

RHINO RESOURCE CENTER

www.rhinoresourcecenter.com

NEWSLETTER #49 DECEMBER 2017

Dear colleagues and friends,

This is the 49th 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 **22,130**. This is an increase of 580 items in the last quarter. Over 21,850 references are **available** as PDF on RRC website

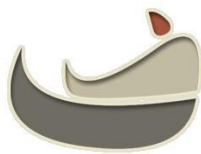


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The Rhino Resource Center is a Charity (Registered KvK Utrecht 30185802)
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CHRONICLES OF THE RHINOCEROS IN SOUTH ASIA

Over the past month, I have started on a comprehensive history of anything related to the existence of the rhinoceros in the South Asian subcontinent. This is a region of great importance for the survival of the Indian Rhinoceros which is only found here in Nepal and India. It is also a region which once also had populations of the other two Asian species, the Javan Rhinoceros and the Sumatran Rhinoceros. The extent of their former ranges is often misrepresented, or at least I think they are, largely because the records about their existence are so few and so hard to place in context.

Many people in past centuries have interacted with the rhinoceros in areas of Pakistan, India, Nepal and Bangladesh. The animal has been hunted, photographed, captured, sketched or painted or sculptured, or observed by large numbers of people from many backgrounds and countries. I am trying to combine all these experiences to understand the past, present and future of these animals. A summary of the report which started my work on this particular set of data was published as a WWF Report in 2017, available as: [The Greater One-Horned Rhino: past, present and future](#).

My investigation includes all published references, information about specimens in museums and in zoological establishments around the world, old photographs and art works. What we know is now only the tip of some unknown mountain of information which has been lost. There must be many people whose reminiscences are tucked away in some field notebook or hunting journal, there must be many trophies still hanging on the walls of country houses, there must be photographs or sketches yet to be found.

Of course, any help from readers of this newsletter will be a great support.

One day, in the not too-far future, I hope to be able to combine all data which will help us in the conservation of all rhinos in South Asia.

Kees Rookmaaker

So sad. Colin Groves passed away on 30 November 2017 in his home in Canberra, Australia. For many years he lived with his sickness, while producing an incredible number of publications on the taxonomy of mammals and related subjects. He was a kind man, always ready to help others. My condolences go out to his wife Phyll.

Colin Groves (1942-2017)



PACHYDERM – ISSUE 58 OF 2017

The journal of the IUCN/SSC Specialists Groups of African Elephants, African and Asian Rhinos has produced a bumper issue this year. The journal is peer-reviewed and accepts contributions from many people working in the field who want to share their experiences.

New submissions on rhinos are now accepted for the next issue.

The journal is available free and open access online – [click here](#).

The papers on rhinos are listed below. There is also much of interest on elephant biology and conservation. The journal is edited by Susie Goss, with help of two section editors, Deborah Gibson (Elephants) and Kees Rookmaaker (Rhinos)

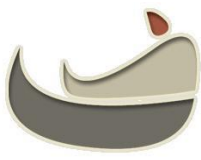
Pachyderm

July 2016–June 2017

Number 58



- Knight, M.H. - African Rhino Specialist Group report. *Pachyderm* 58: 17-35
Talukdar, B.K. - Asian Rhino Specialist Group report. *Pachyderm* 58: 36-39
Gyöngyi, K.; Elmeros, M. - Forage choice of the reintroduced black rhino and the availability of selected browse species at Majete Wildlife Reserve, Malawi. *Pachyderm* 58: 40-50
Dutta, D.K.; Sharma, A.; Mahanta, R.; Swargowari, A. - Behavior of post released translocated greater one-horned rhinoceros (*Rhinoceros unicornis*) at Manas National Park, Assam, India. *Pachyderm* 58: 58-66
Mukhlisi; Atmoko, T.; Yassir, I.; Setiawan, R.; Kusuma, A.D. - Abundance and nutrient content of some food plants in Sumatran rhino habitat in the forest of Kutai Barat, East Kalimantan, Indonesia. *Pachyderm* 58: 77-87
Vigne, L. - A tale of two African cities–Ivory trade comparisons in Khartoum/Omdurman and Addis Ababa. *Pachyderm* 58: 88-96
Tubbs, C.W.; Durrant, B.S.; Milnes, M.R. - Reconsidering the use of soy and alfalfa in southern white rhinoceros diets. *Pachyderm* 58: 135-139
Offord-Woolley, S. - The Chi Initiative: A behaviour change initiative to reduce the demand for rhino horn in Viet Nam. *Pachyderm* 58: 144-147
Goss, S. - (Review) Vietnam's illegal ivory trade threatens Africa's elephants by Lucy Vigne and Esmond Martin. *Pachyderm* 58: 169-170
Patton, F. - The use of ear tufts to assist in the identification of individual black rhinos. *Pachyderm* 58: 148-151
Patton, F.; Mutisya, S.; Campbell, P.E. - Ten-year outcomes from the introduction of black rhinos to a new area at Ol Pejeta Conservancy, Kenya. *Pachyderm* 58: 154-158
Patton, F.; Genade, A. - Early first white rhino calving and consequent foot problem. *Pachyderm* 58: 159-160
Groves, C.P. - The Sumatran rhino is one-of-a-kind. *Pachyderm* 58: 152-153.



