

## RHINO RESOURCE CENTER

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

# **NEWSLETTER #46**

## **MARCH 2017**

Dear colleagues and friends,

This is the 46th issue of the quarterly e-newsletter of the Rhino Resource Center. Edited by Dr Kees Rookmaaker.

Edited by Dr Kees Rookmaaker.

The total number of references in the collection of the RRC now stands at **20,920**. This is an increase of 110 items in the last quarter. **Over 20,500 references are available as PDF on RRC website**

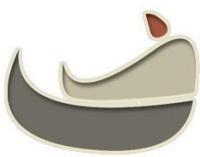


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Founding Chairman: Dr. Nico J. van Strien



# RRC NEWSLETTER

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## OUR EXECUTIVE TEAM

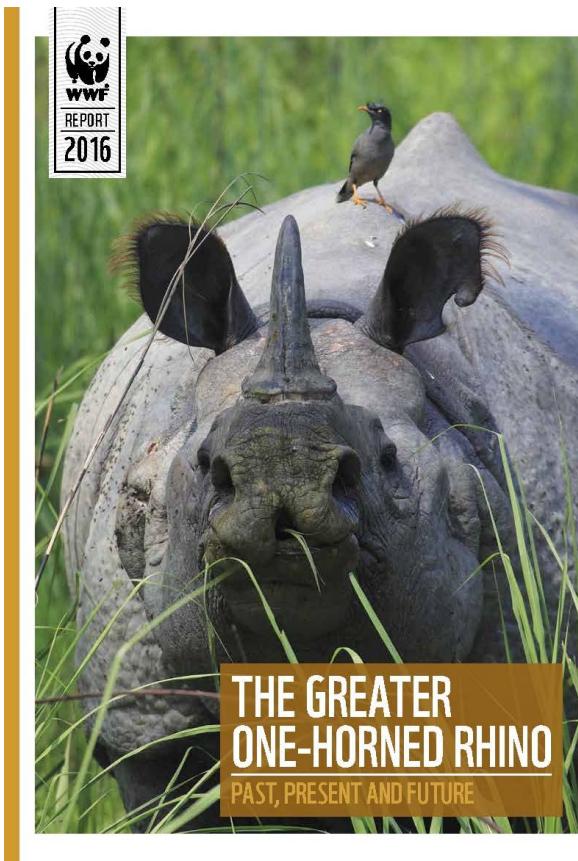
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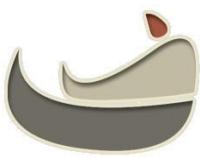
## RHINO REPORT LAUNCHED IN ASSAM AND NEPAL

A concise report on the history and conservation of the Greater One-Horned Rhinoceros was produced by WWF staff. It is well worth reading and can be found [here](#).



*The Greater One Horned Rhino: Past, Present and Future* was officially released in a small function in Guwahati, India by the Hon. Forest Minister of Assam, Mrs Pramila Rani Brahma on 2 January 2017. The program was attended by Sri Paban Barthakur (Principal Secy. Forest Govt of Assam), Sri Bikash Brahma (PCCF & HOFF (I/c)) and the Chief Wildlife Warden Assam. Sri M.C. Malakar Retd, Chief Wildlife Warden Assam along with a host of senior officials of the Assam Forest Department and others. Dr Anupam Sarma and Sri Amit Sharma were present in the program from WWF India.

The report was also released in Nepal in February 2017 during a function celebrating the absence of rhino poaching in Nepal for 1000 days.



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## FORTHCOMING MEETINGS

IRKA has announced the next *Rhino Keepers Workshop*  
Presented by the International Rhino Keepers Association  
Hosted by Denver Zoo on 7-11 August 2017.

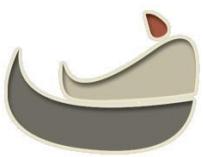


Photo: Varun Mani. 2017

## VISIT TO RHINOS IN THE MIST IN CHITWAN, NEPAL

Two times before I had tried to reach Chitwan from Kathmandu, the capital of Nepal, unsuccessful due to adverse weather. Third time lucky, I reached and was able to see a dozen rhinos from a jeep, a boat and an elephant. It will always be a fantastic experience to see a rhinoceros in the wild. In the morning mist which hangs over the park in the mornings this time of the year, they look superbly prehistoric, yet at ease in this modern day. I enjoyed my days in the jungle thanks to expert naturalist guides at the Meghauli Serai (Taj) and the other staff at the camp. By chance we saw a fight between a male and a female who had a calf, almost disturbingly fierce and accompanied by shrieks and bellows which can only be heard on such occasions. Both animals stood their ground, but the tension was released after a few minutes of aggressive behaviour.

