

RHINO RESOURCE CENTER

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NEWSLETTER #57 DECEMBER 2019

Dear colleagues and friends,

This is the 57th 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 **24,230**. This is an increase of 630 items in the last quarter. Over 24,100 references are **available** as PDF on the RRC website.



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IN THIS ISSUE:

Last rhinoceros of Malaysia	p.2
Sumatran rhinos in managed facilities	p.2
Why the white rhino is called white	p.3
Anna & Samia	p.3
Way Kambas in Sumatra – since 1937	p.4
Increasing the contents of the RRC	p.4
Pachyderm 60 now available	p.5
Our sponsors	p.6
Contents of the RRC website	p.7
New Literature	
General	p. 8
Asian	p. 18
African	p. 10
Fossil	p. 25
Contact Information	p. 27

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THE LAST RHINOCEROS OF MALAYSIA – NOW GONE

What a sad day.

The last rhinoceros (*Dicerorhinus sumatrensis*) in Malaysian Sabah on the island of Borneo passed away on Friday 23 November 2019. After her capture on 10 March 2014 in the Danum valley, she has been protected in a facility in Tabin by the Borneo Rhino Alliance and Sabah Wildlife Department. She suffered from uterine cancerous tumors, and died after a long illness at an age of about 25 years.

Iman was the last rhinoceros alive in Malaysia. The last male (Tam) died of old age on 27 May 2019.

The species is globally on the path to extinction. Action must not be delayed. It is time for the world to show that we care about our world, about our environment, about animals in forests which continue to be threatened. It is almost too late ...

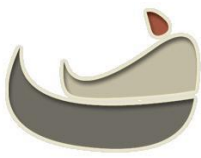
Kees Rookmaaker, 29 November 2019



Sumatran Rhinoceros in managed facilities, November 2019 – [click here](#)

<i>SB</i>	<i>Arrival</i>	<i>Sex</i>	<i>Name</i>	<i>Facilities</i>
32	1991-05-17	F	Bina	Bogor Safari - Way Kambas
42	2001-09-13	M	Andalas	Cincinnati - Los Angeles - Way Kambas
46	2005-09-20	F	Ratu	Way Kambas
45	2005-09-30	F	Rosa	Way Kambas
44	2007-04-29	M	Harapan	Cincinnati-Yulee-Los Angeles- Way Kambas
50	2012-06-23	M	Andatu	Way Kambas
58	2016-05-12	F	Delilah	Way Kambas
	2018-11-25	F	Pahu	Kelian (Kalimantan)

(SB = Studbook number)



¿ WHY THE WHITE RHINOCEROS IS CALLED WHITE

The African species of rhinoceros known officially as *Ceratotherium simum* (Burchell, 1817) is now usually called ‘white rhinoceros’. It has become common in all popular literature, children’s books, zoo tours, social media, to explain this rather odd name. White would be derived from the word ‘wide’ in Afrikaans. Etymologically and historically this makes little sense. But a better explanation has remained elusive.

I suggest that these colonists decided to call the animal ‘white’ because they did not know better, having never seen even a picture of it. I further suggest that they borrowed the name from Barrow, who in his easily accessible *Account of Travels* (1801) mentions that the ‘white rhinoceros’ was hunted beyond the colonial borders.

Read it in more detail [here](#).

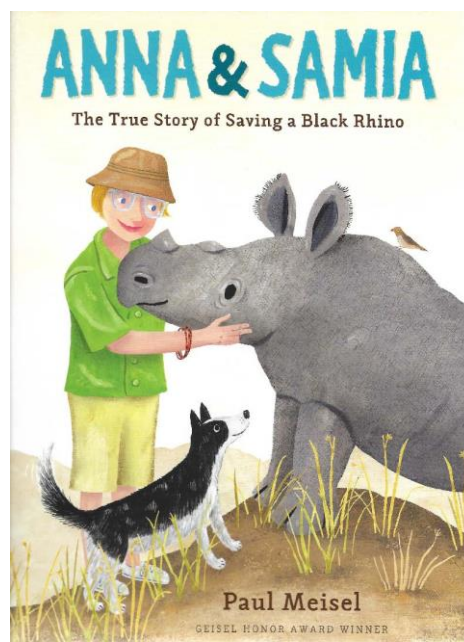
ANNA & SAMIA

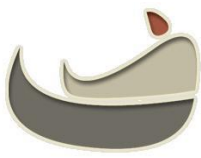
Anna Merz (1931-2013) was a true fighter for rhino conservation.

