

In memoriam: Adrianus Willem (Arie W.) Janssen (1937–2021)

Jaap van der Voort^{1,6}, John W.M. Jagt², Katja T.C.A. Peijnenburg^{3,4}, Ronald Pouwer^{5,6}, Han (J.G.M.) Raven³ & Frank P. Wesselingh³

¹ Independent researcher, Lutterdamm 19, 49179 Ostercappeln, Germany, email: vennermoor@aol.com

² Natuurhistorisch Museum Maastricht, De Bosquetplein 6-7, 6211 KJ Maastricht, The Netherlands

³ Naturalis Biodiversity Center, P.O. Box 9517, 2300 RA Leiden, The Netherlands

⁴ Department of Freshwater and Marine Ecology, Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Amsterdam, The Netherlands

⁵ Naturalis Biodiversity Center, P.O. Box 9517, 2300 RA Leiden, The Netherlands, email: ronald.pouwer@naturalis.nl

⁶ corresponding authors

Brighter than glass, and yet, as glass is, brittle

(From *The Passionate Pilgrim*, Poem VII, line 3. Anonymous, published in 1599 and most probably falsely attributed to William Shakespeare. This line was adopted by Arie W. Janssen as his epigraph in many publications and as signature in his email correspondence).

The malacological world has suffered a great loss. Adrianus Willem Janssen, better known as Arie W. Janssen, Nestor of research in the Netherlands on fossil and extant molluscs, passed away in the night of August 6, 2021, at the age of 84 (Fig. 1). During the last few months of his life, his physical condition had been rapidly deteriorating; despite this, until just a few days before his demise, he continued to work on pending publications with zeal and a clear mind, as ever.

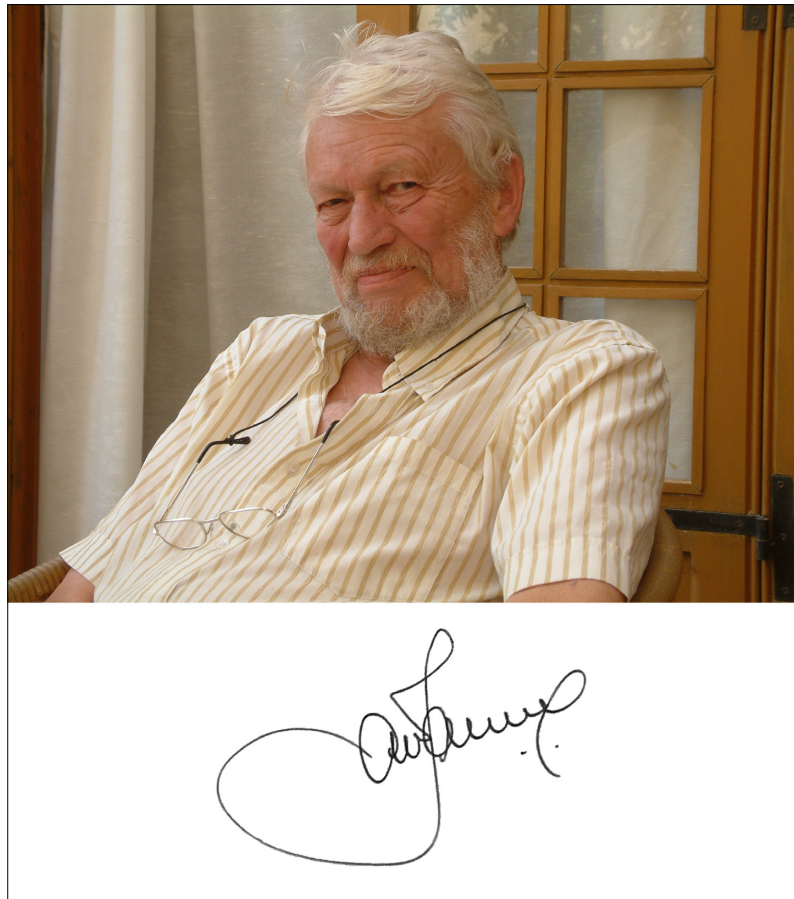


Fig. 1. Arie W. Janssen at his home in Malta. Photo: Edith Janssen.

In 1952 Arie prematurely interrupted his secondary education at the HBS-B in Rotterdam and accepted a job as an apprentice letterpress printer at Van de Rhee's Printing Company in Rotterdam and attended graphic school until 1956.

In 1956 Arie joined Furness Shipping and Agency Company (Rotterdam) as a clerical employee, and restarted secondary education (evening school, Rotterdam 1957-1962, but without final examination). In 1964 Arie and Edith Kruit got married and they stayed together until Arie's death in August 2021. They have two children, daughter Marlies (born 1968) and son Michiel Jeroen (born 1974).

*It thus happened that one Sunday afternoon when I was lying belly-down on the beach, sifting with my hands through a thin layer of shell grit, I suddenly felt a hand gripping my shoulder and I heard a voice saying: "Hey Dirk, we have a new member here!" They were part of a group of young people participating in an excursion of the Schiedam-Vlaardingen section of the NJN, named "De Kievit" (= lapwing). The NJN was the Nederlandse Jeugdbond voor Natuurstudie, the Dutch Youth Society for the Study of Nature, of which one could remain a member until reaching the age of 23, when you became an "old sock", a "fossil". And yes indeed, I remained a member until that time. The NJN contributed a lot to my 'education' because I met people with much more experience, who introduced me to other natural history disciplines such as birds, insects, plants. On my 14th birthday I got my first item of literature, a booklet entitled *Wat vind ik aan het strand?* (*What can I find on the beach?*) (Prud'homme van Reine, 1941) (Fig. 3). In it were beautiful pictures of shells drawn by a certain L.P. Pouderoyen, of course not realising then that I would later meet him in person.*



Fig. 3. Scan of Arie's birthday present 19th June 1951, a well-used copy of Prud'homme van Reine (1941), titled *What can I find on the beach?* Scan: A.W. Janssen.

*The NJN excursions frequently led us to the shell heaps of the lime kiln in Den Briel, where for the first time in my life I heard someone talking about "fossils". A completely new world opened before my eyes. More experienced friends in the group taught me names of these fossils and I heard about books describing them. But the Municipal Library in Rotterdam could not help me; they apparently had never heard of that important journal *Basteria*.*

*That situation changed completely in the early 1950s when I discovered that there was a Museum of Natural History in Rotterdam, at that time still at the Mathenesserlaan 7, opposite the Boijmans Art Museum. They possessed a magnificent shell collection (the Schepman Collection) and the then curator Herman Landsman, though a butterfly specialist, was happy to let me have a look at it. It was there that I met this Mr L.P. Pouderoyen, who several days a week made fantastic watercolour drawings of shells, for a project that was being referred to as the *Fossielenatlas*. In 1954 I was present at the presentation of part 1 of this *Atlas of fossil shells from the Dutch coast and estuaries*. And yes, it did appear in *Basteria*, the journal of the NMV. One of the more experienced collectors with whom I got acquainted was Jan (J.G.B.) Nieuwenhuis, who told me more about the NMV and the regular get-togethers of the Rotterdam members in someone's living room. Other members besides Pouderoyen and Nieuwenhuis were Nico Balke, Piet Schuyf, Wim Guilonard and Leen van der Slik, just to mention a few. In 1956, when I was 19, Jan said that I should also become a member of the Society. But that was easier said than done. One had to appear before a balloting committee, in my case consisting of Jan Nieuwenhuis and Lou Pouderoyen. I was terribly nervous having to meet this in my eyes illustrious company of famous malacologists. My mother bought me a new suit, because she wanted me to look as neat as possible for the occasion. Anyway, I became a member and by attending as many meetings as possible I gathered an unbelievable amount of knowledge from these people, for which I have remained grateful to them all my life.*

In the late 1950s, still being active within the NJN youth group and visiting the heaps of shells at the lime kiln in Den Briel, I met other enthusiasts who were members of the Geology Group of the NJN district 6 from The Hague. These people encouraged me to learn more about fossils. I even joined them on field trips, for instance to the "Achterhoek", a region in the east of the Netherlands. My interest in geology and fossil shells grew fast. It was in those days that we began our activities in the small village of Dingden, in Westphalia, just across the German border, where we achieved spectacular results with our excavations. But the board of the NJN began to object to my participation in the Geology Group and at the working camps, because one couldn't remain NJN member after reaching the age of 23. These were

the years of the enormous construction activities around Antwerp, including the new E-3 ring road around the city, the so-called “Kleine Ring” or small ring road and the excavation of various gigantic new harbour docks. Also in that area we made a lot of great finds.

In 1963, because of the increased opportunities for field work and the strict NJN rules as far as age and membership were concerned, the most active members of the geology group in The Hague decided to continue independently, and leave the NJN. This resulted in the foundation of the “Werkgroep voor Tertiaire en Kwartaire Geologie”, the Working Group for Tertiary and Quaternary Geology, since then known as the WTKG. From the beginning I have been a very active member of this group, also in various functions on the board of the society, and above all as chief editor of the society’s scientific journal, the *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* (later called *Contributions to Tertiary and Quaternary Geology*). From 2001 this was continued as *Cainozoic Research*, a joint publication of the WTKG and the British Tertiary Research Group. I also remained a member of the NMV, but, except for a short period in the early 1970s when I was editor of the society’s newsletter, I was not actively involved in any function beyond my membership.

In 1960, the Rotterdam Museum of Natural History moved from the Mathenesserlaan to a less central area of the city, in Schiebroek. Herman Landsman, the curator, offered me a job as his assistant, and I remained in this function until 1969. In 1963 I gathered all my courage and submitted my first manuscript for publication in *Basteria*. At that time the editor-in-chief was Tera van Benthem Jutting of the Zoological Museum in Amsterdam, an extremely kind lady who offered me, a ‘malacological youngster’, every possible assistance. This small 27-page paper (in 2 parts, Janssen 1963a) on Oligocene gastropods from the Belgian Sands of Oude Biezen and the Dutch Cerithium Clay was illustrated with excellent pencil drawings by Gijs Peeters.

A few years later, our activities in Dingden prompted me to write an – in my eyes – more serious paper in which I even dared to describe a number of new fossil gastropod species. And yet, it was exactly this publication (in two parts, Janssen 1967f, 1969c, in the renowned German journal *Geologica et Palaeontologica*) that was going to have an impact on the rest of my life.

In these two papers he described as new to science no fewer than 20 species and a genus of gastropods from the middle Miocene. Dingden had been known since 1850 as a locality where fossiliferous strata of Miocene age cropped out. Arie’s papers, based on extensive excavations by himself and non-professional palaeontologists who were members of the WTKG, resulted in a large quantity of fossil mollusc material, enabling Arie to contribute considerably to the knowledge of northwest German fossil faunas. Up to this day, his Dingden papers remain an important source of information.

Arie admired the drawings of shells that L.P. Pouderoyen had made for the first shell book that he received as a birthday present in 1951 (Fig. 3), and even more so the watercolour drawings Pouderoyen was producing for the first series of *Basteria*’s *Fossielenatlas* (covering gastropods). Arie soon developed not only into a keen observer with an eye for detail, but he also became a true artist himself, producing excellent drawings depicting all those details of minute gastropods. In his first paper on molluscs in 1963 the drawings had been produced by someone else, Gijs Peeters. In his Dingden papers, Arie proved that he no longer needed another illustrator. This is illustrated by an example from his Dingden article (Fig. 4).

Arie did not keep his enthusiasm to himself. He was indeed extremely active in the WTKG, which truly was a ‘working group’. Initially in de Achterhoek (eastern Netherlands), Antwerp region (western Belgium) and Tongeren area (eastern Belgium), later also further away in Europe. Besides short visits and field trips he played a

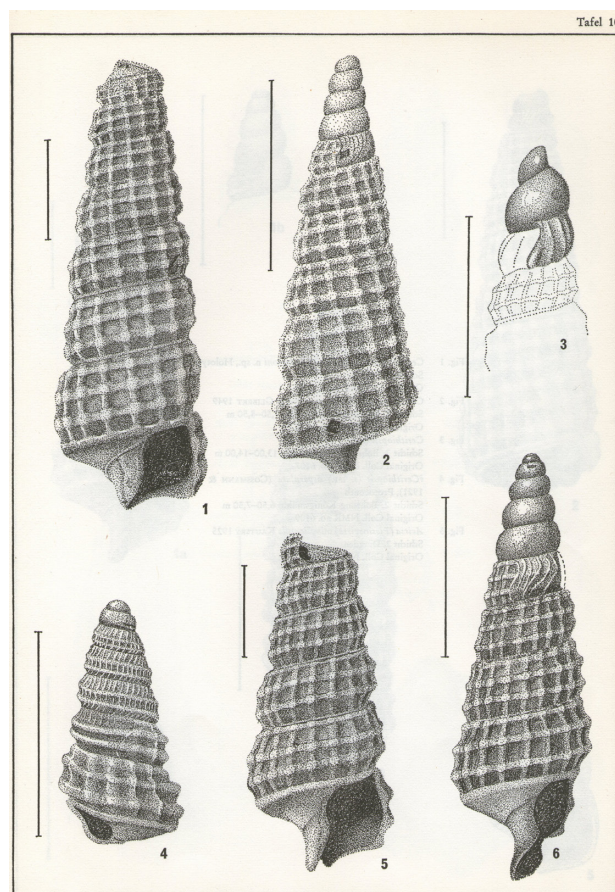


Fig. 4. Scan of plate 10 from Janssen (1967f) on molluscs from the Miocene of Dingden. Scale bars equal 1 mm.

key role in longer activities measuring and describing geological sections, and drilling holes with the auger drill (Edelmanboor) along selected transects, yielding insight into the regional geology of various Cainozoic deposits. These were activities where amateurs and professionals would work side-by-side to the benefit of all. Arie also helped organise major digs to reach deeper-lying fossiliferous deposits. During a WTKG investigation in 1968 a Miocene fossil-rich layer was discovered several metres below surface in a field at Miste, a small hamlet near the town of Winterswijk, eastern Netherlands. Repeatedly digs were organised where large quantities of fossils were collected for the Leiden museum and for WTKG members. As a result a huge amount of material from this layer became available.

In his “Rotterdam” period Arie also worked on recent freshwater molluscs. In 1965 he published, together with the recently deceased Ed de Vogel, a book on Dutch freshwater molluscs (Janssen & De Vogel, 1965), which for decades remained the reference on this subject.

In 1969, still working at the museum in Schiebroek, I had an unexpected visit from Dr C. Beets, director of the Rijksmuseum van Geologie en Mineralogie (RGM) in Leiden and a specialist on fossil molluscs. He had read my Dingden papers and just wanted to see who had put together all this new information. After a full day of pleasant chit-chat, we stood outside near his car and just before leaving he asked me if I would be interested in a job as curator of the Cainozoic mollusc collection at the RGM. This request to work at the famous State Museum of Geology and Mineralogy came like a bolt from the blue. Naturally I accepted and stayed with the RGM, later renamed Naturalis Biodiversity Center, for 28 years until I decided to take early retirement in 1997 and emigrated with my wife Edith to the island of Gozo (Malta) for the next 16 years.

My first years at the RGM were not easy; as a self-taught researcher without any academic background, I had to prove myself within a team of very learned gentlemen. Nevertheless, I succeeded in enlarging the mollusc collection considerably, by intensive fieldwork in many western European countries. I published quite a lot of papers.

Arie quickly developed a deep knowledge of geology and molluscs, and due to his excellent publications, he became accepted and respected by colleagues with a formal scientific education. His enormous enthusiasm was infectious and Arie also looked out for people with potential interest in geology and malacology. For example, for years Han Raven had been interested in molluscs and was a member of the NMV. When he started his geology study at the Leiden University in 1974, Han often visited Arie at the nearby museum (Fig. 5). Arie knew very well how to enthuse people and gave Han a sediment sample from the Miocene of Dingden (Germany) to pick specimens and identify them. He then would check all identifications and keep a few specimens for the museum collection. It stimulated Han to study outcrops in the North Sea Basin. Arie invited Han to become member of the WTKG, and the two of them participated in numerous field trips. Occasionally also in other groups, for example in 1981 to a construction pit at the mouth of the river Rhine in Katwijk, where they found numerous pieces of pumice, *terra sigillata* and fragments of huge roof tiles. As these were clearly remains of a Roman settlement (*Lugdunum Batavorum*), Arie immediately contacted the archaeological authorities who only then started a formal dig. Han wrote various papers for the *Mededelingen*, for which Arie checked the identifications and did the editing, including a paper on that outcrop in Katwijk (Raven, 1983). A summary of the archaeology of this locality, close to the mysterious Brittenburg, from which Roman boats sailed to Britain, is given in Buijtendorp (2019), who cited an internal report by Arie and the paper by Raven.

A major contribution was the book Arie wrote on the molluscs from the Miocene of Miste (Janssen, 1984d). As this was a very rich mollusc fauna with numerous new species it required thorough scientific research. To Arie's amazement and disappointment, based on 5 kg. of material purchased from the WTKG, Fritz Nordsieck quickly published a book of his own (Nordsieck, 1972) on this



Fig. 5. Arie bent over his binocular at the RGM. Photo: unknown.

fauna, which was “*not impeccable and appeared too early*” (Boekschoten, 1985). The consolation is that Arie’s book is much more solid and comprehensive (describing 501 species, of which 102 in open nomenclature), which remains widely used. There is an active group continuing the study of this fauna, and work on a second, even more expanded, edition of the book continues.

From the early 1980s I had been concentrating more and more on pelagic molluscs, especially fossil species and that was one of the reasons to emigrate to Malta, an island so rich in fossil pteropods. In 2013 we returned to the Netherlands but until today my desk is still covered with numerous lots of fossil pteropods. I never possessed a collection of my own, but I like to see parts of the collection in Naturalis as “my collection”.

So much for Arie’s personal account, which, in our eyes, is far too modest in many respects. Yet, there is so much more to say. For instance, his statement “I published quite a lot of papers”, because from what he published we can see how his fields of interest evolved, developed, intensified and gradually even changed. From his first small paper in the NJN journal ‘Amoeba’ in 1958 up to his latest article in 2021, he published a total of 306 papers and books, with an additional paper in preparation and due to appear posthumously (Janssen *et al.*, in prep.). A full list of all his publications is given in Appendix 1.

Many (53) of his papers on molluscs and/or stratigraphy appeared in the WTKG journal *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* (1964–1991) later titled *Contributions to Tertiary and Quaternary Geology* (1992–2000) and another seven in its successor *Cainozoic Research* (from 2002). Arie was editor (1964–1991), associate editor (1991–2012) and managing editor (2012–2017).

Arie published a total of 34 articles in the WTKG newsletter *Afzettingen* (mainly in Dutch): about stratigraphy, reports on field trips in the Netherlands, Belgium, France and Germany, book reviews and also some papers of general interest or facts from the society’s history. Between 1991 and 1995 four of these articles with a less scientific or serious character appeared under the authorship of a certain A. Riewé, which was his pseudonym based on the pronunciation (in Dutch) of Arie’s first name, plus his second initial.

A favourite journal for both shorter and longer papers on molluscs was *Basteria*, in which he published his first paper on fossil molluscs in 1963. Initially his papers covered mainly benthic molluscs. A major contribution, from part 4 in 1971 onwards until its completion in 1984, was Arie’s input for the second series of the *Fossielenatlas*, the Atlas of Fossil Shells from the Dutch coast and estuaries, covering the bivalves. From the 1980s Arie increasingly concentrated on fossil pelagic, *i.e.*, planktic molluscs: Pteropoda and Heteropoda. From 1990 onwards, most of his publications have dealt with this group of fossils. In 1998 he started in *Basteria* his series of “Notes on the systematics, morphology and biostratigraphy of fossil holoplanktic Mollusca” which comprises 27 issues, with number 28 still in preparation (as an exception, number 13 appeared in *Cainozoic Research*).

Another 13 papers, some with co-authors, appeared in *Scripta Geologica* (the journal of the RGM) of which Arie was managing editor from 1991 to 1997 and advisory editor from 1997 until the last issue of 2015. Several of these publications reached book-size and have a lasting impact on our knowledge of Dutch and neighbouring German fossil faunas and stratigraphy. A good example is the 168-page standard work on the lithostratigraphy and biostratigraphical subdivision of Cainozoic deposits in the Winterswijk-Almelo region (Van den Bosch *et al.*, 1975).

Yet, not only northwest European faunas and stratigraphy featured in Arie’s research. As a result of his growing interest in and knowledge of fossil planktic molluscs he had come to the conclusion that fossil pteropods were an excellent tool for global biostratigraphy and for worldwide correlation of fossil faunas. He first presented his ideas about this groundbreaking new scientific insight in September 1987 at a meeting of the Regional Committee on Northern Neogene Stratigraphy (RCNNS) & Regional Committee on Northern Paleogene Stratigraphy (RCNPS) in Keyworth, United Kingdom.