Kees Rookmaaker



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## OUR SPONSORS

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



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



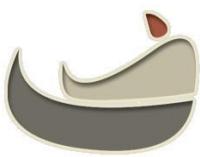
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We are grateful to all individuals who show their appreciation by their donation.  
Thank you very much.

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



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## CONTENTS OF THE RHINO RESOURCE CENTER

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

RRC	2016 March	2016 June	2016 Sept	2016 Dec	2017 March	ANNUAL INCREASE
References	20,020	20,250	20,511	20,810	<b>20,920</b>	+ 900
PDF files	19,754	20,000	20,209	20,487	<b>20,600</b>	+ 846
Images	3,755	3,800	3,831	3,900	<b>3,910</b>	+ 155
Members	2,689	2,924	3,016	3,108	<b>3,300</b>	+ 611

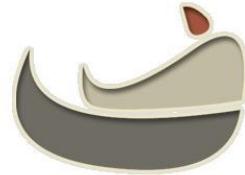
I thank everybody who has helped us by sending copies of books and papers.

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](#)

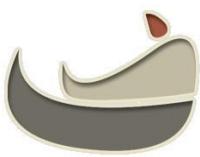


The Rhino Resource Center is an essential tool for

- 👉 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 27 February 2017)

In this quarter (December 2016 to February 2017), we have added 110 new references, to bring the total number of items in the database to **20,920**.

Of these, 20,600 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.

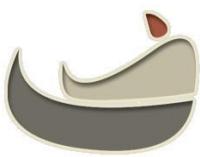
**This quarter saw the publication of some pivotal papers and reports,  
all well worth the attention for anybody interested in rhinos.**

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

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

### NEW GENERAL PUBLICATIONS

- Burgess, G., 2016. Powers of persuasion? Conservation communications, behavioural change and reducing demand for illegal wildlife products. *Traffic Bulletin* 28 (2): 65-73.
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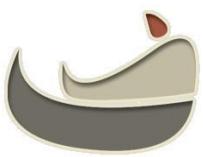
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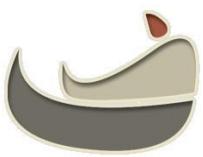
## NEW PUBLICATIONS ON AFRICAN RHINOS

- Anderson, N., 2016. Zimbabwe: baby step's forward. *The Horn (Save the Rhino International)* Autumn 2016: 8.
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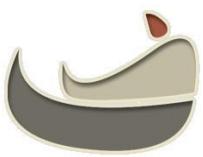
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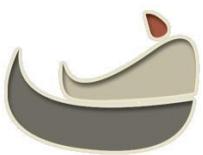


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## Asian Rhinos – continued

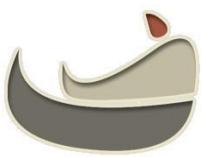
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- Cincinnati Zoo and Botanical Garden, 2001. Monumental birth at the Cincinnati Zoo. *Animal Keeper's Forum* 28 (10-11): 396-399, 3 plates.
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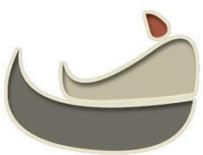
## Asian Rhinos – continued

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## NEW PUBLICATIONS ON FOSSIL RHINOS

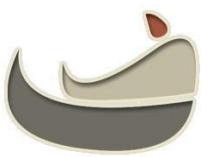
Section edited by Emmanuel Billia, Dan Ziegler and Athanassios Athanassiou.