RHINO IMAGES - ART AND THE RHINOCEROS – BY FILDES, 2017

Lorraine and Robert Fildes, two retired professionals from Australia, have assembled an amazing array of rhino images in all kinds of art forms.

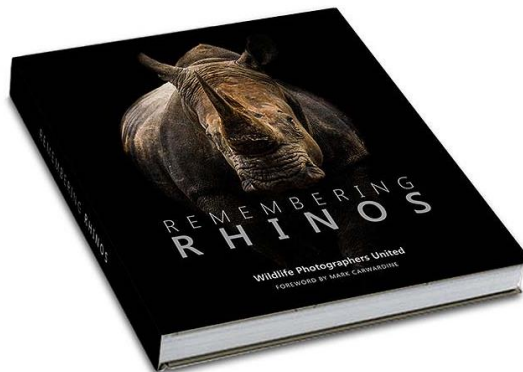
This book shows the rhino in art - masterpieces from the ancient past to the present. There are over 300 rhino images in this book. The rhino images includes, drawings, paintings, etchings, rock carvings and sculptures done in a variety of materials. These images of the rhino range from early civilizations such as in China, Roman Empire, Indus civilization in Pakistan/India area and from Southern Africa down to current day images of paintings and sculptures produced by modern day artists.



Whether in the ancient past or in the present the rhinos are always represented as huge, powerful and solitary animals. Drawings, woodcuts, etchings, paintings and sculptures of the rhino all depict the power of the animal. The text indicates where you may find these rhino images. For the artists of our time their websites have been given. There are very few of these magnificent wild animals left in the world, so unless they are protected and managed, artistic images will soon be the only viewing option. All proceeds from the sale of this book will go to saving the rhino from extinction.

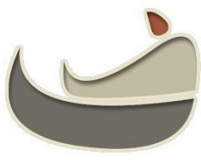
The book has been published as a Kindle eBook and is available for download via <https://www.amazon.com> at a cost of \$US20.00. Follow [this link](#). Part of the proceeds will be returned to rhino conservation.

REMEMBERING RHINOS - BY WILDLIFE PHOTOGRAPHERS UNITED, 2017



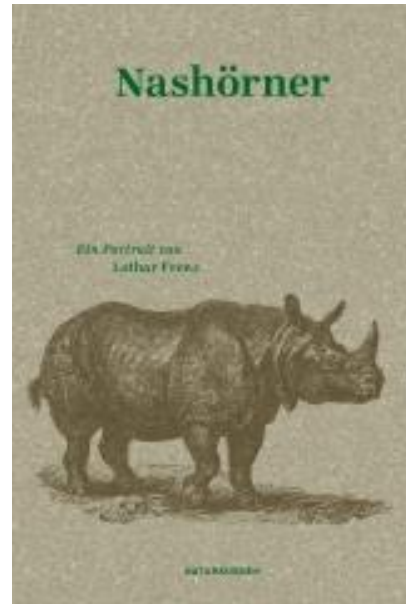
<https://rememberingwildlife.com/remembering-rhinos/>

The follow up to the highly acclaimed Remembering Elephants, once again Remembering Rhinos comprises images generously donated by many of the world's best wildlife photographers, each of which is united in their desire to make a stand against poaching. All profits will go to rhino protection projects via our charity partner The Born Free Foundation after a hugely successful Kickstarter campaign which pre-funded our production.



LOTHAR FRENZ: NASHÖRNER

Plump und unbekümmert im Erscheinungsbild, charakterlich zwischen freundlichem Dickhäuter und wütendem Ungetüm : Nashörner haben in den Beschreibungen der Menschen oft einen schweren Stand. Dennoch oder gerade deshalb üben sie für uns seit Tausenden von Jahren eine kolossale Faszination aus. In seiner Natur- und Kulturgeschichte dieser nach den Elefanten größten Landsäugetiere wirft Lothar Frenz einen zärtlichen und kundigen Blick auf das Rhinoceros und verfolgt seine großen Auftritte von den Höhlenmalereien in Chauvet über Dürers berühmten Holzschnitt bis hin zur gehörnten »Jungfer Clara«, dem Star-Rhino des 18. Jahrhunderts und Protagonisten der ersten europaweiten Werbe-kampagne.

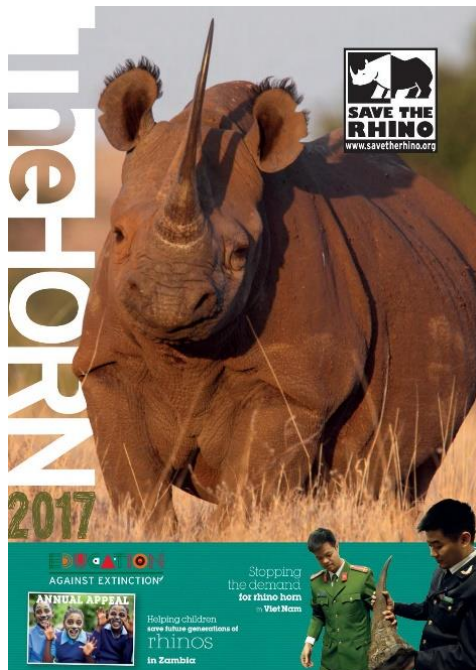


Doch seine Anziehungskraft wurde ihm auch zum Verhängnis : Frenz zeigt, wie nicht zuletzt die Gier nach dem sagenumwobenen Horn seine Bestände bedrohlich dezimierte. So ist dieses Portrait zugleich ein Requiem für ein sagenhaftes Tier, dass der Mensch bis heute als Trophäe missversteht.

