

RHINO RESOURCE CENTER

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NEWSLETTER #54 MARCH 2019

Dear colleagues and friends,

This is the 54th 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 **23,365**. This is an increase of 315 items in the last quarter. Over 23,120 references are **available** as PDF on RRC website



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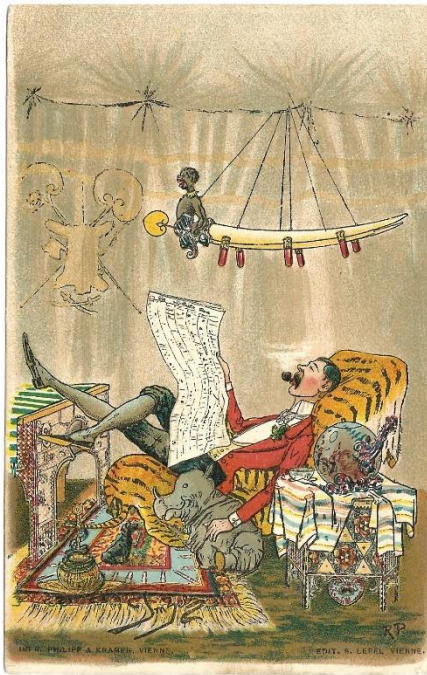
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A VISION OF CLARA, THE DUTCH RHINOCEROS

Soon after Clara’s birth in the Assamese jungle on 19 June 1738, hunters killed her mother, captured her and brought her to Calcutta. On behalf of the Nawab, she was given to the director of the Dutch Factory in Hooghly, Jan Albert Sichterman (1692-1764). Sichterman kept Clara at home as a pet, allowing her to roam freely in the gardens and sometimes in the house. Soon after she was sold to Douwe Mout van der Meer, the captain of the *Knappenhof* of the Dutch East India Co. and transported to Holland arriving on 30 November 1740.



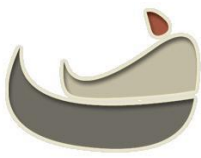
The postcard shown left (recently acquired) may depict a different occasion, but it is tempting to suggest that here we see Mr. Sichterman relaxing with his evening newspaper, with Clara resting patiently by his side.

Text on postcard: "Im Zelt" Impr. Philipp & Kramer. Vienne. [signed] "RP" Edit 8 Lebel Vienne. Reverse has only "Postkarte". Probably around 1900 – any clues of the artist and date will be welcome.



Meyer 1756

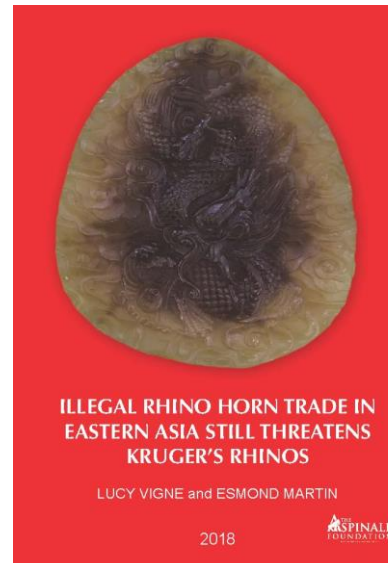




ILLEGAL RHINO HORN TRADE IN EASTERN ASIA

Vigne, Lucy & Martin, Esmond B., 2018. *Illegal rhino horn trade in Eastern Asia still threaten's Kruger's rhinos*. Port Lympne, Aspinnall Foundation, pp. 1-124.

Murdered in his home in Nairobi on 4 February 2018, Esmond Bradley Martin was prevented to complete his report of his latest surveys of the trade in elephant ivory and rhino horn which had been his passion for so many years. His colleague Lucy Vigne had the sad but necessary task to take the work to its conclusion. This report presents, as usual, a mass of data relating to the poaching in Africa and trade to East Asia. It is well-written and well-presented and should be read by all conservationists. A review of the work will also appear in the next edition of *Pachyderm*.