- Anzidei, A.P.; Bulgarelli G.M.; Cerilli, E.; Milli, S.; Palombo, M.R.; Santucci, E., 2011. La Polledrara di Cecanibbio nel contesto stratigrafico del Pleistocene del Bacino Romano (in Milli S., Palombo M.R. & Anzidei A.P., eds: I Depositi Pleistocenici di Ponte Galeria e la Polledrara di Cecanibbio) Il Quaternario Italiano-Conoscenze e Prospettive, Congresso INQUA Roma 2001: pp. 28-33, 3 figs.
- Arribas, A.; Garrido, G.; Viseras, C.; Soria, J.M.; Pla, S.; Solano, J.G.; Garcé, M. ; Beamud, E.; Carrió, J.S., 2009. A mammalian lost world in Southwest Europe during the Late Pliocene. *PLoS ONE* 4 (9): e7127, 6 figs [doi:10.1371/journal.pone.0007127].
- Bai, Bin; Wang, Yuan-Qing, 2012. Proeggysodon gen. nov., a primitive Eocene eggysodontine (Mammalia, Perissodactyla) from Erden Obo, Siziwangqi, Nei Mongol, China. *Vertebrata PalAsiatica, Beijing* 50 (3): 204-218, 3 figs.
- Ballatore, M., 2016. Palaeoecological investigations on plio-pleistocene European rhinoceroses (genus Stephanorhinus): powder X-Ray diffraction, carbon isotope geochemistry, tooth wear analyses and biometry. *Plinius* 42: 16-19.
- Ballatore, M.; Breda, M., 2016. Stephanorhinus elatus (Rhinocerotidae, Mammalia): proposal for the conservation of the earlier specific name and designation of a lectotype. *Geodiversitas* 38 (4): 579-594.
- Billia, E.M.E.; Zervanová, J., 2015. Stephanorhinus kirchbergensis (Jäger, 1839) (Mammalia, Rhinocerotidae) from Vernasso (Udine, NE Italy) and other localities in adjacent areas with reports on Oligo-Mio-Pliocene rhinoceroses – An essai de synthèse. *Gortania–Geologia, Paleontologia, Paletnologia (Atti del Museo Friulano di Storia Naturale di Udine)*, Udine 37: 43-63, 12 figs, 1 tab.
- Boeskorov, G.G.; Mol, D., 2004. Quaternary Mammal Collections in the Museums of Yakutsk (Eastern Siberia, Yakutia, Russia). *Cranium* 21 (1-2): 19-32, 25 figs.



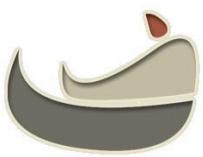
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- Chernova, O.F.; Protopopov, A.V.; Perfilova, T.V.; Kirillova, I.V.; Boeskorov, G.G., 2016. Hair microstructure of the first time found calf of woolly rhinoceros *Coelodonta antiquitatis*. *Doklady Biological Sciences* 471 (1): 291-295.
- Garrido, G.; García Solano, J.A.; Viseras, C.; Soria, J.M.; Arribas A., 2009. Taphonomic approach to Fonelas P-1 site (late upper Pliocene, Guadix basin, Granada) - Descriptive taphonomic characters related to hyaenid activity. Proc. of “1<sup>a</sup> Reunión de Científicos sobre Cubiles de Hiena (y otros grandes carnívoros) en los Yacimientos Arqueológicos de la Península Ibérica”, Museo Arqueológico Regional i Institut Català de Paleoecología Humana i Evolució Social: pp. 133-146, 11 figs, 1 tab.
- Girotti, O.; Capasso Barbato, L.; Esu, D.; Glioza, E.; Kotsakis, T.; Martinetto, E.; Petronio, C.; Sardella, R.; Squazzini, E., 2003. The section of Torre Picchio (Terni, Umbria, central Italy) - A Villafranchian site rich in vertebrates, molluscs, ostracods and plants. *Rivista Italiana di Paleontologia e Stratigrafia, Milano* 109 (1): 77-98, 6 figs, 2 Pls.
- Haibing Wang; Bin Bai; Jin Meng; Yuanqing Wang, 2016. Earliest known unequivocal rhinocerotoid sheds new light on the origin of Giant Rhinos and phylogeny of early rhinocerotoids. *Scientific Reports* 6:39607 | DOI: 10.1038/srep39607: 1-9.
- Hashemi, N.; Ashouri, A.; Aliabadian, M.; Gharaie, M.H.M.; Sánchez Marco, A.; Louys, J., 2016. First report of Quaternary mammals from the Qalehjough area, Lut Desert, Eastern Iran. i 19.3.44A: 1-12.
- Kirillova, I.V.; Chernova, O.F.; Kukarskikh, V.V.; Shidlovskiy, F.K.; Zanina, O.G., 2016. The first finding of a rhinoceros of the Genus Stephanorhinus in Arctic Asia. *Doklady Biological Sciences* 471 (1): 300–303.
- Koenigswald, W. v., 2016. Specialized wear facets and late ontogeny in mammalian dentitions. *Historical Biology* 2016 (DOI: 10.1080/08912963.2016.1256399): 1-23 .
- Lucas, S.G., 1996. Fossil mammals and the age of the Changxindian Formation, Northeastern China (in Godinot M. & Gingerich P.D., eds: Jubil. D.E. Russell). *Palaeovertebrata*, Montpellier 25 (2-4): 133-140, 2 figs, 1 Pl.
- Lugli, F.; Cipriani, A.; Peretto, C.; Mazzucchelli, M.; Brunelli, D., 2016. In situ high spatial resolution  $^{87}\text{Sr}/^{86}\text{Sr}$  ratio determination of two Middle Pleistocene (c.a. 580 ka) Stephanorhinus hundsheimensis teeth by LA-MC-ICP-MS. *International Journal of Mass Spectrometry* 2016.
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- Pandolfi, L.; Erten, H., 2016. Stephanorhinus hundsheimensis (Mammalia, Rhinoce-rotidae) from the late early Pleistocene deposits of the Denizli Basin (Anatolia, Turkey). *Geobios* 2016, <http://dx.doi.org/10.1016/j.geobios.2016.10.002>: 1-24.