In 1988 Arie and his “friend in science”, the late Chris King, published the correlation results of the International Geoscience Programme (IGCP) project seen from a “pteropod point-of-view” (Janssen & King, 1988). In 1990 Arie had worked out the main results of his research already presented at the joint RCNNS/RCNPS meeting in Keyworth in 1987 and published a paper on the long-distance correlation of Cainozoic deposits by means of planktic gastropods (Janssen, 1990b). By then, Arie was increasingly involved in pteropod-based stratigraphy and held the Chair of the Working Group Rupelian of the Regional Committee of Northern Palaeogene Stratigraphy and was a member of the Regional Committee of Northern Neogene Stratigraphy and editor of the RCNNS/RCNPS Newsletter from 1989 to 1995. Beyond that, he was also a corresponding member of the Subcommission on Neogene Stratigraphy, the International Commission on Stratigraphy, and member of several further national and international bodies on Mollusca and Cainozoic stratigraphy.

The international, even global, aspect of his research on fossil planktic molluscs resulted in publications on pteropods, among others from Australia (1990), Jamaica (1998), the Red Sea (2007), the Philippines (2007) where he personally collected material during a field trip in 2001 and described 15 new species, Uzbekistan (2011), Fiji (2012), Iran (2013), New Zealand (2017) and the NE Pacific (2019).

Even though Arie's primary work after the mid-1980s covered planktic molluscs, he continued publishing on fossil benthic faunas and on his beloved freshwater molluscs. For example, he and Edi Gittenberger edited a monograph on the Dutch freshwater molluscs (Gittenberger *et al.*, 2004). Arie was also deeply involved in finishing the book *De fossiele schelpen van de Nederlandse kust* (Fossil shells from the Dutch coast) by Moerdijk *et al.* (2010), an updated and rewritten version of the second series of the *Fossielenatlas*, covering the bivalves, scaphopods and chitons.

During the past years and until shortly before his death, Arie had been continuously working on a manuscript of almost 540 pages of a comprehensive nomenclatural catalogue of holoplanktic molluscs. It was unfinished and not intended to be published in this form. The proposed title was: "A listing of pelagic mollusc taxa, introduced since the 18th century, with original reference, synonyms, chresonyms, type specimens, type locality and currently accepted status." On the 24th of July 2021, two weeks before his demise, Arie asked Jaap van der Voort to make this manuscript available to one of Arie's friends in science. This request was fulfilled.

Arie also wrote a large number of 'internal reports' during his active years at the RGM, starting from the first reports in 1969 when he joined the museum team as a curator, to 2003, sixteen years after his retirement, when he returned from Malta to the Netherlands. A substantial number of these reports formed the basis for subsequent publications authored by Arie (or sometimes by others, *e.g.*, Kuiper, 2007). Some other unpublished reports contain valuable taxonomical and/or stratigraphical information, but unfortunately were not reviewed and released by Arie for publication.

Arie's publications were not always accepted by his peers, and occasionally this developed into unfriendly polemic correspondence. It was a great satisfaction to Arie that another Dutch Nestor in recent pteropod science, Siebrecht van der Spoel, gave Arie continued support. Upon his retirement, this famous holoplanktic mollusc specialist claimed to be no longer interested in this topic, and became a ceramist. He demonstrated to keep his memories alive, as on 3rd November 2010 he sent Arie this fabulous ceramic *Ceramiclio* pteropod (Fig. 6). No need to say that Arie gave this object a prominent place in his house!

An absolute highlight among his many papers about this group of molluscs is his book on the systematics and biostratigraphy of holoplanktic Mollusca from the Oligo-Miocene of the Maltese Archipelago (Janssen, 2012b). It counts some 400 pages and, in addition to 72 text figures, comprises 20 plates of excellent and very precisely drawn figures of Heteropoda and Pteropoda (Fig. 7) plus 7 plates of photographed specimens. In this book, he not only described 20 new species (two named after his grandchildren, *Clio merijni* and *Peracle amberae*) but also presented a completely new and partly revolutionary insight into the stratigraphy of the Mediterranean area around Malta, virtually putting older concepts upside-down.

Arie's interest in the Maltese fossil fauna originated from earlier fieldwork in Sicily and also on Malta, from which until 1995 only a single pteropod species had been described, at that time exactly a century ago: *Cavolinia cookei* Simonelli, 1895. Its occurrence in Sicily, southern Italy and on Malta presented to Arie a big question mark concerning its correct stratigraphical provenance. After repeated trips to Malta and the neighbouring small island of Gozo, also accompanied by his wife Edith, they decided to emigrate to Malta. Arie applied for early retirement in 1997 and in that year they moved to Xewkija, a small town on Gozo, where they had found and bought a nice and typical Maltese-style house (in fact built from so called *Globigerina* limestone like most houses over there, even the famous Xewkija cathedral with the world's third highest unsupported dome). Arie was succeeded at the museum by Frank Wesselingh.

During his Maltese period, Arie could carry out fieldwork virtually "on his doorstep" and this resulted in the largest known collection of Maltese holoplanktic molluscs (Figs 8-9), which is now housed in Naturalis. From the one pteropod species described before he moved to Malta he succeeded in identifying no fewer than 85 species, the majority of which could



Fig. 6. A ceramic made by his friend Siebrecht van der Spoel, nestor of recent holoplanktic mollusc research, representing a living *Clio*, offered to Arie Janssen in 2010. Photo: A.W. Janssen.

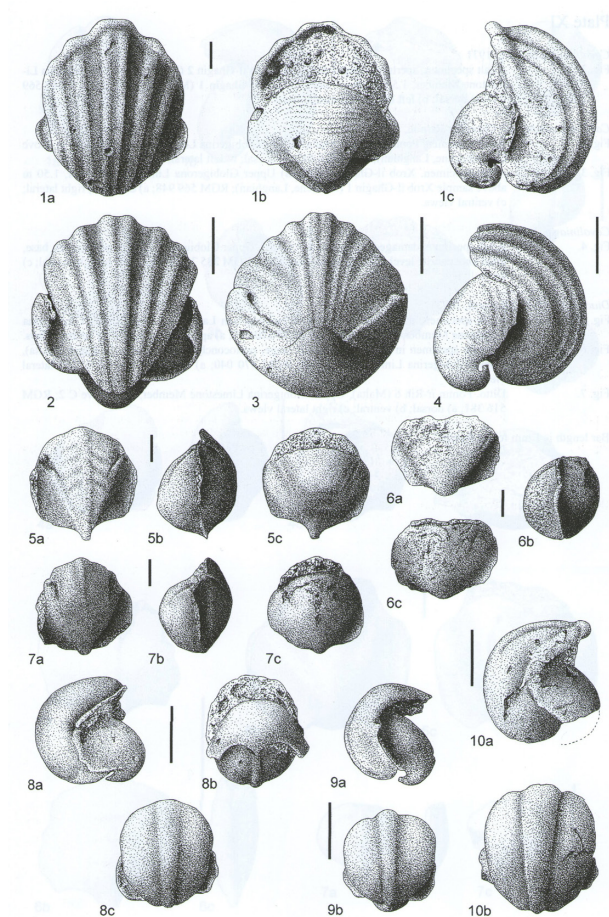


Fig. 7. Plate 10 from Janssen (2012b) showing as figs 1-4 the species *Cavolinia cookei* Simonelli, 1895, which is the name Arie and his wife Edith gave to their house on the island of Gozo (Malta).



Fig. 8. Arie's working table at Gozo. Photo: probably A.W. Janssen.



Fig. 9. Arie Janssen in his study in Gozo, Malta, 2013. Photo: Ronald Pouwer.

be clearly identified and named either as known or new to science, whereas 16 taxa were recorded in open nomenclature. A “key species” in Arie’s research was *Cavolinia cookei*. His keen interest in this species most probably was the reason for naming their house correspondingly and attaching a Delft blue porcelain sign with this name next to the main entrance. A surprising detail: in the 2001 explanatory brochure concerning the declaration of property ownership abroad for Dutch tax payers, the Dutch Income Tax Authority pictured Arie’s and Edith’s Gozo house entrance (Fig. 10). Or not so surprising after all? At that time their daughter Marlies was working in the Netherlands as communication officer for the tax office and was responsible for the lay-out and text of this brochure.

During their stay in Malta, Arie suffered a substantial setback in his health, for which he had to undergo serious treatment. But in April 2011 Arie wrote his concerned friends: “The scan shows that the small tumour is broken up in pieces and probably dead! Arie is going to live!” For a long time, in many of his papers and also as signature under his email he had been using the line: “Brighter than glass, and yet, as glass is, brittle”, anonymous and falsely attributed to Shakespeare but strikingly appropriate to pteropods. After this good news Jaap van der Voort’s reaction was: “Stronger than brass, and now, at last needs to worry so little.”

Arie’s fieldwork practices evolved over the years. Malta probably was “easy” fossil collecting. But in the early days of Dingden and also later during field work all over Europe it meant: digging holes, getting muddy and dirty, having kilos of sticky clay on one’s boots, carrying heavy bags of fossiliferous sediment uphill and then overloading the luggage carrier of your moped or later of your car with large plastic bags of sieved and washed sediment.

Unforgotten are the car trips by Arie and Jaap van der Voort to collect middle Miocene molluscs in the Anatolian highlands of the Karaman Basin in central Turkey in 1989 and subsequent years. Arie would sleep in his small canvas tent with quickly diminishing space because of the growing pile of plastic bags with fossil molluscs (Fig. 11). Or the large excavation Arie, his name-sake Ronald Janssen (of Senckenberg Museum, Frankfurt, Germany) and Jaap van der Voort organised at the famous Eocene locality of Le Bois Gouët in France (Figs 12-13). The three, with the assistance of their wives and Arie’s son Michiel, spent a full week at the sieving table. With a pump and fire hose tonnes and tonnes of dug-out sediment were washed, resulting in possibly one of the largest collections of fossil shells from that locality.

In 2007, the “straw museum” in Twistringen, northwest Germany, documenting the local industry of straw mat braiding and making straw hats, opened a small new exhibition named “fossilia twistringensia“, showing fossil shells from the famous Miocene clay pits. Arie had published various papers on the fossil mollusc fauna and the stratigraphy of the Twistringen beds, especially “Mollusken der Twistringer Schichten” (Janssen, 1972b), which because of its importance was reprinted in 1987. Jaap van der Voort was present at the opening ceremony of this new permanent exhibition in Twistringen (May 24, 2007). To his surprise, in one of the glass cabinets there was a newspaper clipping dating back to 1999 with a picture reportedly from 1979 showing Arie with digging tool in hand in the Twistringen clay pit. Arie was a self-taught researcher, but in title-addicted Germany that was hard to believe, thus an impossibility. So the label stated this was “Professor Dr A.W. Janssen from the RGM in the Netherlands”. Anyway, professor comes from profession and professionalism, so it was not far from the truth (Fig. 14).



Fig. 10. 2001 Dutch Tax Authority brochure for tax payers with property abroad, showing the entrance of the Janssen house on Gozo island (Malta), with the *Cavolinia cookei* sign. Scan: Jaap van der Voort.



Fig. 11. Arie Janssen camping outside Karaman (Turkey), during a field trip with Jaap van der Voort in 1989. The tent is filled with bags full of fossil shells. Photo: Jaap van der Voort, digitally scanned from a photographic slide.



Fig. 12. Field trip in Saffré, Le Bois Gouët, northwestern France, 1987. Photo: Ronald Pouwer.

For decades Arie was the central figure in the WTKG. Meetings were often held in the museum and Arie was always present, giving lectures, helping with identifications, participating in discussions and so on. He helped organise field work and projects, at which the members eagerly made use of his knowledge and improvisational skills. Thanks to him, a close-knit group of enthusiasts emerged who gave the knowledge of Cainozoic stratigraphy and palaeontology an enormous boost. On the 15th March 1997 Arie Janssen was elected honourable member of the WTKG. Freddy van Nieulande delivered a speech, in which he, as a pleasant joke, presented a new subspecies: *Vaginella malthusiana jansseni* Van Nieulande, 1997, of which only the holotype is known, which occurred long within the North Sea Basin, but had recently moved to the Mediterranean (Van Nieulande, 1997).

Arie had a keen eye for potential contributors. For example, in 1979 John Jagt became member of the WTKG and, although he had an interest in Cainozoic molluscs, his main field of interest was Palaeogene echinoderms from the wider environs of Maastricht, the Netherlands. He attended WTKG meetings on a regular basis, and started to write papers (*e.g.*, Jagt, 1982). Arie must have seen potential in this budding amateur earth scientist and was instrumental in having a committee decide to present the P. van der Lijnderscheiding to him in 1987 (a token of recognition for amateur geologists and palaeontologists who made noteworthy contributions, in honour of Pieter



Fig. 13. Field trip in Le Bois Gouët, northwestern France, 1989. Left: Dr Ronald Janssen, Senckenberg Museum, Frankfurt/Germany, centre Arie Janssen, right Jaap van der Voort. Photo: from Arie's archives, made available by his son Michiel.

van der Lijn (1870-1964), Dutch Nestor of amateur geology and palaeontology). Following this, when the WTKG celebrated its 25th anniversary, John co-edited a double issue of the *Mededelingen* on the stratigraphy and palaeontology of lowermost Palaeocene (Danian) limestones in southern Limburg (The Netherlands) and adjoining Belgian territory (Jagt & Janssen, 1988). In 1991 Arie asked him to take over as managing editor of what then became *Contributions to Tertiary and Quaternary Geology*. A crash course in using Word Perfect at his home in Alphen aan den Rijn and a list of tricks-of-the-trade were part of the deal. As it proved difficult to publish four issues of the journal *per annum*, changes were made to layout and publication policy. The main step, however, involved the merger of two journals from two societies in different countries: the *Contributions* of the WTKG and *Tertiary Research* of the Tertiary Research Group (UK) into *Cainozoic Research* (2002). With a new team of editors, this journal is now a viable peer-reviewed publication with regularly appearing issues. In 2012, John stepped down as managing editor because his work as senior curator at the Natuurhistorisch Museum Maastricht demanded this. With help from Arie he had evolved from a citizen scientist to a professional.

Following this, Arie returned as managing editor of *Cainozoic Research*, and worked closely with production editor Ronald Pouwer. Arie took care of attracting and thoroughly checking manuscripts and the contacts with the printer, while Ronald was in charge of the layout. Ronald has very good memories of this collaboration. Arie responded quickly, clearly and effectively. He always seemed to be in front of his computer and in reality, he probably was (Fig. 9). When Han Raven took early retirement Arie recognised the opportunity and invited him to become associate editor. Arie just let him deliver CR 17(1) and 17(2), and as this went well Arie formally handed over his managing editor role of *Cainozoic Research*, thus gaining time to complete several key manuscripts. After COVID-19 forced everyone into confinement, he got a major shock when his eyesight deteriorated so much that he could only see vague shades. After several months he was operated upon and to his delight regained his eyesight.

As mentioned above, Arie never had his own collection, but as curator of the Cainozoic mollusc collections at the RGM, he ensured major enlargements through fieldwork and through donations from the networks he had been building. In his 28 years as curator, he transformed the collections of fossil molluscs into one of the world's foremost collections. For many years Charles Barnard assisted him washing, picking and sorting the samples. But Arie did almost all the remaining work himself: further sorting and identifying most specimens, registering them, writing very clear labels and putting everything neatly into the collection. Because of his close contacts with collectors, many of them donated important collections to the museum. Arie is and will remain emphatically present in the collection. About 200,000 lots collected by himself or received as donations bear his stamp. Since 2009 Ronald Pouwer is Senior Collection manager Cainozoic Mollusca and therefore successor for one of Arie's tasks. He considers it an honour to work with this collection, to continue Arie's curatorship, and to build on his work. Arie has been a valuable source of information during those years. Whatever the question was, he always came up with a satisfactory answer and usually very quickly. A lot was in his head and otherwise he would get it from his extensive archive of correspondence in which he could flawlessly search for all kinds of information.

Arie basically "built" the Naturalis collection of fossil pelagic molluscs from scratch. Today, it is, together with the collection of recent material, without any doubt the world's largest planktic mollusc collection, of which an overview has recently appeared (Janssen *et al.*, 2020). Nowadays, planktic gastropods are widely regarded as important indicators of the state of our oceans and their increasing acidity. Arie's extensive knowledge of the fossil record contributed greatly to resolving the evolutionary history of the pteropods, which was recently published in the prestigious journal *Proceedings of the National Academy of Sciences USA* (Peijnenburg *et al.*, 2020). Furthermore, Arie was a mentor to several members of the Naturalis research group "Plankton Diversity and Evolution", which is led by Katja Peijnenburg.

Arie's name will live on through no fewer than 34 eponyms, named in honour of his work by his peers (Appendix 2). These include 25 new mollusc and five new fish species, as well as four new mollusc genera. Arie said: "Please don't name more species after me, there are already so many." Yet, above all, his name will remain connected to no fewer than 177 mollusc species, genera and families described by him as new to science, 112 of which in the group of Pteropoda and Heteropoda (see Appendix 3).

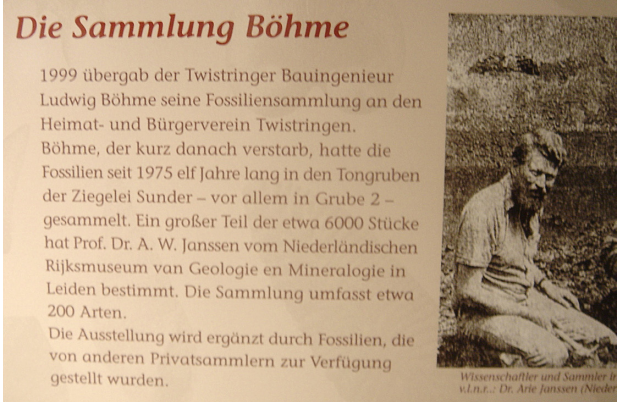


Fig. 14. Newspaper article with picture reportedly from 1979 incorrectly describing Arie W. Janssen as professor doctor. Photo: Jaap van der Voort.

With the passing of Arie Janssen we have lost a great researcher, a networker and a friend who had a huge impact on the collections and science of (fossil) molluscs in the Netherlands and in the world, and also a positive impact on the course of life of some of the authors of this article. At various stages of his career he welcomed us into his working life, the museum and the WTKG and helped and inspired us. We will deeply miss his support and company.

Acknowledgements

We are grateful to the editors of *Spirula* for allowing us to use text and figures published in their 2019 supplement with Arie Janssen's autobiographical article and to Michiel Janssen, Arie's son, for providing photos from the family's archives.

References

- Boekschoten, G.J. 1985. Boekbespreking Mollusken uit het Mioceen van Winterwijk-Miste. *Nieuwsbrief van het Koninklijk Geologisch Mijnbouwkundig Genootschap* 1985(10), pp. 13-14.
- Buijtendorp, T. 2019. *Brittenburg. Verdrongen hoeksteen van het Romeinse Rijk*. Leiden, Sidestone Press, pp. 1-232.
- Jagt, J.W.M., 1982. Een Sparnacien-ontsluiting bij "Moulin de l'Ardre" nabij Pourcy (Fr.). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 3(1): 6-7.
- Jagt, J.W.M. & Janssen, A.W., 1988. Faunal and stratigraphical aspects of the Early Palaeocene (Danian) in the SE Netherlands and NE Belgium. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie*, 25 (2-3): 111-223.
- Kronenberg G.C. 2021. *Eponyms of persons connected to the Netherlands Malacological Society, 3rd edition, April 24, 2021*, pp. 1-50. Netherlands Malacological Society. url: www.spirula.nl/list-of-eponyms-nmv/
- Kuijper, W.J. 2007. Flora en fauna in en rond een Scheldegeul bij Kallo op het einde van het atlanticum (Beveren, prov. Oost-Vlaanderen). *Relicta* 1: 29-48.
- Nieulande, F.A.D. van 1997. *Vaginella malthusiana jansseni* nova species. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 18(2): pp. 27-28, 2 figs.
- Nordsieck, F. 1972. *Die miozäne Molluskenfauna von Miste-Winterswijk NL (Hemmoor)*. Stuttgart (Fischer Verlag), 187 pp., 33 pls
- Prud'homme van Reine, W.J. 1941. *Wat vind ik aan het strand?* Zutphen, W.J. Thieme, pp. 1-123.
- Raven, J.G.M. 1983. Subatlantic (Holocene) tidal flat and marsh deposits at Katwijk aan Zee (province of Zuid-Holland, the Netherlands). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 19, pp. 51-66.

APPENDIX 1. Publications by A.W. Janssen, in chronological order.

