

## RHINO RESOURCE CENTER

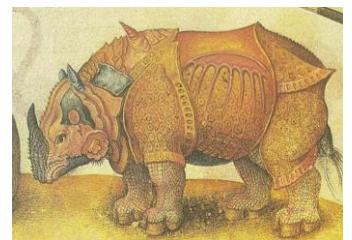
[www.rhinoresourcecenter.com](http://www.rhinoresourcecenter.com)

### NEWSLETTER #43 JUNE 2016

Dear colleagues and friends,

This is the 43rd 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 **20,250**. This is an increase of 230 items in the last quarter. **Over 20,000 references are available as PDF on RRC website**

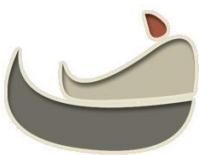


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The Rhino Resource Center is a Charity (Registered KvK Utrecht 30185802)  
Board Members: Tineke van Strien, Prof. Robert Visser, Dr. Esmond Bradley Martin  
Founding Chairman: Dr. Nico J. van Strien



# RRC NEWSLETTER

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## OUR EXECUTIVE TEAM

Director and Chief Editor: Kees Rookmaaker  
Database Maintenance & Web Design: Willem J. van Strien

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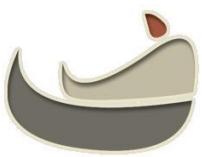
## OUR NEW CHAIRPERSON

We are very pleased to announce that Tineke van Strien has accepted to be the chairlady of the RRC. She is the widow of our founding chairman Nico, who sadly passed away in 2008 (his biography is here). Tineke spent many years in Indonesia and is passionate about rhino conservation and research. We are happy that the RRC is a registered charity in Holland with a small but effective board with dedicated officers.

## RATU'S NEW BABY: AN IMPORTANT MILESTONE

On Thursday, 12 May 2016, at 4:42 am a baby Sumatran Rhinoceros was born in Way Kambas National Park in South Sumatra, Indonesia. The parents were male Andalas and female Ratu, who mated in the sanctuary about 16 months ago. The baby has not yet been named. Sumatran rhinos are of course very close to the brink of extinction. They are hunted in the wild and reproduce very slowly in captivity. Many females unfortunately show abnormalities in their reproductive tracts, which often prevent mating or the ability to carry a pregnancy successfully.





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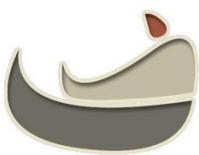
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The Sumatran Rhino Sanctuary (SRS) is an area in Way Kambas National Park set aside for rhino conservation, aided by the International Rhino Foundation (IRF). The center is continuously manned by dedicated veterinary and conservation staff. The birth of the young female is a great achievement. The IRF needs to be supported for their great efforts which of course have to continue for many years.



©Stephen Belcher/Canon/IRF/YABI

The baby hopes for a bright future. Support IRF and Rhino Conservation.



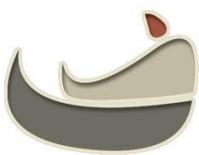
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## A RHINOCEROS IN THE VATICAN

For many years I have tried to get information about the existence of a mounted rhinoceros in the Vatican. The theory is that the animal imported in Lisbon in 1515 might be there. This rhinoceros was drawn and engraved by the famous artist Albrecht Dürer, whose depictions curiously included a small twisted horn on the shoulders. This hornlet has played a major role in the history of rhino studies until the end of the 18th century. The animal drowned off the coast of northern Italy in 1517, and it was rumoured that the dead animal washed ashore. As it was a gift to Pope Leo X, this might have meant that the hide was transferred there. Or otherwise it might have gone to Florence. But so far this skin remains lost.

When our editor Jim Monson visited the Vatican earlier this year, he went to see the Hall of Animals in the Pio Clementino Museum. The Museum is called after the two popes who oversaw its foundation, Clement XIV Ganganelli (1769-1774) and Pius VI Braschi (1775-1799). The animals are sculptures. A picture of the rhinoceros head is here – and lacks the Dürer hornlet on the shoulders. The history of this particular work of art may need some elucidation.





## ARADER AUCTION – 11 JUNE 2016

Four original watercolours of different species of rhinoceros will be auctioned at the Arader Gallery. They are the work of Charles Hamilton Smith (1776-1859), who attempted to picture all known species of mammals in a virtual library. There was a paper on his work in the Archives of Natural History.

Be sure to mention the Rhino Resource Center if you happen to purchase at the auction. If you do, as a kind gesture, the Gallery will donate a percentage of the hammer price to rhino conservation.

The four examples can be accessed under these links:

- 1 [https://www.liveauctioneers.com/item/45267116\\_charles-h-smith-rhinoceros-watercolor](https://www.liveauctioneers.com/item/45267116_charles-h-smith-rhinoceros-watercolor)
- 2 [https://www.liveauctioneers.com/item/45267113\\_charles-h-smith-african-rhinoceros-watercolor](https://www.liveauctioneers.com/item/45267113_charles-h-smith-african-rhinoceros-watercolor)
- 3 [https://www.liveauctioneers.com/item/45267114\\_charles-h-smith-rhinoceros-watercolor](https://www.liveauctioneers.com/item/45267114_charles-h-smith-rhinoceros-watercolor)
- 4 [https://www.liveauctioneers.com/item/45267115\\_charles-h-smith-rhinoceros-watercolor](https://www.liveauctioneers.com/item/45267115_charles-h-smith-rhinoceros-watercolor)

## FORTHCOMING MEETINGS

Go and visit Singapore in November to attend:

*15th Elephant & Rhino Conservation and Research Symposium*

Singapore Zoo, 14-18 November 2016

Presented by International Elephant Foundation and International Rhino Foundation

For more information, call or papers:

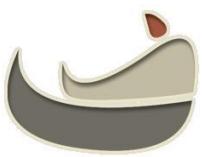
<https://elephantconservation.org/programs/research/elephant-rhino-conservation-and-research-symposium/>

And if the diary is already filling up, add this event next year:

*Rhino Keepers Workshop*

Presented by the International Rhino Keepers Association

Chicago, Illinois in August of 2017



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## OUR SPONSORS

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



[SOS RHINO](#)



[INTERNATIONAL RHINO FOUNDATION](#)



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We receive regular donations from Save the Rhino International and Rhino Carhire.