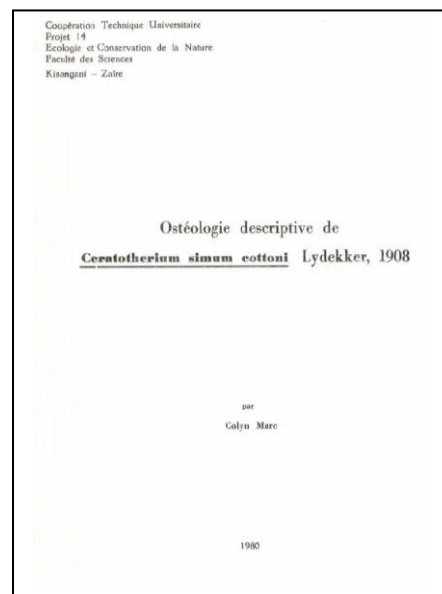


COLYN'S OSTEOLOGY OF THE NILE RHINOCEROS

The longer you work on a project, the less surprised you are to find publications that you seem to have overlooked for many years. Browsing through the library of the late Colin Groves, I came across a booklet that I had overlooked. It is a volume in A4 format, probably cyclostyled, softcover, written by Marc Colyn as part of a project in Kisangani, Congo in 1980:

Colyn, Marc, 1980. *Ostéologie descriptive de Ceratotherium simum cottoni Lydekker, 1908*. Kisangani, Cooperation Technique Universitaire Belge, Projet 14, pp. 1-201, pls. 1-96

Checking the main libraries represented on the Karlsruhe Virtual Catalog (always a useful resource), I find that there are only 4 or 5 copies listed of this work. It is therefore almost certainly quite a rare item. The book consists of drawings of the skull components of *Ceratotherium (simum) cottoni*, and considering the impending extinction of the animal, it is a useful and important record of the species.