- Janssen, A.W. 1958. Problemen rond het Brielse Meer. *Amoeba* 34 (4): 96-98.
- Janssen, A.W. 1961. Een mooie schedel van *Bison priscus* Harlan. *Grondboor en Hamer* (1961) 7: 231, 3 figs.
- Janssen, A.W. 1961. Mollusken van een drijvend voorwerp. *Correspondentieblad Nederlandse Malacologische Vereniging* 93: 948-949.
- Janssen, A.W. 1962. Het IJstijdvak. *Blijdorpgehuide* 10(7-8): 6-7, 1 fig.
- Janssen, A.W. 1963a. Gastropoda uit de Belgische “Sables de Vieux Jons” en de Nederlandse “Cerithiumklei” (Oligoceen) 1-2. *Basteria*, 27(1-2): 18-28, pls 1-2; 27(3-4): 29-44, pls 3-4.
- Janssen, A.W. 1963b. Over het verzamelen bij de Königsmühle in Dingden/Westfalen. *Correspondentieblad Nederlandse Malacologische Vereniging* 107: 1111.
- Janssen, A.W. 1964. Over het verzamelen in de miocene ontsluiting bij de Königsmühle bij Dingden/ Westfalen. *Grondboor en Hamer* (1964) 1: 35.
- Janssen, A.W. 1964. Boekbespreking (Hölzl). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1 (2): 23.
- Janssen, A.W. 1964. Antwerpen. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(2): 24-25.
- Janssen, A.W. 1964. Een interessante ontsluiting in Kleine Spouwen (Belgisch Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(2): 31-32
- Janssen, A.W. 1964. De E 3 Scheldetunnel. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(4): 50-54, 2 figs.
- Janssen, A.W. 1965. De Werkgroep voor Tertiaire en Kwartaire Geologie. *Correspondentieblad Nederlandse Malacologische Vereniging* 112: 1178-1179
- Janssen, A.W. 1965. De Werkgroep voor Tertiaire en Kwartaire Geologie. *Het Zeepaard* 25(1): 9-10.
- Janssen, A.W. 1965. Boekbespreking (Steininger). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 2(1): 9.
- Janssen, A.W. 1965. De E 3 Scheldetunnel. Aanvullingen en nieuwe feiten. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 2(1): 11.
- Janssen, A.W. 1965. Mollusca uit de pleistocene ontsluiting te Zelzate. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 2(2): 24-37, 21 figs
- Bosch, M. van den, & Janssen, A.W. 1965. Het Mioceen van Delden, 1. Inleiding. *Natuurhistorisch Maandblad* 54(6): 81-83.
- Janssen, A.W. 1965. De neogene Scaphopoda uit het Noordzebekken. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 2(4): 71-84, 2 pls.
- Janssen, A.W. & Vogel, E.F. de 1965. *Zoetwatermollusken van Nederland*. Amsterdam (Nederlandse Jeugdbond voor Natuurstudie), 160 pp., 14 figs, 17 pls.
- Janssen, A.W. 1966. Uittreksel van de voordracht “De miocene ontsluiting te Dingden”, gehouden op de wetenschappelijke vergadering op 29 januari 1966 te Rotterdam. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 3(1): 6-8.
- Janssen, A.W. 1966. Een linksgewonden exemplaar van *Arianta arbustorum* (L.) uit Nederland. *Basteria* 30(1): 8-10, 1 pl.
- Janssen, A.W. 1966. Kort verslag van de werkweek in Dingden van 8-13 april 1966. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 3(2): 31-32
- Janssen, A.W. 1966. Het Mioceen van Delden, 2. De invertebraten uit het Twentekanaal bij Delden. *Natuurhistorisch Maandblad* 55(7-8): 101-116, 1 fig., 3 pls.
- Janssen, A.W. 1966. Het Mioceen in de boring Dingden-Königsmühle. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 3(3-4): 38-48, 4 tabs., 4 pls
- Janssen, A.W. 1967a. Zeldzame schelpen in het Natuurhistorisch Museum. *Schiebroekse Gemeenschap* 12(2): 3-5, 2 figs.
- Janssen, A.W. 1967b. Het geslacht *Clavagella* (Mollusca, Lamellibranchia), nieuw voor het Mioceen van het Noordzebekken. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 4(2): 38-39, 1 fig.
- Janssen, A.W. & Janssen-Kruit, E. 1967. De molluskenfauna van het Kanaal door Voorne in verband met het zoutgehalte. *Correspondentieblad Nederlandse Malacologische Vereniging* 122: 1295-1298, 1 fig., 2 tabs.
- Janssen, A.W. 1967c. *Buccinum undatum* (L.) monstr. *bioperculata* Jeffreys uit Normandië. *Correspondentieblad Nederlandse Malacologische Vereniging* 122: 1304.
- Janssen, A.W. 1967d. Een ernstig bezwaar tegen het gebruik van glazen buisjes in molluskencollecties. *Correspondentieblad Nederlandse Malacologische Vereniging* 124: 1317.
- Janssen, A.W. 1967e. Rectificatie. *Correspondentieblad Nederlandse Malacologische Vereniging* 124: 1327.
- Janssen, A.W. 1967f. Beiträge zur Kenntnis des Miocäns von Dingden und seiner Molluskenfauna. *Geologica et Palaeontologica* 1: 115-173, 8 figs, 14 pls.
- Janssen, A.W. 1968. *Schelpen. Een eenvoudige gids voor de natuurliefhebber bij het op naam brengen van de meest voorkomende schelpen van de stranden van Scheveningen, Hoek van Holland, Voorne, Goeree en Schouwen*. Rotterdam (Rotterdamse Stichting voor de Lichamelijke Opvoeding), 28 pp., 60 figs.
- Janssen, A.W. 1968. Verslag van de Pinksterexcursie van de W.T.K.G. op 1-3 juli 1968 naar het Eoceen van Vlaanderen. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 5(2): 34-36.
- Janssen, A.W. & Mark, D. van der 1968. Einleitung zu den Beiträgen zur Kenntnis der Molluskenfauna des jüngerer Tertiärs des Nordseebeckens. *Basteria* 32(4-5): 76-82, 1 tab.
- Janssen, A.W. 1968. Inleiding tot de nomenclatuur van de gastropodenschelp. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 5(3-4): 54-66, 13 figs.

- Cadée, M.C. & Janssen, A.W. 1968. Het profiel van de kleigroeve O. Sunder te Twistring. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 5(3-4): 83-85.
- Janssen, A.W. 1968. Boekbespreking (Nordsieck). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 5(3-4): 85-86.
- Janssen, A.W. 1969a. Tjerk Vermaning. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 6(1-2): 30.
- Janssen, A.W. 1969b. Inleiding tot de nomenclatuur van de gastropodenschelp. *Vita Marina* (buikpotigen): 69-80, 13 figs.
- Janssen, A.W., & D. van der Mark, 1969. Ueber einige zu Unrecht aus dem belgischen Miocän erwähnte Mollusken. *Basteria* 33(1-4): 57-61.
- Janssen, A.W. 1969c. Beiträge zur Kenntnis des Miocäns von Dingden und seiner Molluskenfauna, 2. *Geologica et Palaeontologica* 3: 153-193, 12 figs, 8 pls.
- Janssen, A.W. 1970. Revision of the nomenclature of the species dealt with in this investigation. In: E.F. de Vogel. A study of marine Miocene faunas in the „Achterhoek“ (Netherlands, province of Gelderland). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 7(2): 67-73.
- Backhuys, W., Hamstra, R.E. & Janssen, A.W. 1970. In memoriam F.J. Janssen. *Correspondentieblad van de Nederlandse Malacologische Vereniging*, 139: 1539.
- Janssen, A.W. & Slik, L. van der 1971. De fossiele schelpen van de Nederlandse stranden en zeegaten, tweede serie, 4. *Basteria* 35(1-4): 41-50, pls 15-26.
- Janssen, A.W. & Slik, L. van der 1971. Rectificatie. *Basteria* 35(5): 112.
- Janse, A.C. & Janssen, A.W. 1972. Enkele gegevens over het Anversien (Mioceen) ontsloten tijdens de Metrowerken te Antwerpen (België). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 9(1): 8-10.
- Janssen, A.W. 1972a. De molluskenfauna van het Midden-Mioceen van Delden (Overijssel). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 9(1): 15-21.
- Gaemers, P.A.M., & Janssen, A.W. 1972. Geologische beschrijving van het profiel van de bouwput voor de nieuwe zeesluis te Kallo (België, Oost Vlaanderen), en een palaeo-oecologische interpretatie van de verschillende afzettingen. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 9(1): 23-33.
- Janssen, A.W. 1972b. Die Mollusken-Fauna der Twistringer Schichten (Miocän) von Norddeutschland. *Scripta Geologica* 10: 1-95, 42 figs, 11 pls.
- Janssen, A.W. 1972c. Bemerkungen zu „*Naticina*“ *fissurata* Von Koenen, 1891 (Mollusca, Gastropoda) aus dem Oligocän des Nordseebeckens. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 9(3-4): 89-93, 2 figs.
- Janssen, A.W. 1972d. *Volvaria multicingulata* Sandberger, 1859 (Mollusca, Gastropoda) nieuw voor het Oligoceen van het Noordzeebekken. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 9(3-4): 94-96, 1 pl.
- Janssen, A.W. & Slik, L. van der 1972. De fossiele schelpen van de Nederlandse stranden en zeegaten, tweede serie, 5. *Basteria* 36(2-5): 171-180, pls 27-33.
- Hinsbergh, V.W.M. van, Janssen, A.W. & Vaessen, L.M.B. 1973. Een profiel door oligocene en kwartaire afzettingen ten westen van het dorp Kleine Spouwen (België, prov. Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 10(1): 9-28.
- Janssen, A.W. & Slik, L. van der 1974. Bemerkungen zu der Astartiden-Fauna des jüngeren Känozoikums des Nordseebeckens. *Scripta Geologica*, 22: 1-23, 3 figs, 4 pls.
- Janssen, A.W. & Slik, L. van der 1974. De fossiele schelpen van de Nederlandse stranden en zeegaten, tweede serie, 6. *Basteria* 38(3-4): 45-81, 3 figs, pls 34-46.
- Janssen, A.W. 1974. Het profiel van de bouwput onder het eerste Kanaaldok nabij Kallo, provincie Oost Vlaanderen. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 11(4): 173-185, 3 figs.
- Bosch, M. van den, Cadée, M.C. & Janssen, A.W. 1975. Lithostratigraphical and biostratigraphical subdivision of Tertiary deposits (Oligocene-Pliocene) in the Winterswijk-Almelo region (eastern part of The Netherlands). *Scripta Geologica* 29: 1-168, 36 figs, 10 tabs, 23 pls, 2 encls.
- Janssen, A.W. 1975. *Schelpen. Een eenvoudige gids voor het op naam brengen van de meest voorkomende schelpen van Scheveningen, Hoek van Holland, Voorne, Goeree en Schouwen*. Rotterdam (Dienst voor Sport- en Recreatie, Bureau Natuurrecreatie en -educatie, gemeente Rotterdam), 2nd ed., 28 pp., many figs.
- Janssen, A.W. 1975. Systematische lijst van Nederlandse recente en fossiele mollusken. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie*, 12(4): 115-170.
- Nieuwenhuis-Verveen, G.W.J., Nieuwenhuis, J.G.B. & Janssen, A.W. 1976. *Lijst van mogelijke verzamelingen, verzamelaars en determinatoren van Nederlandse Mollusca*. Leiden (Molluskencomité Nederlandse Malacologische Vereniging), 9 pp.
- Stoppelaar, C.F. den & Janssen, A.W. 1976. *Handleiding en atlas voor het medewerken aan de European Invertebrate Survey*. Leiden (Molluskencomité Nederlandse Malacologische Vereniging), 27 pp., 37 maps, 6 figs.
- Cadée, M.C., Hinsbergh, V.W.M. van & Janssen, A.W. 1976. Een profiel door tertiaire en kwartaire afzettingen tussen Tongeren en Waltwilder (België, provincie Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 13(2): 35-58, 1 tab., 7 figs.
- Janssen, A.W., Hinsbergh, V.W.M. van & Cadée, M.C. 1976. Oligocene deposits in the region North of Tongeren (Belgium), with the description of a new lithostratigraphical unit: the Atuatuca Formation. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 13(3): 75-115, 2 tabs, 17 figs.

- Janssen, A.W. & Linden, J. van der 1977. Beschrijving van een nieuw hulpstuk voor de edelmanboor en enkele opmerkingen over de praktische toepassing van het handboren. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 14(3): 63-72, 1 fig.
- Janssen, A.W. 1977. Rapport betreffende een tijdelijke ontsluiting in de Zanden van Boutersem en de Mergel met Chara te Hoogbutsel, gemeente Boutersem, België. *Velpelven* 4(6): 250-253.
- Janssen, A.W. 1977. Rapport betreffende een ontsluiting in de vertebratenhorizon van Hoogbutsel, gemeente Boutersem, België. *Velpelven* 4(6): 254-260.
- Cadée, M.C. & Janssen, A.W. 1977. Literatuurbespreking (de Meuter & Laga). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 14(4): 127-128.
- Kruissink, E.C., Hinsbergh, V.W.M. van & Janssen, A.W. 1978. Een oost-westprofiel door oligocene afzettingen in de gemeente Borgloon (België, prov. Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 15(1): 3-18, 1 tab., 4 figs.
- Janssen, A.W. 1978. Reworked fossils (mainly molluscs) from a fluvioglacial deposit near Dinxperlo, province of Guelders, The Netherlands. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 15(2): 53-65, 1 fig., 2 tabs, 1 pl.
- Janssen, A.W., Cadée, M.C. Hinsbergh, V.W.M. van & Gaemers, P.A.M. 1978. *Excursionguide for the field trips D (26 September 1978) and H (1 October 1978). Lithology and stratigraphy of Oligocene of the Belgium provinces Limburg and Brabant*. Joint annual meeting Paläontologische Gesellschaft and Palaeontological Society, Maastricht, September-October 1978, 47 pp. 19 figs.
- Janssen, A.W. & Slik, L. van der 1978. De fossiele schelpen van de Nederlandse stranden en zeegaten, tweede serie, 7. *Basteria* 42(4-6): 49-72, pls 47-53.
- Janssen, A.W. 1979. Libri novi (Ellis). *Hydrobiologia* 62(1): 93.
- Janssen, A.W. 1979. Aantekeningen over drie notities. *Het Zeepaard* 39(1): 5-8.
- Janssen, A.W. 1979. Report on the first meeting of the subgroup on 14-16 March 1979 at Leiden and Noordwijkerhout, The Netherlands (Mollusca and other invertebrate mesofauna). *International Geological Correlation Programme, project 124, Report nr. 5*: 149-162.
- Janssen, A.W. 1979. Over de molluskenfauna van de Nuculaklei en de relatieve ouderdom van enkele midden-oligocene afzettingen in Belgisch Limburg. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 0(1): 10-18.
- Bor, T.J., Cadée, M.C. & Janssen, A.W. 1980. Een noord-zuidprofiel door oligocene afzettingen in de gemeenten Stevoort, Kozen en St. Truiden (België, provincie Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 17(1): 17-40, 1 tab., 11 figs.
- Janssen, A.W. 1980. Boekbespreking (Sanders & Cooper). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(4): 40.
- Janssen, A.W. 1980. A mollusc-fauna with 'Pseudamnicola' helicella (Braun) from the Atuatuca Formation (Oligocene) at St. Truiden (Belgium, province of Limburg). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 17(2): 43-55, 1 tab., 2 pls.
- Janssen, A.W. 1980. *Monacha cantiana* levend aangetroffen in de provincie Groningen. *Correspondentieblad Nederlandse Malacologische Vereniging* 194: 1013-1014.
- Janssen, A.W. 1980. Vindplaatsen van tertiaire fossielen in het Mainzer Bekken. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(3): 61-82, 14 figs.
- Cadée, M.C. & Janssen, A.W. 1980. Boekbespreking (Geys & Marquet). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(4): 96-97.
- Cadée, M.C. & Janssen, A.W. 1980. In memoriam D. van der Mark. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 1(4): 99-100.
- Janssen, A.W. 1980. Recente Mollusca van Koromacno bij Labin in oostelijk Istrië (Joegoslavië). *Correspondentieblad Nederlandse Malacologische Vereniging* 197: 1078-1095, 1 tab., 1 fig.
- Janssen, A.W. 1981. Literatuurbespreking (Cavelier). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 18(1): 10.
- Janssen, A.W. 1981. *Enkele opmerkingen bij het artikel "Fossielen uit de miocene afzetting van Miste bij Winterswijk" (Grondboor en Hamer, 1: 3-28, 108 afb. 1981), door B. van der Hoek*. Brochure bestemd om te worden samengevoegd met door de Stichting Freriks te verspreiden overdrukken van het besproken artikel, 4 pp.
- Janssen, A.W. 1981. A Holocene mollusc faunule from a temporary excavation near Standdaarbuiten (The Netherlands, province of Noord Brabant). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 18(1): 29-36, 2 figs., 1 pl.
- Janssen, A.W. 1981. *Schelpen. Een eenvoudige gids voor het op naam brengen van de meest voorkomende schelpen van de stranden van Scheveningen, Hoek van Holland, Voorne, Goeree en Schouwen*. Rotterdam (Dienst Sport en Recreatie, Bureau Natuur-recreatie en -educatie, gemeente Rotterdam), 3rd ed., 28 pp., many figs.
- Janssen, A.W. 1981. *Tridonta zelandica* Janssen & van der Slik, 1974, a junior synonym of *Astarte alaskensis* Dall, 1903. *Basteria* 45(4-5): 85-86, 1 fig.
- Janssen, A.W. 1981. *Cyrenorita*, a new genus for *Erycina neglecta* Nyst (Bivalvia, Corbiculidae). *Archiv für Molluskenkunde* 111(4-6): 243-256, 1 tab., 3 figs, 2 pls.
- Janssen, A.W. 1981. Molluskenfauna's en de stratigrafie van oligocene afzettingen in een tweetal kleigroeven te Sint-Niklaas, provincie Oost Vlaanderen, België. *Annalen Koninklijke Oudheidkundige Kring Land van Waas* 84(2): 9-39, 11 figs.
- Janssen, A.W. 1983. De fossielenatlas: een verzoek om medewerking. *Correspondentieblad Nederlandse Malacologische Vereniging* 211: 1350.
- Janssen, A.W. 1983. De Kauter, geologisch reservaat te Nieuw-Namen (Zeeuwsch-Vlaanderen, gemeente Hulst). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 4(2): 27-36.

- Cadée, M.C. & Janssen, A.W. 1983. The relation between *Streptochetus sexcostatus* (Beyrich, 1856) and *Streptochetus abruptus* (Beyrich, 1856) (Mollusca, Gastropoda) (Miocene, North Sea Basin). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 20(3): 95-104, 1 fig., 1 pl.
- Janse, A.C. & Janssen, A.W. 1983. The mollusc fauna of the Stermerdink Bed (Miocene, Reinbekian) from outcrops in the Slinge brook at Winterswijk-Brinkheurne (The Netherlands, province of Gelderland). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 20(3): 105-140, 2 tabs, 11 figs, 2 pls.
- Buurman, P. & Janssen, A.W. 1983. The stratigraphic position of the enigmatic Tertiary deposits called Holset Sands, and of related sands in Belgium. *Geologie & Mijnbouw*, 62: 431-436, 3 figs.
- Janssen, A.W. 1983. *Helicodiscus singleyanus inermis* uit Winterswijk-Brinkheurne. *Correspondentieblad Nederlandse Malacologische Vereniging* 215: 1441-1442.
- Janssen, A.W. 1983. Het geologisch reservaat "De Kauter" te Nieuw-Namen (Zeeuwsch-Vlaanderen, gemeente Hulst). *Jaarboek Oudheidkundige Kring "De vier Ambachten" (1982-1983)*: 193-208, 3 figs.
- Janssen, A.W. 1984a. An account of the Cancellariidae (Mollusca, Gastropoda) of Winterswijk-Miste (Miocene, Hemmoorian), The Netherlands. *Scripta Geologica* 68: 1-39, 4 figs., 6 pls.
- Janssen, A.W. 1984b. Type specimens of pteropod species (Mollusca, Gastropoda) described by Rolle (1861), Reuss (1867) and Kittl (1886), kept in the collection of the Naturhistorisches Museum at Vienna. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 21(2): 61-91, 1 tab., 6 pls.
- Cadée, M.C. & Janssen, A.W. 1984. Boekbespreking (Geys & Marquet). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 21(2): 92.
- Hoeksema, D.F. & Janssen, A.W. 1984. Rediscovery of the marine gastropod *Spiricella unguiculus* Rang, 1827 (Euthyneura, Umbraclidae) in Miocene deposits of the North Sea Basin and in the Recent fauna of South West Europe. *Basteria* 48(1-3): 7-11, 8 figs.
- Janssen, A.W., Peeters, G.A. & Slik, L. van der 1984. De fossiele schelpen van de Nederlandse stranden en zeegaten, tweede serie, 8 (slot). *Basteria* 48(4-5): 89-220, pls 54-94.
- Janssen, A.W. 1984c. Late Oligocene molluscs from a sand-pit near Máriahalom (Hungary): a preliminary study. *Annales Universitatis Scientiarum Budapestensis Rolando Eötvös Nominatae (Sectio geologica)* 24: 109-150, 3 figs, 4 pls.
- Janssen, A.W. 1984d. *Mollusken uit het Mioceen van Winterswijk-Miste. Een inventarisatie, met beschrijvingen en afbeeldingen van alle aangetroffen soorten*. Amsterdam (K.N.N.V., N.G.V. & R.G.M.), 451 pp., 4 tabs, 7 figs., atlas with 82 pls.
- Janssen, A.W. 1985. [1984] Over de geschiedenis van de Fossielenatlas. Voordracht gehouden op zaterdag 29 september 1984 in Teyler's Museum te Haarlem ter gelegenheid van het 50-jarig jubileum van de Nederlandse Malacologische Vereniging. *Correspondentieblad van de Nederlandse Malacologische Vereniging* 223: 28-32 (1985!).
- Cadée, M.C. & Janssen, A.W. 1985. *Glibertturricula vervoeneni* gen. et sp. nov. (Mollusca, Gastropoda, Turridae), a common species from Rupelian deposits in Belgium and Poland. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 21(4) (1984): 179-191, 6 figs, 2 pls.
- Janssen, A.W. 1985. Evidence for the occurrence of a "skinny" or "minute stage" in the ontogenetical development of Miocene *Vaginella* (Gastropoda, Euthecosomata) from the North Sea and Aquitaine Basins. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 21(4) (1984): 193-204, 13 figs.
- Janssen, A.W. & Müller, P. 1985. Miocene Decapoda and Mollusca from Ramsel (province of Antwerpen, Belgium), with a new crab genus and a new cephalopod species. *Scripta Geologica* 75: 1-26, 4 figs., 5 pls.
- Janssen, A.W. 1985. Ontsluitingen in het Bekken van Aquitaine. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 6(3): 74-97, 1 tab., 15 figs; 6(4): 104-129, 24 figs.
- Cadée, M.C. & Janssen, A.W. 1986. Boekbespreking (Glibert). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 23(1): 2.
- Janssen, A.W. 1986. On the identity of *Gonilia mioglypta* Nordsieck, 1972 (Mollusca, Bivalvia) from the Miocene of Winterswijk-Miste. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 23(1): 43-45.
- Janssen, A.W. & Nieuwenhuis, J.G.B. 1986. In memoriam L. van der Slik. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 23(3): 97-90, 1 fig.
- Janssen, A.W. & Nieuwenhuis, J.G.B. 1986. In memoriam L. van der Slik. *Correspondentieblad Nederlandse Malacologische Vereniging* 233: 198-201, 1 fig.
- Janssen, A.W. 1986. Pteropoden aus dem Tertiär, eine Bitte um Unterstützung. *Der Geschiebesammler* 419(4): 148-150, 11 figs.
- Janssen, A.W. (ed.) 1986. *Documents for the Third Meeting of the Regional Committee of Northern Neogene Stratigraphy*, Leiden, November 1986, 90 pp.
- Cadée, M.C. & Janssen, A.W. 1987. Boekbespreking (Peletier & Kolstee, 1986). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 23(4): 112.
- Janssen, A.W. (ed.) 1987. Proceedings of the Third Meeting of the R.C.N.N.S. (Regional Committee on Northern Neogene Stratigraphy) at Leiden, The Netherlands, 5-7 November 1986. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 24(1-2): 1-190.
- Anderson, H.-J. & Janssen, A.W. 1987. Short history and bibliography of the Regional Committee on Northern Neogene Stratigraphy (RCNNS), 1959-1987. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 24(1-2): 9-13
- Janssen, A.W. [1972] 1987. (facsimile reprint E.J. Brill, Leiden). Die Mollusken-Fauna der Twistringer Schichten (Miocän) von Norddeutschland. *Scripta Geologica* 10: 1-96, 42 figs, 11 pls.

