

## RHINO RESOURCE CENTER

[www.rhinoresourcecenter.com](http://www.rhinoresourcecenter.com)

### NEWSLETTER #76 DECEMBER 2024

Dear colleagues and friends,

This is the 76th issue of the quarterly e-newsletter of the Rhino Resource Center. Edited by Dr Kees Rookmaaker.

The total number of references in the collection of the RRC now stands at **28,915**. This is an increase of 145 items in the last quarter. Over 28,000 references are **available** as PDF on the RRC website.



SUPPORT the RRC

#### THE RRC IMAGE GALLERY

Regular users will know that the RRC has a fantastic Image Gallery with now over 6600 pictures of rhinos. The search engine finds any word in the description, or you can browse by species. Unsurpassed.

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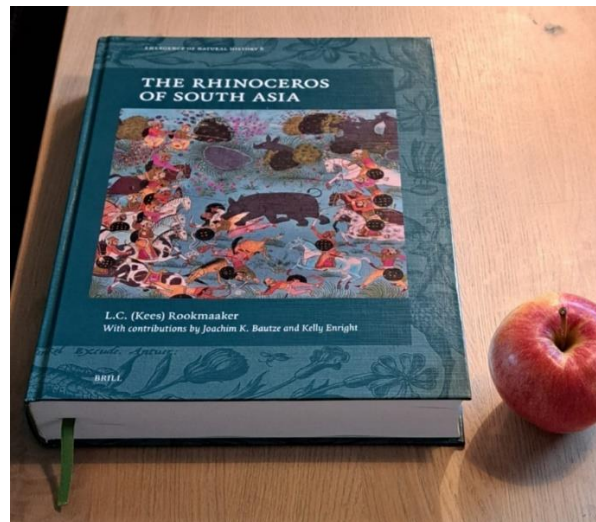
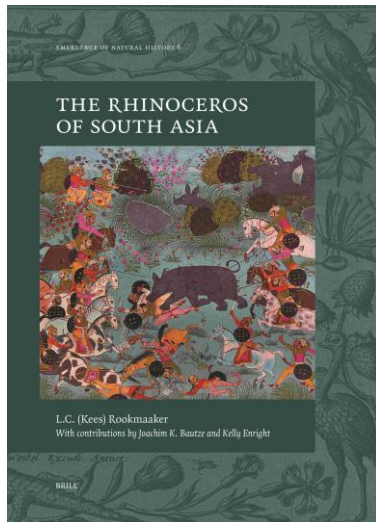
## THE RHINOCEROS OF SOUTH ASIA

by

**KEES ROOKMAAKER**

**(Editor of the Rhino Resource Center)**

**with chapters by Joachim K. Bautze and Kelly Enright**



Go to

<https://brill.com/display/title/64767>

**AVAILABLE TO READ AND BUY**

## THE RHINOCEROS OF SOUTH ASIA

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**KEES ROOKMAAKER**

**(Editor of the Rhino Resource Center)**

**with chapters by Joachim K. Bautze and Kelly Enright**

Rookmaaker, Kees. 2024. *The Rhinoceros of South Asia*. Leiden, Boston: Brill ([Emergence of Natural History](#), vol. 6), pp. i-liv, 1-835.

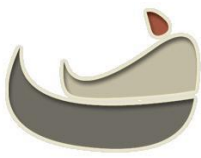
With contributions by Joachim K. Bautze and Kelly Enright.

Total 67 chapters, 889 pages, 707 figures, 38 maps, 75 tables, 82 datasets, bibliography with 3081 items, index.

ISBN: 978-90-04-69154-4. DOI: <https://doi.org/10.1163/9789004691544>.

The hardback is available on 12 June 2024 and can be ordered from Brill.

