

F.J.A. Slieker  
Natuurmuseum Rotterdam

# Catalogue of molluscan type specimens in the Natuurmuseum Rotterdam (Mollusca: Gastropoda, Bivalvia)

Slieker, F.J.A., 1995 - Catalogue of molluscan type specimens the Natuurmuseum Rotterdam (Mollusca: Gastropoda, Bivalvia) - DEINSEA 2: 33-40 [ISSN 0923-93]. Published 30 November 1995.

The molluscan type specimens deposited in the reference collection of the Natuurmuseum Rotterdam (NMR; Natural History Museum Rotterdam) are listed. It concerns type material of 65 (both recent and fossil) taxa, including 28 holotypes.

*Catalogus van type-materiaal van mollusken in het Natuurmuseum Rotterdam (Mollusca: Gastropoda, Bivalvia)* - In dit artikel wordt een overzicht gegeven van het type-materiaal van mollusken dat zich in de referentie collectie van het Natuurmuseum Rotterdam (NMR) bevindt. Het betreft type-materiaal van 65 (zowel recente als fossiele) soorten en ondersoorten, waaronder 28 holotypen.

Correspondence: F.J.A. Slieker, Natuurmuseum Rotterdam, P.O. Box 23452,  
NL-3001 KL Rotterdam, the Netherlands.

Keywords: malacology, type specimens, Mollusca, Gastropoda, Bivalvia, Natuurmuseum Rotterdam.

## INTRODUCTION

No consolidated list of type specimens in the Mollusca collection of the Natuurmuseum Rotterdam (NMR; Natural History Museum Rotterdam) has yet been compiled. Here a catalogue of all molluscan type specimens is presented. The sequence of families and higher taxa follows Vaught (1989). General data on current nomenclature were taken from Wenz & Zilch (1959-1960) and Janssen (1984). Historical data on the provenance of the types of *Entemnotrochus rumphii* (Schepman) and *Albinaria oertzeni* (Boettger) are from Nieuwenhuis (1981, 1990).

For the sake of completeness type specimens of taxa which are presently known as synonyms, are also mentioned in the list. Two forma's of *Policines helacinus*, described by A.W. Janssen, are included for the same reason. In case a revision has resulted in a generic allocation of a

taxon, the current name is also given. Minor taxonomical shifts, e.g. changes from subspecific to specific rank (or vice versa), are mentioned as well.

The Mollusca collection of the Natuurmuseum Rotterdam greatly benefitted from the work of A.W. Janssen while he was affiliated to the museum in the sixties and seventies (mainly Miocene material from Miste, Winterswijk, the Netherlands and Dingden, Germany). The work of H.P.M.G. Menkhorst on Greek and Turkish terrestrial gastropods and Mediterranean marine micro-molluscs yielded several type-specimens from his private collection. Other donations of type-material from private collections were done by L.A. Man in 't Veld, W.J.H. Onverwagt, G. van Roon and H.L. Strack. References to their collections are made in the catalogue.

The catalogue lists all data in the following standard sequence:

(1) name as given in the type description;

(2) author(s) and year of publication;

(3) kind of type(s) followed by NMR catalogue number(s);

Holotypes and paratypes are concerned; catalogue numbers are preceded by the museum's official abbreviation 'NMR'; the notation 5488/96 means catalogue number 5488 through 5496, being a total of 9 lots.

(4) provenance of the material, between brackets ( );

When nothing is mentioned, the specimens have been described from material which was already in possession of the NMR at the moment of the formal description; in case the type specimens were deposited in the museum afterwards, the original (source) collection is

given, indicated by 'Ex.Coll.', if applicable, followed by a catalogue number, e.g. (Ex.Coll.Man in 't Veld 1023); when the finding-locality of the NMR-types can not be retrieved from the type-description, such data are added directly after the 'Ex.Coll', e.g. (Ex.Coll.Menkhorst, from type locality) or (Ex.Coll.Onverwagt, Indonesia).