Her greatest achievement was the development of Lewa Conservancy in Kenya. Here she raised and cared for Samia, a black rhinoceros rescued after her mother died.

It will always be a moving story of dedication and passion and love. It has now been told again for a young audience.

Anna used to be the neighbour of Sandy and myself in Melkrivier.





WAY KAMBAS IN SOUTH SUMATRA – PROTECTED SINCE 1937

The Way Kambas National Park was declared a protected area on 26 January 1937. This followed a proposal by the Dutch “Resident” (Governor) Henderik Roelof Rookmaaker (1887-1945), who had surveyed the area and submitted a detailed proposal. A newspaper, *Nieuws van den Dag voor Nederlandsch-Indië*, on Wednesday 9 June 1937 reported as follows:

Much progress has been made recently in the protection of the flora and fauna of Sumatra. For a large part this success can be attributed to the actions of the higher authorities, who have learned to appreciate Indian nature. Among them is the Resident of the Lampong Districts, Mr H.R. Rookmaaker, through whose proposal again an important game reserve has been announced. The new reserve called ‘Wai Kambas’ is now official.

The ‘Way Kambas’ reserve is in the subsection Soekadana of the Lampong Districts. It is a swampy area, but there are a few higher parts. The soil is infertile, which means that no commercial interests are hurt. As this area is inhospitable and difficult to reach, the game should have a quiet existence. There are hardly any people in the region. There are a few abandoned villages, of which the inhabitants left to places where there is chance for agricultural jobs. On the northern border of the reserve there is a small village with 111 people living in homes on stilts. Apart from some forest tracks, rivers are the only way to enter the reserve.

It was then thought that the rhinos in the park belonged to the Javan species (*Rhinoceros sondaicus*). It was estimated that 5 or 6 of these animals were present. The identity of the rhinos was echoed when the rhinoceros was rediscovered in the late 1990s. We now believe that all rhinos in the park are actually of the two-horned species.

H.R. Rookmaaker was my grandfather.

Kees Rookmaaker

INCREASING THE CONTENTS OF THE RRC

The Rhino Resource Center is maintained as a service to research and conservation. It includes publications about all recent and fossil species of rhinoceros. No limits for dates, languages or subject matter. This comprehensive approach is important, and I believe that many research papers have been written or improved through the RRC, and many conservation policies have been positively influenced.

The RRC celebrates all authors who take time to write about the rhinoceros. All resources are added and archived, to be read now or to be preserved for future workers. The contents continue to explode.

In the last year, from 1 December 2018 to now, the RRC has seen the addition of 1180 references. This is an average increase of 3.2 items per day, for each of the 365 days in the year.

Some of the references are ‘old’, and many are current. Whatever the reader’s interest, there must be something that will help their project. All conservation action and all research programs must inevitably involve an understanding of what was done earlier, because we can learn from the failures and successes of the past, and learn from the wisdom of previous authors.

The help of any authors to contribute their papers to the RRC is ever appreciated.

And now there are over 24,000 to search, read and enjoy

Kees Rookmaaker, 29 November 2019



NOW PUBLISHED – *PACHYDERM* 60

Pachyderm, the Journal of the African Elephant, African Rhino and Asian Rhino Specialist Groups, has achieved the 60th issue – edited by Susie Goss. The rhino section is edited by Kees Rookmaaker. All submissions are peer-reviewed.

Pachyderm

July 2018-June 2019

Number 60



CONTENTS

- African Rhino Specialist Group report.
(Knight, M.H.)
- Asian Rhino Specialist Group report.
(Talukdar, B.K.)
- Are ear notches an effective tool for monitoring individual rhino? (Hussek, A.; Hacklaender, K.; Graf, C.)
- Debunked: the name of the white rhinoceros. (Rookmaaker, L.C.)
- Lady Curzon and the establishment of Kaziranga National Park.
(Rookmaaker, L.C.)
- Observations on the copulations of white rhinos at Ziwa Rhino Sanctuary, Uganda. (Patton, F.J.; Campbell, E.; Genade, A.)
- Occurrence of rhinoceros in the Free State, South Africa: a reassessment.
(Jordaan, H.L.; Fourie, P.J.; Lues, R.)
- 'Sounding the horn': a survey of antique rhino horn sold at auction in 2017.
(Brace, S.; Dean, C.)