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**NOW PUBLISHED 24 NOVEMBER 2024**

## **PACHYDERM**

Journal of the African Elephant, the African Rhino, and the Asian Rhino Specialist Groups volume 65

<https://pachydermjournal.org/index.php/pachyderm>

## **Pachyderm**

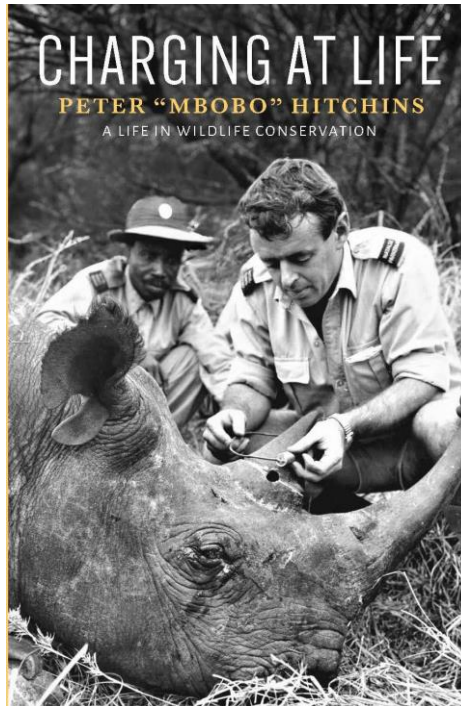


### **PAPERS ON RHINOCEROS**

- Balfour, D.; Makoma, K.; Ferreira, S.M., 2024. African Rhino Specialist Group Chair report / Rapport du Groupe de Spécialistes du Rhinocéros d’Afrique. Pachyderm 65: 20-34.
- Talukdar, B.K., 2024. Asian Rhino Specialist Group Chair report / Rapport du Groupe de Spécialistes du Rhinocéros d’Asie. Pachyderm 65: 35-38.
- Islam, N.; Choudhury, B.; Barman, R.; Devi, J.; Haloi, U.; Das, D.; Kausik, M.; Bhuyan, R.; Bhattacharyya, 2024. Nutritional profiles of some preferred food grasses of the greater one-horned rhinoceros before and after grassland burning in Manas National Park, Assam, India. Pachyderm 65: 94-103.
- Stiles, D., 2024. The political, economic and institutional context of wildlife trafficking networks in Africa and a description of how they operate. Pachyderm 65: 142-159.
- Zhang, G., 2024. Asian rhinoceros species in early China: unravelling Si (Si) and Xi (Xi) in historical Chinese records. Pachyderm 65: 180-187.
- Rookmaaker, L.C.; Monson, J.; Billia, E.M.E., 2024. Early depictions of the first Lisbon rhinoceros in the 16th century. Pachyderm 65: 168-179.
- Patton, F.J., 2024. Has horn length in an Eastern black rhino population (*Diceros bicornis michaeli*) decreased over time? Pachyderm 65: 188-189.
- Vigne, L., 2024. Review: Rookmaaker, The Rhinoceros of South Asia. Pachyderm 65: 193-199.



## THE LIFE OF A RHINO CONSERVATION HERO IN SOUTH AFRICA PETER HITCHINS



Bourquin, Orty; Hitchins, Stella; Walker, Clive. 2024. *Charging at life. Peter "Mboobo" Hitchins, a life in wildlife conservation*. South Africa, Flyleaf Publishing.

**PETER HITCHINS (1940-2019):**

One of the unsung heroes of nature conservation in southern Africa, Peter Hitchins was truly someone who charged at life. From his childhood adventures catching snakes and hunting for birds' eggs in the veld, he developed a passionate interest in and attachment to all forms of wildlife. In the early 1960s, Peter joined the then Natal Parks Board. Working in the Hluhluwe-Imfolozi complex, he soon made a name for himself as an unusually observant field ranger. But it was his innovative work with the black rhinoceros that really singled him out. Conscious of the need for more precise data on rhino populations, Peter pioneered the use of radio telemetry to track rhino movements and numbers.

After leaving the Natal Parks Board, he continued to work in conservation throughout southern Africa, and was instrumental in the establishment of the Rhino and Elephant Foundation (REF) and the Game Rangers' Association of Africa (GRAA). In later life, he embarked on a project to restore the natural environment of Cousine Island in the Seychelles.

Drawing on the detailed field diaries he kept throughout his life, and with contributions from close friends and colleagues, *Charging at Life* presents a picture of a conservationist devoted to protecting wildlife but sometimes at odds with the prevailing orthodoxy.