(5) reference to type description;

(6) current revised name (when applicable), sometimes followed by a relevant reference;

Senior names of synonyms are given between square brackets, preceded by '=', e.g. [= *Gegania cancellata* (Grateloup)]; generic allocation of a taxon or minor taxonomical shifts such as changes from subspecific to specific rank (or vice versa), are given between square brackets, e.g. [*Entemnotrochus rumphii* (Schepman)].

## CATALOGUE OF TYPE SPECIMENS

### CLASS GASTROPODA

#### PLEUROTOMARIIDAE

*Pleurotomaria rumphii* Schepman, 1879

Holotype NMR 13873. (Ex.Coll.Vereeniging Rotterdamsche Diergaarde). Type description: Tijdschrift Nederlandse Dierkundige Vereniging 4: 162-167. [*Entemnotrochus rumphii* (Schepman)] Fig. 1

#### TROCHIDAE

*Solariella formosa* A.W. Janssen, 1967

Holotype NMR 5471; paratypes NMR 5472/77. Type description: Geologica et Palaeontologica 1: 124.

#### SKENEIDAE

*Skenea minuta* A.W. Janssen, 1967

Holotype NMR 5497; paratypes NMR 5488/96, NMR 5498/99, NMR 5500/05. Type description: Geologica et Palaeontologica 1: 124-125.

*Daronia punctata* A.W. Janssen, 1967

Holotype NMR 5510; paratypes NMR 5508/09, NMR 5511/19. Type description: Geologica et Palaeontologica 1: 125.

*Daronia dingdensis* Anderson, 1964

Holotype NMR 3842. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 198-199.

*Putilla gottscheana westfalica* A.W. Janssen, 1967

Holotype NMR 5572; paratypes NMR 5562, NMR 5564/71, NMR 5573/75, NMR 5585/86. Type description: Geologica et Palaeontologica 1: 127. [*Putilla westfalica* Janssen; see Janssen 1984]

#### DIPLOMMATINIDAE

*Obscurella asturicum* Raven, 1990. Paratypes NMR 15938 (Ex.Coll.Menkhorst). Type description: Basteria 54 (1-3): 52-54.

**ACICULIDAE**

*Menkia horsti* Boeters, Gittenberger & Subai, 1985

Paratypes NMR 15939 (Ex.Coll.Menkhorst, from type locality). Type description: *Basteria* 49 (1-3): 60-63.

**RISSOIDAE**

*Alvania gittenbergeri* Van Aartsen & Menkhorst, 1988

Paratypes NMR 15937 (Ex.Coll.Menkhorst). Type description: *Basteria* 52 (1-3): 102-103.

*Cingula basteriae* Moolenbeek & Faber, 1986

Paratypes NMR 15942 (Ex.Coll.Strack, from type locality). Type description: *Basteria* 50 (4-6): 177-180. [*Setia basteriae* (Moolenbeek & Faber)]

*Cingula regiorivi* A.W. Janssen, 1967

Holotype NMR 5607; paratypes NMR 5608/11. Type description: *Geologica et Palaeontologica* 1: 128.

*Cingula pseudoproxima* A.W. Janssen, 1967

Holotype NMR 4186; paratype NMR 5616. Type description: *Geologica et Palaeontologica* 1: 128-129. [*Chevallieria pseudoproxima* (A.W. Janssen)]

*Manzonia boogi lanzarottii* Moolenbeek & Faber, 1987

Paratypes NMR 15945 (Ex.Coll.Strack, from type locality). Type description: *De Kreukel* 23 (2-3): 29-30.

*Manzonia pelorum* Moolenbeek & Faber, 1987

Paratypes NMR 15943 (Ex.Coll.Strack, from type locality). Type description: *De Kreukel* 23 (1): 15-16.

