

## RHINO RESOURCE CENTER

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

### NEWSLETTER #51 JUNE 2018

Dear colleagues and friends,

This is the 51st 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 **22,635**. This is an increase of 155 items in the last quarter. Over 22,300 references are **available** as PDF on RRC website

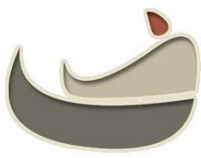


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The Rhino Resource Center is a Charity (Registered KvK Utrecht 30185802)  
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#### THE RRC ON THE INTERNET

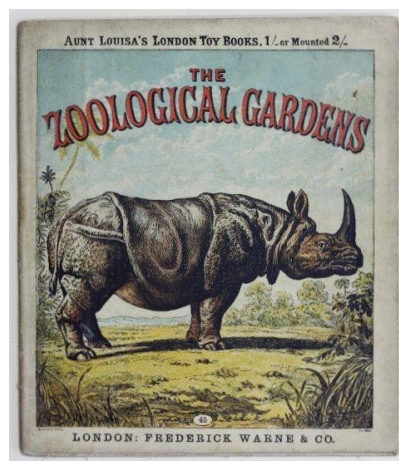
It is well-known that our website [www.rhinosourcecenter.com](http://www.rhinosourcecenter.com) is the main interface between our collections and the public. Anybody interested in the rhinoceros can browse through thousand of pages of information about just about anything that has to do with these animals. The website is updated almost daily, of which the contents of this newsletter is merely an abstract.

It is a strange phenomenon that few authors care to acknowledge the enormous benefits reaped from access to information giants like the Biodiversity Heritage Library, Archive, Google Books and the commercial databases. In reality, it is probably hardly possible or desirable to mention every website we use in our daily search for data, it would clutter up our publications without adding mucg benefit, except maybe to the compilers of the websites.

We hope, and we are pretty certain, that the RRC website is visited by hundreds of people every day, some of whom will later use the information in their publications. That is our stated aim, to assist research and conservation, and surely those who learn to navigate through the details of the website will find the required data, saving much time and effort, and therefore need for funding.

#### A THANK YOU

But it is certainly pleasing and refreshing to find, occasionally, an acknowledgement of the value of the RRC website. Just a few days ago, I came across an interesting paper by Zara Jean Bending in Australia, referred to below, which “acknowledges Dr Kees Rookmaaker, Chief Editor of the Rhino Resource Center, whose indomitable dedication to disseminating research and maintaining archives made this research possible.” Thank you.





## BETINA IN BASEL ZOO

John-David Bauder of ProZoo posted on the internet some unknown photographs of Betina, the Sumatran Rhinoceros exhibited in Basel Zoo from 2 July 1959 to 8 September 1961. These photos have also been archived on the RRC.



## CHRONICLES OF THE RHINOCEROS IN SOUTH ASIA

My project to review and archive the historical information on the interaction between men and rhinoceros in the South Asian subcontinent is still in investigation phase. 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.

There is always more to find, so here is my request to all readers:

- ☺ To help with 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

And I am still looking for

- ☺ Assistance in designing new maps of distribution
- ☺ Suggestions for a publisher able to design and produce an outstanding book.

All contributions are always welcome

Kees Rookmaaker – May 2018





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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	2017 June	2017 Sept	2017 Dec	2018 March	2018 Feb	ANNUAL INCREASE
References	21,290	21,550	22,130	22,465	<b>22,635</b>	+ <b>1345</b>
PDF files	20,990	21,265	21,850	22,200	<b>22,375</b>	+ <b>1385</b>
Images	3,966	3,995	4,040	4,085	<b>4,115</b>	+ <b>150</b>
Members	3,389	3,516	3,715	3,920	<b>4,000</b>	+ <b>610</b>

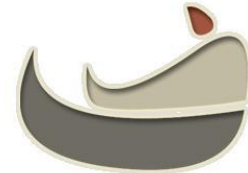
I thank everybody who has helped us by sending copies of books and papers.

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 29 May 2018)

In this quarter (March to May 2018), we have added 155 new references, to bring the total number of items in the database to **22,6350**.