The fate of Uganda's Northern white rhino translocated to Murchison Falls National Park in 1961 and 1964. (Wheater, R.; Parker, I.S.C.)

The Rhino Impact Investment Project: A new, outcomes-based finance mechanism for selected AfRSG-rated 'Key' black rhino populations. (Jeffries, G.; Withers, O.; Dean, C.)

Uganda: elephants, people and fire in the Gulu District. (Parker, I.S.C.)

Urgent appraisal needed of Sumatran rhino conservation efforts. (Payne, J.; Ahmad, A.; Zainuddin, Z.)

What does it take to curtail rhino poaching? Lessons learned from twenty years of experience at Malilangwe Wildlife Reserve, Zimbabwe. (Ball, M.B.; Wenham, C.M.; Clegg, B.W.; Clegg, S.B.)

Review: Illegal rhino horn trade in Eastern Asia still threatens Kruger's rhinos. (Rookmaaker, L.C.)

Book Review: Rhino Revolution—searching for new solutions. (Goss, S.)

Book Review: The story of India's unicorns. (Vigne, L.)

Tribute: Lucky Mavrandonis—a man with a passion, purpose and vision. (Downie, S.)

Obituary: Daphne Sheldrick - conservation icon saluted. (Sheldrick, A.)

We welcome submissions for number 61 to be published in 2020.



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



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[SAVE THE RHINO](http://www.savetherhino.org)

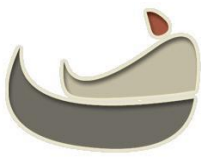


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We are grateful to all individuals who show their appreciation by their donation.
Thank you very much.

*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	2018 Dec	2019 March	2019 June	2019 Sept	2019 Dec	ANNUAL INCREASE
References	23,050	23,365	23,450	23,600	24,230	+ 1080
PDF files	22,800	23,125	23,195	23,410	24,180	+ 1380
Images	4,231	4,444	4,465	4,486	4,530	+ 300

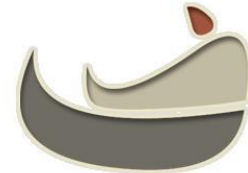
I thank everybody who has helped us by sending copies of books and papers.

All contributions are [acknowledged on the website](#).








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 31 November 2019)

In this quarter (September to November 2019), we have added 630 new references, to bring the total number of items in the database to **24,230**.

Of these, 24,100 or 99 percent are available as PDF and searchable.

Below I have listed new entries published in the 21st century 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.

NEW GENERAL PUBLICATIONS

- Rookmaaker, L.C., 2019. Evidence of a rhinoceros in Cork, Ireland, in November 1842. *Journal of the Bartlett Society* 27: 20-22, fig. 1.
- Rookmaaker, L.C., 2019. Debunked: the name of the white rhinoceros. *Pachyderm* 60: 131-132.
- Rookmaaker, L.C., 2019. Lady Curzon and the establishment of Kaziranga National Park. *Pachyderm* 60: 110-111.
- Rookmaaker, L.C., 2019. Book Review: Illegal rhino horn trade in Eastern Asia still threatens Kruger's rhinos. *Pachyderm* 60: 142-143.
- Brace, S.; Dean, C., 2019. 'Sounding the horn': a survey of antique rhino horn sold at auction in 2017. *Pachyderm* 60: 120-122.
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- Gallardo Luque, A., 2019. *La representacion del Unicornio en la cultura del occidente cristiano plenomedieval*. Dissertation presented to the Universidad Complutense de Madrid, pp. 1-810.
- George, K.; Masters, A.; Dawnay, N., 2019. Development of HyBeacon® probes for the forensic detection of Panthera, rhinoceros, and pangolin species. *Molecular and Cellular Probes* 2019 - in press: <https://doi.org/10.1016/j.mcp.2019.101450>.
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- Gippoliti, S., 2019. Conservation breeding programs and refined taxonomy as a political tool for biodiversity conservation: the de Beaux and Durrell legacies. *Journal of Animal Diversity* 1 (1): 26-33.
- Glynatsi, N.E.; Knight, V.; Lee, T.E., 2017. An evolutionary game theoretic model of rhino horn devaluation. *Ecological Modelling* 389, 33-40.