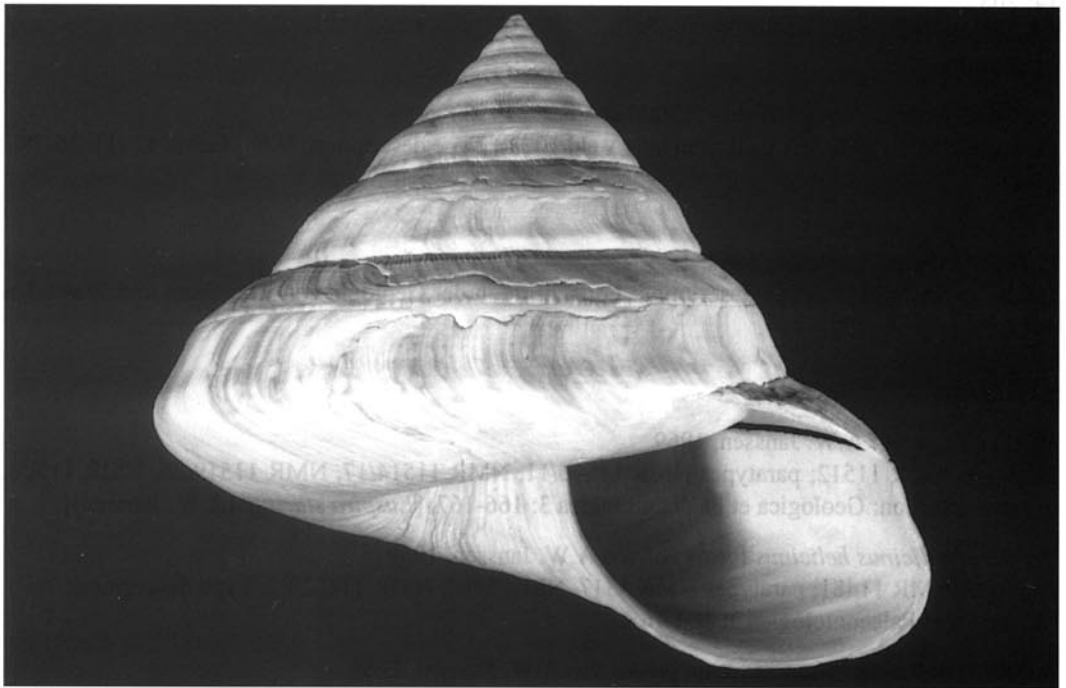


Figure 1 Holotype of *Pleurotomaria rumphii* Schepman, 1879 [*Entemnotrochus rumphii* (Schepman)], NMR 13873; [photogr. F.J.A. Slieker]

*Manzonia wilmae* Moolenbeek & Faber, 1987

Paratypes NMR 15944 (Ex.Coll.Strack, from type locality). Type description: De Kreukel 23 (2-3): 23-24.

*Pseudalvania dingdensis* A.W. Janssen, 1967

Holotype NMR 5618; paratypes NMR 3850, NMR 5617, NMR 5619/22. Type description: Geologica et Palaeontologica 1: 129.

#### VITRINELLIDAE

*Circulus praecedens gliberti* A.W. Janssen, 1967

Paratypes NMR 4171, NMR 5525/28. Type description: Geologica et Palaeontologica 1: 126

*Circulus quadricarinatus* A.W. Janssen, 1967

Holotype NMR 5529; paratypes NMR 4167, NMR 5530. Type description: Geologica et Palaeontologica 1: 126.

*Teinostoma hosiusi* A.W. Janssen, 1967

Holotype NMR 5657; paratypes NMR 4190, NMR 5658/64, NMR 6166. Type description: Geologica et Palaeontologica 1: 131-132. [*Solariorbis hosiusi* (A.W. Janssen)]

*Teinostoma partimstriatum* A.W. Janssen, 1967

Holotype NMR 5665; paratype NMR 5666. Type description: Geologica et Palaeontologica 1: 132. [*Solariorbis partimstriatus* (A.W. Janssen)]

#### MELANOPSIDAE

*Melanopsis jansseni* Anderson, 1964

Holotype NMR 3847. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 208.

#### STROMBIDAE

*Strombus vittatus entropi* Man in 't Veld & Visser, 1993

Paratype NMR 15940 (Ex.Coll.Man in 't Veld 1023). Type description: Vita Marina 42 (1): 26-28.

#### CAPULIDAE

*Capulus koeneni* Anderson, 1964

Holotype NMR 3852. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 222.