The book is available from the publishers in Germany:

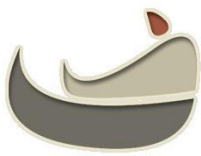
<https://www.matthes-seitz-berlin.de/buch/nashoerner.html>

THE HORN MAGAZINE



Save the Rhino International, based in London, works to conserve all five rhino species, by supporting rhino conservation programmes across Africa and Asia. Many organizations and people have benefited from their help and countless rhino lives have been saved.

SRI has for many years produced a magazine about their work. The latest issue of 2017 is now available and well worth reading. This issue as well as some older ones can be accessed on their website, [click here](http://www.savetherhino.org).



ROBIN DES BOIS – ROBIN HOOD

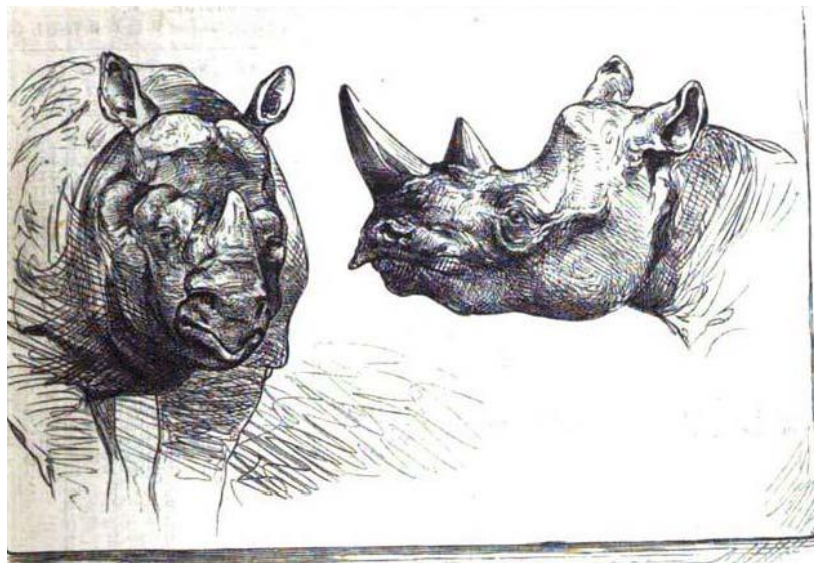
This French organisation monitors the news about wildlife poaching and trade. They produce a quarterly newsletter which has detailed information on all species including rhinos and elephants. It is worth looking at this newsletter which can be accessed for free on their website.



Original version in French

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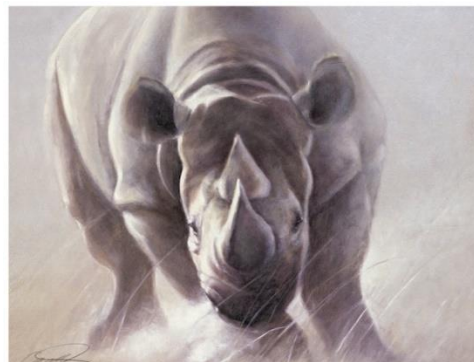


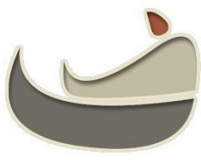
Here, and below, some examples from illustrated 19th century magazines – to enjoy.



ROBERT CAMPBELL – AN ARTIST PASSIONATE ABOUT RHINOS

At the IRKA workshop in Denver I met Robert Campbell, an artist based in South Carolina, whose enthusiasm for anything about rhinos was a real treat. He showed me some of the prints of the African and Indian rhinos, as well as cups and other souvenirs. He has been interested in rhinos for many years, and his art is very decorative. His website <http://www.unleashed.rocks/> is now up and running with more information and offers to purchase his works. Some proceeds will be donated to the RRC.





OUR SPONSORS

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



[SOS RHINO](http://www.sosrhino.org)



[INTERNATIONAL RHINO FOUNDATION](http://www.internationalrhinofoundation.org)



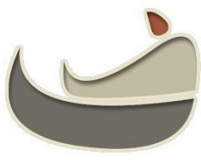
[SAVE THE RHINO](http://www.savetherhino.org)



[RHINO CARHIRE](http://rhinocarhire.com)

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	2016 Dec	2017 March	2017 June	2017 Sept	2017 Dec	ANNUAL INCREASE
References	20,810	20,920	21,290	21,550	22,130	+ 1320
PDF files	20,487	20,600	20,990	21,265	21,850	+ 1363
Images	3,900	3,910	3,966	3,995	4,040	+ 140
Members	3,108	3,300	3,389	3,516	3,715	+ 607

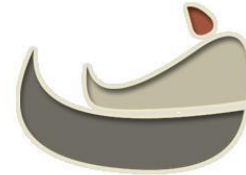
I thank everybody who has helped us by sending copies of books and papers.