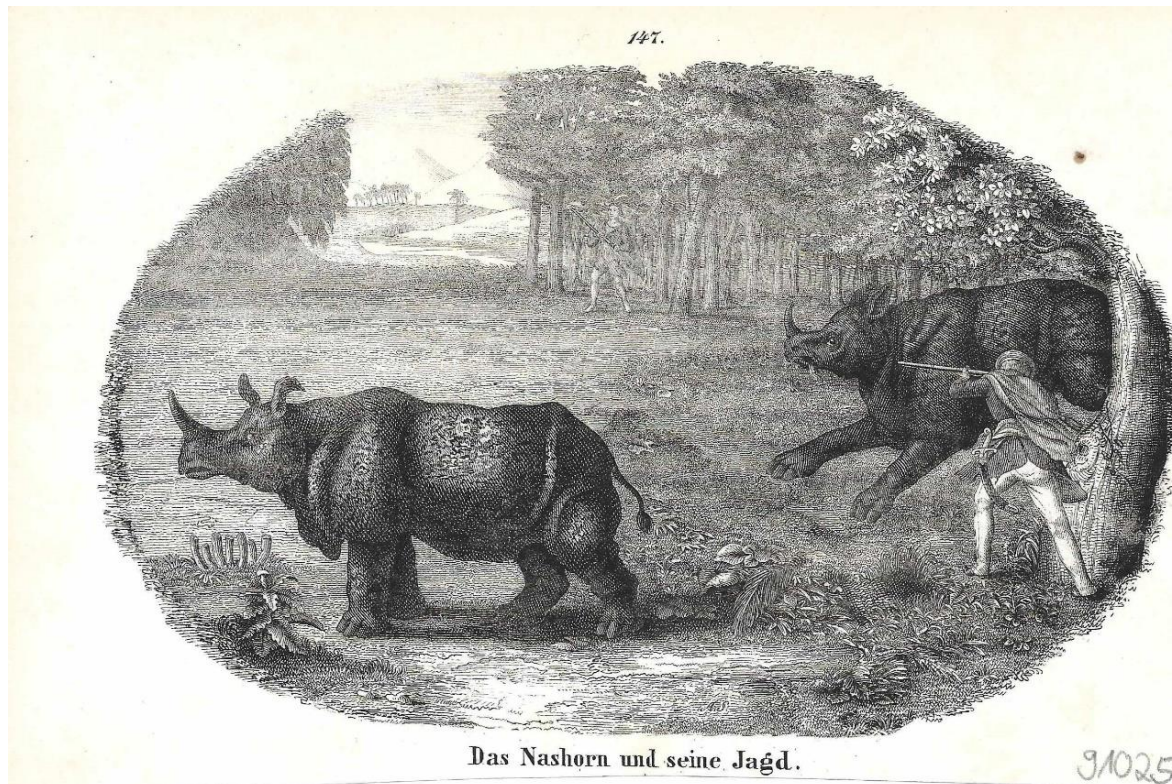
REMEMBERING THE KOTDWARA RHINOCEROS

Kotdwara is a town in the Indian state of Uttar Pradesh, just west of the famous Corbett National Park. The English artists Thomas Daniell and his nephew William Daniell were visiting this garrison town on Monday 20 April 1789 and during a hike to while away some hours, they suddenly came across a rhinoceros. William immediately took his sketchbook and immortalized the animal. This episode was highlighted in the *Hornbill* (1999) and *Archives of Natural History* (1999).

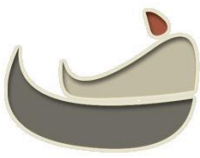
We are all aware that the range of the rhinoceros once extended along the foothills of the Himalayas from Assam in the east towards the west. We find the animal mentioned by the mogul emperors Babur and Akbar in general terms. Not only are there very few later references for the more western part, there is always the possibility that the animals were not greater one-horned rhinos, but its slightly smaller congener *Rhinoceros sondaicus* (certainly Edward Blyth believed it was). The rhinoceros of Kotdwara is an important record, being definite, accurately logged and showing the specific identity of the animal – a clear *Rhinoceros unicornis*.

Daniell's sketch was first published as late as 1835. The plate became popular for a while. I recently found it again in a German publication (see figure), which pointedly shows at the same time the main reason why these animals were greatly reduced in numbers. Unfortunately the source of the engraving is unknown – and any information is welcome.

Kees Rookmaaker



The 1789 Kotdwara rhinoceros in a scene showing the partial reason for the decline of the animals.



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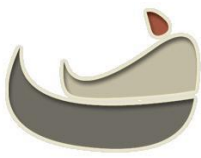


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We are grateful to all individuals who show their appreciation by their donation.
Thank you very much.

*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 March	2018 June	2018 Sept	2018 Dec	2019 March	ANNUAL INCREASE
References	22,465	22,635	22,850	23,050	23,365	+ 900
PDF files	22,200	22,375	22,578	22,800	23,125	+ 975
Images	4,085	4,115	4,162	4,231	4,444	+ 359

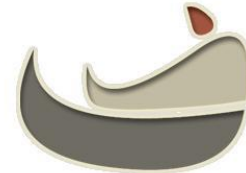
I thank everybody who has helped us by sending copies of books and papers.

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.

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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 12 February 2019)

In this quarter (December 2018 to February 2019), we have added 200 new references, to bring the total number of items in the database to **23,050**.

Of these, 22,800 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.

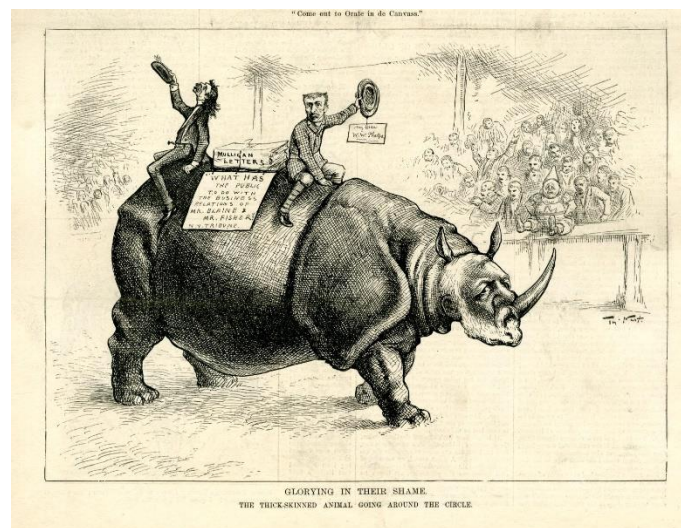
Most additions are available on the website.

Search for them on the RRC, it's easy.