<https://flyleaf.co.za/product/charging-at-life-a-life-in-wildlife-conservation/>

ISBN: 978-1-990977-88-6 | 233 x 152mm | 272 pages | Nov 2024 | R395 (VAT incl)



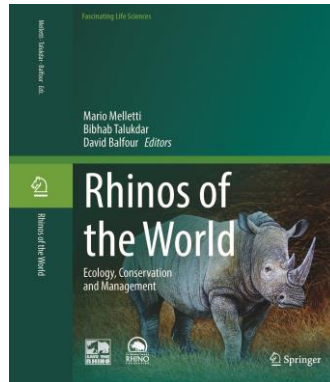
FORTHCOMING

## Rhinos of the World: Ecology, Conservation and Management

Springer Nature

Edited by Mario Melletti, Bibhab Talukdar, David Balfour

<https://link.springer.com/book/9783031671685>



- Chapter 1. Phylogeny and Systematics of Extant Rhinoceros. (Yoshan Moodley, Jan Robovský)
- Chapter 2. Evolution and fossil record of Old World Rhinocerotidae (Pierre-Olivier Antoine, Damien Becker, Luca Pandolfi, Denis Geraads)
- Chapter 3. Southern White Rhino *Ceratotherium simum* (Burchell, 1817) and Northern White Rhino *Ceratotherium simum cottoni* (Lydekker, 1908). (Adrian M. Shrader, Richard Emslie, Kes Hillman-Smith, Petra Kretzschmar, Courtney Marnebeck, Mario Melletti, Norman Owen-Smith, Kees Rookmaaker, Kerry Slater)
- Chapter 4. Black Rhino *Diceros bicornis* (Linnaeus, 1758). (Adrian M. Shrader, Keryn Adcock, Rob Brett, Charles Dewhurst, Vanessa Duthé, Richard Kock, Marietjie Landman, Peter R. Law, Roan D. Plotz, Jo A. Shaw)
- Chapter 5. Greater One-horned Rhinoceros (*Rhinoceros unicornis*). (Bibhab Kumar Talukdar, Deba Kumar Dutta, Kanchan Thapa, Anwaruddin Choudhury)
- Chapter 6. Javan rhinoceros *Rhinoceros sondaicus* (Desmarest, 1822).. (Steve Wilson, Kees Rookmaaker, Adhi Rachmat Hariyadi, Inov Sectionov, David M. Leslie, Jr., Barney Long, Sunarto Sunarto, Mahmat Rahmat and Rois Mahmud)
- Chapter 7. Sumatran rhinoceros *Dicerorhinus sumatrensis* (G. Fischer, 1814). (Francesco Nardelli, Ellen Dierenfeld, Rasmus Worsøe Havmøller, Nan Schaffer, Terri Roth)
- Chapter 8. Significant developments and major trends in rhino conservation in Africa. (Peter S. Goodman, Dave Balfour, Dave Cooper, Richard H. Emslie, Keryn Adcock)
- Chapter 9. White rhino: contrasting conservation outcomes of two subspecies. (Dave Balfour, Kes Hillman-Smith, Herbert H. T. Prins, Thomas B. Hildebrandt, Jan Stejskal, Susanne Holtze, Kees Rookmaaker, Sam M. Ferreira)
- Chapter 10. Black rhinoceros: contrasting conservation actions and outcomes across the continent. (Shaw, J. A., Adcock, K., Amin, R., Anderson, N., Banasiak, N., Beytell, P., Brett, R., du Toit, R., Emslie, R.H., Flamand, J., Kariuki, L., Khayale, C., Muntifering, J.R., Okita-Ouma, B.
- Chapter 11. The recovery of greater one-horned rhinoceros in India and Nepal. (Bibhab Kumar Talukdar, Shant Raj Jnawal, Bishen Singh Bonal, Anindya Swargowari, Amit Sharma, Deba Kumar Dutta, Naresh Subedi and Ganesh Pant)
- Chapter 12. The Sumatran rhinoceros: What went wrong and how to move forward. (John Payne, Karen K. Dixon, Sukianto Lusli, Zainal Zahari Zainuddin, Mochamad Indrawan, K. Yoganand, Kees Rookmaaker, Nan E. Schaffer, Ahmad Zafir Abdul Wahab, Petra Kretzschmar, Rasmus Worsøe Havmøller and Muhammad Agil)
- Chapter 13. Conservation of the Javan Rhinoceros, lessons from Indonesia and Vietnam. (Barney Long, Indra Exploitasia, Rois Mahmud, Kurnia O. Khairani, Inov Sectionov, Asep Y. Firdaus, Desy S. Chandradewi, Drajat D. Hartono, Haerudin R. Sadjudin, Yusep Hardiana, Sarah M. Brook, and Steven G. Wilson)
- Chapter 14. Ex situ Conservation and Management of Rhinoceros. (Friederike von Houwald, Gina M. Ferrie, Susie Ellis, Nan Schaffer, Mark Pilgrim, Lars Versteeg, Adam Eyre)
- Chapter 15. The impact of poaching on rhino conservation. (Michael 't Sas-Rolfes, Julian Rademeyer, Lucy Vigne, Richard Emslie, Michael Knight, Jamie Gaymer, Bibhab Talukdar)
- Chapter 16. The Impact of Rhino Horn Trafficking on Conservation. (Lucy Vigne, Mike 't Sas Rolfes, Tom Milliken, Julian Rademeyer, Bibhab Talukdar).