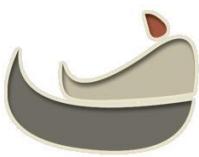
[SAVE THE RHINO](#)



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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.*



# RRC NEWSLETTER

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## CONTENTS OF THE RHINO RESOURCE CENTER

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

RRC	2015 June	2015 September	2015 December	2016 March	2016 June	ANNUAL INCREASE
References	19,524	19,634	19,850	20,020	<b>20,250</b>	+ 726
PDF files	19,195	19,313	19,546	19,754	<b>20,000</b>	+ 805
Images	3,578	3,613	3,628	3,755	<b>3,800</b>	+ 177
Members	2,388	2,482	2,567	2,689	<b>2,924</b>	+ 536

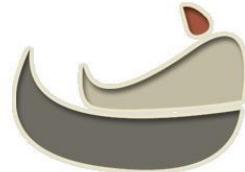
I thank everybody who has helped us by sending copies of books and papers.

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](#)

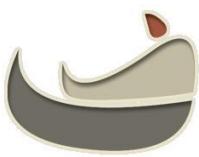


The Rhino Resource Center is an essential tool for

- ⌚ 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 30 May 2016)

In this quarter (March to May 2016), we have added 230 new references, to bring the total number of items in the database to **20,250**.

Of these, 20,000 or 98.8 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.

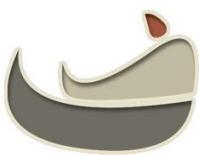
**This quarter saw the publication of some pivotal papers and reports,  
all well worth the attention for anybody interested in rhinos.**

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

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

### GENERAL PUBLICATIONS

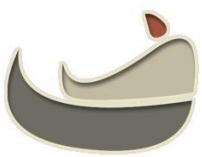
- Aalbrecht, H.; Wagenaar, P., 2015. *Waarom is een witte neushoorn grijs (en een zwarte ook)? Woorden die je op het verkeerde been zetten*. Utrecht and Antwerpen, Van Dale, pp. 1-127.
- Anonymous, 2016. 2015 worst year on record for rhino poaching. *Oryx* 50 (2): 194.
- Ayling, J., 2013. What Sustains wildlife crime? Rhino horn trading and the resilience of criminal networks. *Journal of International Wildlife Law & Policy* 16 (1): 57-80.
- Broad, S.; Burgess, G., 2016. Synthetic biology, product substitution and the battle against illegal wildlife trade. *Traffic Bulletin* 28 (1): 22-28.
- Center for Biological Diversity; WildAid, 2016. Before the Secretary of the Interior (USA): Petition to ban the import, export, and sale of “cultured” rhinoceros horn and cultured products of other protected wildlife species - February 10, 2016. Washington, CBD, pp. 1-10.
- Cites, 2016. CITES demands urgent action to tackle illegal ivory and rhinoceros horn trade. *Oryx* 50 (2): 191.
- Everatt, K.T. ; Andresen, L.; Ripple, W.J. ; Kerley, G.I.H., 2016. Write back: Rhino poaching may cause atypical trophic cascades. *Frontiers in Ecology and the Environment* 14 (2): 65-67.
- Global Federation of Animal Sanctuaries, 2015. Standards for rhinoceros, hippopotamus and tapir sanctuaries. Washington, DC., GFAS, pp. 1-66.
- Grove, L.; Thomas, S., 2016. The rhino horn on display has been replaced by a replica: museum security in Finland and England. *Journal of Conservation and Museum Studies* 14 (1): 1-11.
- Himberg, K., 2001. Phantasmen der Nase: Literarische Anthropologie eines hervorstechenden Organs. In: Bentien, C. & Wulf, C., *Korperteile: eine kulturelle Anatomie*, pp. 84-103.
- Huebschle, A.M., 2016. A game of horns: transnational flows of rhino horn. Dissertation published in Cologne, IMPRS-SPCE (Studies on the Social and Political Constitution of the Economy), pp. 1-424.



## General Literature – continued

- Johnson, L., 2015. Breaking the brand to stop the demand. *Animal Keepers Forum* 42 (4): 108-112.
- Kitade, T.; Toko, A., 2016. Settings suns: The historical decline of ivory and rhino horn markets in Japan. Traffic Report April: 1-96.
- Kottwitz, J.; Boothe, M.; Harmon, R.; Citino, S.B.; Zuba, J.R.; Boothe, D.M., 2016. Results of the megavertebrate analgesia survey: elephants and rhino. *Journal of Zoo and Wildlife Medicine* 47 (1): 301-310.
- Meijaard, E.; Nijman, V., 2014. Secrecy considerations for conserving Lazarus species. *Biological Conservation* 175: 21-24.
- Noack, R., 2011. Quiz: Bist du eher der Nashorn-Typ. *Klasse: Magazin fur Schule in Sachsen* 2011 (1): 12.
- Regan, H.M.; Ben-Haim, Y.; Langford, B.; Wilson, W.C.; Lundberg, P.; Andelman, S.J.; Burgman, M.A., 2005. Robust decision-making under severe uncertainty for conservation management. *Ecological Applications* 15 (4): 1471-1477.
- Ripple, W.J.; et al, 2015. Collapse of the world's largest herbivores. *Science Advances* 1 (4): 1-12.
- Saragusty, J.; Diecke, S., Drukker, M., Durrant, B., Friedrich Ben-Nun, I., Galli, C., Göritz, F., Hayashi, K., Hermes, R., Holtze, S., Johnson, S., Lazzari, G.; Loi, P., Loring, J. F., Okita, K., Renfree, M. B., Seet, S., Voracek, T., Stejskal, J., Ryder, O. A., Hildebrandt, T. B., 2016. Rewinding the process of mammalian extinction. *Zoo Biology* 2016 - early view - doi: 10.1002/zoo.21284.
- Save The Rhino International, 2013. Annual Review 2012-2013. London, SRI, pp. 1-16.
- Save The Rhino International, 2015. Impact report 2014-2015. London, SRI, pp. 1-16.
- Smith, L.O.; Porsch, L., 2015. The costs of illegal wildlife trade: elephant and rhino. A study in the framework of the EFFACE research project. Berlin, Ecologic Institute, pp. 1-35.
- Sorensen, C.A.E., 2015. Trophy hunting in the U.S. media: a macro- and micro-level frame analysis. Thesis presented to Erasmus Mundus, Budapest: pp. 1-115.
- Traffic, 2015. Seizures and prosecutions: Rhinoceros. *Traffic Bulletin* 27 (2): 70-72.
- Welzel-Philipp, H., 2014. *Emilia Neumann: Rhinoceros dreams* (Exhibition at Galerie Villa Koppe, Berlin, 2014). Berlin, pp. 1-20.
- Wyhe, J. van; Rookmaaker, L.C., 2015. *Alfred Russel Wallace: Letters from the Malay Archipelago*, 2nd edition in paperback. Oxford etc., Oxford University Press, pp. i-xxxii, 1-319 [ISBN: 9780199684007].

