

Introduction to this volume

On the occasion of Hans de Bruijn's 70th birthday, 24th May 2001, a conference was organized about what can be considered Hans' major area of interest: the history of mammals during the Neogene of the Eurasian continent. An initial invitation met great enthusiasm and eventually resulted in the participation of more than 80 scientists from 22 countries. The conference was held, in the auditorium of the Institute of Earth Sciences in Utrecht, the university city where Hans was a student, where he did his PhD research, where he worked as member of the faculty until his premature retirement in the early 1990s, and where he still works as an untiring volunteer.

The quantity, the importance, and the impact of the works of Hans de Bruijn are highlighted in the contribution by one of his closest colleagues, Albert van der Meulen, opening this volume.

The editors wish to pay homage to those many friends who contributed to the success of the conference and to the appearance of this volume. The conference itself, held 16-19 May 2001, was organized by Utrecht University's Institute of Earth Sciences, in close collaboration with the Paleontological Department of Athens University (Greece), and the Natural History Museum Rotterdam (the Netherlands). Prof. Johan E. Meulenkamp, Dr Albert J. van der Meulen, Dr Jan A. van Dam, Prof. Constantin S. Doukas, and the present editors constituted the organizing committee. They were ably assisted by Marjolein Boonstra as the conference's secretary. Highly appreciated is the help of Katerina Vasileiadou, Kees Hordijk, Paul van Oudenallen and Wil den Hartog. Indispensable were Carien ter Haar-de Bruijn and Marie-Claire Greve who organized the ice-breaking party and the conference dinner. Hans and Jes de Bruijn invited all the participants at their home in Huizen for a pleasant garden party. The Institute of Earth Sciences, the Royal Dutch Academy of Sciences (KNAW), The Utrecht Micropaleontological Bulletins, Natural History Museum Rotterdam and the De Bruijn family sponsored the conference.

Grecian Magnesite sponsored this volume. We owe great debt to its director, Mr D.G. Portolos, for his generosity. Many colleagues acted as reviewers for the many peer-reviewed papers in this tome: J. Agustí, L. Alcalá, R. Bernor, M. Böhme, F. Borja Sanchiz, J. van der Burgh, E. Cerdeño, J. Chaline, J.A. van Dam, M. Dawson, C.S. Doukas, L. de Bonis, H. de Bruijn, J. de Vos, B. Engesser, V. Fahlbusch, O. Fejfar, L.J. Flynn, M. Fortelius, J.L. Franzen, L. Hably, J. Hartenberger, K. Heissig, L. van den Hoek Ostende, K. Hordijk, M. Hugueney, M. Köhler, W.W. Korth, G. Koufos, W. Kürschner, N. Lopez Martinez, L. Maul, P. Mein, A.J. van der Meulen, Th. Mörs, A. Nadachowski, D. Nagel, P. Pelaez Campomanes, Z. Qiu, J.W.F. Reumer, L. Rook, G. Rössner, S. Sen, G. Storch, A. Tesakov, A. Turner, M. Vianey-Liaud, L. Werdelin, W. Wessels, and R. Ziegler. The assistance of Ms Marjolein Boonstra (typing), Mr Jaap Luteyn (plate design), Mr Jaap van Leeuwen (overall design and lay-out), and Mr Kees Moeliker (final editing and correspondence with the authors) is highly appreciated. Finally, we want to thank the many authors for their willingness to participate in this tribute to Hans and for their patience with the editors.

All contributions in this volume are in alphabetical order according to the first author. There is one exception to this rule: the article by Fortelius *et al.* opens the volume for reason of its colour plates that required inclusion in the first section.

Rotterdam and Utrecht,

Jelle W.F. Reumer & Wilma Wessels (editors)



Almost all participants of the conference. [photo and illustration: Wil den Hartog & Jaap Luteijn]



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The scientific output of Hans de Bruijn

The conference "Distribution and Migration of Tertiary Mammals in Eurasia" of May 2001 was organized on the occasion of the 70th birthday of Hans de Bruijn, in recognition of his contribution to our knowledge of Tertiary small mammal faunas. Hans has been active in mammalian paleontology since 1966 and so he still is today (2003). He belongs to the generation of Pierre Mein, Marguerite Huguency, Volker Fahlbusch, Oldrich Fejfar, and Thijs Freudenthal, who are responsible for the recognition of the importance of small mammal research for correlation of continental sediments in Europe.