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

NEW GENERAL PUBLICATIONS

- Barrero, M., 2017. *El rinoceronte y el poeta*. Madrid, Alianza, pp. 1-203.
- James, T.G., 2012. London's zoo of zoos. *National Geographic* 103 (6): 770-786.
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- Plumb, C., 2018. Bird sellers and animal merchants. In: Curry, H.A., Jardine, Second, Spary (eds) *Worlds of Natural History*. Cambridge University Press: pp. 255-279.
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- Robin des Bois, 2018. Notes on rhinoceros poaching. *On the Trail (Information and analysis bulletin on animal poaching and smuggling)* no.22: 77-82.
- Rookmaaker, L.C.; Wyhe, J.van, 2017. A price list of birds collected by Alfred Russel Wallace inserted in *The Ibis* of 1863. *Bulletin of the British Ornithologists' Club* 138 (4): 335-345, fig. 1.
- Surget, A., 2008. *Dans l'ombre des rhinoceros*. Paris, Calligram, pp. 1-61.
- Vigne, L.; Martin, E.B., 2018. *Illegal rhino horn trade in Eastern Asia still threaten's Kruger's rhinos*. Lympne, Aspinall Foundation, pp. 1-124.



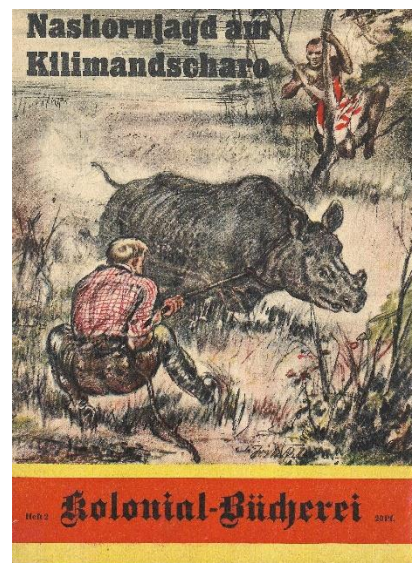


NEW PUBLICATIONS ON AFRICAN RHINOS

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- Anyango, S.O., 2018. Habitat use and ecological carrying capacity for the Eastern black Rhinoceros (*Diceros bicornis michaeli*) in Ruma National Park, Kenya. Thesis presented to Maseno University, Nairobi, Kenya, (abstract only).
- Boesch, J.M.; Glead, R.D.; Buss, P.; Hofmeyr, M.; Tordiffe, A.; Zeiler, G.; Meyer, L., 2018. Effects of a supplemental etorphine dose on pulmonary artery pressure and cardiac output in immobilized, boma-habituated white rhinoceros (*Ceratotherium simum*): a preliminary study. *Journal of Zoo and Wildlife Medicine* 49 (4): 849-855.
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- Culik, L.; Hruby, J., 2016. Kopytnici. *Annual Report of Dvur Kralove Zoo* 2016: 136-147.
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- Dasgupta, B.; Rusha, E.; Drukker, M., 2018. iPSC generation, prime to naive reversion & characterization and primordial germ cell differentiation of northern white rhino horn. Report to University of Bremen, pp. 1-25.
- Ferreira, S.; Le Roux, N.; Greaver, C., 2019. Species-specific drought impacts on black and white rhinoceroses. *PLoS ONE* 14(1): e0209678: 1-11 – <https://doi.org/10.1371/journal.pone.0209678>.

Another rare booklet added to the RRC:

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- Knutson, M.D.; Lavin, S.R.; Sullivan, K.E., 2018. Letter to the editor [on serum ferritin]. *Journal of Zoo and Wildlife Medicine* 49 (3): 834-836.
- Labuschagne, L., 2018. Nashorn-Ueberwachung 24/7 (Ngorongoro). *ZGF-Gorilla* 2018 (1): 26-29.
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- Olds, J.; Oltman, W.; Makowski, A.J.; Householder, H.; Keeley, L.L., 2018. Seasonal variation of serum 25-hydroxy-vitamin d in two captive eastern black rhinoceros (*Diceros bicornis michaeli*) housed in a North American zoo. *Journal of Zoo and Wildlife Medicine* 49 (4): 943-951.
- Otiende, M.Y., 2016. Rhinoceros conservation in Kenya: the implication of translocation in disease transmission dynamic. Thesis presented to the University of Jaen, pp. 1-82.
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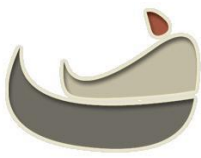