- Janssen, A.W. 1987. Verslag van de WTKG zomerexcursie 1987 in de omgeving van Nantes en Angers (Frankrijk). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 8(4): 75-94, 17 figs.
- Janssen, A.W. & Verbeek, J.W. 1987. Minutes of the Joint Business Meetings of the Regional Committee on Northern Neogene Stratigraphy and the Regional Committee on Northern Paleogene Stratigraphy, held at Keyworth, U.K., 10 September 1987. *RCNNS-RCNPS Newsletter* 1: 2-6.
- Janssen, A.W. 1987. Long distance correlation of Caenozoic deposits by means of planktonic gastropods (pteropods); some examples of future possibilities (abstract). *Regional Committee on Northern Neogene Stratigraphy & Regional Committee on Northern Paleogene Stratigraphy. Documents for Joint Meeting at Keyworth, United Kingdom, 8-12 September 1987*. Keyworth (British Geological Survey), p. 20.
- Janssen, A.W. & Jagt, J.W.M. 1987. Late Oligocene fossiliferous deposits of local origin from Quaternary Rhine-deposits at Kamp-Lintfort, Lower Rhine District, F.R.G. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 24(4): 247-260, 1 tab., 1 fig., 3 pls.
- Engelen, F.H.G. & Janssen, A.W. 1987. Amateur geologists. In: Visser, W.A. Zonneveld, J.I.S. & Loon, A.J. van (eds). *Seventyfive years of geology and mining in The Netherlands (1912-1987)*. The Hague (Royal Geological and Mining Society of The Netherlands), pp. 85-89.
- Hinsch, W. 1988 (with contributions by Jakubowski, G., Janssen, A.W., Janssen, R. & King, C.). Benthic molluscs (Pelecypods, Gastropods). The description of the interregional zonation (BM zones) and its correlation with the regional lithostratigraphy. In: Vinken, R. et al. (eds). *The Northwest European Tertiary Basin. Results of the International Geological Correlation Programme Project no 124. Geologisches Jahrbuch (A) 100: 344-356, figs 180-187.*
- Janssen, A.W. & King, C. 1988. Planktonic molluscs (Pteropods). In: R. Vinken et al. (eds). *The Northwest European Tertiary Basin. Results of the International Geological Correlation Programme Project no 124. Geologisches Jahrbuch (A) 100: 356-368, figs 188-207.*
- Jagt, J.W.M. & Janssen, A.W. 1988. Preface to 'Faunal and stratigraphical aspects of the Early Palaeocene (Danian) in the SE Netherlands and NE Belgium'. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 25(2-3): 111-114, 3 figs.
- Jagt, J.W.M. & Janssen, A.W. 1988. *Jouannetia* (Bivalvia, Pholadidae) and *Neritopsis* (Gastropoda, Neritopsidae), two molluscs from the Danian (Palaeocene) of the Maastricht area (SE Netherlands and NE Belgium). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 25(2-3): 163-174, 1 fig., 2 pls.
- Jagt, J.W.M. & Janssen, A.W. 1988. The Danian in the Maastrichtian type area (SE Netherlands, NE Belgium): past, present and future research. *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 25(2-3): 213-223, 1 tab.
- Janssen, A.W. 1988. Geologie in Normandië, anders gezien. *De Kreukel* 25 (jubileumnummer): 1-21, 6 figs.
- Dijkstra, H.H. & Janssen, A.W. 1988. *Capedopecten anellus* gen. et spec. nov. (Mollusca, Bivalvia) from the Antwerp Sands (Miocene, Hemmoorian) in Belgium. *Basteria* 52: 175-187, 8 figs.
- Breure, A.S.H. & Janssen, A.W. 1989. Heruitgave van de 'Fossielenatlas': een uitdaging en een verzoek om medewerking en begrip. *Correspondentieblad Nederlandse Malacologische Vereniging* 247: 515-518.
- Janssen, A.W. 1989. Some new pteropod species from the North Sea Basin Cainozoic (Mollusca: Gastropoda, Euthecosomata). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 26(3): 91-133, 5 figs, 8 pls.
- Cadée, M.C. & Janssen, A.W. 1989. Book review (Báldi, T. 1986. Mid-Tertiary stratigraphy and paleogeographic evolution of Hungary). *Earth-Science Reviews* 26: 63-64.
- Janssen, A.W. 1990a. Pteropoda (Gastropoda, Euthecosomata) from the Australian Cainozoic. *Scripta Geologica* 91(1989): 1-76, 8 tabs, 3 figs, 13 pls.
- Janssen, A.W. 1990b. Long distance correlation of Cainozoic deposits by means of planktonic gastropods ('pteropods'); some examples of future possibilities. *Tertiary Research* 11(2-4), 65-72.
- Janssen, A.W. 1990c. Pteropod species (Mollusca, Gastropoda, Euthecosomata) from the Late Oligocene of Mogenstrup, Jylland, Denmark. *Contributions Tertiary and Quaternary Geology* 27(2-3): 83-91, 10 figs, 1 pl.
- Bosch, M. van den & Janssen, A.W. 1990. Application of planktonic gastropods ('pteropods') in biostratigraphy and interregional correlation of Rupelian deposits in Belgium and The Netherlands. *Veröffentlichungen aus dem Übersee Museum Bremen (A)* 10: 3-10, 1 tab.
- Janssen, A.W. 1990d. *Lyria (Lyria) picturata* (de Grateloup, 1834) from the Miocene of Winterswijk-Miste, The Netherlands, with notes on related taxa (Mollusca, Gastropoda). *Contributions Tertiary and Quaternary Geology* 27(4): 117-123, 1 pl.
- Janssen, A.W. 1990e. Report on the first meeting during the RCNNS/RCNPS bi-annual meeting at Bremen, on Wednesday 25 October 1989, and further developments. *RCNNS/RCNPS-Newsletter* 4:13-15.
- Janssen, A.W. 1991. 'Working Group Rupelian'. Outline of future activities concerning the designation of a formal stratotype and boundary stratotypes. Materials for the discussion during the Working Group's meeting on 10-13 October 1990 at Leuven, Belgium. *RCNNS-RCNPS Newsletter* 5: 2-7.
- Janssen, A.W. 1991. Working Group Rupelian. State of affairs after the Tübingen meeting. *RCNNS-RCNPS Newsletter* 5: 10
- Janssen, A.W. 1991. Definition der Rupelstufe als weltweite chronostratigraphische Einheit. *Zusammenfassungen der Vorträge und Poster, 61. Jahrestagung der Paläontologische Gesellschaft* Eggenburg 26.-29. September 1991, 1 pp.
- Janssen, A.W. 1991. 'Working Group Rupelian'. Progress-report 1989-1991. *Abstracts 3rd Bi-annual Joint Meeting RCNNS-RCNPS* Gent, 9-13 September 1991, 2 pp.
- Riewé, A. 1991. Uitdrukkingen en begrippen van vroeger en nu. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 12(4): 98-99.

- Janssen, A.W. 1992. European Palaeontological Association. *Nieuwsbrief Koninklijk Nederlands Geologisch en Mijnbouwkundig Genootschap* (1992)1: 11.
- Janssen, A.W. 1992. Working assemblage at Hannover, February 26-27, 1992 (multidisciplinary research on the Nieder Ochtenhausen borehole). *RCNNS/RCNPS-Newsletter* 6: 11.
- Janssen, A.W. 1992. Biostratigraphic application of 'Pteropoda' (Gastropoda, Euthecosomata) in Cainozoic deposits of the North Sea Basin and interregional correlations. *Proceedings 10th International Malacological Congress*, Tübingen, 1989: 489-492.
- Janssen, A.W. & Zorn, I. 1992. Revision of mainly Middle Miocene holoplanktonic gastropods, published by the late Wilhelm Krach from Poland. In: Giusti, G. & Mangianelli, G. (eds.). *Unitas Malacologica. Eleventh International Malacological Congress, Siena, Italy, 30th August-5th September 1992. Abstracts*. Siena (University of Siena), p. 119.
- Janssen, A.W. 1992. Zur Definition der Rupelstufe als weltweite chronostratigraphische Einheit. The definition of the Rupelian Stage as a global chronostratigraphic unit. *Neues Jahrbuch Geologische und Palaeontologische Abhandlungen* 186(13): 9195.
- Riewé, A. 1992. De touwladder. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 13(4): 99-104.
- Cadée, M.C. & Janssen, A.W. 1993. *Barbatia (Cucullaearca) vincenti* (Couffon, 1905), correct name for the so-called '*Barbatia bohémica*' from the Miocene of France. *Contributions Tertiary and Quaternary Geology* 29(3-4): 41-46, 1 pl.
- Zorn, I. & Janssen, A.W. 1993. *Vaginella tricuspidata* sp. nov. from the Late Oligocene of Hungary and France. *Contributions to Tertiary and Quaternary Geology* 29(3-4): 61-71, 5 pl.
- Riewé, A. 1993. De oesters van Sint Niklaas. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 14(3): 10-12.
- Janssen, A.W. & Janssen, R. (eds.) 1993. Proceedings Symposium 'Molluscan Palaeontology', 11th International Malacological Congress, Siena 1992. *Scripta Geologica, Special Issue 2*: 1-436, many figs., pls.
- Janssen, A.W. 1993. Introduction. In: Janssen, A.W. & Janssen, R. (eds.). Proceedings Symposium 'Molluscan Palaeontology', 11th International Malacological Congress, Siena 1992. *Scripta Geologica, Special Issue 2*: 5-6.
- Janssen, A.W. & Zorn, I. 1993. Revision of Middle Miocene Pteropoda (Mollusca, Euthecosomata) published by W. Krach. In: Janssen, A.W. & Janssen, R. (eds.). Proceedings Symposium 'Mollusca Palaeontology', 11th International Malacological Congress, Siena 1992. *Scripta Geologica, Special Issue 2*: 155-236, 13 figs., 11 pls.
- Janssen, A.W. 1994. 'Working Group Rupelian' Intermediate progress report. In: Jacobs, P. (ed.). Regional Committees on Northern Palaeogene and Neogene Stratigraphy, 3rd Bi-annual Joint Meeting Gent, 9-13.9.1991. *Bulletin Société belge Géologique* 102(1-2): 243-247.
- Cadée, M.C. & Janssen, A.W. 1994. A taxonomic revision of NW European Oligocene and Miocene Fasciolaridae traditionally included in the genus *Streptochetus* (Mollusca, Gastropoda). *Contributions Tertiary and Quaternary Geology* 31(2-4): 31-107, 37 figs., 6 pls.
- Rehfeld, U. & Janssen, A.W. 1995. Development of phosphatized hardgrounds in the Miocene Globigerina Limestone of the Maltese Archipelago, including a description of *Gamopleura melitensis* n. sp. (Gastropoda, Euthecosomata). *Fazies* 33: 91-106, 4 figs., pls 18-21.
- Janssen, A.W. 1995. Systematic revision of holoplanktonic Mollusca in the collections of the 'Dipartimento di Scienze della Terra' at Torino, Italy. *Monografie del Museo regionale di Scienze naturali, Torino* 17: 1-233, 3 figs., 14 pls.
- Janssen, A.W. 1995. Rapport betreffende het geologisch reservaat 'De Kauter' te Nieuw-Namen (Zeeuws-Vlaanderen, gemeente Hulst). Rapport nr. 83 Rijksmuseum van Geologie en Mineralogie, afdeling Caenozoische Mollusca Europa, Leiden. *De Kauter* 2(4): 81-93, 6 figs.
- Riewé, A., 1995. 'Ge zegt moar Fraanske!' Herinneringen aan de Tongerse tijd. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 16(4): 67-69.
- Janssen, A.W. 1996a. Geologie van Malta, toegelicht aan de hand van planktonische gastropoden. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 17(1): 11-13, 3 fig.
- Janssen, A.W. 1996b. On the identity of *Clio riccioli* (Calandrelli, 1844) (Gastropoda: Euthecosomata) from the Pliocene of Rome, Italy. *Contributions Tertiary and Quaternary Geology* 32(4): 89-95, 3 figs.
- Linden, J. van der & Janssen, A.W. 1996. *Philine aquila* sp. nov. from the Miocene of Winterswijk (Miste) (Gastropoda, Opisthobranchia). *Basteria* 59: 97-104, 6 figs.
- Janssen, A.W. & Dijkstra, H.H. 1996. Morphological differences between two species of *Palliolium* (Bivalvia: Pectinidae). *Basteria* 59: 107-113, 9 figs.
- Janssen, A.W. & Dijkstra, H. H. 1996. *Palliolium tigerinum* (Müller, 1776) versus *P. gerardi* (Nyst, 1835): a final reaction (Bivalvia: Pectinidae). *Basteria* 60(1-3): 83-84.
- Janssen, A.W. 1998. Holoplanktonic Mollusca (Gastropoda: Heteropoda and Thecosomata) from the Pliocene Bowden Beds, Jamaica. *Contributions Tertiary and Quaternary Geology* 35(1-4): 95-111, 2 pls.
- Gittenberger, E. & Janssen, A.W. (eds) 1998. *De Nederlandse zoetwatermollusken. Recente en fossiele weekdieren uit zoet- en brakwater*. Nederlandse Fauna 2. Nationaal Natuurhistorisch Museum Naturalis, KNNV Uitgeverij & EIS-Nederland, Leiden, 288 pp., 12 pls.
- Janssen, A.W. 1998. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 1. Holoplanktonic molluscs from the Miocene of Wadi Gharandel, Western Sinai (Egypt), revised. *Basteria* 62 (5-6): 193-196.
- Janssen, A.W. 1998. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 2. *Edithinella curva* sp. nov. from the Bockup Sandstone (Miocene, Reinbekian) of Wanzeberg near Ludwigslust (Mecklenburg-Vorpommern, Germany). *Basteria* 62 (5-6): 241-244, 1 fig.

- Janssen, A.W. 1999. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 3. Revision of M.-L. Tembrock's (1989) pteropod taxa. *Basteria* 63: 1-10, 17 figs.
- Janssen, A.W. 1999. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 4. A collection of euthecosomatous pteropods from the Miocene of the Karaman Basin, Turkey. *Basteria* 63: 11-15, 4 figs.
- Janssen, A.W. 1999. Neogene paleontology in the northern Dominican Republic, 20. Holoplanktonic mollusks (Gastropoda: Heteropoda and Thecosomata). *Bulletins of American Paleontology* 358: 5-40, 3 figs., 5 pls.
- Janssen, A.W. & Wesselingh, F.P. 1999. Een tijdje geleden. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 20(3): 56-59, 1 fig., 1 tab.
- Janssen, A.W. 1999. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 5. *Cuvierina jagti* Janssen, 1995, a junior synonym of *Dentalium (Gadilina) ludbrooki* Caprotti, 1962. *Basteria* 63: 109-110.
- Janssen, A.W. 1999. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 6. An assemblage from Poggio Musenna (Italy, Sicily) and its biostratigraphical interpretation in comparison to localities in northern Italy and in Malta. *Basteria* 63: 111-120, 12 figs.
- Janssen, A.W. 1999. Euthecosomatous gastropods (Mollusca: Heterobranchia) from Buton (SE Sulawesi, Indonesia), with notes on species from Viti Levu, Fiji; systematics, biostratigraphy. *Geologie & Mijnbouw* 78: 179-189, 14 figs.
- Janssen, A.W. 2000. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 7-9. 7. *Clio lucai* sp. nov. from the northern Italian Plio/Pleistocene, with some notes on the evolutionary lineages of the genus *Clio*; 8. *Cavolinia grandis* (Bellardi, 1873) from the Early Pliocene of New Zealand, a further example of long-distance correlation by means of pteropods; 9. Apertural reinforcements in *Limacina atypica* (Laws, 1944) from the Miocene of New Zealand. *Basteria* 64 (1-3): 35-50, 13 figs., 3 tabs
- Wesselingh, F.P. & Janssen, A.W. 2000. Schelpen uit het verleden. De onderafdeling 'Kenozoïsche Mollusca' van het NNM. *Grondboor en Hamer* 54(2-3), 37-38, 4 figs.
- Janssen, A.W. & Zorn, I. 2001. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 10. *Clio (Balantium) collina* sp. nov., for *Clio* sp.? and *Clio lavayssei* non Rutsch, 1934 (Miocene, Italy). *Basteria* 65: 47-50.
- Janssen, A.W. 2001. The age of the North Sea Basin Hemmoorian (Miocene): holoplanktonic molluscan evidence. Selected papers presented at the 7th Biannual RCNNS-RCNPS meeting, Leuven 20-23th September 1999. *Aardkundige Mededelingen* 11: 45-50.
- Janssen, A.W. & Zorn, I. 2001. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 11. *Limacina* Bosc, 1817: precedence over *Spiratella* Blainville, 1817 (Mollusca, Gastropoda: Euthecosomata). *Basteria* 65: 147-149.
- Janssen, A.W. 2001. The Nieder Ochtenhausen borehole: sampling of the core for macropalaeontological analysis and results on holoplanktonic Mollusca (pteropods). In: K.-J. Meyer (ed.). Forschungsbohrung Nieder Ochtenhausen. Ein Beitrag zur Miozän-Stratigrafie in NW-Deutschland. *Geologisches Jahrbuch (A)* 152: 341-355, 1 tab., 2 figs., 1 pl.
- Janssen, A.W. 2002. Book review. O. Schultz. Bivalvia neogenica (Nuculacea-Unionacea). *Cainozoic Research* 1(1-2): 137-138.
- Janssen, A.W. & Gürs, K. 2002. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 12. On the identity of *Hyalea perovalis* von Koenen, 1882 (Mollusca, Gastropoda, Euthecosomata) from the Early Miocene of the North Sea Basin. *Basteria* 66: 143-148, 4 figs.
- Janssen, A.W. 2002. Book review. O. Schultz. Bivalvia neogenica (Nuculacea-Unionacea). *Basteria* 66: 121-122.
- Gürs, K. & Janssen, A.W. 2002. Revised pteropod biostratigraphy for the Miocene of the North Sea Basin. In: K. Gürs (ed.). Northern European Cenozoic Stratigraphy. *Proceedings of the 8th biannual meeting of the RCNNS, RCNPS*, 117-131, 7 tabs, 2 pls. Flintbek, Landesamt für Natur und Umwelt Schleswig-Holstein.
- Janssen, A.W. 2003. Book review. O. Schultz. Bivalvia neogenica (Nuculacea-Unionacea). *Unitas Malacologica Newsletter* 19: 7-8.
- Janssen, A.W. 2003. Book review. R. Marquet. The Neogene Amphineura and Bivalvia (Protobranchia and Pteriomorpha) from Kallo and Doel (Oost Vlaanderen, Belgium). *Basteria* 67(1-3): 65-66.
- Janssen, A.W. & Gürs, K. 2003. Rectification. *Basteria* 67(1-3): 66.
- Janssen, A.W. & Petit, R.E. 2003. *Brocchinia gerdae* sp. n., a new cancellariid gastropod from the Late Langhian (Miocene) of NW Germany. *Cainozoic Research* 2(1-2): 157-162, 8 figs., 1 tab.
- Janssen, A.W. 2003. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 13. Considerations on a subdivision of Thecosomata, with the emphasis on genus group classification of Limacinidae. *Cainozoic Research* 2(1-2): 163-170.
- Janssen, A.W. 2003. Book review. R. Marquet (in collaboration with P. Moerdijk and F.A.D. van Nieulande). The Neogene Amphineura and Bivalvia (Protobranchia and Pteriomorpha) from Kallo and Doel (Oost Vlaanderen, Belgium). *Cainozoic Research* 2(1-2): 171-172.
- Janssen, A.W. 2003. Het mistte in Miste. Voordracht gehouden op de jubileumvergadering van 6 december 2003. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie*, Mistenummer september 2003: 37-41.
- Janssen, A.W. 2004. Fossils from the Lower Globigerina Limestone Formation at Wardija, Gozo (Miocene, Aquitanian), with a description of some new pteropod species (Mollusca, Gastropoda). *The Central Mediterranean Naturalist* 4(1) (December 2003): 1-33, 5 figs., 4 pls.
- Janssen, A.W. & Moerdijk, P.W. 2004. Revision of Pliocene representatives of *Cyclocardia* (Mollusca, Bivalvia: Carditidae) from the North Sea Basin. *Basteria* 68: 77-85, 4 figs.
- Gürs, K. & Janssen, A.W. 2004. Sea-level related molluscan plankton events (Gastropoda, Euthecosomata) during the Rupelian (Early Oligocene) of the North Sea Basin. *Netherlands Journal of Geosciences* 83(3): 199-208, 5 figs.