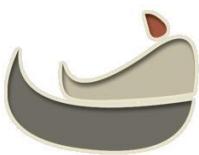




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## NEW PUBLICATIONS ON AFRICAN RHINOS

- Anonymous, 1893. A naturalist's treasure: a talk with F.C. Selous. *Illustrated London News* 1893 February 18: 215.
- Anonymous, 2006. Big five. *Sonangol Universo Angola* no.12: 24-29.
- Anonymous, 2012. Bergfelder kampfen gegen Nashorn-Wilderei: Ehepaar Geske grundet Verein fur Tierschutz in Afrika. *Brome - Boldecker Land* 3 January 2012: 14.
- Anonymous, 2012. Ein Horn fur 1.000.000 Dollar. *Tier Rundschau* 2012: 4-5.
- Anonymous, 2016. Northern white rhino dies in USA, leaving only three alive. *Oryx* 50 (2): 194-195.
- Anonymous, 2016. Rhino baby boom (Cotswold Wildlife Park & Garden). *Wild Talk* 2016 (1): 1.
- As, S. van; Linden, S.C. van der; Phillips, D.P.; Rous, K.G.; Duker, R.; Beyers, A.; Calitz, W.; Cowling, R.M.; Potts, A.J., 2016. Impending local extinction of Aloe ferox Mill. populations in the absence of elephants and black rhinos? *African Journal of Ecology* 2016: 1-3.
- Berg, A. van den, 2009. Verbazing om olifant, neushoorn en walvis: Willem de Clercq en de Amsterdamse kermis. *Ons Amsterdam* 2009 (10): 1-10.
- Bilchitz, D., 2016. Rhino hunting is not compatible with conservation. *Daily Maverick* 20 April 2016: 1-5.
- Bolton, M., 2015. Using the arms trade treaty to address wildlife poaching in East Africa: a human security approach. Report to Control Arms: pp. 1-18.
- Clauss, M.; Castell, J.C. ; Kienzle, E.; Schramel, P.; Dierenfeld, E.S.; Flach, E.J.; Behlert, O. ; Ortmann, S.; Streich, W.J.; Hummel, J.; Hatt, J.M., 2005. A contribution to the trace element nutrition of captive black rhinoceroses (*Diceros bicornis*). In Graffam W, Hellinga D, Maslanka M, Ward A, Eds. *Proceedings of the Sixth Conference on Zoo and Wildlife Nutrition*, AZA Nutrition Advisory Group, Om.
- Collins, K.; Ives, M.; Proust, N., 2013. Botswana rhino relocation and reintroduction project. *Wilderness Wildlife Trust Annual Report* 2013: 9.
- Coutts, N.J., 2009. Investigating genetic diversity at neutral and adaptive DNA markers in the severely bottlenecked Southern white rhinoceros (*Ceratotherium simum simum*). Ph.D. Thesis at the University of Cape Town, South Africa: pp. 1-146.
- Cubillas Hernandez, S.O.; Berovides Alvarez, V., 1999. Perdida de heterocigocidad y tamano efectivo de la poblacion en el rinoceronte blanco *Ceratotherium simun simun* (mammalia: rhinoceronthidae) del parque zoologico nacional de Cuba. *Revista Biología* 13 (1): 1-11.
- Damm, G.R., 2016. US court overturns bid to stop importation of Namibian rhino trophies. *African Indaba e-Newsletter* 14 (2): 16-18.
- Dupuis-Desormeaux, M.; Davidson, Z.; Mwololo, M.; Kisio, E.; Macdonald, S.E., 2016. Usage of specialized fence-gaps in a black rhinoceros conservancy in Kenya. *African Journal of Wildlife Research* 46 (1): 22-32.
- Dyott, G.M., 1923. After royal game in Nepal: rhinoceros-shooting. *Illustrated London News* 1923 September 8: 432.
- Emslie, R.; Knight, M., 2016. Prince William is talking sense - trophy hunting is crucial to conservation. *African Indaba e-Newsletter* 14 (2): 5-6.



## African Rhinos – continued

Firenze "La Specola", 2016. Il corno violato: il rinoceronte tra superstizione e estinzione. Con le opere di Cristiana Vitartali e le installazioni di Stefano Bombardieri. Exhibition in Florence, Italy from 16 March to 16 July 2016.

Frankfurt Zoological Society, 2015. North Luangwa Conservation Education Programme: Teacher's conservation guide. Frankfurt, pp. 1-95.

Gauthier, Y.; Gauthier, C., 2006. Nouveaux abris peints de l'Ennedi (Tchad). *Sahara* 17: 165-172.

Gautier, A.; Makowiecki, D.; Paner, H.; Neer, W.van, 2012. Palaeolithic big game hunting at HP766 in Wadi Umm Rahau, Northern Sudan. *Journal of African Archaeology* 10 (2): 165–174.

Giarola, A.; Serena, A., 2013. Gli spazi dello spettacolo popolare a Verona. Luoghi e riti delle meraviglie. In: Corpo Animali Meraviglie - Le Arti Circensi a Verona tra Sette e Novecento, pp. 15-22.

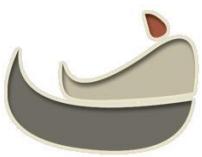


Griffiths, M.L., 2015. The illegal trade in endangered animals in KwaZulu-Natal, with an emphasis on rhino poaching. M.Sc.Thesis at the University of South Africa.

Grimshaw, J.M.; Cordeiro, N.J.; Foley, C.A.H., 1995. The mammals of Kilimanjaro. *Journal of East African Natural History* 84: 105-139.