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- Peretto C. et al., 2016. The Middle Pleistocene site of Guado San Nicola (Monteroduni, Central Italy) on the Lower/Middle Palaeolithic transition. *Quaternary International* 411: 301-315.
- Shpansky, A.V.; Svyatko, S.V.; Reimer, P.J.; Titov, S.V., 2016. Records of Bison priscus Bojanus (Artiodactyla, Bovidae) skeletons in Western Siberia. *Russian Journal of Theriology, Moskva* 15 (2): 100-120, 11 figs, 9 tabs.
- Szabó, P.; Kocsis, L.; Vennemann, T.; Pandolfi, L.; Kovács, J.; Martinetto, E.; Demény, A., 2017. Pliocene–Early Pleistocene climatic trends in the Italian Peninsula based on stable oxygen and carbon isotope compositions of rhinoceros and gomphothere tooth enamel. *Quaternary Science Reviews* 157: 52-65.
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- Viseras, C.; Soria, J.M.; Durán, J.J.; Pla, S.; Garrido, G.; García-García, F.; Arribas, A., 2006. A large-mammal site in a meandering fluvial context (Fonelas P-1, Late Pliocene, Guadix Basin, Spain) – Sedimentological keys for its paleoenvironmental reconstruction. *Palaeogeography, Palaeoclimatology, Palaeoecology* 242: 139-168, 10 figs, 3 tabs.
- Wang, Bian, 2016. Reconstructing the paleoecology and biogeography of rhinoceroses (Mammalia: Rhinocerotidae) in the Great Plains of North America, leading up to their extinction in the Early Pliocene. M.S. Thesis, Department of Earth and Atmospheric Sciences, University of Nebraska-Lincoln, Lincoln, Nebraska, USA.

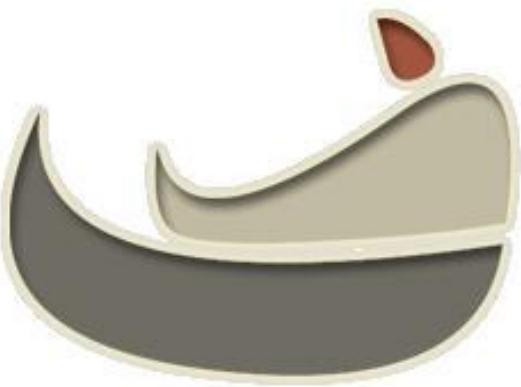


# RRC NEWSLETTER

ISSUE NO. 46

MARCH 2017

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