- Gittenberger, E. & Janssen, A.W. (eds.) 2004. *De Nederlandse zoetwatermollusken. Recente en fossiele weekdieren uit zoet- en brakwater*. Nederlandse Fauna 2. (Nationaal Natuurhistorisch Museum Naturalis, KNNV Uitgeverij & EIS-Nederland, Leiden), 292 pp., 12 pls., tweede, herziene druk.
- Janssen, A.W. 2004. Holoplanktonic molluscan assemblages from the Pliocene of Estepona (Spain, Málaga). *Palaeontos* 5: 103-131, 4 tabs., 4 figs., 4 pls.
- Janssen, A.W. 2005. Book review. Schultz, O. 2003. Bivalvia neogenica (Lucinoidea-Mactroidea). *Catalogus Fossilium Austriae* 1(2). *Unitas Malacologica Newsletter* 22: 4-5.
- Janssen, A.W. 2005. Book review. O. Schultz. Bivalvia neogenica (Lucinoidea-Mactroidea). *Catalogus Fossilium Austriae* 1(2) *Basteria* 69(1-3): 12
- Janssen, A.W. 2005. Development of Cuvierinidae (Mollusca, Euthecosomata, Cavolinioidae) during the Cainozoic: a non-cladistic approach with a re-interpretation of recent taxa. *Basteria* 69(1-3) 25-72, 2 tabs, 36 figs.
- Janssen, A.W. 2005. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 14. A new species of *Vaginella* (Gastropoda, Euthecosomata, Cavoliniidae) from the Late Oligocene of the North Sea Basin and its bearing on Chattian biostratigraphy. *Basteria* 69(1-3): 73-80, 4 tabs, 2 figs.
- Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 15. Description of *Edithinella doliarius* spec. nov. (Gastropoda, Euthecosomata), from the Miocene (Langhian) of the Maltese archipelago. *Basteria* supplement 3: 45-48, 1 fig.
- Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 16. Some additional notes and amendments on Cuvierinidae and on classification of Thecosomata (Mollusca, Euthecosomata). *Basteria* 70(1-3): 67-70.
- Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 17. On the status of some pteropods (Gastropoda, Euthecosomata) from the Miocene of New Zealand, referred to as species of *Vaginella*. *Basteria* 70(1-3): 71-83
- Janssen, A.W. 2006. Book review. O. Schultz, 2006. Bivalvia neogenica (Solenoidea-Clavagelloidea). *Catalogus Fossilium Austriae* 1(3). *Basteria* 70(1-3): 84
- Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 18. On the status of *Cuvierina* (*Cuvierina*) *ludbrooki* and *C. (C.) jagti* (Gastropoda, Euthecosomata). *Basteria* 70(1-3): 85-88.
- Janssen, A.W. 2007. Book review. Michael Gatt, 2006. Il Geologija u l-Paleontologija tal-gzejjer Maltin, 1-2. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 27 (4): 70.
- Janssen, A.W. 2007. Book review. Schultz, O. 2006. Bivalvia neogenica (Solenoidea-Clavagelloidea). *Catalogus Fossilium Austriae* 1(3). *Unitas Malacologica Newsletter* 24:18-19.
- Janssen, A.W. 2007. Pteropoden uit de Aquitaine. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 28(2): 34-35, 6 figs.
- Janssen, A.W. 2007. Uit d'oude doos: ontsluiting en boring A 1 bij kasteel Alde Biesen, 1972. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 28(2): 37-41, 8 figs.
- Janssen, A.W. 2007. Holoplanktonic Mollusca (Gastropoda) from the Gulf of Aqaba, Red Sea and Gulf of Aden (Late Holocene-Recent) *The Veliger* 49(3): 140-195, 3 tabs, 7 figs., 24 pls.
- Janssen, A.W. & Seapy, R.R. 2007. Case 3404. *Atlanta lesueurii* Souleyet, 1852 (Mollusca, Gastropoda, Pterotracheoidea, Atlantidae): proposed conservation of the specific name. *Bulletin of Zoological Nomenclature* 64(4): 224-226. [A ruling on this proposal was published by ICZN: Opinion 2216 (Case 3404). *Atlanta lesueurii* J.E. Gray, 1850 (Mollusca, Gastropoda, Pterotracheoidea, Atlantidae): specific name conserved. *Bulletin of Zoological Nomenclature* 66(1): 89-90.]
- Janssen, A.W. 2007. Holoplanktonic Mollusca (Gastropoda: Pterotracheoidea, Janthinoidea, Thecosomata and Gymnosomata) from the Pliocene of Pangasinan (Luzon, Philippines). *Scripta Geologica* 135: 29-177, 27 tabs, 8 figs., 25 pls.
- Janssen, A.W., Schnetler, K.I. & Heilmann-Clausen, C. 2007. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 19. Pteropods (Gastropoda, Euthecosomata) from the Eocene Lillebaelt Clay Formation (Denmark, Jylland). *Basteria* 71(4-6): 157-168, 13 figs.
- Panchang, R., Niegam, R., Riedel, F., Janssen, A.W. & Ko Yi Hla, U. 2007. A review of the studies on pteropods from the northern Indian Ocean region with a report on the pteropods of Irrawadd continental shelf off Myanmar (Burma). *Indian Journal of Marine Sciences* 36(4): 384-398, 5 tabs. 3 figs. [Note: This paper was published without Janssen, A.W.'s knowledge. He states that he does not necessarily agree with all statements and/or conclusions and adds that there are many incorrect pteropod names and the nomenclature of several species has been overruled in the meantime.]
- Janssen, A.W. 2008a. *Heliconoides linneensis* sp. nov., a new holoplanktonic gastropod (Mollusca, Thecosomata) from the Late Oligocene of the Aquitaine Basin (France, Landes). *Zoologische Mededelingen Leiden* 82: 69-72, figs. 1-7.
- Janssen, A.W. 2008b. What's in a name? That what we call a rose bij [sic] any other name *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 29(1): 3-7
- Janssen, A.W. 2008c. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 20. A new pteropod genus and species, *Hameconia edmundi* gen. nov. spec. nov. (Mollusca, Gastropoda, Sphaerocinidae), from the Late Oligocene of SW France. *Basteria* 72: 159-163, 5 figs.
- Janssen, A.W., Kroh, A. & Ávila, S.P. 2008. Early Pliocene heteropods and pteropods (Mollusca, Gastropoda) from Santa Maria Island (Azores, Portugal): systematics and biostratigraphic implications. *Acta Geologica Polonica* 58: 355-369, 1 table, 6 figs., 1 pl.

- Janssen, A.W. 2009. De 'fossielenatlas': meer dan 50 jaar historie ... de mensen, de feiten. In: Cadée, G.C., S. van Leeuwen & J.J. ter Poorten (eds). *Schitterende schelpen en slijmerige slakken; 75 jaar NMV: malacologie als hobby en professie*. Nederlandse Malacologische Vereniging: 36-46, 15 figs.
- Janssen, A.W. & Seapy, R.R. 2009. Case 3494. *Atlanta inflata* Gray, 1850 (Mollusca, Gastropoda, Pterotracheoidea, Atlantidae): proposed conservation of the specific name. *Bulletin of Zoological Nomenclature*, 66(3): 247-249. (ICZN Opinion 2266, with a ruling in Case 3494 is added to this paper)
- Janssen, A.W. 2009. Domme, stoere knapen. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 30(4): 82.
- Janssen, A.W. 2009. Jan Nieuwenhuis (1924-2009) overleden. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 30(4): 84.
- Janssen, A.W. & Seapy, R.R. 2009. On the identity and distribution of *Atlanta inflata* Gray, 1850 (Gastropoda, Pterotracheoidea, Atlantidae) in the world's oceans. *Basteria* 73(4-6): 139-157.
- Moerdijk, P.W., Janssen, A.W., Wesselingh, F.P., Peeters, G.A., Pouwer, R., Nieulande, F.A.D. van, Janse, A.C., Slik, L. van der (†), Meijer, T., Rijken, R., Cadée, G.C., Hoeksema, D., Doeksen, G., Bastemeijer, A., Strack, H., Vervoenen, M. & ter Poorten, J.J. 2010. *De fossiele schelpen van de Nederlandse kust*. Leiden, Nederlands Centrum voor Biodiversiteit Naturalis, 332 pp., 2 tabs, 576 figs.
- Cahuzac, B. & Janssen, A.W. 2010. Eocene to Miocene pteropods (Gastropoda, Euthecosomata) from the Aquitaine Basin, SW France. *Scripta Geologica* 141: 1-193, 1 table, 7 figs., 27 pls.
- Janssen, A.W. 2010. De segrijnslak, *Cornu aspersum* (Müller, 1774) en de economie van het grondstoffenbeheer, of: hoe een objectieve waarneming tot foutieve conclusies kan leiden. *Spirula* 374: 70-72, 4 fig.
- Janssen, A.W. & Little, C.T.S. 2010. Holoplanktonic Mollusca from the Miocene of Cyprus. *Palaeontology* 53(5): 1111-1145, 7 figs, 7 pls.
- Janssen, A.W. 2010. Een pteropode nieuw voor het Pliocene van Estepona (Spanje). *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 31(3): 62-64, 1 tab., 1 fig.
- Janssen, A.W. & J. van der Voort 2010. Stratigrafie, moleculair onderzoek en de zin van fossielen verzamelen: ... uittreksel uit een e-mail correspondentie. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 31(3): 67-68, 1 fig.
- Janssen, A.W. 2010. Pteropods (Mollusca, Euthecosomata) from the Early Eocene of Rotterdam (The Netherlands). *Scripta Geologica Special Issue 7*: 161-175, 17 figs. 2 tabs.
- Grebneff, A. (†), Janssen, A.W. & Lee, D.E. 2011. A new euthecosomatous gastropod *Gamopleura maxwelli* sp. n. (Gastropoda: Cavolinioidea, Cavoliniidae) from the Late Oligocene of southern New Zealand. *New Zealand Journal of Geology and Geophysics* 54(1): 69-74, 4 figs.
- Janssen, A.W. 2011. Boorders en holtebewonende bivalven. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 32(1): 8-9.
- Cahuzac, B. & Janssen, A.W. 2011. Les ptéropodes - groupe de mollusques présentés dans la rubrique: Le(s) fossile(s) du no. 28-29. *L'Écho des Faluns* 28-29: 34-36, 5 figs., 1 pl.
- Cahuzac, B. & Janssen, A.W. 2011. Pteropoden. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 32(2): 24-26.
- Cahuzac, B. & Janssen, A.W. 2011. Eocene tot miocene holoplanktonische mollusken van het Aquitaine Bekken, ZW Frankrijk. Presentatie van de eerste biozonering gebaseerd op pteropoden van het Cenozoïcum in de Aquitaine. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 32(2): 27-33.
- Wesselingh, F.P., R. Pouwer, P.W. Moerdijk & Janssen, A.W. 2011. Op naar de fossiele slakken van onze kust. *Spirula* 379: 28-29.
- Janssen, A.W. 2011 (met bijdragen van Bosch, M. van den, Burger, A., Janse, A.C., Lindemann, T., Meijer, T., Moerdijk, P.W., Pouwer, R., Vaessen, L. & Wesselingh, F.P.). Over 'Afzettingen', Afzetting, afzetting en Laagpakket. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 32(3): 54-61, 2 figs.
- Janssen, A.W., King, C. & Steurbaut, E. 2011. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 21. Early and middle Eocene (Ypresian-Lutetian) holoplanktonic Mollusca (Gastropoda) from Uzbekistan. *Basteria* 75(4-6): 71-93.
- Janssen, A.W. 2012a. Late Quaternary to Recent holoplanktonic Mollusca (Gastropoda) from bottom samples of the eastern Mediterranean Sea: systematics, morphology. *Bollettino Malacologico* 48, supplemento 9: 1-104.
- Janssen, A.W. 2012b. Systematics and biostratigraphy of holoplanktonic Mollusca from the Oligo-Miocene of the Maltese Archipelago. *Bollettino del Museo Regionale di Scienze Naturali, Torino* 28(2) (2010): 197-601. 72 figs, 27 Plates.
- Janssen, A.W. & Grebneff, A. 2012. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 22. Further pelagic gastropods from Viti Levu, Fiji Archipelago. *Basteria* 76(1-3): 15-30, 3 tabs. 19 figs.
- Janssen, A.W. 2012c. Pteropoden en oceaanzurging. *Spirula* 387: 96-98, 1 fig. (+ cover photograph).
- Janssen, A.W. 2012d. Early Pliocene heteropods and pteropods (Mollusca, Gastropoda) from Le Puget-sur-Argens (Var), France. *Cainozoic Research* 9(2): 145-187.
- Janssen, A.W. 2012e. Validation of holoplanktonic molluscan taxa from the Oligo-Miocene of the Maltese Archipelago, introduced in violation with ICZN regulations. *Cainozoic Research* 9(2): 189-191.
- Cahuzac, B. & Janssen, A.W. 2012. Présentation de la première biozonation basée sur les ptéropodes (mollusques holoplanctoniques) dans le Cénozoïque du Bassin d'Aquitaine. Origines de certains noms d'espèces. *L'Écho des Faluns Saucats* 30-31: 37-40.
- Goedert, J.L., Peckmann, J., Benham, S.R. & Janssen, A.W. 2013. First record of the pteropod *Heliconoides nitens* (Gastropoda: Thecosomata: Limacinidae) from the Pacific Basin. *Proceedings of the Biological Society of Washington*, 126(1): 72-82.
- Janssen, A.W., Renema, W. & Wesselingh, F.P. 2013. Notes on the systematics, morphology and biostratigraphy of fossil holoplank-

- tonic Mollusca, 23. A new pteropod, *Tibiella watupuruensis* spec. nov. (Thecosomata, Creseidae), from Eocene (early Bartonian) rocks of the Nanggulan Formation, Java (Indonesia). *Basteria* 77(1-3) 13-163 figs.
- Janssen, A.W., Jagt, J.W.M., Yazdi, M., Bahrami, A. & Sadri, S. 2013. Early-middle Eocene faunal assemblages from the Soh area, north-central Iran, 1. Introduction and pteropods (Mollusca, Gastropoda, Thecosomata). *Cainozoic Research* 10(1-2): 23-34. <https://doi.org/10.13140/2.1.3210.3044>
- Janssen, A.W. & Peijnenburg, K.T.C.A. 2013. Holoplanktonic Mollusca: development in the Mediterranean Basin during the last 30 Ma and their future. In: Goffredo, S. & Dubinsky, Z. (eds). *The Mediterranean Sea. Its history and present challenges*. Dordrecht (Springer): 341-362, figs 19-1/15. https://doi.org/10.1007/978-94-007-6704-1_19
- Gasca, R. & Janssen, A.W. 2013. Taxonomic review, molecular data and key to the species of Creseidae from the Atlantic Ocean. *Journal of Molluscan Studies* (2013): 1-8. <https://doi.org/10.1093/mollus/eyt038>
- Janssen, A.W. 2014. Biostratigraphic interpretation of Miocene holoplanktonic mollusc assemblages from Gargano and Salento (Puglia), Italy. *Journal of Mediterranean Earth Sciences* 5 (2013): 229-244, 3 tabs, 12 figs. <https://doi.org/10.3304/JMES.2013.001>
- Janssen, A.W., Janssen, R., Tracey, S., Vaessen, L.M.B. & Voort, J. van der 2014. History of a marine, Cainozoic gastropod taxon, *Conus antediluvianus* Bruguière, 1792 and its nomenclatural implications. *Cainozoic Research* 14(1): 73-90, 19 figs. <https://doi.org/10.13140/2.1.1178.6888>
- Janssen, A.W. & Wesselingh, F.P. 2014. Herinneringen aan Gijs Peeters. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 35(3) 90-92, 4 figs.
- Janssen, A.W. 2014. Richard (Dick) Petit overleden. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 35(3): 71
- Langeveld, B., Janssen, A.W. & Elderen, C. van 2014. 'Miste Day' 9 February 2014: a continuation and a promising start! *Deposits Magazine* 40: 26-27.
- Janssen, A.W., Janssen, R., Tracey, S., Vaessen, L.M.B. & Voort, J. van der 2014. Case 3668. *Conus antediluvianus* Bruguière, 1792 (Mollusca, Gastropoda, Conidae): proposed conservation of prevailing usage of specific name by setting aside the unidentifiable lectotype and replacing it with a neotype. *Bulletin of Zoological Nomenclature* 71(4): 223-229.
- Wesselingh, F.P., Niculande, F. van, Fraussen, K., Moerdijk, P.W., Janssen, A.W., Pouwer, R. & Rijken, R. 2014. De fossiele schelpen van de Nederlandse kust II, deel 8. Buccinoidea, *Spirula* 401: 195-205, figs 1-40.
- Cluzaud, A., Lesport, F., Cahuzac, B. & Janssen, A.W. 2014. Mollusques. In: Londeix, L. (ed.). *Stratotype Aquitainien*. Paris (Publications scientifiques du Muséum; Biotopie Éditions, Mèze): 223-225, figs 169-175.
- Janssen, A.W. & Wesselingh, F.P. 2015. Herdrukken van de 'Monographs'. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie*, 36(1): 20-21
- Janssen, A.W. & Wesselingh, F.P. 2015. Book review (A monograph of the Crag Mollusca, by Searles V. Wood, and A monograph of the Eocene Mollusca of England, by Frederic E. Edwards & Searles V. Wood; originally published by the Palaeontographical Society, reprinted by Cambridge University Press). *Geological Journal*. Online version, March 2015. <https://doi.org/10.1002/gj.2658>
- Dulai, A., Gatt, M., Moissette, P. & Janssen, A.W. 2015. Oligocene and Miocene brachiopods of the Maltese Islands: taxonomy, diversity, distribution. In: Huang, B. & Shen, S. (eds.): *The Brachiopod World. Abstracts for 7th International Brachiopod Congress. Permophiles, Newsletter of the Subcommittee on Permian Stratigraphy* 61, Supplement 1: 26-28.
- Janssen, A.W. 2015. Pelagische gastropoden van de Nederlandse kust. *Spirula* 402: 11-12, 7 figs.
- Janssen, A.W., Janssen, R. & Voort, J. van der 2015. *Spaniodontella* Andrussov in Goloubiatnikow, 1902 - a critical survey of use and validity of the genus, and its relationship to the genus *Alveinus* Conrad, 1865 (Mollusca, Bivalvia: Glossoidea, Kelliellidae). *Cainozoic Research* 15(1-2): 127-146, 10 figs, 2 pls.
- Janssen, A.W. & Wesselingh, F.P. 2015. Anton Corvinus Janse, 28.5.1940-26.7.2015, terug naar het licht. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 36(3): 52-58, 3 figs.
- Janssen, A.W. 2015. De Miste Facebook pagina: een fenomeen. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 36(4): 118-120, 3 figs.
- Wall-Palmer, D., Smart, C.W., Kirby, R., Hart, M.B., Peijnenburg, K.T.C.A. & Janssen, A.W. 2016. A review of the ecology, palaeontology and distribution of the Atlantidae. *Journal of Molluscan Studies* (2016): 1-14, 7 figs. <https://doi.org/10.1093/mollus/eyv063>
- Janssen, A.W. 2016. Chris King and the pteropods. In: *My Paleogene and other times. A full day meeting to celebrate the geological contributions of Chris King*. Friday, April 22nd, 2016 at 9:30 am. London (Geological Society): 16-17.
- Landau, B.M., Voort, J. van der & Janssen, A.W. 2016. A note on works published by Millet de la Turtaudière (1827-1866) and Nyst ('1881'). *Cainozoic Research* 16(1): 35-49.
- Janssen, A.W. 2016. Clade *Thecosomata* de Blainville, 1824; Age of the assemblage (part). In: Landau, B.M., Silva, C.M. da, Heitz, A. & Jansen [sic], A.W. Systematics of the gastropods of the lower-middle Miocene Cantaure Formation, Paraguaná Formation, Paraguaná Peninsula, Venezuela. *Bulletins of American Paleontology* 389-390: 278-282, 285, pl. 95.
- Sessa, J.A., Janssen, A.W. & Thomas, E. 2016. Pteropods in the New Jersey Paleocene-Eocene Thermal Maximum (PETM) *International Conference on Palaeoceanography*. The Netherlands, August 29-September 2, 2016. Abstract.
- Sessa, J.A., Thomas, E. & Janssen, A.W. 2016. Pteropods from the Paleocene-Eocene Thermal Maximum (PETM) of the Atlantic coastal plain, USA. *Geological Society of America, Annual Meeting in Denver, Colorado, USA, 2016, Abstracts*, paper nr 192-10.
- Janssen, A.W. & Goedert, J.L. 2016. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 24. First observation of a genuinely Late Mesozoic thecosomatous pteropod. *Basteria* 80(1-3): 59-63.
- Burridge, A.K., Janssen, A.W. & Peijnenburg, K.T.C.A. 2016. Revision of the genus *Cuvierina* Boas, 1886 based on integrative taxonomic data, including the description of a new species from the Pacific Ocean (Gastropoda, Thecosomata). *ZooKeys* 619:1-12.