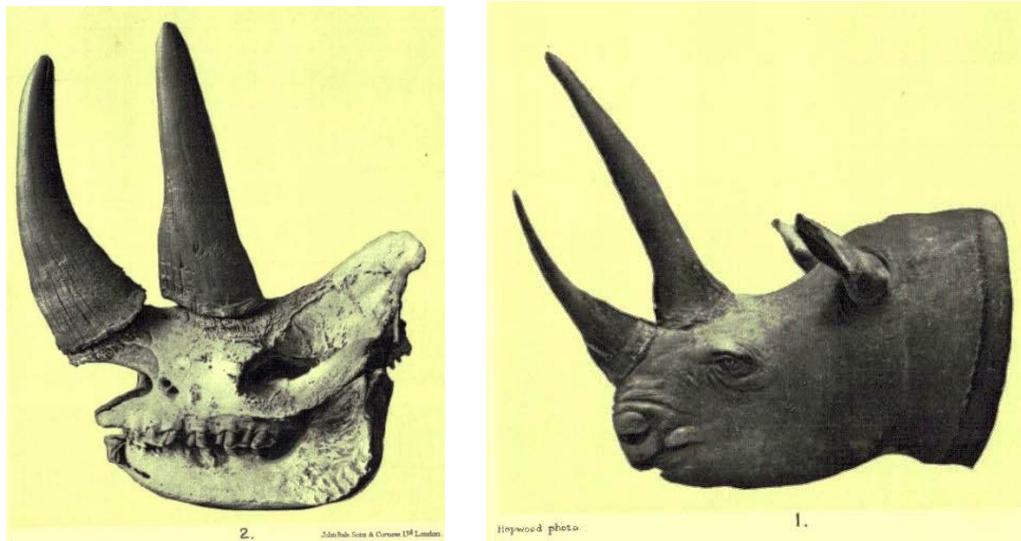
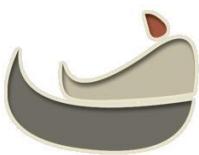
Gripper, J., 2015. Notes on the work in Sebakwe, Zimbabwe. *Sebakwe News* 2015 Winter: 1-18.

Groenendyk, J., 2009. Black is back (Zambia). *Africa Geographic* November 2008: 34-40.



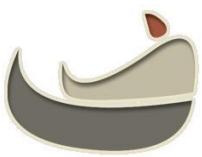
## African Rhinos – continued

- Gyongyi, K., 2014. Liwonde black rhino monitoring & protection project. *Wilderness Wildlife Trust Annual Report* 2014: 13.
- Gyongyi, K.; Badger, C., 2013. Liwonde rhino protection project. *Wilderness Wildlife Trust Annual Report* 2013: 10.
- Haigwood, J., 2015. Cutting edge conservation: Lewa Wildlife Conservancy - BFR success. *Animal Keepers Forum* 42 (4): 120-122.
- Henghali, J.N., 2006. Conservation attitudes and patterns of biodiversity loss in the Ohangwena and Oshikoto regions of Namibia. Thesis presented to the University of Namibia, pp. 1-139.
- Hermes, R.; Goeritz, F.; Walzer, C.; Blottner, S.; Silinski, S.; Schwarzenberger, F.; Joechle, W.; Cordes, M.; Hildebrandt, T.B., 2003. Improvement of male fertility by long-term beta-carotene supplementation in white rhinoceroses (*Ceratotherium simum*). In Ward A, Brooks M, Maslanka M, Eds. *Proceedings of the Fifth Conference on Zoo and Wildlife Nutrition*, AZA Nutrition Advisory Group, Minneapolis, MN.
- Hillman-Smith, K., 2014. The northern white rhinos. In: Hillman Smith, K., Kalpers, L.A. & Ortega, N. (eds) *Garamba: conservation in peace and war*. Nairobi, Authors, pp. 243-270.
- Hillman-Smith, K.; White, B., 2014. Northern white rhinos back to Africa. In: Hillman Smith, K., Kalpers, L.A. & Ortega, N. (eds) *Garamba: conservation in peace and war*. Nairobi, Authors, pp. 383-391.
- Houwald, F. von, 2016. Causes and prevention of foot problems in Greater one-horned rhinoceros *Rhinoceros unicornis* in zoological institutions. *International Zoo Yearbook* 50: 1-10.
- Huart, J.P.; Verschuren, J., 2014. Early history of conservation in Congo. In: Hillman Smith, K., Kalpers, L.A. & Ortega, N. (eds) *Garamba: conservation in peace and war*. Nairobi, Authors, pp. 101-114.
- Hunter, I., 2015. Mutant black rhinoceros has three horns: photographed by Jim Gibson in Etosha. Mail Online 31 December 2015.
- Interpol Environmental Crime, 2016. Organized crime networks behind ivory and rhino horn trafficking targeted in East Africa. Press release.
- Irmer, J., 2013. Die ewige Jagd aufs Horn. *Sud-Afrika* 2013 (1): 76-77.
- Ives, M.; Collins, K., 2014. Botswana rhino reintroduction and monitoring project. *Wilderness Wildlife Trust Annual Report* 2014: 9.
- Ives, M.; Collins, K., 2015. Botswana rhino reintroduction and monitoring project. *Wilderness Wildlife Trust Annual Report* 2015: 13-16.
- Jackson, A., 2016. Saving rhinos. *Australian Veterinary Journal* 94 (1/2): N22.
- Joorde, R., 2015. Roman forays into the interior of sub-Saharan Africa: the mysterious landscape of Agisymba. Private report: pp. 1-11.
- Kinuthi, W., 2015. Saving the rhino in Kenya. *Animal Keepers Forum* 42 (4): 124-125.
- Kleinert, C.; Till, R.; Baker, B., 2015. Archaeology and acoustics of rock gongs in the ASU BONE concession above the Fourth Nile Cataract, Sudan: a preliminary report. *Sudan & Nubia* 19: 106-115.
- Konstant, B., 2015. Go take a hike! Trekking for rhinos 2015. *Animal Keepers Forum* 42 (4): 126-129.