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](#)

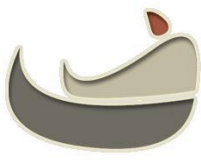


The Rhino Resource Center is an essential tool for

- 🐘 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 November 2017)

In this quarter (September to November 2017), we have added 580 new references, to bring the total number of items in the database to **22,130**.

Of these, 21,850 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

- Anonymous, 2017. Rhinos in numbers. *World of Animals* no.43: 34-35.
- Claus, J., 2016. Valuing the rhino: Where is their worth? Thesis presented to the Graduate School of Business, University of Cape Town, pp. 1-61.
- Dean, C., 2017. State of the rhino. *The Horn (Save the Rhino International)* 2017: 1-3.
- Ewart, K.M.; Frankham, G.J.; MacEwing, R.; Webster, L.M.I.; Ciavaglia, S.A.; Linacre, A.M.T.; Dang Tat The; Ovouthan, K.; Johnson, R.N., 2017. An internationally standardized species identification test for use on suspected seized rhinoceros horn in the illegal wildlife trade. *Forensic Science International: Genetics* 2018: 33-39.
- Frenz, L., 2017. *Nashörner: ein Portrait*. Berlin, Matthes & Seitz (Naturkunden 36), pp. 1-128.
- International Rhino Keeper Association, 2017. Notes. *The Crash* November 2017: 1-13.
- Johnston, K., 2017. Fake news & alternative facts in rhino conservation. *The Horn (Save the Rhino International)* 2017: 13.
- Johnston, K., 2017. Is the Darknet a haven for rhino horn traffickers?. *The Horn (Save the Rhino International)* 2017: 26.
- Martin, E.B., 2017. We can turn poaching around. *Nomad Magazine* October 2017: 41.
- Mullins, K., 2017. L'appropriation du Rhinoceros: la metamorphose et la mentalite collective. Thesis submitted to Saint Mary's University, Halifax, Nova Scotia, pp. 1-22.
- Offord-Woolley, S., 2017. The Chi Initiative: A behaviour change initiative to reduce the demand for rhino horn in Viet Nam. *Pachyderm* 58: 144-147.
- Offord-Woolley, S., 2017. What is Viet Nam doing to tackle rhino horn traffickers. *The Horn (Save the Rhino International)* 2017: 25.
- Olmedo, A.; Sharif, V.; Milner-Gulland, E.J., 2017. Evaluating the design of behavior change interventions: a case study of rhino horn in Vietnam. *Conservation Letters* April 2017, 1-9.
- Raggett, M. (editor), 2017. *Remembering rhinos*. London, Wildlife Photographers United, pp. 1-143.
- Robin des Bois, 2017. Notes on rhinoceros poaching. *On the Trail* (Information and analysis bulletin on animal poaching and smuggling) no.18: 68-81
- Ruhe, Jan, 2003. *The rhino spirit: a collection of stories, quotes and poems*. Aspen, Co., Proteus Press, pp. 1-128.
- Schwarzenberger, F., 2017. Comparative evaluation of gestation in three rhinoceros species (*Diceros bicornis*; *Ceratotherium simum*; *Rhinoceros unicornis*). *Proceedings of the International Society of Wildlife Endocrinology (ISWE) Conference* 6: 69.