Of these, 22,370 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

- Aucoin, C.; Deetlefs, S., 2018. Tackling supply and demand in the rhino horn trade. *ENACT Policy Brief* Issue 2: 1-12.
- Bending, Z.J., 2018. Improving conservation outcomes: understanding scientific, historical and cultural dimensions of the illicit trade in rhinoceros horn. *Environment and History* 24 (2): 149-186.
- Edwards, J., 2012. *London Zoo from old photographs 1852-1914*, second edition. London, Edwards, pp. 1-312.
- Gippoliti, S.; De Francesco, T.; Robovsky, J., 2018. On the shoulders of giants - Reginald Innes Pocock and integrative mammal research in museums and zoos. *Mammalia* (2018): 11 pp, 3 tabs [<https://doi.org/10.1515/mammalia-2017-0089>].
- Houwald, F. von; Versteegen, L., 2011. Rhino. Tag Reports (EAZA, European Association of Zoos and Aquaria) 2011: 32-33.
- Houwald, F. von; Versteegen, L., 2012 to 2016. Rhino. Tag Reports (EAZA) 2012, 2013-14, 2015, 2016.
- International Rhino Keeper Association, 2018. Various notes. *The Crash* March 2018: 1-14.
- Robin des Bois, 2018. Information sur braconnage des rhinoceros. *A La Trace (Bulletin d'information et d'analyses sur le braconnage et la contrebande d'animaux)* no.19: 83-91.
- Robin des Bois, 2018. Information sur braconnage des rhinoceros. *A La Trace (Bulletin d'information et d'analyses sur le braconnage et la contrebande d'animaux)* no.20: 79-87.
- Robin des Bois, 2018. Notes on rhinoceros poaching. *On the Trail (Information and analysis bulletin on animal poaching and smuggling)* no.19: 83-91.
- Robin des Bois, 2018. Notes on rhinoceros poaching. *On the Trail (Information and analysis bulletin on animal poaching and smuggling)* no.20: 79-87.



## General Publications – continued

Rookmaaker, L.C., 2018. (draft) Bibliography of all publications by Colin Peter Groves, 1965-2018. Rhino Resource Center.

Rookmaaker, L.C., 2018. The Javan rhino in Junagadh. *Hornbill (Mumbai)* January-March 2018: 23, fig. 1. – This is an amazing little story, also documenting at least one *Rhinoceros sondaicus* in captivity hitherto unknown.

Spillane, J.J., 2018. *Use of technology to combat poaching: solution or problem.* Privately published online, pp. 1-28.



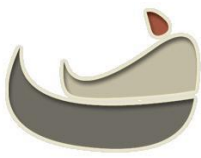
## NEW PUBLICATIONS ON AFRICAN RHINOS

Al-Ajjaz, L., 2017. Africa's white gold: a comparative analysis of anti-poaching strategies. M.Sc. Thesis presented to the University of Leiden, The Netherlands, pp. 1-57.

Amundin, M., 2017. Defying the poachers: why Kolmarden Wildlife Park is the perfect test arena for anti-poaching research. *Zooquaria* no.97: 22-24.

Anonymous, 2005. Rare (White) rhino birth at Perth Zoo. *Australian Veterinary Journal* 83 (9): 403, 1 figure.

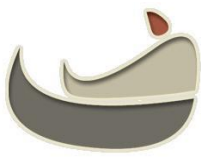
Atkins, J.; Maroun, W.; Atkins, B.C.; Barone, E., 2018. From the Big Five to the Big Four? Exploring extinction accounting for the rhinoceros. *Accounting, Auditing & Accountability Journal* 31 (2): 674-702.



## African Rhinos – continued

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- Crawford-Cabral, J.; Verissimo, L.N., 2005. *The ungulate fauna of Angola: systematic list, distribution maps, database report*. Lisboa, Ministeria da Ciencia.
- Ferreira, S.M.; Greaver, C.; Nhleko, Z.; Simms, C., 2018. Realization of poaching effects on rhinoceroses in Kruger National Park, South Africa. *African Journal of Wildlife Research* 48 (1): 1-7.
- Harper, C.; and 23 others, 2018. Robust forensic matching of confiscated horns to individual poached African rhinoceros. *Current Biology* 28 (1): r13-r14.
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- Linn, S.N.; Boeer, M.; Scheumann, M., 2018. First insights into the vocal repertoire of infant and juvenile Southern white rhinoceros. *PLoS ONE* 13 (3): e0192166: 1-18.
- Meyers, J., 2008. Le "rhinocéros" de Frère Félix Fabri: Autopsie d'un passage de l'Évagatorium (II, 7, fol. 39 B-40 A). *Rursus: Poïétique, réception et réécriture des textes antiques* 3: 1-19.
- Monsarrat, S.; Kerley, G.I.H., 2018. Charismatic species of the past: Biases in reporting of large mammals in historical written sources. *Biological Conservation* 223: 68-75.
- Mutu, K., 2018. Interview with Colin Church. *Swara* April-June 2018: 46-47.
- Nyaga, J., 2018. World's last male Northern white rhinoceros dies. *Swara* April-June 2018: 20-23.
- Patton, F., 2018. Should Kenya revisit hunting as a conservation tool? *Swara* April-June 2018: 30-34.
- Stidley, C., 2017. Coming back from the edge. *Zoo View: a science journalism project* 2017: 26-30.
- Stoops, M.R.; Winget, G.D.; DeChant, C.J.; Ball, R.L.; Roth, T.L., 2018. Early fetal sexing in the rhinoceros by detection of male-specific genes in maternal serum. *Molecular Reproduction & Development* 85 (3): 197-204.
- Tunstall, T.; Kock, R.; Vahala, J.; Diekhans, M.; Fiddes, I.; Armstrong, J.; Paten, B.; Ryder, O.A.; Steiner, C.C., 2018. Evaluating recovery potential of the northern white rhinoceros from cryopreserved somatic cells. *Genome Research* 28: 1-9.
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- Yam, J.; Gestier, S.; Bryant, B.; Campbell-Ward, M.; Bogema, D.; Jenkins, C., 2018. The identification of *Theileria bicornis* in captive rhinoceros in Australia. *International Journal for Parasitology: Parasites and Wildlife* 7 (1): 85-89.