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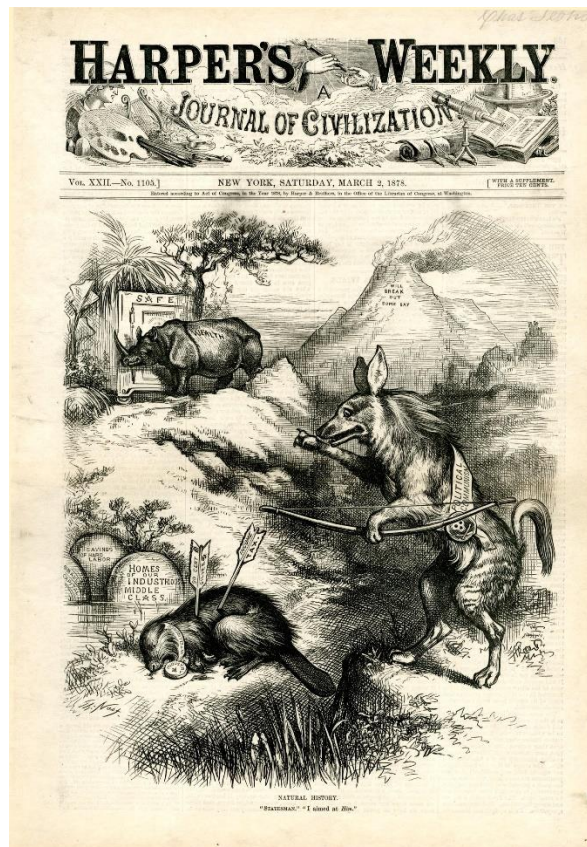
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- Gschwend, A. Jordan, 2010. *Elfenbeine aus Ceylon: Luxusgüter für Katharina von Habsburg (1507-1578)*. Zurich, Museum Rietberg.



Asian Rhinos – continued

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- Hasanah, M.R., 2018. Technique and interpretation of radiography in the hind limb of Sumatran Rhinoceros in the Rhino Sumatran Sanctuary (SRS). Thesis submitted to Bogor University, pp. 1-29.
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- Nepal - National Trust for Nature Conservation, 2017. Annual report. Kathmandu.
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- Smith, M.S., 2018. Framing rhino horn demand reduction in Vietnam: dismissing medical use as voodoo. *Pacific Journalism Review* 24 (2), 241-256.
- Somaratne, G.A., 2018. The horn of rhinoceros: a text that speaks unorthodoxy. *Journal of Nanasamvara Centre for Buddhist Studies* 1: 235-262.
- Watkins, V., 2008. The rhinos of Nepal at Whipsnade Zoo. *Journal of the Britain-Nepal Society* 32: 39-40.
- Yudhichia, A.N.W.; Ferawati, N.M.; Arsan, Z.; Hasmaran, S.; Citino, S.; Bryant, B., 2018. Anestesi kombinasi pada badak sumatra: prosedur awal koleksi sperma menggunakan elektroejakulator. Proceedings of the 20th FAVA Congress & the 15th KIVNAS PDHI, Bali Nov 1-3, 2018, pp. 319-321.



Photo: Ramesh Bhatta. Rhinos in Pabitora.



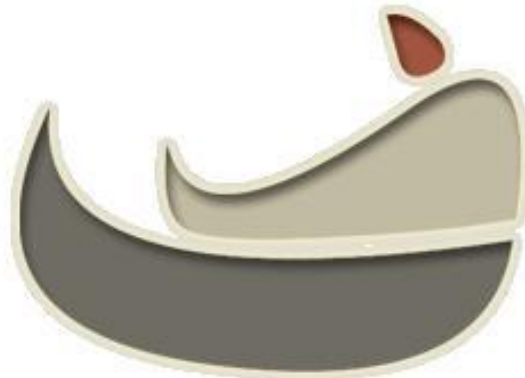
NEW PUBLICATIONS ON FOSSIL RHINOS

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

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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 2018