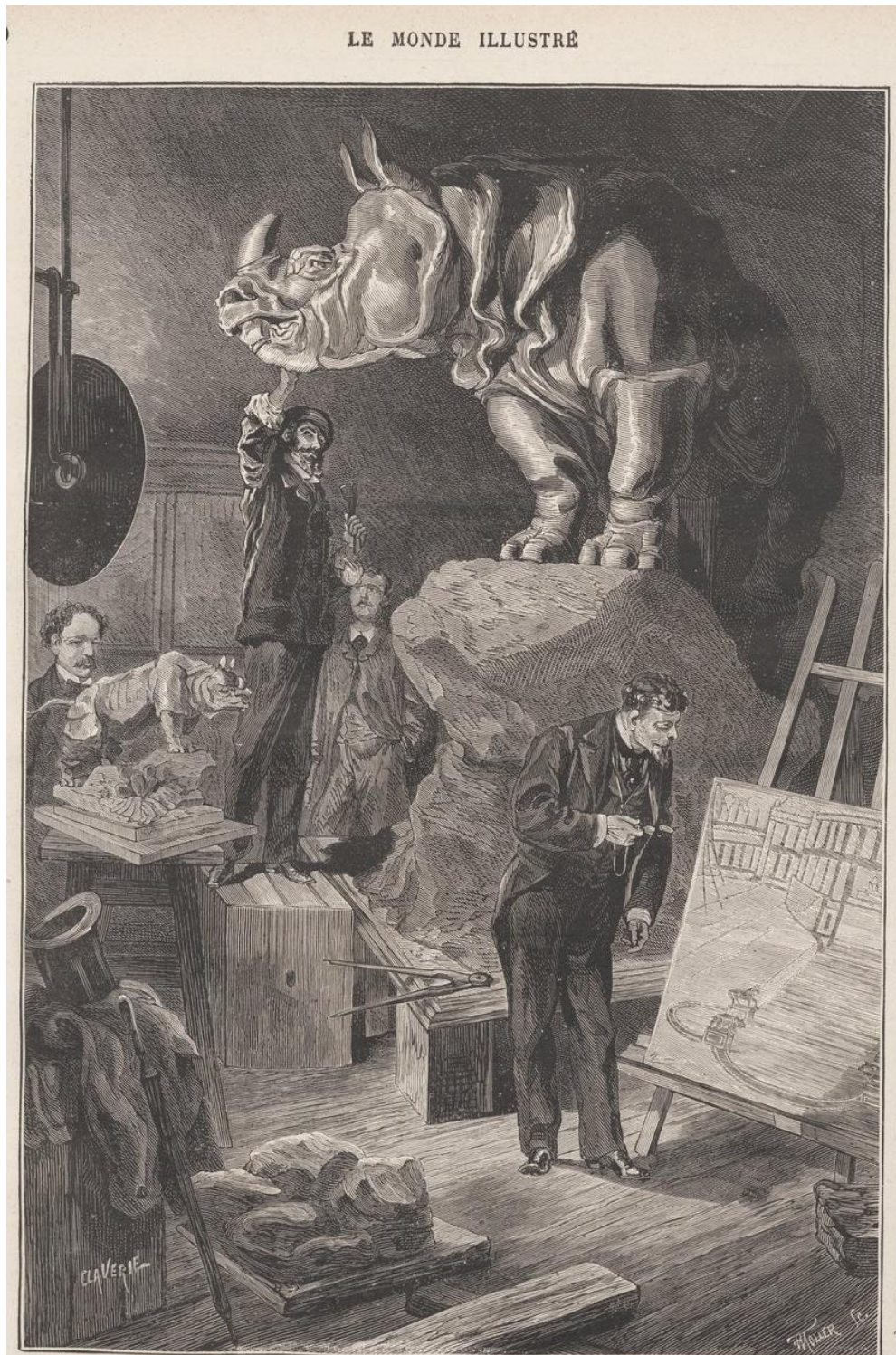


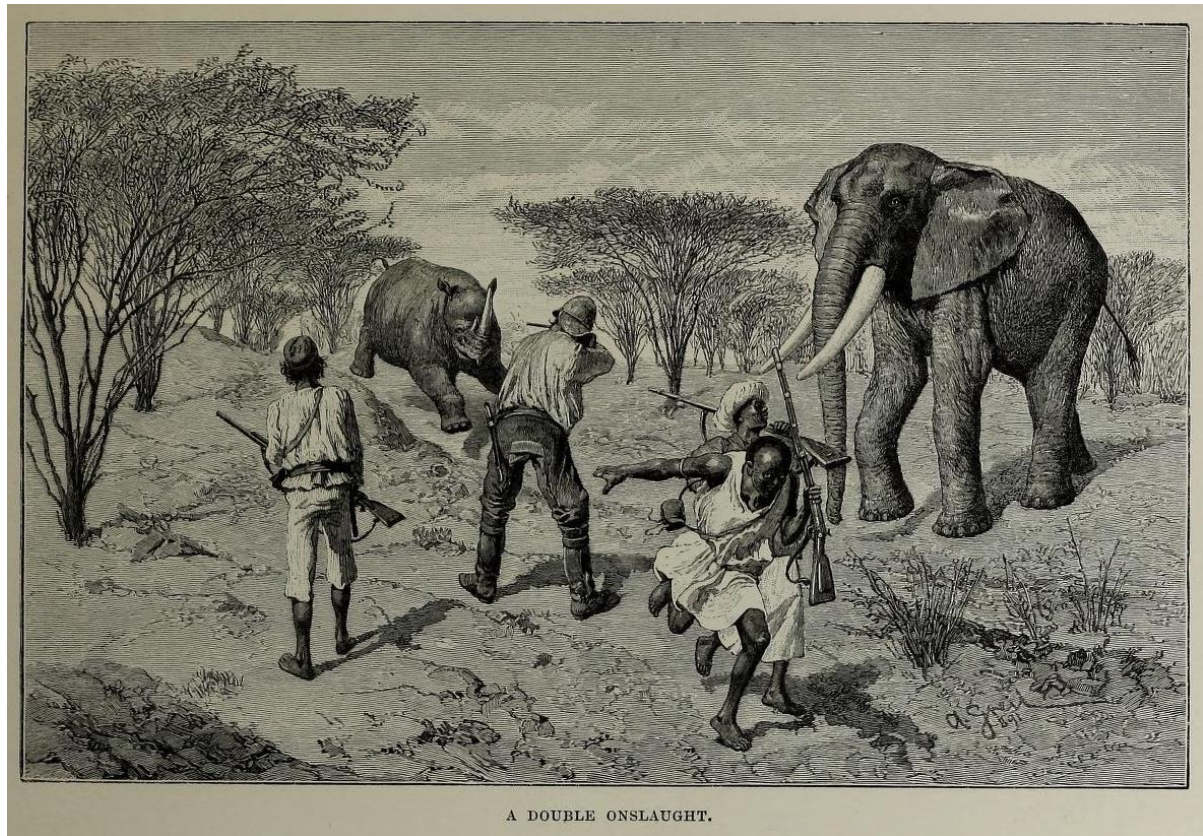
General Publications – continued

Vigne, L.; Martin, E.B., 2017. *The ivory trade of Laos: now the fastest growing in the world*. London, Save the Elephants, pp. 1-88.