- <https://doi.org/10.3897/zookeys.619.10043>
- Wall-Palmer, D., BurrIDGE, A.K., Peijnenburg, K.T.C.A., Janssen, A.W., Goetze, E., Kirby, R., Hart, M.B. & Smart, C.W. 2016. Evidence for the validity of *Protatlanta sculpta* (Gastropoda: Pterotracheoidea). *Contributions to Zoology* 85(4): 423-435.
- Janssen, A.W., Sessa, J.A. & Thomas, E. 2016. Pteropoda (Mollusca, Gastropoda, Thecosomata) from the Paleocene-Eocene Thermal Maximum (United States Atlantic Coastal Plain). *Palaeontologia Electronica* 19.3.47A: 1-26. <https://palaeo-electronica.org/content/2016/1662-pteropoda-from-the-usa-petm>
- Janssen A.W. & Hellyar, Lynette 2017. Pteropoda (Mollusca, Gastropoda, Euthecosomata) from the Miocene Taumarunui Formation of New Zealand. *New Zealand Journal of Geology and Geophysics* 60(1): 51-58, 5 figs. <https://doi.org/10.1080/00288306.2016.1256329>
- Janssen, A.W., Pouwer, R., Wesselingh, F, Vogel, E. de & Sonius, P. 2017. Oproep: op weg naar een nieuw 'Miste-boek'? *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 38(1): 4-5. 3 figs.
- Janssen, A.W., Pouwer, R., Wesselingh, F, Vogel, E. de & Sonius, P. 2017. Oproep: op weg naar een nieuw 'Miste-boek'? *Spirula* 410: 12-13, 2 figs.
- Janssen, A.W. & Peijnenburg, K.T.C.A. 2017. An overview of the fossil record of Pteropoda (Mollusca, Gastropoda, Heterobranchia). *Cainozoic Research* 17(1): 3-10, 2 figs.
- BurrIDGE, A.K., Hörnlein, C., Janssen, A.W., Hughes, M., Bush, S.L., Marlétaz, F., Gasca, R., Pierrot-Bults, A.C., Michel, E., Todd, J.A., Young, J.R., Osborn, K.J., Menken, S.B.J. & Peijnenburg, K.T.C.A. 2017. Time-calibrated molecular phylogeny of pteropods. *PlosONE*. 12(6): e0177325. <https://doi.org/10.1371/journal.pone.0177325>
- Cotton, L.J., Janssen, A.W. Pearson, P.N. & Driel, R. van 2017. Pteropoda (Mollusca, Gastropoda, Thecosomata) from the Eocene/Oligocene boundary interval of three cored boreholes in southern coastal Tanzania and their response to the global cooling event. *Palaeontologia Electronica* 20.3.52A: 1-21. <https://doi.org/10.26879/733>
- Sessa, J.A., Bralower, T.J., Janssen, A.W., Robison, M.M., Thomas, E. and Self-Trail, J.M. 2017. The Paleocene-Eocene Thermal Maximum (PETM) mollusk fauna of the Atlantic Coastal Plain, USA. *Abstracts for meeting CBEP (Climatic and Biotic Events of the Paleogene)*, September 4-7, 2017. Snowbird, Utah.
- Wall-Palmer, D., BurrIDGE, A.K., Goetze, E., Stokvis, F.R., Janssen, A.W., Mekkes, L., Moreno-Alcántara, M., Bednaršek, N., Schiötte, T., Sørensen, M.W., Smart, C.W. & Peijnenburg, K.T.C.A. 2018. Biogeography and genetic diversity of the atlantic heteropods. *Progress in Oceanography* 60: 1-25. Published online 4 November 2017. <https://doi.org/10.1016/j.pocean.2017.11>
- Janssen, A.W. 2018. The status of *Cuvierina spoeli* Rampal, 2002 and *Cuvieria oryza* Benson, 1835 (Gastropoda, Pteropoda, Cuvierinidae) [La position de *Cuvierina spoeli* Rampal, 2002 et *Cuvieria oryza* Benson, 1835 (Gastropoda, Pteropoda, Cuvierinidae)]. *Zootaxa* 4459 (2): 369–375. <https://doi.org/10.11646/zootaxa.4459.2.9>
- Janssen, A.W., BurrIDGE, A.K., Mekkes, L. & Peijnenburg, K.T.C.A. 2018. History of the *Clio pyramidata*-complex (Mollusca, Gastropoda, Euthecosomata, Cliidae) in the northern and central Atlantic Ocean, Caribbean and Mediterranean, restoring its original concept. *Basteria* 82 (4-6): 83-102.
- Janssen, A.W. 2018. Notes on the systematics, morphology and biostratigraphy of holoplanktic Mollusca, 25. Once more: the correct name for the type species of the genus *Creseis* Rang, 1828 (Pteropoda, Euthecosomata, Creseidae). *Basteria* 82(4-6): 110-112.
- Janssen, A.W., Bush, S.L. & Bednaršek, N. 2019. The shelled pteropods of the northeast Pacific Ocean (Mollusca: Heterobranchia, Pteropoda). *Zoosymposia* 13: 305–346. <http://dx.doi.org/10.11646/zoosymposia.13.1.22> & <http://zoobank.org/urn:lsid:zoobank.org:pub:BB4F34E8-8EFB-439E-B41F-EFC948996295>
- Donovan, S.K., Janssen, A.W., Portell, R.W. & Winter A.J. de 2019. A holoplanktic gastropod in a raised reef: Hopegate Formation, Jamaica (upper Pliocene). *Paläontologische Zeitschrift (PalZ)*, Published online 19 April 2019. 5 pp. 2 figs. <https://doi.org/10.1007/s12542-019-00449-y>
- Janssen, A.W. & Wilson, B. 2019. Notes on a collection of juvenile holoplanktic Mollusca from the Miocene of Trinidad, with the introduction of the new genus *Chriskingia*. *Cainozoic Research* 19(1): 79-94.
- Janssen, A.W. & Lenaerts, J. 2019. Notes on the systematics, morphology and biostratigraphy of holoplanktic Mollusca, 26. An unexpected pteropod occurrence (Euthecosomata, Limacinidae) in euryhaline Early Oligocene mollusc assemblages in the Belgian province of Limburg. *Basteria* 83 (4-6): 102-108, 12 figs.
- Janssen, A.W. 2019a. Zo werd, en bleef ik, sinds 1956 NMV-lid. *Spirula* 421, Supplement 3 (2019), p. 24-25., 2 figs.
- Janssen, A.W. 2019b. Exit *Chriskingia* Janssen, A.W. 2019, a junior synonym of *Atlantidea* Pilsbry, 1922 (Mollusca, Gastropoda, Atlantidae). *Cainozoic Research* 19(2), p. 134.
- Peijnenburg, K.T.C.A., Janssen, A.W., Wall-Palmer, D., Goetze, E., Maas, Todd, J.A. & Marlétaz, F. 2020. The origin and diversification of pteropods predate past perturbations in the Earth's carbon cycle. *Proceedings of the National Academy of Sciences (PNAS)*. 25609-25617. <https://doi.org/10.1073/pnas.1920918117> [Preprint available at BioRxiv, first posted online Oct. 21, 2019]; <http://dx.doi.org/10.1101/813386>
- Garvie, C.L., Goedert, J.L. & Janssen, A.W. 2020. Paleogene and Late Cretaceous Pteropoda Mollusca, Gastropoda, Heterobranchia) from North America. *Zootaxa* 4782 (1): 1–115, 5 figs, 12 pls. <https://doi.org/10.11646/zootaxa.4782.1.1>
- Janssen, A.W. 2020. Notes on the systematics, morphology and biostratigraphy of holoplanktic Mollusca, 27. Comments on a paper discussing Pteropoda (Gastropoda, Heterobranchia) systematics, recently (2019) published in Bollettino Malacologico. *Basteria* 84 (1-3): 65-75.
- Wall-Palmer, D., Janssen, A.W., Goetze, E., Choo, L.Q., Mekkes, L. & Peijnenburg, K.T.C.A. 2020. Fossil-calibrated molecular phylogeny of atlantic heteropods (Gastropoda, Pterotracheoidea). *BMC Evolutionary Biology* 20:124, 1-14.

- Peijnenburg, K.T.C.A., Janssen, A.W., Wall-Palmer, D., Goetze, E., Maas, Todd., J.A. & Marlétaz, F. 2020. The origin and diversification of pteropods precede past perturbations in the Earth's carbon cycle. *Proceedings of the National Academy of Sciences (PNAS)*. www.pnas.org/cgi/doi/10.1073/pnas.1920918117
- Hart, M.B., Wall-Palmer, D., Janssen, A.W. & Smart, C.W. 2020. Some Observations on the Geological History of the holoplanktonic Gastropods. *Proceedings of the Geologists' Association* 131 (2020) 443–449
- Janssen, A.W., Bijl, B. van der, Goud, J., Peijnenburg, K.T.C.A., Pouwer, R., Wall-Palmer, D. & Wesselingh, F.P. 2020. The Naturalis collections of pelagic Gastropoda (Mollusca). *Basteria* 84 (4-6): 215-264, 17 figs.
- Janssen, A.W. 2020. Het Eoceen van Antwerpen. *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 41(4): 81.
- Janssen, A.W. 2021. Errata to Janssen, A.W., Bijl, A.N. van der, Goud, J., Peijnenburg, K.T.C.A., Pouwer, R., Wall-Palmer, D. & Wesselingh, F.P. 2020. The Naturalis collections of pelagic Gastropoda (Mollusca. *Basteria* 85 (1): 106.

In preparation:

- Janssen, A.W., Peijnenburg, K.T.C.A., Voort, J. van der & Spaggiardi, G. in prep. Notes on the systematics, morphology and biostratigraphy of holoplanktic Mollusca, 28. On the real identity of *Telodiacra quadridentata* (Lesueur in de Blainville, 1821) (Mollusca, Gastropoda, Euthecosomata, Cavoliniidae, Diacriinae), with designation of a neotype. *Basteria*.

APPENDIX 2. Eponyms

The preparation of this list was facilitated by a draft by Arie Janssen and by Kronenberg (2021).

- jansseni*, *Melanopsis (Stilospirula)* – H.-J. Anderson 1964. Die miocene Reinbek-Stufe in Nord-und Westdeutschland und ihre Mollusken-Fauna. *Fortschr. Geol. Rheinland und Westfalen*, 16, p. 208, pl. 13, fig. 118. (Miocene, North Sea Basin, Dingden) (Mollusca, Gastropoda)
- jansseni*, *Eulima (Balcis) polita* – F. Nordsieck 1972. *Die miozäne Molluskenfauna von Miste-Winterswijk NL (Hemmoor)*. Stuttgart (Fischer), pp. 66, pl. 16, fig. 68. (Miocene, North Sea Basin, Winterswijk, Miste) (Mollusca, Gastropoda)
- jansseni*, *Trophonopsis* – W. Hinsch 1977. Die Faziesverteilung und Mesofauna im Miozän des Unterelbe-Gebietes. (Das nordwestdeutsche Tertiärbecken, Beitrag Nr. 19). *Geologisches Jahrbuch (A)*40, p. 132, fig. 3. (Miocene, North Sea Basin, NW Germany) (Mollusca, Gastropoda)
- jansseni*, *Menestho* – W. Hinsch 1977. Die Molluskenfauna des Syltium vom Morsum-Kliff. *Schriften der Naturwissenschaftlichen Verein Schleswig-Holstein* 47, p. 55, pl.13-15. (Miocene, North Sea Basin, Sylt) (Mollusca, Gastropoda)
- ariejansseni*, *Cerithiopsis* (s. lat.) – R. Janssen 1978. Die Mollusken des Oberoligozäns (Chattium) im Nordsee-Becken. 1. Scaphopoda, Archaeogastropoda, Mesogastropoda. *Archiv für Molluskenkunde* 109(1-3), p. 169, pl. 12, fig. 45. (Oligocene, North Sea Basin, Glimmerode) (Mollusca, Gastropoda)
- jansseni*, *Turbonilla* – J.J. van Aartsen 1981. European Pyramidellidae: II *Turbonilla*. *Bolletino Malacologico* 17(5-6), p. 76-77, pl. 4 fig. 23. (present-day, Europe) (Mollusca, Gastropoda) [nom nov. pro *Turbonilla acuticostata* (Jeffreys, 1884) non Speyer, 1870] [NOTE: Micali, P. 1988. *Turbonilla jansseni* Van Aartsen, 1981 sinónimo juniore di *Turbonilla postacuticostata* Sacco, 1882. *Notiziario Bollettino del Centro Italiano Studi Malacologici* 11: 26.]
- jansseni*, *Osmerus* – P.A.M. Gaemers & W. Schwarzahns 1982. Fisch-Otolithen aus der Typuslokalität der Obermiozänen Sylt-Stufe (Morsum-Kliff, Insel Sylt, Nordwestdeutschland) *Leidse Geologische Mededelingen*, 52, p. 124, pl. 1, fig. 9a-b, pl. 3, fig. 3a-b. (Miocene, North Sea Basin, Sylt) (Vertebrata, Pisces)
- jansseni*, *Etrumeus* – E. Steurbaut 1982. Les otolithes de téléostéens du gisement de Peyrère à Peyrehorade (couches de passage de l'Oligocène au Miocène d'Aquitaine méridionale, France. *Mededelingen Werkgroep voor Tertiaire en Kwartaire Geologie* 19(2), p. 38, pl. 1, figs. 28-30. (Oligocene, Aquitaine Basin, Peyrehorade) (Vertebrata, Pisces)
- jansseni*, *Cingula* – A. Verduin 1984. On the taxonomy of some recent European marine species of the genus *Cingula* s.l. *Basteria*, 48(1-3), p. 63, figs. 28, 50, 77. (present-day, Selvagens & Canary Islands) (Mollusca, Gastropoda) [now *Setia jansseni* (Verduin)]
- jansseni*, *Gibberula* – J.J. van Aartsen, H. Menkhorst & E. Gittenberger 1984. The marine mollusca of the Bay of Algeciras, Spain, with general notes on Mitrella, Marginellidae and Turridae. *Basteria* supplement 2, p. 40, fig. 198. (present-day, Getares, Spain) (Mollusca, Gastropoda)
- ariejansseni*, *Gliberturricula* – K.I. Schnetler & C. Beyer 1987. A Late Oligocene (Chattian B) mollusc fauna from the clay-pit of Galten Brickworks at Nørre Vissing, Jylland, Denmark. *Mededelingen Werkgroep voor Tertiaire en Kwartaire Geologie* 24(3), p. 216, pl. 2, figs 12-13. (Oligocene, North Sea Basin, Jutland) (Mollusca, Gastropoda)
- Ajanssenium* – D. Kadolsky 1988. Das Kalktertiär des Mainzer Beckens (Oberoligozän bis Untermiozän). Stratigraphie und Molluskenfaunen von Landschneckenkalk und Cerithienschichten im Mainzer Becken (Oberoligozän bis Untermiozän). *Geologisches Jahrbuch A*(110), p. 125. (Oligocene, North Sea Basin, Germany) (Mollusca, Bivalvia) [as subgenus of *Lentidium* de Cristofori & Jan, 1832, now considered a genus]
- ariejansseni*, *Hoplunnis* – D. Nolf 1988. Les otolithes de téléostéens éocènes d'Aquitaine (sud ouest de la France) et leur intérêt stratigraphique. *Mémoire de l'Académie royale de Belgique. Classe des Sciences* 4° 2e série, 19 (2), p. 1–147. (Eocene, France) (Vertebrata, Pisces)
- jansseni*, *Scaliola* – K. Bandel & H.A. El-Nakhal 1993. The history and relationship of *Scaliola*, a gastropod that cements particles