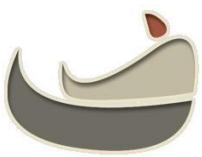
### African Rhinos – continued

- Lange, R. de, 2016. A crash of black rhino in the waves. *Africa Geographic Blog* 5 February 2016.
- Lewa Wildlife Conservancy, 2015. Annual report 2015. Kenya: LWC: pp. 1-24.
- Lewis, C.; Sayer, E.; DuToit, R.; Elsabé; Westhuizen, H. van der; Laurenson, K.; Coppinger, J., 2016. North Luangwa conservation programme. Frankfurt, Frankfurt Zoological Society.
- Lunstrum, E., 2013. Articulated sovereignty: Extending Mozambican state power through the Great Limpopo Transfrontier Park. *Political Geography* 36: 1-11.
- Lunstrum, E., 2015. Conservation meets militarisation in Kruger National Park: Historical encounters and complex legacies. *Conservation and Society* 13 (4): 356-369.
- MacDonald, M., 2016. International Coalition of rhino protection (ICORP). *Anais de Vida - Circle of Light* no.20: 24-28.
- Meyer, L.; Bengis, R.; Fowlds, W.; Goddard, A.; Hofmeyr, M.; Marais, J.; O'Dell, J.; Steenkamp, G.; Tordiffe, A.; Kock, M., 2015. Treatment of rhinoceros which have been poached using opioids and are found recumbent. Johannesburg, pp. 1-14.
- Miller, M.; Kruger, M.; Kruger, Marius; Olea-Popelka, F.; Buss, P., 2016. A scoring system to improve decision making and outcomes in the adaptation of recently captured white rhinoceroses (*Ceratotherium simum*) to captivity. *Journal of Wildlife Diseases* 52 (2) Supplement: S78-S85.
- Miller, M.; Michel, A.; Helden, P.van; Buss, P., 2016. Tuberculosis in rhinoceros: an underrecognized threat? *Transboundary and Emerging Diseases* 2016: 1-8.
- Mozambique Government, 2015. National rhino and ivory action plan (NIRAP) 2015-2016. Maputo, Ministry for the Coordination of Environmental Action, pp. 1-15.
- Nash, E., 2015. Prince Harry helps to fight the poachers. *OK Magazine* December 2015: 60-61.
- ODonoghue, P.; Rutz, C., 2016. Real-time anti-poaching tags could help prevent imminent species extinctions. *Journal of Applied Ecology* 53: 5-10.



## African Rhinos – continued

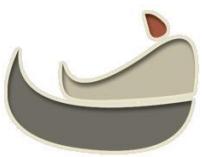
- Offord-Woolley, S.; Bamford, P.; Desforges, R., 2016. Developing an environmental-education programme using Black rhinoceros *Diceros bicornis* in Zambia as a case study. *International Zoo Yearbook* 50: 1-12.
- Olsson, S., 2015. A survey of the available browse for the black rhinoceros (*Diceros bicornis* ssp. *bicornis* Linnaeus, 1758) in a farmland area in the Kunene region, Namibia. Halmstad University, Bachelor's programme in Conservation and Diversity, pp. 1-14.
- Outram, G.H., 2010. An African hunter remembers, part 8: A surprise for the Wandorobo. *Old Africa* no.29: 24-26.
- Patton, F., 2016. CSI rhino - putting forensics into practice. *Swara, Nairobi* January-March 2016: 69-72.
- Patton, F., 2016. Polishing off rhinos - why chinese revere the horn. *Swara, Nairobi* April-June 2016: 38-41.**
- Pearthreee, P., 2015. Bowling for Rhinos. *Animal Keepers Forum* 42 (4): 106-107.
- Plotz, R.D.; Grecian, W.J.; Kerley, G.I.H.; Linklater, W.L., 2016. Standardising home range studies for improved management of the critically endangered black rhinoceros. *PLoS ONE* 11 (3): 1-17.**
- Power, M.M.L.; Tollefson, T.N.; Power, C.M.; Green, J.D., 2011. Milk composition of the white rhinoceros (*Ceratotherium simum*) through the first year of lactation. In Ward A, Coslik A, Maslanka M, Eds. Proceedings of the Ninth Conference on Zoo and Wildlife Nutrition, AZA Nutrition Advisory Group, Kansas City.
- Rainey, P.J., 1913. Big game and the cinematograph. *Country Life* 33, Jan 18: 80-82.
- Rhino Alive, 2016. Media statement: South Africa's missed opportunity to save the remaining rhino in the world. Johannesburg, pp. 1-3.
- Rooyen, Carla van, 2016. Incorporating an Earth Jurisprudence approach into South African environmental law for the protection of endangered species: Options and challenges. Thesis presented to the University of Stellenbosch, South Africa, pp. 1-146.
- SADC - Southern African Development Agency, 2015. Law enforcement and anti-poaching strategy 2016-2021 (final). Harare, SADC, pp. 1-75.
- Santymire, R.M.; Misek, S.; Gossett, J.; Kamhout, M.; Chatroop, E.; Rafacz, M., 2016. Male behaviours signal the female's reproductive state in a pair of black rhinoceros housed at Lincoln Park Zoo. *Journal of Zoo and Aquarium Research* 4 (1): 30-37.
- Schwab, T., 2016. Ein organisiertes Verbrechen: Der illegale Handel mit Elfenbein und Horn ist ein Geschäft mit hohen Profiten. Doch wie dagegen angehen? *Berliner Zeitung* 26 April 2016: 28.
- Shivute, B.A., 2008. Multi-scale assessment of habitat use by black rhinos (*Diceros bicornis* Linnaeus 1758) in Northwest Namibia. Thesis submitted to University of Namibia and Humboldt-Universität zu Berlin: pp. 1-104.
- Sidi, D., 2016. Rhino relocation strategies for rhino survival. Research Paper for University of Western Australia, pp. 1-12.
- Smith, M.L.R.; Humphreys, J., 2016. The poaching paradox: why South Africa's 'Rhino Wars' shine a harsh spotlight on security and conservation. In Brisman, A., South, N. and White, B., *Environmental crime and social conflict: contemporary and emerging issues*. London, Routledge, pp. 197-220.