Wexo, J.B., 2010. *Rhinos*. 7th edition. San Diego, Wildlife Education (Zoo Books 2), pp. 1-22.

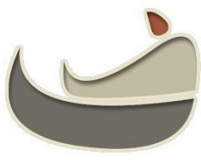
Wildaid, 2017. *Rhino horn demand: Vietnam 2017*. San Francisco, Wildaid, pp. 1-7.





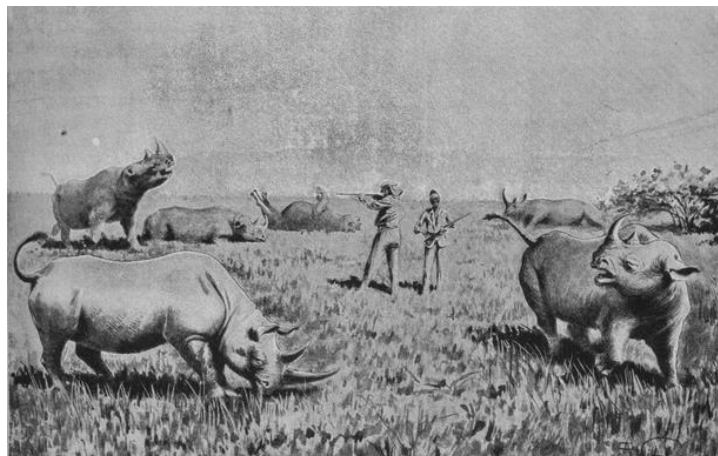
NEW PUBLICATIONS ON AFRICAN RHINOS

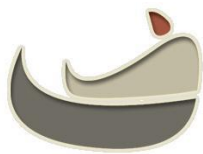
- Africa Wildlife Foundation, 2017. Glorious armoured giants. *Travel Africa* October-December 2017: 136-143.
- Amend, M., 2017. Nordliche Breitmaulnashorner in Menschenobhut. *Arbeitsplatz Zoo* 2016 (3): 6-12.
- Amend, M., 2017. Northern white rhino in human care. *Journal of the Bartlett Society* 27: 5-12.
- Anderson, N., 2017. Zimbabwe: Remember me?. *The Horn (Save the Rhino International)* 2017: 14.
- Anonymous, 2017. African Fund for Endangered Wildlife-our emphasis on conservation education. *Pachyderm* 58: 178-179.
- Anonymous, 2017. Oak Foundation-disrupting criminal networks, promoting existing laws and building global capacity. *Pachyderm* 58: 177.
- Ball, R.L.; Burton, M.S.; Dumonceaux, G.; Olsen, J.H., 2006. Frontal sinusitis and epistaxis in captive Black rhinoceros (*Diceros bicornis*). *Proceedings of the American Association of Zoo Veterinarians* 2006: 317.
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- Ball, R.L.; Green, J.; Weatherford, D.; Forker, K., 2006. Maintenance of wild born White rhinoceros (*Ceratotherium simum simum*) on forage-only diets in captivity. *Proceedings of the American Association of Zoo Veterinarians* 2006: 313-316, 3 tables, 1 figure.



African Rhinos – continued

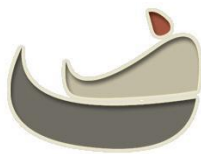
- Ball, R.L.; Lyaschenko, K.; Miller, M.; Olsen, J., 2007. Application of elephant TB STAT-PAK assay and MAPIA (multiple antigen print immunoassay) for tuberculosis testing of Black rhinoceros (*Diceros bicornis*) in managed care. *Proceedings of the AAZV, AAWV, AZA/NAG Joint Conference 2007*: 88-89.
- Ball, R.L.; Morrow, M.; Hofmeyr, M.; Buss, P.; Cooper, D., 2006. Comparison of anti-phospho-lipid antibodies between wild and captive Black rhinoceros (*Diceros bicornis*): implications for health and repatriation. *Proceedings of the American Association of Zoo Veterinarians 2006*: 322-324.
- Beagley, J.C.; Lowder, M.Q.; Langan, J.N.; Citino, S.B., 2010. Dental conditions of captive rhinoceros (*Diceros bicornis*). *Proceedings of the AAZV, AAWV Joint Conference 2010*: 138-139.
- Berman, M., 2017. South Africa's online rhino horn auction is a devastating setback. *Travel Africa* October-December 2017: 11.
- Bhagwandin, A.; Haagensen, M.; Manger, P.R., 2017. The brain of the black (*Diceros bicornis*) and white (*Ceratotherium simum*) African Rhinoceroses: morphology and volumetrics from magnetic resonance imaging. *Frontiers in Neuroanatomy* 11 (74): 1-12.
- Biegus, O.; Bueger, C., 2017. Poachers and pirates: improving coordination to the global response to wildlife crime. *SA Crime Quarterly* no.60: 29-36.
- Blaszkewitz, B., 2017. Durer-Horn im Nackenbereich eines Breitmaulnashorns (*Ceratotherium simum*) in einer texanischen Nashornhaltung. *Bulette: Mitteilungen aus der Tiergartenbiologie* 5: 136-139, figs. 1-2.
- Blech, J., 2017. Alle Turen gesichert: Nordliche Breitmaulnashorn. *Der Spiegel* 39: 114-115.
- Bloch, R.; Haefele, H., 2009. Differences in treatment and management of foot abscesses in a Southern White rhinoceros (*Ceratotherium simum simum*) and a Southern Black rhinoceros (*Diceros bicornis minor*) at Fossil Rim Wildlife Center. *Proceedings of the AAZV, AAWV Joint Conference 2009*: 185-186.
- Bonham, R., 2017. Giving Kenyan rhinos room to grow. *The Horn (Save the Rhino International)* 2017: 7.
- Borana Conservancy, 2017. Conservation news. *Borana Newsletter* 2017: 1-24.
- Bradburn, R.; Wairima, G.; Skehan, R., 2017. Celebrity ads boost rhino horn awareness. *Travel Africa* October-December 2017: 6-10.
- Bush, M.; Citino, S.B.; Grobler, D., 2005. Improving cardio-pulmonary function for a safer anesthesia of White rhinoceros (*Ceratotherium simum*): Use of opiate cocktails to influence receptor effects. *Proceedings of the AAZV, AAWV, AZA/NAG Joint Conference 2005*: 259-260.