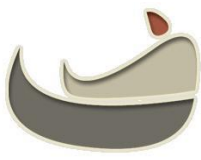
## ABSTRACTS OF RECENT PAPERS BY KEES ROOKMAAKER

Rookmaaker, L.C.; Monson, J.; Billia, E.M.E., 2024. Early depictions of the first Lisbon rhinoceros in the 16th century. *Pachyderm* 65: 168-179. [PDF here](#)

The first post-Roman rhinoceros to be seen alive in Europe reached the harbour of Lisbon, Portugal on 20 May 1515. After a fight with an elephant staged on 3 June 1515, King Dom Manuel I 'the Fortunate' decided to gift it to Pope Leo X in Rome. The animal drowned when the ship perished in a storm off La Spezia in northern Italy at the end of January 1516. Information and a sketch reached the German city of Nuremberg, where Albrecht Dürer proceeded to make a drawing with text dated 1515, followed by a woodcut of the Lisbon Rhinoceros. Dürer's works show a characteristic twisted horn in the shoulder region, found in all later copies, which became the standard representation of the rhinoceros from 1545 in books and artworks. During the first part of the 16th century, until about 1560, there were at least 16 works showing a rhinoceros without this Dürer-hornlet. These would have been sketches of the living animal during its short life in Europe, or possibly been derived from such portrayals. Five such works have remained largely unknown, and are here described, discussed and illustrated. First, there is a set of similar engravings found in three separate *Cartinhas* (booklets) produced in Portugal between 1534-1544 by the printer Germão Galharde, where the animal is uniquely named "Rhinocerom", here noticed in zoological context for the first time. Second, two similar figures of a rhinoceros on the cover of a pamphlet by the Italian author Giovanni Giacomo Penni and in the background of a large painting by Francesco Granacci of 1515-1516 might both be based on a coloured unsigned sketch found in a volume of manuscripts in the Library of the Vatican (Vat.lat. 2847). Third, the *Historia Senensium* by Sigismundo Tizio contains a sketch of a rhinoceros in shackles in an entry for 1515. Fourth, a rhinoceros is found among marginal drawings and manuscript annotations added to a volume of Pliny's Natural History. Finally, a book on Quadrupeds published by Michael Herr in 1546 has an independent illustration of a rhinoceros without hornlet on the shoulders, copied in books by Hubert de L'Espine of 1558 and Barthélemy Aneau of 1559. All examples are illustrated for future comparison.

Grouw, H.van; Dekkers, W.; Rookmaaker, L.C., 2024. Third time lucky for Forsten's pigeon; *taeniura*, *forsterii*, *forsteni*. *Bulletin of the British Ornithologists' Club* 144 (1): 29-38, figs. 1-4 - [doi.org/10.25226/bboc.v144i1.2024.a4](https://doi.org/10.25226/bboc.v144i1.2024.a4) [PDF here](#)

Temminck's major work on pigeons became famous partly because of the complementary plates by Knip, even though Knip had used subterfuge to make the published work appear to be hers. It was generally assumed that this permanently ended their partnership as the evidence for renewed cooperation between the two, present in Knip's second pigeon book, was widely overlooked. A rediscovered letter from Temminck to Knip confirms the renewed partnership, with Temminck supplying specimens of new species of pigeon to be included in Knip's work. One of these was a *Ducula* from Sulawesi, collected by the Dutch naturalist Forsten. Due to a spelling mistake, this species initially did not receive the name intended by Temminck. Although the error was subsequently corrected by Bonaparte, his action is invalid in the eyes of the International code for zoological nomenclature. Another article in the Code, however, dealing with a different matter, is applicable and rules that the 'amended' name is valid after all.