---

## African Rhinos – continued

- South Africa Government, 2016. Finalized rhino matters for April 2015 to March 2016. Report: pp. 1-25.
- Standley, S.; Emslie, R., 2013. Population and poaching of African rhinos across African range states. London, Evidence on Demand, pp. 1-19.
- Suweon Kim, 2016. Rhino poaching and the border control in the SADC [in Korean]. *Journal of International Area Studies* 19 (3): 63-90.
- t Sas Rolfes, M., 2016. Rhino poaching: what is the solution? *African Indaba e-Newsletter* 14 (2): 28.
- t Sas Rolfes, M., 2016. Rhino poaching: what is the solution? *Solutions Journal* 7 (1): 38-45.**
- Taylor, W.A.; Lindsey, P.A.; Davies-Mostert, H., 2015. An assessment of the economic, social and conservation value of the wildlife ranching industry and its potential to support the green economy in South Africa. Johannesburg, The Endangered Wildlife Trust, pp. 1-164.
- Thonnerieux, Y., 2016. Un peu de repit pour les rhinoceros africains. *Revue CHARC (Le magazine de la chasse à l'arc)* 2016: 1-7.
- Uri-Khob, S., 2014. Save the Rhino Trust trackers support. *Wilderness Wildlife Trust Annual Report* 2014: 14.
- Valdez, R.G., 2015. Influence of habitat and anthropogenic disturbance on the diversity, distribution and abundance of large mammals: A case study across four adjacent wildlife conservation areas in Laikipia County, Kenya. Ph.D. thesis presented to George Mason University, pp. 1-150.
- Vegter, I., 2016. An anti-hunting idealogue on a flight of fancy. *African Indaba e-Newsletter* 14 (2): 10-12.
- Verschuren, J., 2014. Garamba National Park, a threatened marvel: early research and conservation. In: Hillman Smith, K., Kalpers, L.A. & Ortega, N. (eds) *Garamba: conservation in peace and war*. Nairobi, Authors, pp. 153-166.**
- Vilikovská, Z., 2014. Bojnice zoo burned rhinoceros horns to stress poaching. *The Slovak Spectator*, 3 nov. 2014, 1 fig.
- Walker, B., 2012. SOS Rhino: the menace and the promise. *Endeavour Magazine* October 2012: 19-23.
- Ward, A.M.; Coslik, A.H.; Slifka, K.; Meehan, T.; Griffin, M.; Maslanka, M.T., 2011. Dietary iron absorption and the role of tannins in Eastern (Diceros bicornis michaeli) and Southern black rhinoceros (Diceros bicornis minor). In Ward A, Coslik A, Maslanka M, Eds. Proceedings of the Ninth Conference on Zoo and Wildlife Nutrition, AZA Nutrition Advisory Group, Kansas City, MO.
- Wedd, L., 2011. I lassoed rhinos with a rope (1959). *Old Africa* no. 34: 5-7.
- Wels, H., 2015. *Securing wilderness landscapes in South Africa: Nick Steele, private wildlife conservancies and saving rhinos*. Leiden, Brill (Afrika Studiecentrum Series, vol. 34), pp. i-xiii, 1-163.
- Wildlife and Environmental Society of South Africa, 2012. Saving rhinos. *EnviroKids* 33 (4): 1-32.

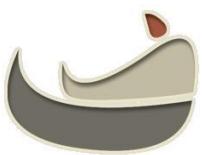


## NEW PUBLICATIONS ON ASIAN RHINOS

- Baruah, C.; Bhuyan, S.K.; Sharma, D.K., 2013. Emerging trends in wildlife trade in Northeast India: a serious concern. *Asian Journal of Conservation Biology* 2 (2): 86-87.
- Bhattacharyya, B.K., 1991. Studies on certain aspects of the biology of the one horned rhino, *Rhinoceros unicornis*. Thesis submitted to Gauhati University, Assam, India, pp. 1-313.
- Borah, M.P.; Prasad, S.B., 2016. Ethnozoological remedial uses by the indigenous inhabitants in adjoining areas of the Pobitora Wildlife Sanctuary, Assam, India. *International Journal of Pharmacy and Pharmaceutical Sciences* 8 (4): 1-7.
- Borneo Rhino Sanctuary (BRS) Programme, 2015. Six-monthly report (no.23-24): covering the period July-December 2015. Kota Kinabalu, Borneo Rhino Alliance, pp. 1-5.
- Borthakur, U.; Das, P.K.; Talukdar, A.; Talukdar, B.K., 2016. Noninvasive genetic census of greater one-horned rhinoceros *Rhinoceros unicornis* in Gorumara National Park, India: a pilot study for population estimation. *Oryx* 2016 First View: 1-8.
- Dalla, S.K., 2012. Pictures don't lie: an Orang odyssey. *Sanctuary Asia* April 2012: 46-49.
- Dangol, B.R., 2015. Illegal wildlife trade in Nepal: a case study from Kathmandu Valley. Thesis presented to Norwegian University of Life Sciences (NMBU), As, Norway, pp. 1-63.
- Das, Puranjit, 2014. Genetic diversity of Indian rhinoceros, *Rhinoceros unicornis* (Lin, 1758). Thesis presented to Gauhati University, Assam, India, pp. 1-264.