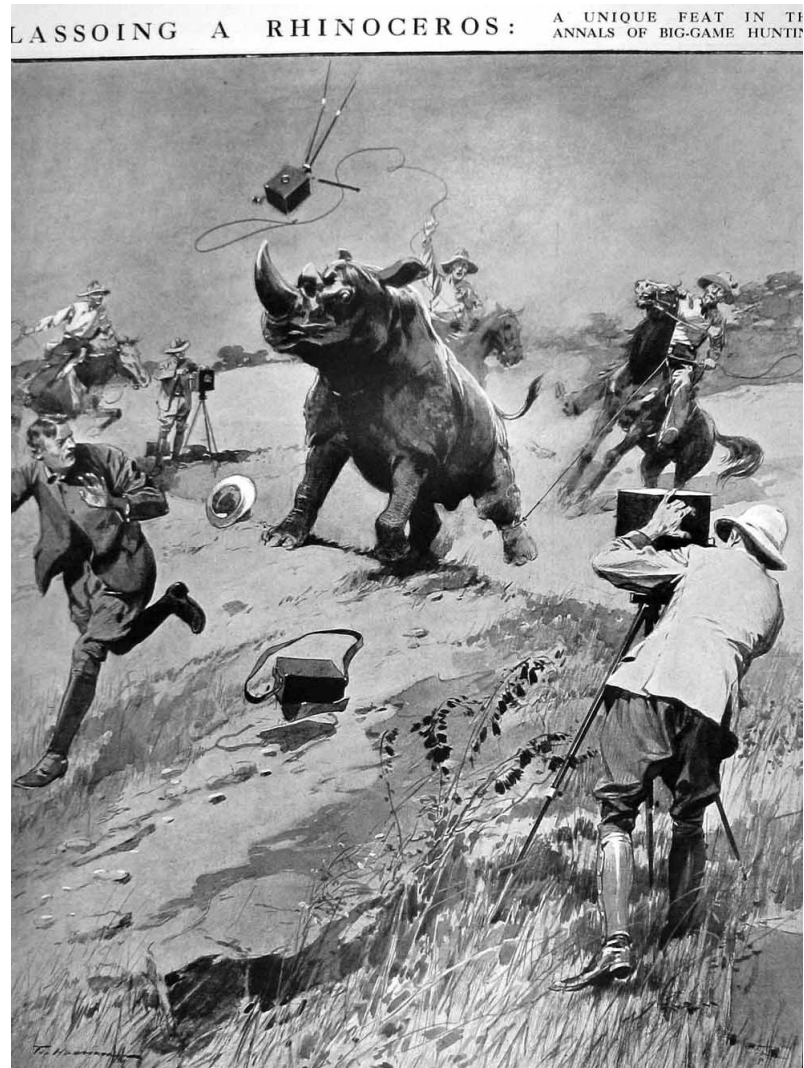
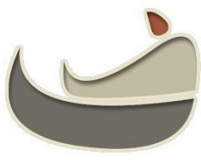
African Rhinos – continued