The scientific community measures its members on the basis of literature output and offspring in terms of number of Ph.D. theses. Not measurable is the respect of colleagues and students, which a scientist earns in the course of his career. However, I may mention that Hans (at conferences) is treated as 'grand old man' of rodent paleontology in Europe, and that he still receives daily emails from older and younger colleagues seeking his advice.

Hans is a 'down-to-earth' scientist who shuns theoretical questions, which in his opinion get soon too far removed from the data. At the same time, he aims for practical solutions rather than pondering the many possibilities, which indeed often are caused by lack of data. Yet two other characteristics of Hans are his self-reliance and his love of traveling. By far most of his field trips have been undertaken in his own car (a characteristic Ford Transit mini-truck) and together with his wife Jes, whose contribution to mammal paleontology is acknowledged here. The travels were often to unexplored areas, with unknown rodents of unknown age. This naturally led to the main fields Hans worked in: taxonomy, biostratigraphy, and paleobiogeography and migration. This approach resulted in a large output of papers with clearly described material and reliable data (see Appendix and Figure 1) from Europe, Pakistan, Turkey, Lybia, Georgia, and others. In the papers (up till the conference) he and his co-authors had described 122 new taxa, including (sub)families, genera and species, and studied 19 different (sub)families of rodents.

Hans 'doctor-fathered' seven theses – those of Anneke Bosma (1974), Anne van de Weerd (1976), Remmert Daams (1981), Coja Rümke (1985), Engin Ünay (1989), Lars van den Hoek Ostende (1999) and Konstantin Theocharopoulos (1999). Most regrettably, Remmert Daams and Kostaki Theocharopoulos untimely passed away.

Finally, I wish to mention that Hans has been instrumental to the furthering of small mammal research in Spain and Turkey. He contributed personally, and also indirectly when Remmert Daams and Engin Ünay became professors at the Complutense University of Madrid (Spain) and the Cumhuriyet University of Sivas (Turkey), respectively. Last year Hans even initiated a new collaboration with dr Zoran Markovic of the Natural History Museum in Belgrade (Serbia).

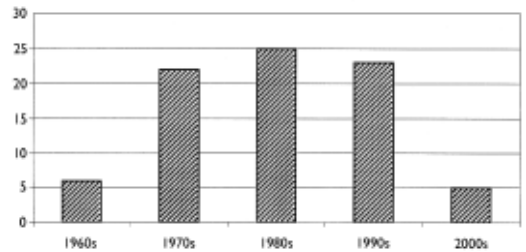


Figure 1 Publications of Hans de Bruijn over five decades (n=81).

Albert J. van der Meulen

Appendix Publications of Hans de Bruijn.

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- Bruijn, H. de, 1966 - On the mammalian fauna of the *Hipparion* beds in the Calatayud-Teruel basin (Prov. Zaragoza, Spain) part II, The Gliridae (Rodentia) - Proceedings Koninklijke Nederlandse Akademie van Wetenschappen B 69 (3): 1-21
- Bruijn, H. de, 1966 - On the Pleistocene Gliridae (Mammalia, Rodentia) from Malta and Mallorca - Proceedings Koninklijke Nederlandse Akademie van Wetenschappen B 69 (1): 480-496
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- Bruijn, H. de & Meurs, A.P.H. van, 1967 - A biometrical study of the third premolar of *Lagopsis* and *Prolagus* (Ochotonidae, Lagomorpha, Mammalia) from the Neogene of the Calatayud-Teruel basin (Prov. Zaragoza, Spain) - Proceedings Koninklijke Nederlandse Akademie van Wetenschappen B 70 (2): 113-143
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- Bruijn, H. de & Moltzer, J.G., 1974 - The rodents from Rubielos de Mora; The first evidence of the existence of different biotopes in the Early Miocene of Eastern Spain - Proceedings Koninklijke Nederlandse Akademie van Wetenschappen B 77 (2): 129-145
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