## Abstracts

Wilson, Oscar E.; Pashkevich, M.D.; Rookmaaker, K.; Turner, E.C., 2024. Response to 'Risky conclusions regarding shrinking rhino horns': Clarification on a statistically determined reduction of relative horn length in five species of rhinoceros since 1885. *People and Nature* 6 (3): 1019-1022 - DOI: 10.1002/pan3.10584 [PDF here](#)

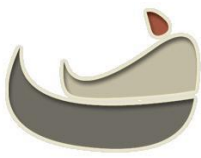
Rookmaaker, L.C., 2024. The discovery and naming of the Sumatran Rhinoceros (*Dicerorhinus sumatrensis*) after 1793, with details of the Rhinoceros Sumatricus of Bertuch (1805) and Wilhelm (1808). *Evolutionary Systematics* 8 (2): 155-165.

- <https://doi.org/10.3897/evolsyst.8.127773>. [PDF here](#)

There was a considerable gap of 21 years between the illustrated description of a specimen of the Sumatran Rhinoceros (*Dicerorhinus sumatrensis*) by William Bell in 1793 and the proposal to accept it as a named new species by Gotthelf Fischer in 1814. In the meantime some 16 authors reported the possibility that the animal should be regarded as a new species. Hitherto overlooked, the German writer Friedrich Justin Bertuch used a new name in the caption to a reproduction of Bell's plate, as *Rhinoceros bicornis Sumatricus*. This was published in 1805 in a second edition of his *Bilderbuch für Kinder*, a serial magazine aimed at young people. This work has an extremely complex bibliography through many re-issues and translations, which is only partly resolved. The same name in the combination *Rhinoceros Sumatricus* was included by Gottlieb Tobias Wilhelm in a companion to the *Bilderbuch* available in 1808. The complicated circumstances of Bertuch's proposal in 1805 and his unusual usage of a trinomen lead to the suggestion that his book might not be consistently binominal, making the name unavailable. The naming by Wilhelm in 1808 is straightforward and correct, hence *Rhinoceros sumatricus* Wilhelm, 1808 is an available name and a senior objective synonym of *Rhinoceros sumatrensis* G. Fischer, 1814. The International Code of Zoological Nomenclature allows the suggestion that Wilhelm's name was a *nomen oblitum* (forgotten name). The various plates of the rhinoceros found in the *Bilderbuch* by Bertuch and the *Unterhaltungen aus der Naturgeschichte* are figured and explained.

Rookmaaker, L.C.; Wyhe, J.van, 2024. Shared experiences of Alfred Russel Wallace and Hermann von Rosenberg in exploring the ornithology of New Guinea and the Aru Islands in 1858–1860. *Ardea* 112 (2): 323-330, figs. 1-3, drawing by Jos Zwartz, and supplementary Table S1 (5 pp.). [PDF here](#)

Alfred Russel Wallace (1823-1913) and Carl Benjamin Hermann, Baron von Rosenberg (1817-1888) were naturalists with similar goals in their exploration of the Malay Archipelago. They first met in May 1858 on the coast of Dorey, the north-western part of New Guinea. Together they discovered two birds new to science, the Dusky Lory, *Pseudeos fuscata* (Blyth, 1858) and the Fairy Lorikeet, *Charmosynopsis pulchella* (G.R. Gray, 1859). Wallace did not propose new names himself, while the *Chalcopsitta leucopygialis* Rosenberg, 1859 (*nomen nudum*) and *Charmosyna pectoralis* Rosenberg, 1862 lost their priority. When Rosenberg was working out the distribution of various birds in the archipelago in 1862, he had not yet had a chance to visit the Aru Islands. His list of 86 Aru species was contributed by Wallace, and this is here compared with Wallace's own unpublished notebook entries and the identifications by George Robert Gray (1808-1872) in 1858 largely based on Wallace's specimens bought by the British Museum.