#### NATICIDAE

*Polinices starringi* A.W. Janssen, 1969

Holotype NMR 11512; paratypes NMR 11506/11, NMR 11514/17, NMR 11519/26, NMR 11528. Type description: Geologica et Palaeontologica 3: 166-167. [*Euspira starringi* (A.W. Janssen)]

*Polinices helycinus helycinus* forma *belgica* A.W. Janssen, 1969

Holotype NMR 11481; paratypes NMR 5317, NMR 5867, NMR 11482/83. Type description: Geologica et Palaeontologica 3: 164-165.

*Polinices helycinus helycinus* forma *germanica* A.W. Janssen, 1969

Holotype NMR 11480; paratype NMR 4283. Type description: Geologica et Palaeontologica 3: 164. [*Euspira helicina protracta* forma *germanica* (A.W. Janssen)]



**TONNIDAE**

*Eudolium dingdense* Anderson, 1964

Holotype NMR 3854 (badly damaged); paratype NMR 3855. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 234-235.

**CASSIDAE**

*Phalium bicoronatum belgicum* A.W. Janssen, 1969

Holotype NMR 5345; paratypes NMR 11600/01. Type description: Geologica et Palaeontologica 3: 175. [*Semicassis bicoronata belgica* (A.W. Janssen)]

**CERITHIOPSIDAE**

*Cerithiopsis andersoni* A.W. Janssen, 1967

Holotype NMR 6104 (lost); paratypes NMR 3850, NMR 6103, NMR 6105/06. Type description: Geologica et Palaeontologica 1: 137.

*Cerithiopsis vandermarki* A.W. Janssen, 1967

Holotype NMR 6101; paratypes NMR 6094/99, NMR 6100, NMR 6102. Type description: Geologica et Palaeontologica 1: 136.

*Cerithiopsis vogeli* A.W. Janssen, 1967

Holotype NMR 6091; paratypes NMR 4209, NMR 6092/93. Type description: Geologica et Palaeontologica 1: 136.

**EPITONIIDAE**

*Cirsotrema turbonillaeforme* A.W. Janssen, 1967

Holotype NMR 6136; paratypes NMR 6135, NMR 6137. Type description: Geologica et Palaeontologica 1: 141-142.

*Cirsotrema koeneni* A.W. Janssen, 1967

Holotype NMR 6139 (lost); paratypes NMR 6140/42, NMR 6165. Type description: Geologica et Palaeontologica 1: 142.

**ACLIDIDAE**

*Aclis neglecta* A.W. Janssen, 1969

Holotype NMR 11374; paratypes NMR 11373, NMR 11375/88. Type description: Geologica et Palaeontologica 3: 154. [*Cima neglecta* (A.W. Janssen)]

**COLUMBELLIDAE**

*Mitrella bruggeni* Van Aartsen, Menkhorst & Gittenberger, 1984

Paratypes NMR 15946 (Ex.Coll.Menkhorst). Type description: Basteria, Supplement 2: 77-78.

**TURRIDAE**

*Mitrolumna wilhelminae* Van Aartsen, Menkhorst & Gittenberger, 1984

Paratypes NMR 15947 (Ex.Coll.Menkhorst). Type description: Basteria, Supplement 2: 42.

**TONNIDAE**

*Eudolium dingdense* Anderson, 1964

Holotype NMR 3854 (badly damaged); paratype NMR 3855. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 234-235.

**CASSIDAE**

*Phalium bicoronatum belgicum* A.W. Janssen, 1969

Holotype NMR 5345; paratypes NMR 11600/01. Type description: Geologica et Palaeontologica 3: 175. [*Semicassis bicoronata belgica* (A.W. Janssen)]

**CERITHIOPSIDAE**

*Cerithiopsis andersoni* A.W. Janssen, 1967

Holotype NMR 6104 (lost); paratypes NMR 3850, NMR 6103, NMR 6105/06. Type description: Geologica et Palaeontologica 1: 137.

*Cerithiopsis vandermarki* A.W. Janssen, 1967

Holotype NMR 6101; paratypes NMR 6094/99, NMR 6100, NMR 6102. Type description: Geologica et Palaeontologica 1: 136.