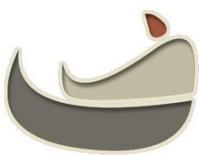


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## Asian Rhinos – continued

- Do Thi Thanh Huyen; Bui Huu Manh, 2011. Consumption of wild animal products in Ho Chi Minh City, Vietnam - Results of resident and student survey. Ho Chi Minh City. Vietnam, Wildlife at Risk, pp. 1-58.
- Ellis, S., 2015. How BFR is saving Indonesian rhinos. *Animal Keepers Forum* 42 (4): 114-117.
- Gee, E.P., 1964. Chased by a rhino!. *Animals* 3 (23): 626-631, 5 figures.
- Gschwend, A.J., 2000. A masterpiece of Indo-Portuguese art: the mounted rhinoceros cup of Maria of Portugal, Princess of Parma. *Oriental Art* 46 (3): 48-58.
- Hariyadi, A.R., 2015. Assessment of Halimun-Salak National Park as a potential site for establishing the second population of Javan rhinoceros (*Rhinoceros sondaicus*). Report: pp. 1-15.
- Haryono, M.; Miller, P.S.; Lees, C.; Ramono, W.; Purnomo, A.; Long, B.; Sectionov; Waladi Isnain, B.D.; Aji, B.D.; Talukdar, B. ; Ellis, S., 2016. Population and Habitat Viability Assessment for the Javan Rhino (11-13 February 2015, Taman Safari, Cisarua, West Java, Indonesia). Apple Valley, MN: IUCN/SSC Conservation Breeding Specialist Group, pp. 1-70.**
- Hoogerwerf, A., 1953. Nature protection in the Indonesian archipelago (Netherlands Indies). Proceedings of the Seventh Pacific Science Congress of the Pacific Science Association 4 (Zoology): 597-605.
- Jha, D.K.; Kshetry, N.T.; Pokharel, B.R.; Panday, R.; Aryal, N.K., 2015. Comparative study of some morphological and microscopic identifying features of genuine rhino (*Rhinoceros unicornis*) horns and fake horns. *Journal of Forensic Research* 6 (6): 1-5.
- Khadka, D.; Niraula, S., 2016. Relocation of rhinos (to Bardia National Park). *Headlines Himalaya* no. 393: 2.
- Kraus, W., 2005. Chinese Influence on Early Modern Indonesian Art ? Hou Qua: a Chinese Painter in 19th-century Java. *Archipel* 69: 61-86.
- Kretzschmar, P.; Kramer-Schadt, S.; Ambu, L.; Bender, J.; Bohm, T.; Ernsing, M.; Goeritz, F.; Hermes, R.; Payne, J.; Schaffer, N.; Thayaparan, S.T., Zainuddin, Z.Z., Hildebrandt, T.B., Hofer, H., 2016. The catastrophic decline of the Sumatran rhino (*Dicerorhinus sumatrensis harrissoni*) in Sabah: Historic exploitation, reduced female reproductive performance and population viability. *Global Ecology and Conservation* 6: 257-275.**
- Kroeger, J., 2004. On Mahmud b. Ishaq al-Shihabi's Manuscript of Yusuf va Zulaykh of 964 (1557). *Muqarnas: An Annual on the Visual Culture of the Islamic World* 21: 239-254.
- Marck, K.W., 2016. Het spiertje van Albinus (EDBM): a 'be aware of' voor iedere operateur van handen. *Nederlands Tijdschrift voor Plastische Chirurgie* 2016 (1): 21-24.
- Menon, V., 2014. Indian mammals: a field guide. Delhi, Hachette.**
- Menon, V.; Daniel, J.C., 2003. *A field guide to Indian mammals*. Delhi, Dorling Kindersley.
- Monegon, E., 2006. New knowledge of strange things: exotic animals from the West. *Disquisitions on the Past & Present* no. 15: 39-48.



Kalimantan – rhino found in an unexpected place

## Asian Rhinos – continued

Muslim, A.; Nurdjali, B.; Dewantara, I., 2015. Habitat and study of feed Sumatran rhino (*Dicerorhinus sumatrensis*) in Kutai Barat and Mahakam Ulu East Kalimantan. *Jurnal Hutan Lestari* 4 (1): 625-630.

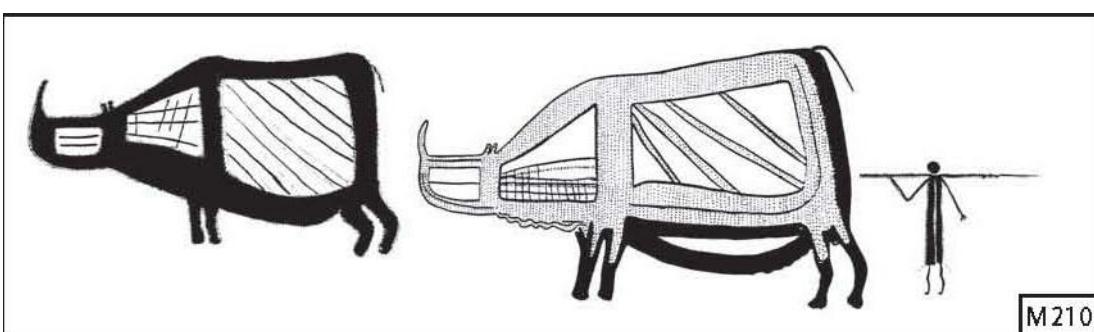
Nandi, N.C.; Venkataraman, K.; Bhuiyani, S.; Das, S.R.; Das, S.K., 2005. Wetland faunal resources of West Bengal, 4. Darjiling and Jalpaiguri districts. *Records of the Zoological Survey of India* 104 (1-2): 1-25.

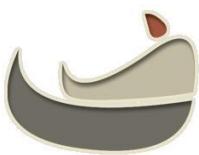
Nepal Dept National Park, 2013. Chitwan National Park and its buffer zone, Management Plan 2013-2017. Kathmandu, pp. 1-192.

Nepal Government, 2002. Nepal biodiversity strategy. Kathmandu, pp. 1-196.

Nepal Government, 2012. Chitwan National Park - Annual report 2011/2012. Kathmandu.

Neumayer, E., 2011. *Rock art of India: the prehistoric cave-art of India*. Oxford, Oxford University Press.





---

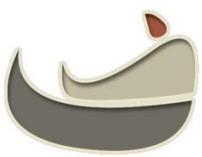
## Asian Rhinos – continued

- Peacock, E.H., 1932. Two of the finest animals found in Burma's forests. *Field* 1932 February 6: 183.
- Qi Donfang, 2011. Gold and silver wares on the Belitung shipwreck. In: *Shipwrecked: Tang treasures and monsoon winds*. Smithsonian Books: pp. 220-227.
- Sarma, P.K., 2010. Habitat suitability for rhino (*Rhinoceros unicornis*) and utilization pattern in Rajiv Gandhi Orang National Park of Assam. Thesis presented to the North Eastern Hill University, Shillong, pp. 1-351.
- Scarisbrick, D.; Wagner, C.; Boardman, J., 2016. *The Guy Ladriere collection of gems and rings*. London, Philip Wilson, pp. i-xvi, 1-301.
- Sherwell, P., 2016. Revealed: the Laos market selling ivory carvings and ‘medicinal’ rhino horn from slaughtered wildlife to Chinese buyers. *Telegraph Online* 17 April 2016: 1-8.
- Singh, R.K.; Srivastava, U.C.; Nasir, M., 2015. Management of impaction in greater one horned rhinoceros. *Zoo's Print* 30 (12): 15-17.
- Somers Heidhues, M., 2005. An Early Traveler's Compendium : Caspar Schmalkalden 's Images of Asia. *Archipel* 70: 145-184.
- Stapp, J.R.; Lillieholm, R.J.; Leahy, J.; Upadhyaya, S., 2016. Linking attitudes, policy, and forest cover change in buffer zone communities of Chitwan National Park, Nepal. *Environmental Management* 57: 1292–1303.