## TOWARDS A NEW RRC WEBSITE

The current website of the Rhino Resource Center was initiated in 2006. Our webmaster Willem van Strien has dedicated many hours and days of painstaking labour, first to design the entire site from scratch, later to address the small problems which occur from time to time. Due to increasing commitments of work and family, Willem reluctantly decided to hand over his voluntary efforts. The RRC website needs to be updated in line with the newest technology. We hope to complete this task in the next six months. We must express, once again, our enormous gratitude to our sponsors who did not hesitate to help again: SOS Rhino, Save the Rhino International Inc. and International Rhino Foundation.

## OUR SPONSORS

The board and staff of the Rhino Resource Center gratefully acknowledge the support of our main sponsors:



SOS RHINO



SAVE THE RHINO



INTERNATIONAL RHINO FOUNDATION

We are grateful to all individuals who show their appreciation by their donation.  
Thank you very much.

*The Rhino Resource Center is a registered charity.  
We need your assistance to provide our service to all rhino lovers worldwide.*





## CONTENTS OF THE RHINO RESOURCE CENTER

The development of the Rhino Resource Center is shown in the table here.

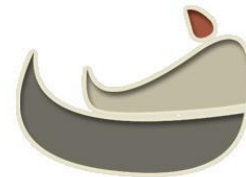
RRC	2023 Dec	2024 March	2024 June	2024 Sept	2024 Dec	ANNUAL INCREASE
References	28,275	28,350	28,670	28,770	28,915	+ 640
Images	6,657	6,675	6,800	6,840	6,887	+ 230

Many thanks to everybody who has helped us by sending copies of books and papers, information, data, news, pictures, photographs – all shared across the globe.

## DONATIONS TO THE RRC

It is really very easy. No problem to the audience of the RRC. To show appreciation of our work and to make future contents even better, a small donation goes a long way. Visits to libraries are no longer necessary, just think of the expensive time gained and research results improved. The button leads to a page with instructions.

[DONATE HERE](#)



The Rhino Resource Center is an essential tool for

- 👉 Information and image supply to media
- 👉 Academic research in biology, conservation studies, art history
- 👉 Education in primary, secondary and tertiary levels
- 👉 Conservation of rhinos both *in-situ* and *ex-situ*
- 👉 Latest information supply of all rhino-related projects
- 👉 Information on all the latest conservation efforts
- 👉 All the historical and most current literature.

### YES, YOU CAN HELP:

- 👉 Authors of books, papers and reports can send us a copy after publication.
- 👉 We are always looking for images of all rhinos in books and in the wild
- 👉 We aim to include a picture of every rhino ever kept in captivity
- 👉 Contribute a message to our blog and get into contact with others
- 👉 Place a link on your website to the RRC which will be reciprocated
- 👉 Give us a DONATION when you feel the RRC has helped your work.



## NEW LITERATURE (finalized 30 November 2024)

In this quarter (September to November 2024), we have added 145 new references, to bring the total number of items in the database to **28,915**.

Below I have listed all new entries since 2000 in four categories: General (all species), African rhinos, Asian rhinos and Fossil rhinos.

**Most additions are available on the website.  
Search for them on the RRC, it's easy.**

Always check the [RRC website](#) first, many papers are available there.

### EDITOR'S NEW PUBLICATIONS

Rookmaaker, Kees (L.C.), 2024. *The Rhinoceros of South Asia*. Leiden, Boston: Brill (Emergence of Natural History, vol. 6), pp. i-liv, 1-835, with 707 figures, 38 maps, 75 tables, 82 datasets, bibliography with 3081 items (DOI: [doi.org/10.1163/9789004691544](https://doi.org/10.1163/9789004691544)).

Rookmaaker, L.C., 2024. The historical range of the Greater One-Horned Rhinoceros *Rhinoceros unicornis* in South Asia. In: Rookmaaker, K., *The Rhinoceros of South Asia*. Leiden, Boston: Brill (Emergence of Natural History, vol. 6), 713-718 - doi:10.1163/9789004691544\_066.

Rookmaaker, L.C., 2024. The historical range of the Javan Rhinoceros *Rhinoceros sondaicus* in South Asia. In: Rookmaaker, K., *The Rhinoceros of South Asia*. Leiden, Boston: Brill (Emergence of Natural History, vol. 6), 719-722 - doi:10.1163/9789004691544\_067.

