING TO A SPECIAL COLLECTION

Hereafter there will follow some references in literature alluding to Gloria-maris and not mentioned earlier in this paper. These records are not connected with any special shell or collection. As Gloria-maris has been mentioned in literature so frequently this list does not claim to be exhaustive.

- J. S. Schröter, Einleitung in die Conchylien-Kenntniss nach Linné, Vol. 1, 1783, p. 63.
 S. L. P. Cubières, Histoire abrégée des Coquillages de Mer, An VIII, p. 197, pl. 6, fig. 1.
 J. B. de Lamarck, Sur la détermination des espèces parmi les animaux sans vertèbres etc. — Ann. du Mus. Vol. 15, 1810, p. 438—439.
 L. A. G. Bosc, Nouveau dictionnaire d'histoire naturelle etc. Nouvelle édition, Vol. 13, 1817, p. 238.
 L. W. Dillwyn, A descriptive catalogue of recent shells, Vol. 1, 1817, p. 424.
 H. M. Ducrotay de Blainville, Dictionnaire des Sciences Naturelles, Vol. 10, 1818, p. 260.
 J. B. de Lamarck, Animaux sans Vertèbres, Vol. VII, 1822, p. 526, no. 180.
 G. P. Deshayes, Dictionnaire Classique d'Histoire Naturelle, Vol. 7, 1825, p. 379.

- W. Wood, Index Testaceologicus, 2nd Edition, 1828, p. 77, no. 134, pl. 16, fig. 134.
- G. P. Deshayes and A. Milne Edwards, Histoire Naturelle des Animaux sans Vertèbres, Ed. II, Vol. 11, 1845, p. 126.
- G. B. Sowerby, Thesaurus Conchylorum, vol. 3, 1857, p. 43, pl. 24, fig. 586.
- S. P. Woodward, Recreative Science, 1860.
- H. C. Küster, in: Martini & Chemnitz, Neues Syst. Conchylien Cabinet, Bd. IV, Abt. 2, 1875, p. 42—43, pl. 7, fig. 1—2.
- G. W. Tryon, Manual of Conchology, Vol. 6, 1884, p. 89, pl. 29, fig. 90.
- Maxwell Smith, World-wide Sea Shells, 1940, p. 77, no. 1061.

D. ERRONEOUS REFERENCES

Tomlin, in 1936 (Proc. Malac. Soc. London, Vol. 22, p. 136), has already pointed out that the references under the name *Conus gloria-maris* in Perry, Conchology, or the Natural History of Shells, 1811, pl. 25, fig. 1, and in Röding, Museum Boltenianum, 1798, p. 49, no. 633 do not represent this species, but *Conus textile* L.

E. ABSENCE OF CONUS GLORIA-MARIS

As negative information can also be of a certain value I am adding that the following Museums have stated that they do not possess a *Conus gloria-maris*: Zoological Museum, Berlin; Senckenbergisches Museum, Francfort on the Main; Naturhistorisches Museum, Vienna; Natural History Museum (Monterosato Collection), Rome; Museo Civico di Storia Naturale, Genova; Naturhistorisches Museum, Basel; Muséum National d'Histoire Naturelle, Paris; National Museum of Victoria, Melbourne.