- to its shell. *Mitteilungen Geologisch-Palaeontologisch Institut der Universität Hamburg*, p. 177. (present-day, Indo-West Pacific) (Mollusca, Gastropoda)
- Ariomphalus* – K. Bandel & F. Riedel 1994. The late Cretaceous gastropod fauna from Ajka (Bakony Mountains, Hungary): a revision. *Annalen des Naturhistorischen Museums in Wien*, Serie A. 96: 1-65, pp. 22-23, pl. 14. (Cretaceous, Paratethys, Hungary) (Mollusca, Gastropoda) [Named after Arie Janssen according to Bandel, in email to Arie, although not mentioned in the paper.]
- ariei*, *Periploma* – D. Gürs 1996 in Spiegler, D. & K. Gifts 1996. Der miozäne Glimmerton von Groß Pampau, Schleswig-Holstein (Mollusken, Foraminiferen und Bolboformen). *Meyniana* 48, p. 150, pl. 3, figs. 1-2. (Miocene, North Sea Basin, Gross Pampau) (Mollusca, Bivalvia)
- jansseni*, *Cancellaria (Merica)* – W. Bałuk 1997. Middle Miocene (Badenian) gastropods from Korytnica, Poland; Part III. *Acta Geologica Polonica* 47(1-2), p. 44, pl. 14, fig. 1. (Miocene, Paratethys, Poland) (Mollusca, Gastropoda)
- Ariella* – K. Bandel 1998. Scissurellidae als Modell für die Variationsbreite einer natürlichen Einheit der Schlitzbandschnecken (Mollusca, Archaeogastropoda). *Mitteilungen Geologisch-Paläontologisches Institut der Universität Hamburg* 81, p. 63, pl. 22, figs 1-7. (Oligocene, France) (Mollusca, Gastropoda). [Considered a synonym of *Sinezona* Finlay, 1927 by Geiger.]
- ariejansseni*, *Siphonalia* – K.I. Schnetler 2001. The Selandian (Paleocene) mollusc fauna from Copenhagen, Denmark: the Poul Harder 1920 collection. *Geology of Denmark Survey Bulletin* 37, p. 56, pl. 5, figs. 7-10. (Palaeocene, North Sea Basin, Denmark) (Mollusca, Gastropoda)
- ariejansseni*, *Isocrassina fusca* – R. Marquet 2005. The Neogene Bivalvia (Heterodonta and Anomalodesmata) and Scaphopoda from Kallo and Doel (Oost-Vlaanderen, Belgium). *Palaeontos* 6, p. 32. (Pliocene, Belgium, Doel) (Mollusca, Bivalvia) [misspelled as *ariejanseni*, in the legend of pl. 17, fig. 1]
- ariei*, *Strioterebrum* – G. Wienrich 2005. The genus *Strioterebrum* Sacco, 1891 in the Hemmoorian and Reinbekian (Middle Miocene) of the North Sea Basin. *Cainozoic Research* 5(1-2), p. 6, figs. 1/3, 3/1-2. (Middle Miocene, Kevelaer, 90-95 m below surface, Germany)
- ariejansseni*, *Skenea* – K.I. Schnetler 2005. The Mollusca from the stratotype of the Gram Formation (Late Miocene, Denmark). In: F. Roth & K. Hoedemakers (eds), The Geology and Palaeontology of the Gram Formation (Late Miocene) in Denmark, 1. *Palaeontos* 7, p. 87, pl. 4, fig. 10. (Miocene, Germany, Dingden) (Mollusca, Gastropoda). [Nom. nov. pro *S. minuta* Janssen, 1967 non Jeffreys]
- jansseni*, *Cerithiella* – B.M. Landau, R. La Perna & R. Marquet 2006. The Early Pliocene Gastropoda (Mollusca) of Estepona, southern Spain. Part 6. Triphoroidea, Epitonioidea, Eulimoidea. *Palaeontos* 10, pl. 3, fig. 1. (Pliocene, Spain, Estepona) (Mollusca, Gastropoda)
- ariei*, *Dyris*. – F.P. Wesselingh, 2006. Molluscs from the Miocene Pebas Formation of Peruvian and Colombian Amazonia. *Scripta Geologica* 133, p. 99, figs. 110-112. (late Middle-early Late Miocene, Santa Sofia, Colombia)
- ariei*, *Architectonica* – G. Wienrich & R. Janssen 2007, *Die Fauna des marinen Miozäns von Kevelaer (Niederrhein) Band 4 Gastropoda ab Mitridae*. Backhuys, Leiden, p. 728, pl. 118, figs 1-2, pl. 158, fig. 4, pl. 159, fig. 2. (Miocene, Germany) (Mollusca, Gastropoda)
- ariejansseni*, *Ateleopus* – W. Schwarzhans 2010. *The otoliths from the Miocene of the North Sea Basin*. Backhuys, Leiden & Margraf, Weikersheim, p. 48, pl. 10, figs. 1-2. (Miocene, Winterswijk-Miste) (Vertebrata, Pisces)
- Janssenia* – B.M. Landau, M. Harzhauser, Y. İslamoğlu & C.M. da Silva 2013. Systematics and palaeobiogeography of the gastropods of the middle Miocene (Serravallian) Karaman Basin, Turkey. *Cainozoic Research* 23 (2), pp. 11-13, p. 157. (Miocene, Karaman Basin, Turkey) (Mollusca, Gastropoda)
- ariejansseni*, *Serranus?* – W. Schwarzhans 2014. Otoliths from the middle Miocene (Serravallian) of the Karaman Basin, Turkey. *Cainozoic Research* 14(1), p. 28, pl. 4, fig. 2. (Miocene, Karaman Basin, Turkey) (Vertebrata, Pisces)
- ariejansseni*, *Atlanta* – D. Wall-Palmer, A.K. Burridge & K.T.C.A. Peijnenburg 2016. *Atlanta ariejansseni*, a new species of shelled heteropod from the Southern Subtropical Convergence Zone (Gastropoda, Pterotracheoidea). *Zookeys* 604, p. 13–30. doi: 10.3897/zookeys.604.8976; <http://zookeys.pensoft.net> (present-day) (Mollusca, Gastropoda)
- ariejansseni*, *Crisilla* – F. Van Dingenen, L. Ceulemans & B.M. Landau 2016. The lower Pliocene gastropods of Le Pigeon Blanc (Loire-Atlantique, north west France), 2. Caenogastropoda. *Cainozoic Research* 16(2), p. 1143, pl. 11, fig. 10. (Pliocene, France) (Mollusca, Gastropoda)
- ariejansseni*, *Gregoia* – Fehse 2017. Contributions to the knowledge of the Triviidae, XXIX-M. New Triviidae from the New Caledonia and comments on Dolin's (2001) 'Les Triviidae de l'Indo-Pacifique'. *Visaya* suppl. 8, p. 155, pls. 6-7. (Present-day, New Caledonia) (Mollusca, Gastropoda). [Spelled as *Gregoia arienjansseni* in the introduction]
- jansseni*, *Procardium* – J.J. Ter Poorten & R. La Perna 2017. The West African enigma: Systematics, evolution, and palaeobiogeography of cardiid bivalve *Procardium*. *Acta Paleontologica Polonica* 62(4), pp. 729-757. <https://doi.org/10.4202/app.00363.2017> (Miocene, Winterswijk, Miste) (Mollusca, Bivalvia)
- jansseni*, *Moelleria* – D.F. Hoeksema, A.C. Rijken & G.F. Simons 2020. *Moelleria jansseni* spec. nov. and *Skeneopsoides dejongi* gen. et spec. nov., two skeneimorph marine gastropods with obtuse axial ribs from the Plio-Pleistocene of NW Europe (Vetigastropoda, Trochoidea, Colloniidae, Skeneidae) – *Vita Malacologica* 19, pp. 5-10, figs 1-2. (Tiglian, Normandy) (Mollusca, Gastropoda)
- ariejansseni*, *Eulimella* – B.M. Landau & P. Micali 2021. The early Pliocene Gastropoda (Mollusca) of Estepona, southern Spain, Part 13. Murchisonelloidea and Pyramidelloidea. *Cainozoic Research*, 21(2), p. 201-393, pl. 163 figs 1-4. (Pliocene, Spain, Estepona) (Mollusca, Gastropoda)

APPENDIX 3. Taxa described by A.W. Janssen

For papers with more authors, those that described new taxa are listed before ‘*in*’. Where taxa are named after people, the place is mentioned where they currently live or work, or where they delivered most of their work. For those that are deceased year of birth and death are given.

Janssen, A.W. 1967. Beiträge zur Kenntnis des Miocäns von Dingden und seiner Molluskenfauna. *Geologica et Palaeontologica* 1: 115-173, 8 figs, 14 pls.

<i>Solariella</i> (<i>Solariella</i>) <i>formosa</i>	- from Latin <i>formosus</i> , beautiful
<i>Skenea minuta</i>	- from Latin <i>minutus</i> , small
<i>Daronia</i> (? <i>Cyclostremella</i>) <i>punctata</i>	- from Latin <i>punctum</i> , point
<i>Circulus praecedens gliberti</i>	- after Dr Maxime Glibert (Brussels, Belgium, 1905-1984)
<i>Circulus quadricarinatus</i>	- from Latin <i>quattor</i> , four, and Latin <i>carina</i> , carina
<i>Cingula</i> (<i>Chevallieria</i>) <i>pseudoproxima</i>	- after confusion with <i>Ceratia proxima</i> (Forbes & Hanley, 1850) (Gastropoda, Rissoidae)
<i>Putilla</i> (<i>Ovirissoa</i>) <i>gottscheana westfalica</i>	- after the federal state of Nordrhein-Westfalen (Germany)
<i>Cingula</i> (<i>Ceratia</i>) <i>regiorivi</i>	- after the brook ‘Königsbach’ (Dingden, Germany)
<i>Pseudalvania</i>	- after confusion with <i>Alvania</i> Risso, 1826 (Gastropoda, Rissoidae)
<i>Pseudalvania dingdensis</i>	- after the village of Dingden (Westfalen, Germany)
<i>Teinostoma</i> (<i>Solariorbis</i>) <i>hosiusi</i>	- after Dr August Hosius (Münster, Germany, 1825-1896)
<i>Teinostoma</i> (? <i>Solariorbis</i>) <i>partimstriatum</i>	- from Latin: <i>partim</i> , partly, and Latin: <i>striatus</i> , striated
<i>Gegania miocaenica</i>	- after the Miocene age
<i>Cerithiopsis</i> (<i>Cerithiopsis</i>) <i>vogeli</i>	- after Dr Eduard F. de Vogel (Vlaardingen, The Netherlands, 1942-2021)
<i>Cerithiopsis</i> (<i>Cerithiopsis</i>) <i>vandermarki</i>	- after Ir Dirk van der Mark (Middelburg, The Netherlands, 1921-1980)
<i>Cerithiopsis</i> (<i>Cerithiopsis</i>) <i>andersoni</i>	- after Dr Hans-Joachim Anderson (Germany, 1931-2018)
<i>Cirsotrema</i> (<i>Opaliopsis</i>) <i>turbonillaeformis</i>	- after resemblance with <i>Turbonilla</i> Risso, 1826 (Gastropoda, Pyramidellidae)
<i>Cirsotrema</i> (? <i>Opaliopsis</i>) <i>koeneni</i>	- after Dr Adolf von Koenen (Berlin, Germany, 1837-1915)

Janssen, A.W. 1969. Beiträge zur Kenntnis des Miocäns von Dingden und seiner Molluskenfauna, 2. *Geologica et Palaeontologica* 3: 153-193, 12 figs, 8 pls.

<i>Aclis</i> (<i>Stilbe</i>) <i>neglecta</i>	- from Latin <i>neglectus</i> , neglected
<i>Polinices</i> (<i>Euspira</i>) <i>staringi</i>	- after Winand C.H. Staring (Haarlem, The Netherlands, 1808-1877)
<i>Phalium</i> (<i>Semicassis</i>) <i>bicoronatum belgium</i>	- after Belgium

Janssen, A.W. 1972. Die Mollusken-Fauna der Twistringer Schichten (Miocän) von Norddeutschland. *Scripta Geologica* 10: 1-95, 42 figs, 11 pls.

<i>Idasola lignicola</i>	- from Latin <i>lignum</i> , wood, and Latin <i>colere</i> , inhabit
<i>Axinulus germanicus</i>	- from Latin <i>Germania</i> , Germany
<i>Alvania</i> (<i>Actonia</i>) <i>basisulcata</i>	- from Latin <i>basis</i> , base and Latin <i>sulcus</i> , furrow
<i>Turriscala</i> (s. lat.) <i>straeleni germanica</i>	- from Latin <i>Germania</i> , Germany
<i>Amaea</i> (<i>Undiscala</i>) <i>marialuisae</i>	- after Dr Maria Luise Tembrock (Berlin, East-Germany, 1917-1991)
<i>Euspira edithae</i>	- after Mrs Edith Janssen-Kruit (Alphen aan den Rijn, The Netherlands)
<i>Hinia</i> (<i>Tritonella</i>) <i>twistringensis</i>	- after the city of Twistringen (Germany)
<i>Cancellaria</i> (<i>Merica</i>) <i>contorta gelriana</i>	- from Latin <i>Gelria</i> , the province of Gelderland (The Netherlands)
<i>Narona</i> (<i>Aneurystoma</i>) <i>canaliculata</i>	- from Latin <i>canalis</i> , canal
<i>Mitra</i> (<i>Tiara</i>) <i>bellardii woltrupensis</i>	- after the village of Woltrup (Germany)
<i>Microdrillia teretiaeformis</i>	- after resemblance with <i>Teretia</i> Norman, 1888 (Gastropoda, Raphitomidae)
<i>Aphanitoma ronaldi</i>	- after Ronald Janssen (Frankfurt, Germany)
<i>Aphanitoma fransi</i>	- after Frans J. Janssen (Rotterdam, The Netherlands, 1942-1970)
<i>Conus</i> (<i>Chelyconus</i>) <i>altenai</i>	- after Dr Carel O. van Regteren Altena (Leiden, The Netherlands, 1907-1976)
<i>Eulimella</i> (<i>Eulimella</i>) <i>lutaria</i>	- after Latin <i>lutarius</i> , living in mud
<i>Ebala</i> (<i>Ebala</i>) <i>vandervlerki</i>	- after Prof. Dr Isaäk M. van der Vlerk (Leiden, The Netherlands, 1892-1974)
<i>Spiratella kautskyi</i>	- after Fritz Kautsky (Austria, 1890-1963)

Janssen, A.W. & Slik, L. van der 1974. Bemerkungen zu der Astartiden-Fauna des jüngeren Känozoikums des Nordseebeckens. *Scripta Geologica*, 22: 1-23, 3 figs, 4 pls.

- Astarte (Isocrassina) omalii scaldensis* - after Latin *Scaldis*, Schelde (The Netherlands)
Tridonta (Tridonta) domburgensis - after the city of Domburg (The Netherlands)
Tridonta (Tridonta) zelandica - after the province of Zeeland (The Netherlands)

Janssen, A.W. 1980. A mollusc-fauna with '*Pseudamnicola*' *helicella* (Braun) from the Atuatua Formation (Oligocene) at St. Truiden (Belgium, province of Limburg). *Mededelingen Werkgroep Tertiaire en Kwartaire Geologie* 17(2): 43-55, 1 tab., 2 pls.

- Nystia (Nystia) glibertheinzeli* - after Dr Maxime Glibert (Brussels, Belgium, 1905-1984) & J. de Heinzelin de Braucourt (Brussels, Belgium, 1920-1998)
Gyraulus (G.) acuticarinatus vleminkxae - after Mrs Vleminkx (Boutersem, Belgium)

Janssen, A.W. 1981. *Cyrenorita*, a new genus for *Erycina neglecta* Nyst (Bivalvia, Corbiculidae). *Archiv für Molluskenkunde* 111(4-6): 243-256, 1 tab., 3 figs, 2 pls.

- Cyrenorita* - combination of *Cyrena* and *Villorita*

Janse, A.C. & Janssen, A.W. 1983. The mollusc fauna of the Stermerdink Bed (Miocene, Reinbekian) from outcrops in the Slinge brook at Winterswijk-Brinkheurne (The Netherlands, province of Gelderland). *Mededelingen Werkgroep Tertiaire en Kwartaire Geologie* 20(3): 105-140, 2 tabs, 11 figs, 2 pls.

- Pododesmus (Monia) anitae* - after Mrs Anita Mol-Janse (Brielle, The Netherlands)
Skenia schuermanni - after Mr M. Schürmann (Düsseldorf, Germany)
Rissoella (Jeffreysina) hesselinki - after Mr J. Hesselink (Winterswijk, The Netherlands)
Hinia (H.) cimbrica voorthuyseni - after Dr Johannes Henricus van Voorthuysen (Haarlem, The Netherlands, 1907-1982)
Babylonella sternerdinki - after the Stermerdink farm (Winterswijk, The Netherlands)
Daphnella defectiva - from Latin *defectivus*, incomplete

Janssen, A.W. 1984. An account of the Cancellariidae (Mollusca, Gastropoda) of Winterswijk-Miste (Miocene, Hemmoorian), The Netherlands. *Scripta Geologica* 68: 1-39, 4 figs., 6 pls.

- Sveltia gliberti* - after Dr Maxime Glibert (Brussels, Belgium, 1905-1984)
Misteia - after the village of Miste (The Netherlands)
Trigonostoma (Misteia) mistense - after the village of Miste (The Netherlands)
Trigonostoma (T.) barnardi - after Mr Charles P. Barnard (Leiden, The Netherlands)
Trigonostoma (T.) lindeni - after Mr Jan van der Linden (Leiden, The Netherlands, 1938-2011)
Trigonostoma (Ventrilia) geslini josephinae - after Mrs J.M. Petermann-Huigslot (Leiden, The Netherlands)
Trigonostoma (Ventrilia) pouwi - after Mr W. Pouw (Leiden, The Netherlands)

Cadée, M.C. & Janssen, A.W. 1985. *Glibertturricula verwoeni* gen. et sp. nov. (Mollusca, Gastropoda, Turridae), a common species from Rupelian deposits in Belgium and Poland. *Mededelingen Werkgroep Tertiaire en Kwartaire Geologie* 21(4) (1984): 179-191, 6 figs, 2 pls.

- Glibertturricula* - after Dr Maxime Glibert (Brussels, Belgium, 1905-1984) and *Turricula*
Glibertturricula verwoeni - after Mr. Marcel Verwoen (Aalst, Belgium)

A.W. Janssen in Janssen, A.W. & Müller, P. 1985. Miocene Decapoda and Mollusca from Ramsel (province of Antwerpen, Belgium), with a new crab genus and a new cephalopod species. *Scripta Geologica* 75: 1-26, 4 figs., 5 pls.

- Spirulirostra baetensi* - after Mr P. Baetens (Antwerp, Belgium)

Dijkstra, H.H. & Janssen, A.W. 1988. *Capedopecten anellus* gen. et spec. nov. (Mollusca, Bivalvia) from the Antwerp Sands (Miocene, Hemmoorian) in Belgium. *Basteria* 52: 175-187, 8 figs.

- | | |
|-----------------------------|--|
| <i>Capedopecten</i> | - after Latin <i>capedo</i> , a sacrificing disc |
| <i>Capedopecten anellus</i> | - after Latin <i>anellus</i> , little ring, after 'Kleine Ring', the ring-way around the city of Antwerp (Belgium) |

Janssen, A.W. 1989. Some new pteropod species from the North Sea Basin Cainozoic (Mollusca: Gastropoda, Euthecosomata). *Mededelingen Werkgroep Tertiaire en Kwartaire Geologie* 26(3): 91-133, 5 figs, 8 pls.

- | | |
|-----------------------------|--|
| <i>Limacina ingridae</i> | - after Ms I. Castelijan (Alphen aan den Rijn, The Netherlands) |
| <i>Limacina irisae</i> | - after Ms I.S. de Jong (Alphen aan den Rijn, The Netherlands) |
| <i>Limacina jessyae</i> | - after Ms J. la Faille (Alphen aan den Rijn, The Netherlands) |
| <i>Limacina mariae</i> | - after Ms M.I. van Vliet (Alphen aan den Rijn) |
| <i>Limacina wilhelminae</i> | - after Ms W.M. Meeus (Alphen aan den Rijn, The Netherlands) |
| <i>'Creseis' berthae</i> | - after Ms B.P.H. Mellema (Alphen aan den Rijn, The Netherlands) |
| <i>Clio blinkae</i> | - after Mrs T.D.M. Euverman-Blink, Alphen aan den Rijn, The Netherlands) |
| <i>Clio irenae</i> | - after Mrs I.F.M. Beetsma-Vogels (Alphen aan den Rijn, The Netherlands) |
| <i>Clio jacobae</i> | - after Mrs J.B. Samsom (Boskoop, The Netherlands) |
| <i>Clio pauli</i> | - after Mr P. van Tilburg (Alphen aan den Rijn, The Netherlands) |
- (All of these persons were teaching staff of the Montessori School, Alphen aan den Rijn)

Janssen, A.W. 1990. Pteropoda (Gastropoda, Euthecosomata) from the Australian Cainozoic. *Scripta Geologica* 91(1989): 1-76, 8 tabs, 3 figs, 13 pls.

- | | |
|-----------------------------|--|
| <i>Limacina curryi</i> | - after Mr Dennis Curry (Itchenor, U.K., 1912-2001) |
| <i>Limacina lunata</i> | - from Latin <i>luna</i> , moon., after Half Moon Bay, Australia |
| <i>Limacina tatei</i> | - after Mr Ralph Tate (Australia, 1840-1901) |
| <i>Spoelia</i> | - after Prof. Siebrecht van der Spoel (Amsterdam, The Netherlands) |
| <i>Spoelia torquayensis</i> | - after the city of Torquay (Australia) |
| <i>Vaginella victorae</i> | - after the state of Victoria (Australia) |
| <i>Vaginella sannicola</i> | - after the village of San Nicola Varano (Italy) |

Janssen, A.W. 1990. Pteropod species (Mollusca, Gastropoda, Euthecosomata) from the Late Oligocene of Mogenstrup, Jylland, Denmark. *Contributions Tertiary and Quaternary Geology* 27(2-3): 83-91, 10 figs, 1 pl.

- | | |
|----------------------|--|
| <i>Clio nielseni</i> | - after Mr Mogens Stentoft Nielsen (Odense, Denmark) |
|----------------------|--|

Zorn, I. & Janssen, A.W. 1993. *Vaginella tricuspidata* sp. nov. from the Late Oligocene of Hungary and France. *Contributions Tertiary and Quaternary Geology* 29(3-4): 61-71, 5 pl.

- | | |
|-------------------------------|---|
| <i>Vaginella tricuspidata</i> | - from Latin <i>tres</i> , three, and Latin <i>cuspis</i> , cusp, trident |
|-------------------------------|---|

Cadée, M.C. & Janssen, A.W. 1994. A taxonomic revision of NW European Oligocene and Miocene Fascioliariidae traditionally included in the genus *Streptochetus* (Mollusca, Gastropoda). *Contributions Tertiary and Quaternary Geology* 31(2-4): 31-107, 37 figs., 6 pls.

- | | |
|--|---|
| <i>Fredenia</i> | - after the type locality Freden (Germany) |
| <i>Streptodictyon gottschei</i> f. <i>beetsi</i> | - after Dr Cornelis Beets (Leiden, The Netherlands, 1916-1995) |
| <i>Streptodictyon impiger</i> | - from Latin <i>impiger</i> , vlijt (after claypit De Vlijt, Winterwijk, The Netherlands) |
| <i>Streptodictyon schnetleri</i> | - after Mr Kai Ingemann Schnetler (Langå, Denmark) |
| <i>Fusus dhontae</i> | - after Ms Dr Annie Dhondt (Brussels, Belgium) |
| <i>Streptodictyon twistringensis</i> | - after the town of Twistring (Germany) |
| <i>Streptolathyrus masculinus</i> | - from Latin <i>masculus</i> , male, because of supposed sexual dimorphism |
| <i>Streptolathyrus regularis</i> | - from Latin <i>regularis</i> , regular form |

Janssen, A.W. in Rehfeld, U. & Janssen, A.W. 1995. Development of phosphatized hardgrounds in the Miocene Globigerina Limestone of the Maltese Archipelago, including a description of *Gamopleura melitensis* n. sp. (Gastropoda, Euthecosomata). *Fazies* 33: 91-106, 4 figs., pls 18-21.

Gamopleura melitensis - from Latin *melita*, Malta

Janssen, A.W. 1995. Systematic revision of holoplanktonic Mollusca in the collections of the 'Dipartimento di Scienze della Terra' at Torino, Italy. *Monografie del Museo regionale di Scienze naturali, Torino* 17: 1-233, 3 figs., 14 pls.