*Cerithiopsis vogeli* A.W. Janssen, 1967

Holotype NMR 6091; paratypes NMR 4209, NMR 6092/93. Type description: Geologica et Palaeontologica 1: 136.

**EPITONIIDAE**

*Cirsotrema turbonillaeforme* A.W. Janssen, 1967

Holotype NMR 6136; paratypes NMR 6135, NMR 6137. Type description: Geologica et Palaeontologica 1: 141-142.

*Cirsotrema koeneni* A.W. Janssen, 1967

Holotype NMR 6139 (lost); paratypes NMR 6140/42, NMR 6165. Type description: Geologica et Palaeontologica 1: 142.

**ACLIDIDAE**

*Aclis neglecta* A.W. Janssen, 1969

Holotype NMR 11374; paratypes NMR 11373, NMR 11375/88. Type description: Geologica et Palaeontologica 3: 154. [*Cima neglecta* (A.W. Janssen)]

**COLUMBELLIDAE**

*Mitrella bruggeni* Van Aartsen, Menkhorst & Gittenberger, 1984

Paratypes NMR 15946 (Ex.Coll.Menkhorst). Type description: Basteria, Supplement 2: 77-78.

**TURRIDAE**

*Mitrolumna wilhelminae* Van Aartsen, Menkhorst & Gittenberger, 1984

Paratypes NMR 15947 (Ex.Coll.Menkhorst). Type description: Basteria, Supplement 2: 42.

**ARCHITECTONICIDAE**

*Pseudomalaxis dingdensis* Anderson, 1964

Holotype NMR 3844. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 203.

**MATHILDIDAE**

*Gegania miocaenica* A.W. Janssen, 1967

Holotype NMR 6083. Type description: Geologica et Palaeontologica, vol.1, 134-135.  
[= *Gegania cancellata* (Grateloup); see Janssen 1984]

**ORCULIDAE**

*Schileykula aculeata* Gittenberger & Menkhorst, 1993

Paratypes NMR 15948 (Ex.Coll.Menkhorst, from type locality). Type description: Zoölogische Mededelingen 67: 341-343.

**PLEURODISCIDAE**

*Pleurodiscus asteriscus* Bank & Menkhorst, 1991

Paratype NMR 15949 (Ex.Coll.Menkhorst). Type description: Basteria 55 (1-3): 62-63.

**BULIMINIDAE**

*Buliminus corpulentus* Gittenberger & Menkhorst, 1991

Paratype NMR 15950 (Ex.Coll.Menkhorst, from type locality). Type description: Basteria 55 (1-3): 79-82.

*Buliminus akkumensis* Gittenberger & Menkhorst, 1991

Paratype NMR 15951 (Ex.Coll.Menkhorst, from type locality). Type description: Basteria 55 (1-3): 75-78.

*Buliminus coluplicatus* Gittenberger & Menkhorst, 1991

Paratype NMR 15952 (Ex.Coll.Menkhorst, from type locality). Type description: Basteria 55 (1-3): 87.

*Turanena conelongata* Gittenberger & Menkhorst, 1993

Paratypes NMR 15953 (Ex.Coll.Menkhorst). Type description: Archiv für Molluskenkunde 122: 75-76.

*Turanena yusufelensis* Gittenberger & Menkhorst, 1993

Paratypes NMR 15954 (Ex.Coll.Menkhorst, from Turkey, Çoruh, 17 km SE of Yusufeli, UTM GF21). Type description: Archiv für Molluskenkunde 122: 81-83.

**CLAUSILIIDAE**

*Clausilia oertzeni* O.Boettger, 1889

Paratype NMR 11644 (labelled as cotype) (Ex.Coll. van Roon). Type description: Abh. senckenb. naturf. Ges. 16: 42. [*Albinaria oertzeni* (Boettger)]

*Armenica euprepes transmontana* Neubert & Menkhorst, 1994

Paratypes NMR 15955 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 157.

*Armenica laevicollis banki* Neubert & Menkhorst, 1994

Paratypes NMR 15956 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 146-148.

*Armenica disjuncta occidentalis* Neubert & Menkhorst, 1994

Paratypes NMR 15957 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 151.