Rookmaaker, L.C., 2024. The historical range of the Sumatran Rhinoceros *Dicerorhinus sumatrensis* in South Asia. In: Rookmaaker, K., *The Rhinoceros of South Asia*. Leiden, Boston: Brill (Emergence of Natural History, vol. 6), 722-725 - doi:10.1163/9789004691544\_068.

Rookmaaker, L.C., 2024. The discovery and naming of the Sumatran Rhinoceros (*Dicerorhinus sumatrensis*) after 1793, with details of the Rhinoceros *Sumatricus* of Bertuch (1805) and Wilhelm (1808). *Evolutionary Systematics* 8 (2): 155-165.  
- <https://doi.org/10.3897/evolsyst.8.127773>.

Rookmaaker, L.C.; Monson, J.; Billia, E.M.E., 2024. Early depictions of the first Lisbon rhinoceros in the 16th century. *Pachyderm* 65: 168-179.

Rookmaaker, L.C.; Wyhe, J.van, 2024. Shared experiences of Alfred Russel Wallace and Hermann von Rosenberg in exploring the ornithology of New Guinea and the Aru Islands in 1858–1860. *Ardea* 112 (2): 323-330, figs. 1-3, drawing by Jos Zwarts, and supplementary Table S1 (5 pp.).

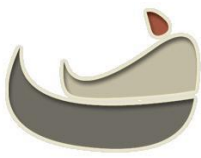
#### New Reviews:

Adams, J., 2024. Review: *The Rhinoceros of South Asia* by Kees Rookmaaker. *Newsletter of the Bartlett Society* no. 178: 17.

Robin des Bois, 2024. Notice of "The Rhinoceros of South Asia" by Kees Rookmaaker. *On the Trail* (Information and analysis bulletin on animal poaching and smuggling) no.41: 34.

Vigne, L., 2024. Review: Rookmaaker, *The Rhinoceros of South Asia*. *Pachyderm* 65: 193-199.





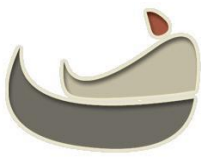
## NEW GENERAL PUBLICATIONS

- Elias, Hajni, 2024. The social life of a Tang silver dish. In: Granger, K.; Galambos, I., *Saved from desert sands: re-discovering objects on the Silk Roads*. Leiden, Brill, pp. 104-129 - <https://brill.com/display/book/9789004706880/BP000015.xml>.
- Etienne, C. et al., 2024. How compactness affects long bone resistance to compression - an investigation into the rhinoceros humerus. *Journal of Anatomy* 2024 early view: [doi.org/10.1111/joa.14141](https://doi.org/10.1111/joa.14141).
- Guertler, W.D., 2021. Wer war das - oder: von wem hat dieses Viech seinen Namen? Teil VII. *Bulette: Mitteilungen aus der Tiergartenbiologie* 9: 66-119.
- Ingram, I., 2024. A Rhino Alliance. *Journal (San Diego Zoo Wildlife Alliance)* 4 (6) Nov-Dec: 8-9, 4 images.
- International Rhino Foundation, 2023. International Rhino Foundation 2023 Impact Report. Strasburg, VA., pp. 1-22 updated Jun 2024.
- International Rhino Foundation, 2024. State of the Rhino Report (for 2024). Washington, IRF, pp. 1-17.
- International Rhino Keeper Association, 2024. Various notes. *The Crash*, Fall (September) 2024: 1-12.



CHINESE DISH – SEE ELIAS 2024

- Kawata, K., 2024. Animal and people potpourri: cogitations from a zoo dinosaur. *Zoo Grapevine and International Zoo News Summer 2024*: 33-36.
- Kawata, K., 2024. Mammals, birds and humans: a tale of zoos. *Journal of the Bartlett Society* 32: 39-54.
- Mallet, C.; Houssaye, A., 2024. Deciphering the influence of evolutionary legacy and functional constraints on the patella: an example in modern rhinoceroses amongst perissodactyls. *PeerJ* 12 (e18067): 1-33 - DOI: 10.7717/peerj.18067.
- Robin des Bois, 2024. Notes on rhinoceros poaching. *On the Trail* (Information and analysis bulletin on animal poaching and smuggling) no.42: 26-27.
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Thanks to Australian branch of family

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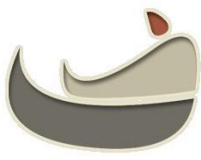
There are two white rhinos at Fundação Zoobotânica do Rio Grande do Sul, between the cities of São Leopoldo and Sapucaia do Sul: (1.0) Congo/Nino and (0.1) Garamba/Nena. Courtesy Enzo Lopes, 2024.