Talukdar, B.K., 2016. Status of Asian rhinos and key conservation measures. Report to IRF, pp. 1-10.

Taylor, B., 2013. Unicorn versus rhinoceros (Father Benito Feijoo). European Studies Blog 21 October 2013.



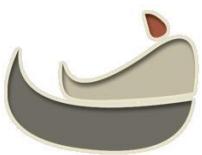
## Asian Rhinos – continued

- Thapa, R., 2016. Poaching statistics of Rhinoceros unicornis in Chitwan National Park, Nepal: A review. *International Journal of Applied and Natural Sciences* 5 (3) April-May: 29-34, 2 figures.
- Woollaston, V., 2016. Sumatran rhino dies weeks after landmark discovery [in Kalimantan] due to an infection in her leg. Mail Online 5 April 2016.
- Zhigang Jiang; Shaopeng Cui; Chunwang Li, 2016. Where are the suitable introduction sites of greater one-horned rhinoceros Rhinoceros unicornis in China? *Biodiversity Science* 24 (3): 355-357.

## NEW PUBLICATIONS ON FOSSIL RHINOS

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

- Anonymous, 2014. 13,300 year old spear made of woolly rhinoceros horn found on arctic island. *The Siberian Times* September 30, 2014: 1-8, 8 figures.
- Bestwick, J.; Smith, A.S., 2015. Creswell Crags fossil material in the Nottingham Natural History Museum, Wollaton Hall, UK. *Geological Curator* 10 (4): 181-192.
- Bougariane, B.; Zouhri, S.; Ouchoua, B.; Ouja, A.; Boudad, L., 2010. Large mammals from the Upper Pleistocene at Tamaris I “Grotte des gazelles” (Casablanca, Morocco) – Paleoecological and biochronological implications. *Historical Biology* 22 (1-3): 295-302.
- Codrea, V.A.; Venczel, M., 2016. A Middle Miocene rhinoceros find in Transylvania: 19th century forgotten correspondence. *Studia UBB Geologia* 60 (1): 43 – 47.
- Faith, J.T.; Tryon, C.A.; Peppe, D.J., 2016. Environmental change, ungulate biogeography, and their implications for early human dispersals in Equatorial East Africa. In: Jones, S.C. & Stewart, B.A., *Africa from MIS 6-2: Population dynamics and paleoenvironments*: pp. 233-246.
- Geraads, D.; Lehmann, T.; Peppe, D.J.; McNulty, K.P., 2016. New Rhinocerotidae from the Kisingiri localities (lower Miocene of Western Kenya). *Journal of Vertebrate Paleontology*: DOI:10.1080/02724634.2016.1103247.
- Liesowska, A., 2015. Sasha, the world's only baby woolly rhino is 34,000 years old, say scientists. *The Siberian Times* 8 September 2015: 1-11, 12 figures.
- Made, J. van der, 2015. Caune de l'Arago: human fossils, archaeology and, last but not least, a long sequence of large mammal faunas. In: Lumley, H.de (ed). *Caune de l'Arago*, Tautavel-en-Roussillon, Pyrenees-Orientales, France, vol. 6, pp. 623-628.
- Miljkovic, B., 2012. The Serbian panagiaron from Vatopedi. *Recueil des travaux de l'Institut d'études byzantines* 49: 355-364.
- Pandolfi, L.; Gasparik, M.; Magyar, I., 2016. Rhinocerotidae from the Upper Miocene deposits of the Western Pannonian Basin (Hungary): implications for migration routes and biogeography. *Geologica Carpathica* 67 (1): 69-82.



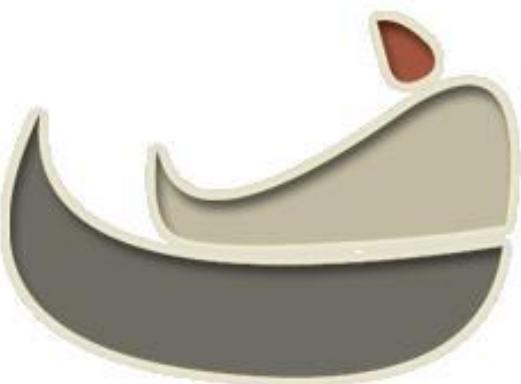
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## Fossil Rhinos – continued

- Pavia, M.; Zunino, M.; Coltorti, M.; Angelone, A.; Arzarello, M.; Bagnus, C.; Bellucci, L.; Colombero, S.; Marcolini, F.; Peretto, C.; Petronio, C., Petrucci, M., Pieruccini, P., Sardella, R., Tema, E., Villier B., Pavia, G., 2012. Stratigraphical and palaeontological data from the Early Pleistocene Pirro 10 site of Pirro Nord (Puglia, south eastern Italy). *Quaternary International* 267: 40-55.,
- Pinto Llona, A.C.; Pellejero Uson, I.; Val Molina, S., 2006. El rinoceronte fósil del "Pozu La Peruyal" (Onís, Asturias) - The fossil rhinoceros from "POZU La Peruyal" Cave (Onís, Asturias). Sautuola (Instituto de Prehistoria y Arqueología "Santillana"), Santander 12: 409-420.
- Prasad, K.N., 1998. Pleistocene cave fauna from Peninsular India. *Journal of Caves and Karst Studies* 58 (1): 30-34.
- Tong, H.; Chen, X.; Zheng, M., 2016. New knowledge about the early woolly rhinos. Abstract book of the 5th Geological-Palaeontological-Archaeological Discussion 2016, Gánovce - Poprad, p.30.
- Varilová, Z., 2013. Po stopách mamutu v Ústí nad Labem [Mammoth footprints at Ústí nad Labem] [in Czech] (in: *Príspevky k Ústecké Vlastivede*). Císařské Muzeum města Ústí nad Labem, 6: 22-29.



## Contact us:

Rhino Resource Center  
Dr Kees Rookmaaker

c/o IUCN Species Survival Programme  
219c Huntingdon Road  
Cambridge CB3 0DL  
United Kingdom

Dr Kees Rookmaaker 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 2016.

Email: rhinorrc [at] gmail.com