*Armenica gracillima vasta* Neubert & Menkhorst, 1994

Paratypes NMR 15958 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 154-156.

#### ZONITIDAE

*Doraegopsis euboicus* Bank & Menkhorst, 1988

Paratypes NMR 15959. Type description: Basteria 52 (4-6): 147-150.

#### HELICIDAE

*Theba andalusica* Gittenberger & Ripken, 1987

Paratypes NMR 15960 (Ex.Coll.Menkhorst, from Spain, Rio Jara). Type description: Zoologische Verhandlungen 241: 44-48.

*Theba arinagae* Gittenberger & Ripken, 1987

Paratypes NMR 15941 (Ex.Coll.Strack). Type description: Zoologische Verhandlungen 241: 10-12.  
Helicellidae

*Candidula lernaea* Hausdorf, 1991

Paratypes NMR 15961 (Ex.Coll.Menkhorst, from Greece, Fokis, 2 km N of Eratini). Type description: Archiv für Molluskenkunde 120 (4-6): 124-127.

### CLASS BIVALVIA

#### PROPEAMUSSIIDAE

*Amussium squamoso-reticulatum* Anderson, 1964

Holotype NMR 3823; paratype NMR 3824. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 138-139.

#### LUCINIDAE

*Divalinga arabica* Dekker & Goud, 1994

Paratypes NMR 15962 (Ex.Coll.Onverwagt, from Egypt, Na'ama), NMR 15963 (Ex.Coll.Onverwagt, from Egypt, Hurghada), NMR 15964 (Ex.Coll.Onverwagt, from Egypt, El Qalawa), NMR 15965 (Ex.Coll.Onverwagt, from Egypt, N of Ras Nusrani), NMR 15966 (Ex.Coll.Onverwagt, from Israël, Eilat). Type description: Vita Marina 42 (4): 131-133.

#### ASTARTIDAE

*Astarte omalii scaldensis* Janssen & Van der Slik, 1974

Paratypes NMR 1643, NMR 1646/47. Type description: Scripta Geologica 22: 7-9.

*Tridonta domburgensis* Janssen & Van der Slik, 1974

Paratypes NMR 1690/94. Type description: Scripta Geologica 22: 10-13.

*Tridonta zelandica* Janssen & Van der Slik, 1974

Paratype NMR 1666. Type description: Scripta Geologica 22: 13-14. [= *Astarte alaskensis* Dall; see Janssen 1981]



*Armenica disjuncta occidentalis* Neubert & Menkhorst, 1994

Paratypes NMR 15957 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 151.

*Armenica gracillima vasta* Neubert & Menkhorst, 1994

Paratypes NMR 15958 (Ex.Coll.Menkhorst). Type description: Zoology in the Middle East 10: 154-156.

#### ZONITIDAE

*Doraegopsis euboicus* Bank & Menkhorst, 1988

Paratypes NMR 15959. Type description: Basteria 52 (4-6): 147-150.

#### HELICIDAE

*Theba andalusica* Gittenberger & Ripken, 1987

Paratypes NMR 15960 (Ex.Coll.Menkhorst, from Spain, Rio Jara). Type description: Zoologische Verhandlungen 241: 44-48.

*Theba arinagae* Gittenberger & Ripken, 1987

Paratypes NMR 15941 (Ex.Coll.Strack). Type description: Zoologische Verhandlungen 241: 10-12.  
Helicellidae

*Candidula lernaea* Hausdorf, 1991

Paratypes NMR 15961 (Ex.Coll.Menkhorst, from Greece, Fokis, 2 km N of Eratini). Type description: Archiv für Molluskenkunde 120 (4-6): 124-127.

### CLASS BIVALVIA

#### PROPEAMUSSIIDAE

*Amussium squamoso-reticulatum* Anderson, 1964

Holotype NMR 3823; paratype NMR 3824. Type description: Fortschritte in der Geologie von Rheinland und Westfalen 14: 138-139.