Black female rhino Sally was captured by H.R. Stanton in Kenya, and arrived in San Diego on August 30th, 1952. (Zoonooz, 1952). Courtesy Dan Ziegler.

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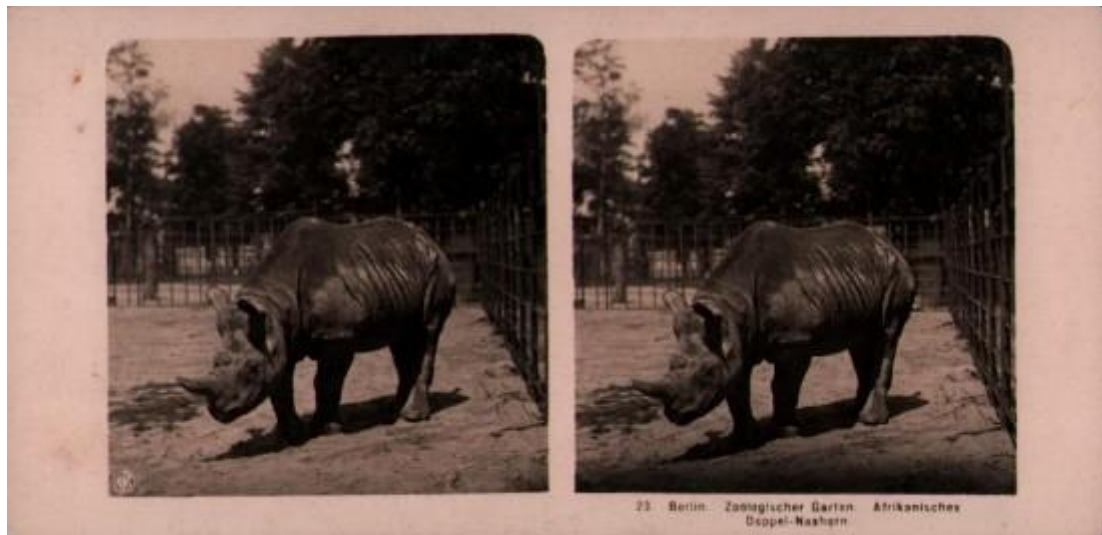






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Stereoscopic image of a black rhino in Berlin Zoo. Text on right: "23. Berlin. Zoologischer Garten. Afrikanisches Doppel-Nashorn." There is no text on the reverse. Undated. This may show the male 'Mtoto' from Tanzania, in the Berlin Zoo 1928-1943. RRC Collection

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Sumatran rhinoceros in a Miniature Zoo in Singapore, 1950s-1960s, on Pasir Panjang. The zoo was owned by Tong Seng Mun.

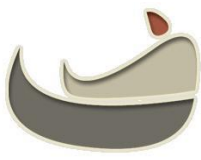




Greater one-horned rhinos: Young female Mohinja from Whipsnade (L) and young male Rudra from Basel (R) arrived in Milwaukee on July 20<sup>th</sup> 1959. This photo taken on July 27<sup>th</sup> shows the pair getting acquainted.

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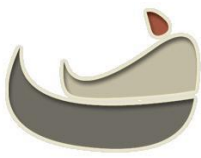
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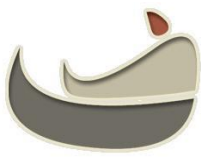
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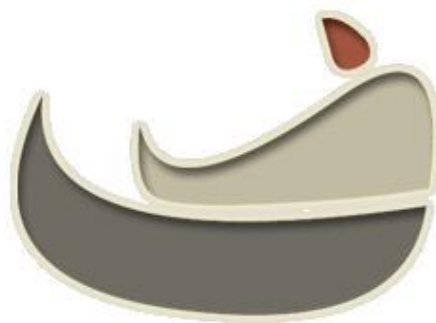
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