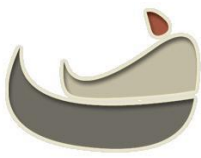
General – continued

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- Houwald, F. von, 2019. How to save the rhino. *Zooquaria* no.104: 16-17.
- International Rhino Foundation; Ellis, S., 2018. *Annual report for 2018*. White Oak, IRF, pp. 1-13.
- International Rhino Keeper Association, 2019. Various notes. *The Crash*, October 2019: 1-12.
- IUCN, 2016. *Briefing paper: Informing decisions on trophy hunting*. Morges, IUCN, pp. 1-26.
- Kawata, K., 2019. From behind the Iron Curtain: four East German zoos in a reunited nation. *Journal of the Bartlett Society* 27: 5-19.
- King, T., 2013. The Aspinall Foundation: 30 years of captive-breeding, reintroduction and conservation. *Wild Conservation* 1 (3): 76-89.
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- Mallet, C.; Cornette, R.; Billet, G.; Houssaye, A., 2019. Are rhinoceros graviportal? Morphofunctional 3d-analysis of modern rhinoceros limb long bones. *Journal of Morphology* 280: 171-172.
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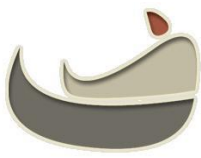
NEW PUBLICATIONS ON AFRICAN RHINOS

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- Anonymous, 2019. Fooled you: a realistic knock-off that may wreck the rhino-horn market. *Economist* 16 November 2019: 74.
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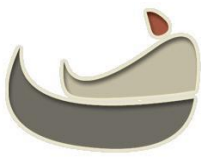
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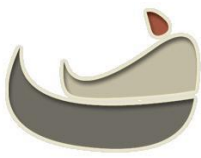
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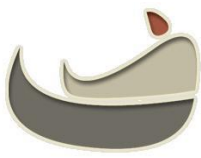
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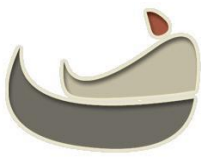
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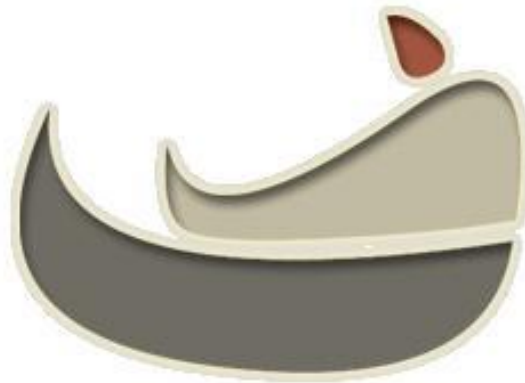
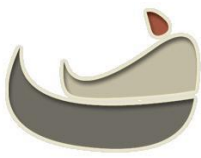


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Dr Kees Rookmaaker has actively worked on the biology and history of the rhinoceros for 50 years. He is a member of the IUCN-SSC Asian Rhino Specialist Group, and advisor to the EAZA Rhino TAG and to the International Rhino Foundation. He is the editor of the rhino section of *Pachyderm*. Author of eight books on African and Asian exploration and on the rhinoceros, as well nearly 250 shorter publications, many in peer-reviewed journals. Until 2015, he worked as a Senior Research Fellow on [Darwin Online](#) and [Wallace Online](#) at the National University of Singapore. He was Secretary of the International Commission on Zoological Nomenclature (ICZN) for a short period in 2015. The Society for the History of Natural History awarded him their Founder's Medal, and he served in the Council for several years.

CHRONICLES OF THE RHINOCEROS IN SOUTH ASIA

This is a new project to review and archive the historical information on the interaction between men and rhinoceros in the South Asian subcontinent. There is much amazing information in all kinds of publications, as well as data on rhino trophies and specimens in museums and private collections. I am particularly excited about some of the older artwork and photographs which can still be found.

-  Pictures of any rhinoceros in art or alive in Indian subcontinent
-  Historical photographs of rhinos hunted or seen before 1970
-  Data on trophies and specimens in museums and private collections

All contributions are always welcome

Kees Rookmaaker – May 2019