#### LUCINIDAE

*Divalinga arabica* Dekker & Goud, 1994

Paratypes NMR 15962 (Ex.Coll.Onverwagt, from Egypt, Na'ama), NMR 15963 (Ex.Coll.Onverwagt, from Egypt, Hurghada), NMR 15964 (Ex.Coll.Onverwagt, from Egypt, El Qalawa), NMR 15965 (Ex.Coll.Onverwagt, from Egypt, N of Ras Nusrani), NMR 15966 (Ex.Coll.Onverwagt, from Israël, Eilat). Type description: Vita Marina 42 (4): 131-133.

#### ASTARTIDAE

*Astarte omalii scaldensis* Janssen & Van der Slik, 1974

Paratypes NMR 1643, NMR 1646/47. Type description: Scripta Geologica 22: 7-9.

*Tridonta domburgensis* Janssen & Van der Slik, 1974

Paratypes NMR 1690/94. Type description: Scripta Geologica 22: 10-13.

*Tridonta zelandica* Janssen & Van der Slik, 1974

Paratype NMR 1666. Type description: Scripta Geologica 22: 13-14. [= *Astarte alaskensis* Dall; see Janssen 1981]

## CARDIIDAE

*Vepricardium rubrohamatum* Voskuil & Onverwagt, 1988

Paratypes NMR 15967 (Ex.Coll.Onverwagt 2201-63). Type description: *Gloria Maris* 27 (5-6): 86-87.

*Trachycardium luteomarginatum* Voskuil & Onverwagt, 1991

Paratypes NMR 15968 (Ex.Coll.Onverwagt, from Maldives), NMR 15969 (Ex.Coll.Onverwagt, from Philippines). Type description: *Vita Marina* 41 (2): 61-63.

*Trachycardium wilsoni* Voskuil & Onverwagt, 1991

Paratypes NMR 15970 (Ex.Coll.Onverwagt). Type description: *Vita Marina* 41 (2): 64-66.

*Acrosterigma kengaluorum* Voskuil & Onverwagt, 1992

Paratypes NMR 15971 (Ex.Coll.Onverwagt, types 8-15). Type description: *Gloria Maris* 31 (3): 34-38.

*Maoricardium pseudolatum* Voskuil & Onverwagt, 1991

Paratypes NMR 15972 (Ex.Coll.Onverwagt, from Indonesia), NMR 15973 (Ex.Coll.Onverwagt, from Solomon Islands). Type description: *Basteria* 55 (1-3): 31-33.

## SEMELIDAE

*Abra berchemensis* Van der Mark, 1968

Holotype NMR 11017 (lost); paratypes NMR 11019/20. Type description: *Basteria* 32 (4-5): 83-88.

## ACKNOWLEDGEMENTS

I wish to acknowledge the suggestions given to me in preparing this article by E.J.O. Kompanje, C.W. Moeliker, and H.L. Strack. Thanks are also due to dr. J.W.F. Reumer (director, Natuurmuseum Rotterdam) for his assistance in locating several specimens, and ir. H.P.M.G. Menkhorst for valuable advice and the use of his library.

## REFERENCES

Janssen, A.W., 1981 - *Tridonta zelandica* Janssen & Van der Slik, 1974, a junior synonym of *Astarte alaskensis* Dall, 1903 - *Basteria* 45: 85-86.

Janssen, A.W., 1984 - Mollusken uit het mioceen van Winterswijk-Miste - Koninklijke Nederlandse Natuurhistorische Vereniging, Nederlandse Geologische Vereniging en Rijksmuseum van Geologie en Mineralogie, 451 pp.

Nieuwenhuis, J.G.B., 1981 - Inventarissen van archieven op natuurhistorisch gebied te Rotterdam 1870-1980 - Gemeentelijke Archiefdienst Rotterdam, 111 pp.

Nieuwenhuis, J.G.B., 1990 - De herkomst van onze tropische zeeschelpen uit de Molukken - *Straatgras* 2 (4): 4-5

Vaught, K., 1989 - A classification of the living Mollusca - Melbourne (U.S.A.), 189 pp.

Wenz, W. & Zilch, A., 1959-1960 - *Handbuch der Paläozoologie - Band 6, Teil 2*, Berlin, 834 pp.

received 25 July 1995

accepted 15 August 1995