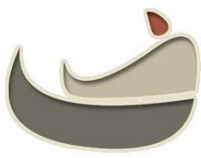




## NEW PUBLICATIONS ON ASIAN RHINOS

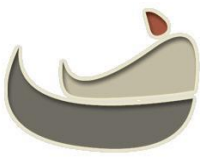
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- Bahuguna, N.E., 2018. *The man eating elephant*. Calcutta, pp. 1-43. – **Almost exclusive to RRC.**
- Baroowah, G.P., 2017. *Where wise owls dare: the life of the rhinoceros in Kaziranga*. Chennai, Notion Press, p. 1-188.
- Basel Zoo; Houwald, F.von; Pagan, O.; Rieches, R., 2015. *International studbook for the greater one-horned or Indian rhinoceros, *Rhinoceros unicornis*, 31 December 2015*. Basel, Zoologischer Garten, pp. 1-69.
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- Pachau, J.L.K.; Schendel, W. van, 2015. *The camera as witness: a social history of Mizoram, Northeast India*. Delhi, Cambridge University Press, pp. i-xxvii, 1-475.
- Payne, J. (compiler), 1980-1987. Documents on first Sumatran rhino metapopulation management plan. Compilation of reports, newspapers, correspondence and publications from 1980 to 1987. **These miscellaneous files are unique to the RRC.**
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## Asian Rhinos – continued

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Smadja, J., 2018. A chronicle of law implementation in environmental conflicts: the case of Kaziranga National Park in Assam (North-East India). *South Asia Multidisciplinary Academic Journal* 17: 1-37.

Steiner, C.C. ; Houck, M.L.; Ryder, O.A., 2018. Genetic variation of complete mitochondrial genome sequences of the Sumatran rhinoceros (*Dicerorhinus sumatrensis*). *Conservation Genetics* 19: 397-408.

Tshering, U.; Katel, O.; Nidup, T., 2017. Determining ungulate distribution and habitat utilization in royal Manas national park, Bhutan. *International Journal of Fauna and Biological Studies* 4 (2): 91-96.





## NEW PUBLICATIONS ON FOSSIL RHINOS

Section edited by Emmanuel Billia, Dan Ziegler and Athanassios Athanassiou.

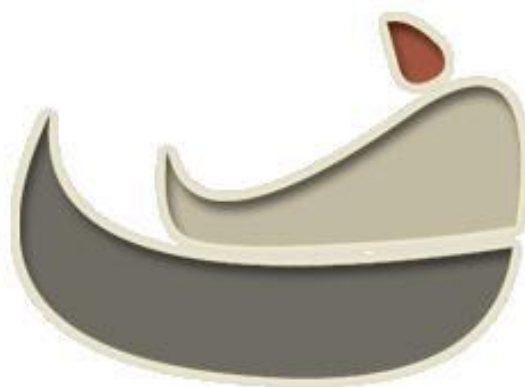
Mihlbachler, M.C.; Campbell, D.; Chen, C.; Ayoub, M.; Kaur, P., 2018. Microwear–mesowear congruence and mortality bias in rhinoceros mass-death assemblages. *Paleobiology* 44 (1): 131-154.

Sardella, R.; Mazzini, I.; Giustini, F.; Mecozzi, B.; Brilli, M.; Iurino, D.A.; Lembo, G.; Muttillio, B.; Massussi, M.; Sigari, D.; Tucci, S. & Voltaggio, M., 2018. Grotta Romanelli (Southern Italy, Apulia): legacies and issues in excavating a key site for the Pleistocene of the Mediterranean. *Rivista Italiana di Paleontologia e Stratigrafia, Milano* 124 (2): 247-264, 6 figs, 5 tabs.

Wang, Haibing; Bai, Bin; Meng, Jin; Wang, Yuanqing, 2016. Earliest known unequivocal rhinocerotoid sheds new light on the origin of Giant Rhinos and phylogeny of early rhinocerotoids. *Scientific Reports* 6: 1-9.

## THANK YOU

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Rhino Resource Center

Dr Kees Rookmaaker - Email: rhinorrc [at] gmail.com

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 over two hundred 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.