Cuvierina jagti - after Dr John W.M. Jagt (Maastricht, The Netherlands)
Ireneia - after Mrs Dr Irene Zorn (Vienna, Austria)
Edithinella - after Mrs Edith Janssen-Kruit (Leiden, The Netherlands) (combination of Edith and *Vaginella*)
Diacrolinia - combination of *Diacria* and *Cavolinia*
Clio giulioi - after Prof. Giulio Pavia (Torino, Italy)
? Diacrolinia elioi - after Prof. Elio Robba (Milano, Italy)
Ireneia marqueti - after Dr Robert Marquet (Antwerp, Belgium)
Ireneia nieulandei - after Mr Freddy A.D. van Nieulande (Nieuw- en St. Joosland, The Netherlands)
Sphaerocinidae Janssen & Maxwell, 1995 - in above-mentioned Janssen (1995); after the genus *Sphaerocina* Jung 1971

Linden, J. van der & Janssen, A.W. 1996. *Philine aquila* sp. nov. from the Miocene of Winterswijk (Miste) (Gastropoda, Opisthobranchia). *Basteria* 59: 97-104, 6 figs.

Philine aquila - from Latin *aquila*, eagle (after resemblance with eagle wing)

Janssen, A.W. 1998. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 2. *Edithinella curva* sp. nov. from the Bockup Sandstone (Miocene, Reinbekian) of Wanzeberg near Ludwigslust (Mecklenburg-Vorpommern, Germany). *Basteria* 62 (5-6): 241-244, 1 fig.

Edithinella curva - from Latin *curvus*, curved

Janssen, A.W. 1999. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 4. A collection of euthecosomatous pteropods from the Miocene of the Karaman Basin, Turkey. *Basteria* 63: 11-15, 4 figs.

Diacrolinia larandaensis - from Latin *Laranda*, the city of Karaman (Turkey)

Janssen, A.W. 1999. Neogene paleontology in the northern Dominican Republic, 20. Holoplanktonic mollusks (Gastropoda: Heteropoda and Thecosomata). *Bulletins of American Paleontology* 358: 5-40, 3 figs., 5 pls.

Striolimacina - combination of Latin *stria*, striated and *Limacina*

Janssen, A.W. 2000. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 7. *Clio lucai* sp. nov. from the northern Italian Plio/Pleistocene, with some notes on the evolutionary lineages of the genus *Clio*. *Basteria* 64 (1-3): 35-45, 9 figs., 2 tabs

Clio lucai - after Mr Luca Bertolaso (Correggio, Italy)

Janssen, A.W. & Zorn, I. 2001. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 10. *Clio (Balantium) collina* sp. nov., for *Clio* sp.? and *Clio lavayssei* non Rutsch, 1934 (Miocene, Italy). *Basteria* 65: 47-50.

Clio (Balantium) collina - from Latin *collis*, hill, after the Colli Torinesi

Janssen, A.W. & Petit, R.E. 2003. *Brocchinia gerdae* sp. n., a new cancellariid gastropod from the Late Langhian (Miocene) of NW Germany. *Cainozoic Research* 2(1-2): 157-162, 8 figs., 1 tab.

Brocchinia gerdae - after Mrs Gerda van der Voort-Schütte (Venne, Germany)

Janssen, A.W. 2003. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 13. Considerations on a subdivision of Thecosomata, with the emphasis on genus group classification of Limacinidae. *Cainozoic Research* 2(1-2): 163-170.

Currylimacina - after Mr Dennis Curry (Itchenor, UK)

Janssen, A.W. 2004. Fossils from the Lower Globigerina Limestone Formation at Wardija, Gozo (Miocene, Aquitanian), with a description of some new pteropod species (Mollusca, Gastropoda). *The Central Mediterranean Naturalist* 4(1) (December 2003): 1-33, 5 figs., 4 pls.

Heliconoides vanderweideni - after Mr Wim van der Weiden (Leiden, The Netherlands)
Bowdenathea miocenica - after the Miocene age
Clio (s.lat.) *ghawdexensis* - after Maltese Ghawdex = the island of Gozo (Malta)
Edithinella bonaviai - after Mr C. Galea Bonavia (Attard, Malta)

Janssen, A.W. 2004. Holoplanktonic molluscan assemblages from the Pliocene of Estepona (Spain, Málaga). *Palaeontos* 5: 103-131, 4 tabs., 4 figs., 4 pls.

Bellardiclio - after Luigi Bellardi (Torino, Italy, 1818-1889) and *Clio* Linnaeus, 1767
Cavolinia landaui - after Dr Bernard M. Landau (Albufeira, Portugal)
Cavolinia vendryesiana f. *pliomediterranea* - after Pliocene and Mediterranean

Janssen, A.W. 2005. Development of Cuvierinidae (Mollusca, Euthecosomata, Cavoliniioidea) during the Cainozoic: a non-cladistic approach with a re-interpretation of recent taxa. *Basteria* 69(1-3) 25-72, 2 tabs, 36 figs.

Cuvierina (*Cuvierina*) *pacifica* - after the Pacific Ocean
Cuvierina (*Urceolaria*) *cancapae* - after the CANCAP expeditions by Naturalis
Cuvierina (*Urceolaria*) *curryi* - after Mr Dennis Curry (Itchenor, UK)
Ireneia gracilis - after Latin *gracilis*, slender
Johnjagtia - after Dr John W.M. Jagt (Maastricht, The Netherlands)
Urceolaria - after the epitheton specificum *urceolaris* (preoccupied by *Urceolaria* Lamarck, 1801 and *Urceolaria* Stein, 1867).
Praecuvierina - after Latin *prae*, before, and *Cuvierina* Boas, 1886
Praecuvierinidae - after the genus *Praecuvierina* A.W. Janssen, 2005 (invalidly introduced: no diagnosis given, validated in 2006).
Texacuvierina - after the federal state of Texas, and *Cuvierina* Boas, 1886

Janssen, A.W. 2005. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 14. A new species of *Vaginella* (Gastropoda, Euthecosomata, Cavoliniidae) from the Late Oligocene of the North Sea Basin and its bearing on Chatian biostratigraphy. *Basteria* 69(1-3): 73-80, 4 tabs, 2 figs.

Vaginella basitruncata - from Latin *basis*, base and *truncare*, to truncate (after the truncated basal part of the shell)

Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 15. Description of *Edithinella doliarius* spec. nov. (Gastropoda, Euthecosomata), from the Miocene (Langhian) of the Maltese archipelago. *Basteria* supplement 3: 45-48, 1 fig.

Edithinella doliarius - from Latin *doliarius*, barrel maker, cooper, after Dr J.G.J. (Hans) Kuiper (Vaucresson, France, 1914-2011)

Janssen, A.W. 2006. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 16. Some additional notes and amendments on Cuvierinidae and on classification of Thecosomata (Mollusca, Euthecosomata). *Basteria* 70(1-3): 67-70.

Urceolarica - nom. nov. pro *Urceolaria* A.W. Janssen, 2005, non Lamarck, 1801.

Janssen, A.W. 2007. Holoplanktonic Mollusca (Gastropoda: Pterotracheoidea, Janthinoidea, Thecosomata and Gymnosomata) from the Pliocene of Pangasinan (Luzon, Philippines). *Scripta Geologica* 135: 29-177, 27 tabs, 8 figs., 25 pls.

Atlanta lingayanensis - after the Lingayan Gulf (Philippines)
Atlanta richteri - after Dr Gotthard Richter (Frankfurt, Germany)
Atlanta seapyi - after Prof. Roger R. Seapy (Fullerton, USA)
Heliconoides sondaari - after Dr Paul Yves Sondaar (Middelburg, The Netherlands, 1934-2003)
Striolimacina andaensis - after Anda, Cabarruyan Island (Philippines)
Hyalocylis marginata - from Latin *margo*, margin, *marginate*, with a margin
Cavolinia baniensis - after the municipality of Bani (Philippines)
Cavolinia perparvula - from Latin *per*, very, and *parvulus*, small
Cavolinia shibatai - after prof. Hiroshi Shibata (Nagoya, Japan)
Diacavolinia pristina - from Latin *pristinus*, former
Diacria italica f. *fissicostata* - from Latin *fissum*, fissure, and *costa*, rib, *fissicostata*, with a divided rib
Diacria microstriata - from Greek *mikros*, small, and Latin *striatus*, striate, *microstriata*, with fine striation
Diacria paeninsula - from Latin *paeninsula*, after the Anda peninsula (Philippines)
Diacria philippinensis - after the Philippines
Sphaerocina convolvula - from Latin *convolvere*, to roll up, Latin *convolvuli*, rolled up

A.W. Janssen in Janssen, A.W., Schnetler, K.I. & Heilmann-Clausen, C. 2007. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 19. Pteropods (Gastropoda, Euthecosomata) from the Eocene Lillebaelt Clay Formation (Denmark, Jylland). *Basteria* 71(4-6): 157-168, 13 figs.

Heliconoides lillebaeltensis - after the Lillebaelt Sound (Denmark)

Janssen, A.W. 2008. *Heliconoides linneensis* sp. nov., a new holoplanktonic gastropod (Mollusca, Thecosomata) from the Late Oligocene of the Aquitaine Basin (France, Landes). *Zoologische Mededelingen Leiden* 82: 69-72, figs. 1-7.

Heliconoides linneensis - after the Société linnéenne de Bordeaux (France)

Janssen, A.W. 2008. What's in a name? That what we call a rose bij [sic] any other name *Afzettingen van de Werkgroep voor Tertiaire en Kwartaire Geologie* 29(1): 3-7

Raphitoma antonjansei Marquet, 1998 - name originally published as *R. (emend.) antonjanseni*, incorrectly 'corrected' by Marquet & Landau (2006) to *R. antonjansseii*, here corrected to *R. antonjansei*.

Janssen, A.W. 2008. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 20. A new pteropod genus and species, *Hameconia edmundi* gen. nov. spec. nov. (Mollusca, Gastropoda, Sphaerocinidae), from the Late Oligocene of SW France. *Basteria* 72: 159-163, 5 figs.

Hameconia - after French 'hameçon', a fishing hook
Hameconia edmundi - after Prof. Dr Edmund Gittenberger (Leiden, The Netherlands)

A.W. Janssen in Cahuzac, B. & Janssen, A.W. 2010. Eocene to Miocene pteropods (Gastropoda, Euthecosomata) from the Aquitaine Basin, SW France. *Scripta Geologica* 141: 1-193, 1 table, 7 figs., 27 pls.

Heliconoides daguini - after Fernand Daguin (disappeared at sea, 1889-1948)
Heliconoides mermuysi - after Mr Stef Mermuys (Bergschenhoek, The Netherlands)
Heliconoides pyrenaica - after the department of Pyrénées-Atlantiques (France)
Heliconoides merlei - after Dr Didier Merle (Paris, France)
Limacina? vegrandis - from Latin *vegrandis* (adj.), insignificant
Creseis antoni - after Mr Anton C. Janse (Brielle, The Netherlands, 1940-2015)
Creseis roesti - after Mr Ben G. Roest (Silvolde, The Netherlands)
Creseis tugurii - after 'Moulin de Cabanes'; Latin *tuguri*, cabin, Latin *tugurii* = from the cabin).
Clio lozoueti - after Dr Pierre Lozouet (MNHN, Paris, France)
Clio vasconiensis - after Gascogne (Latin *Vascones*), a region in France
Diacrolinia cluzaudi - after Mr Alain Cluzaud of Pessac (France)
Vaginella gaasensis - after the type locality Gaas (France)

Janssen, A.W. & Little, C.T.S. 2010. Holoplanktonic Mollusca from the Miocene of Cyprus. *Palaeontology* 53(5): 1111-1145, 7 figs, 7 pls.

Peracle charlotteae - after Charlotte Little, second author's mother

Janssen, A.W. 2010. Pteropods (Mollusca, Euthecosomata) from the Early Eocene of Rotterdam (The Netherlands). *Scripta Geologica* Special Issue 7: 161-175, 17 figs. 2 tabs.

Limacina erasmiana - after Desiderius Erasmus Roterodamus (born Rotterdam, The Netherlands, died in Basel, Switzerland, 1466/1469-1536)
Limacina guersi - after Dr Karl Gürs (Flintbeck, Germany, 1964-2008)

Grebneff, A. (†), Janssen, A.W. & Lee, D.E. 2011. A new euthecosomatous gastropod *Gamopleura maxwelli* sp. n. (Gastropoda: Cavolinioida, Cavoliniidae) from the Late Oligocene of southern New Zealand. *New Zealand Journal of Geology and Geophysics* 54(1): 69-74, 4 figs.

Gamopleura maxwelli - after Philip A. Maxwell (Waimate, New Zealand, 1940-2007)

A.W. Janssen in Janssen, A.W., King, C. & Steurbaut, E. 2011. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 21. Early and middle Eocene (Ypresian-Lutetian) holoplanktonic Mollusca (Gastropoda) from Uzbekistan. *Basteria* 75(4-6): 71-93.

Limacina asiatica - after the continent of Asia
Limacina dzheroiensis - after the type locality, the city of Dzheroi (Uzbekistan)

Janssen, A.W. 2012. Late Quaternary to Recent holoplanktonic Mollusca (Gastropoda) from bottom samples of the eastern Mediterranean Sea: systematics, morphology. *Bollettino Malacologico* 48, supplemento 9: 1-104.

Clio (Clio) pyramidata Linné, 1767 f. *tyrrhenica* - after the Tyrrhenian Sea (Italy)

Janssen, A.W. 2012. Systematics and biostratigraphy of holoplanktonic Mollusca from the Oligo-Miocene of the Maltese Archipelago. *Bollettino del Museo Regionale di Scienze Naturali*, Torino 28(2) (2010): 197-601. 72 figs, 27 Plates.

<i>Protatlanta kbiraensis</i>	- after the type locality Ghajn il Kbira (Malta)
<i>Carinaria maempeli</i>	- after Dr George Zammit Maempel, Hal alzan (Malta)
<i>Heliconoides wardijaensis</i>	- after the type locality Wardija (Gozo, Malta)
<i>Limacina ernstkittli</i>	- after Ernst Anton Leopold Kittl (Vienna, Austria, 1854-1913)
<i>Creseis curta</i>	- Latin <i>curta</i> , mutilated, incomplete, missing a part
<i>Styliola schembriorum</i>	- after Dr Marc Schembri and Prof. Patrick Schembr (Malta)
<i>Johnjagtia baharensis</i>	- after the type locality, Bahar Baghaq (Malta)
<i>Clio merijni</i>	- after Merijn Elert, the author's grandson
<i>Clio vilis</i>	- Latin <i>vilis</i> , cheap, poor, miserable; named after the condition of the holotype
<i>Cavolinia gatti</i>	- after Mr Michael Gatt, of Rabat (Malta)
<i>Cavolinia microbesitas</i>	- Greek <i>μικρός</i> (<i>mikros</i>), small, and Latin <i>obesitas</i> (n), corpulence ('small and with a big belly')
<i>Diacrolinia pumilionis</i>	- from Latin <i>pumilionis</i> , dwarf, midget
<i>Gamopleura pilula</i>	- from Latin <i>pilula</i> , a little ball, globule
<i>Peracle amberae</i>	- after Amber Janssen, the author's granddaughter
<i>Peracle grebneffi</i>	- after Mr Andrew Grebneff, of Otago (New Zealand)
Genus Clionidarum <i>ignotus</i>	- from Latin <i>ignotus</i> (adj.), unknown [Validated in Janssen (2012e) as <i>Clione? ignota</i>]
Genus Clionidarum <i>imdinaensis</i>	- after the city of Mdina, the historical former capital of Malta [Validated in Janssen (2012e) as <i>Clione? imdinaensis</i>]
Genus Clionidarum <i>phosphoritus</i>	- after the phosphoritic nature of the fossil specimens [Validated in Janssen (2012e) as <i>Clione? phosphorita</i>]
Genus Clionidarum <i>tripartitus</i>	- from Latin <i>tri</i> , and Latin <i>partiri</i> , to divide, <i>tripartitus</i> , divided in three [Validated in Janssen (2012e) as <i>Clione? tripartita</i>]
Genus Clionidarum <i>tumidulus</i>	- from Latin <i>tumidus</i> , swollen, <i>tumidulus</i> , somewhat swollen, inflated protoconch [Validated in Janssen (2012e) as <i>Clione? tumidula</i>]

Janssen, A.W. 2012. Early Pliocene heteropods and pteropods (Mollusca, Gastropoda) from Le Puget-sur-Argens (Var), France. *Cainozoic Research* 9(2): 145-187.

<i>Heliconoides vonhachti</i>	- after Hans Joachim von Hacht (Bad Oldesloe, Germany, 1923-1994)
-------------------------------	---

A.W. Janssen in Janssen, A.W., Renema, W. & Wesselingh, F.P. 2013. Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 23. A new pteropod, *Tibiella watupuruensis* spec. nov. (Thecosomata, Creseidae), from Eocene (early Bartonian) rocks of the Nanggulan Formation, Java (Indonesia). *Basteria* 77(1-3) 13-163 figs.

<i>Tibiella watupuruensis</i>	- after the type locality Watupuru (Indonesia)
-------------------------------	--

Janssen, A.W. in Janssen, A.W., Jagt, J.W.M., Yazdi, M., Bahrami, A. & Sadri, S. 2013. Early-middle Eocene faunal assemblages from the Soh area, north-central Iran, 1. Introduction and pteropods (Mollusca, Gastropoda, Thecosomata). *Cainozoic Research* 10(1-2): 23-34.

<i>Altaspiratella tavianii</i>	- after Dr Marco Taviani (Bologna, Italy)
<i>Limacina aryanaensis</i>	- after the Islamic Republic of Iran (The name of Iran is the modern Persian derivative from the Proto-Iranian term Ary'n", meaning 'Land of the Aryans')
<i>Limacina perforata</i>	- after the wide and deep umbilicus
<i>Limacina yazdii</i>	- after Dr Mehdi Yazdi (Isfahan, Iran)
<i>Texacuvierina hodgkinsoni</i>	- after Mr Kenneth A. Hodgkinson (Canada)

Janssen, A.W., Janssen, R. & Voort, J. van der 2015. *Spaniodontella* Andrussow in Goloubiatnikow, 1902- a critical survey of use and validity of the genus, and its relationship to the genus *Alveinus* Conrad, 1865 (Mollusca, Bivalvia: Glossoidea, Kelliellidae). *Cainozoic Research* 15(1-2): 127-146, 10 figs, 2 pls.

Zhgentiana - after Elena Mirianovna Zhgenti (Russia, 1928-xxxx)

Burridge, A.K., Janssen, A.W. & Peijnenburg, K.T.C.A. 2016. Revision of the genus *Cuvierina* Boas, 1886 based on integrative taxonomic data, including the description of a new species from the Pacific Ocean (Gastropoda, Thecosomata). *ZooKeys* 619:1-12.

Cuvierina tsudai - after Prof. Dr Atsushi Tsuda (Tokyo, Japan)

Janssen, A.W. & Sessa, J.A. in Janssen, A.W., Sessa, J.A. & Thomas, E. 2016. Pteropoda (Mollusca, Gastropoda, Thecosomata) from the Paleocene-Eocene Thermal Maximum (United States Atlantic Coastal Plain). *Palaeontologia Electronica* 19.3.47A: 1-26.

Limacina novacaesarea - *Nova Caesarea* is the Latin name for New Jersey (USA).

A.W. Janssen in Cotton, L.J., Janssen, A.W. Pearson, P.N. & Driel, R. van 2017. Pteropoda (Mollusca, Gastropoda, Thecosomata) from the Eocene/Oligocene boundary interval of three cored boreholes in southern coastal Tanzania and their response to the global cooling event. *Palaeontologia Electronica* 20.3.52A: 1-21.

Heliconoides nikkieae - after Nikkie Elert (the author's second granddaughter)

Limacina tanzaniaensis - after the country Tanzania

Limacina timi - after Tim Janssen (the author's second grandson)

A.W. Janssen in Janssen, A.W. & Wilson, B. 2019. Notes on a collection of juvenile holoplanktic Mollusca from the Miocene of Trinidad, with the introduction of the new genus *Chriskingia*. *Cainozoic Research* 19(1): 79-94.

Chriskingia - after Chris King (Bridport, UK, 1943-2015) [junior synonym of *Atlantidea* Pilsbry, 1922 (see Janssen 2019, *Cainozoic Research* 19(2) p. 134)]

Garvie & A.W. Janssen in Garvie, C.L., Goedert, J.L. & Janssen, A.W. 2020. Paleogene and Late Cretaceous Pteropoda Mollusca, Gastropoda, Heterobranchia) from North America. *Zootaxa* 4782 (1): 1–115, 5 figs, 12 pls.

Limacina parvabrazensis - Referring to the occurrences at the Little Brazos River locality (Texas, USA)

Limacina pseudopygmaea - Following the original misassignment to *Limacina pygmaea* (Lamarck, 1805)

Goedert & A.W. Janssen in Garvie, C.L., Goedert, J.L. & Janssen, A.W. 2020. Paleogene and Late Cretaceous Pteropoda Mollusca, Gastropoda, Heterobranchia) from North America. *Zootaxa* 4782 (1): 1–115, 5 figs, 12 pls.

Clio gailae - after Gail H. Goedert (1939-2017)

A.W. Janssen in Janssen, A.W., Bijl, B. van der, Goud, J., Peijnenburg, K.T.C.A., Pouwer, R., Wall-Palmer, D. & Wesselingh, F.P. 2020. The Naturalis collections of pelagic Gastropoda (Mollusca). *Basteria* 84 (4-6): 215-264, 17 figs.

Vaginellinae - after the type genus *Vaginella* Daudin, 1800