- Cammack, R., 2017. London marathon hero Liz Winton. *The Horn (Save the Rhino International)* 2017: 12.
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- Carrington, D., 2017. High price of rhino horn leaves bloody trail across the globe. *College English* 2017 (5): 30-34.
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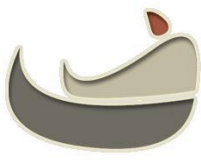
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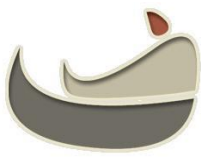
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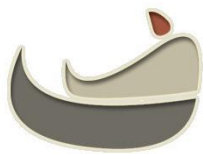
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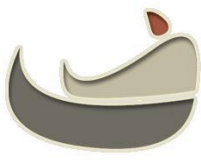
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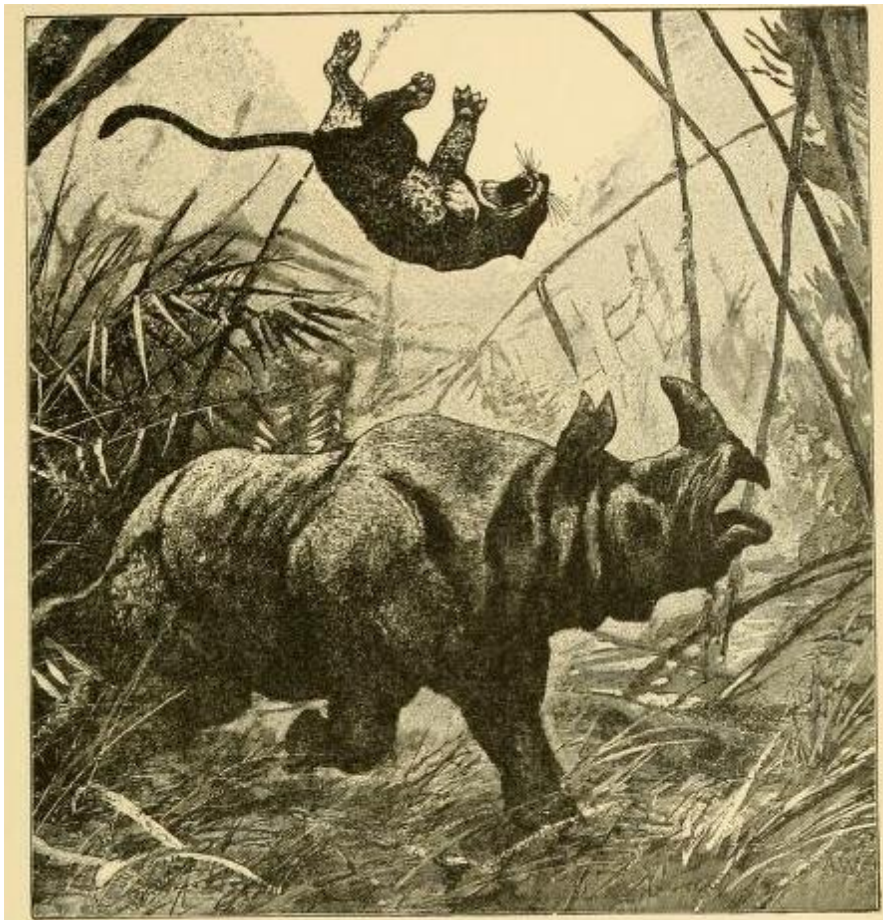
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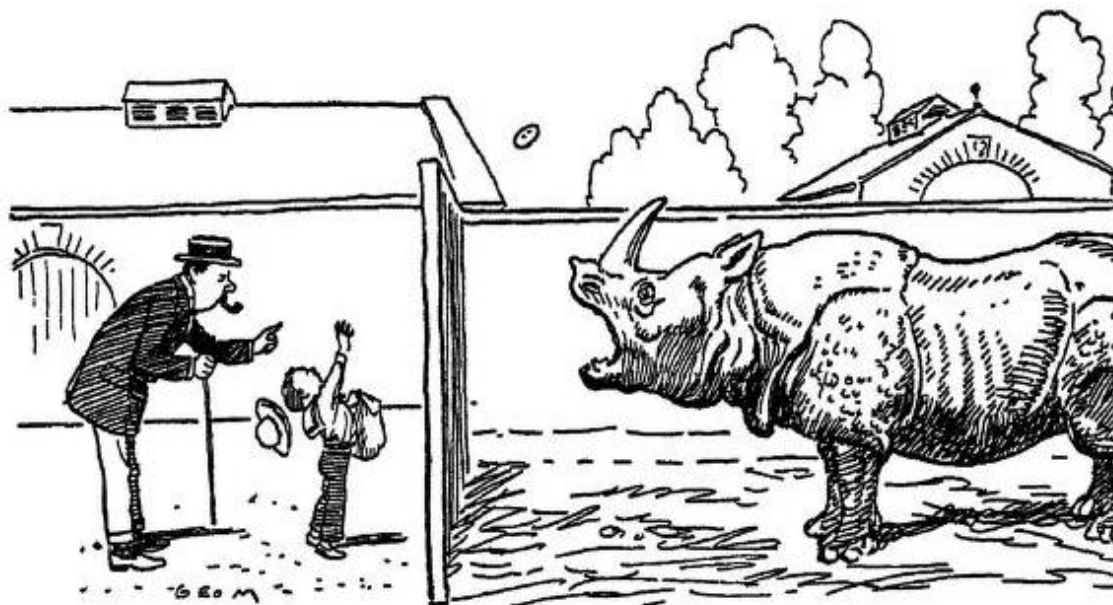
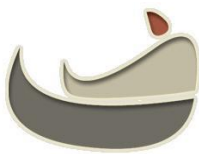
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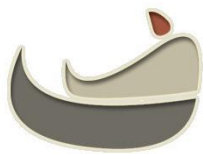
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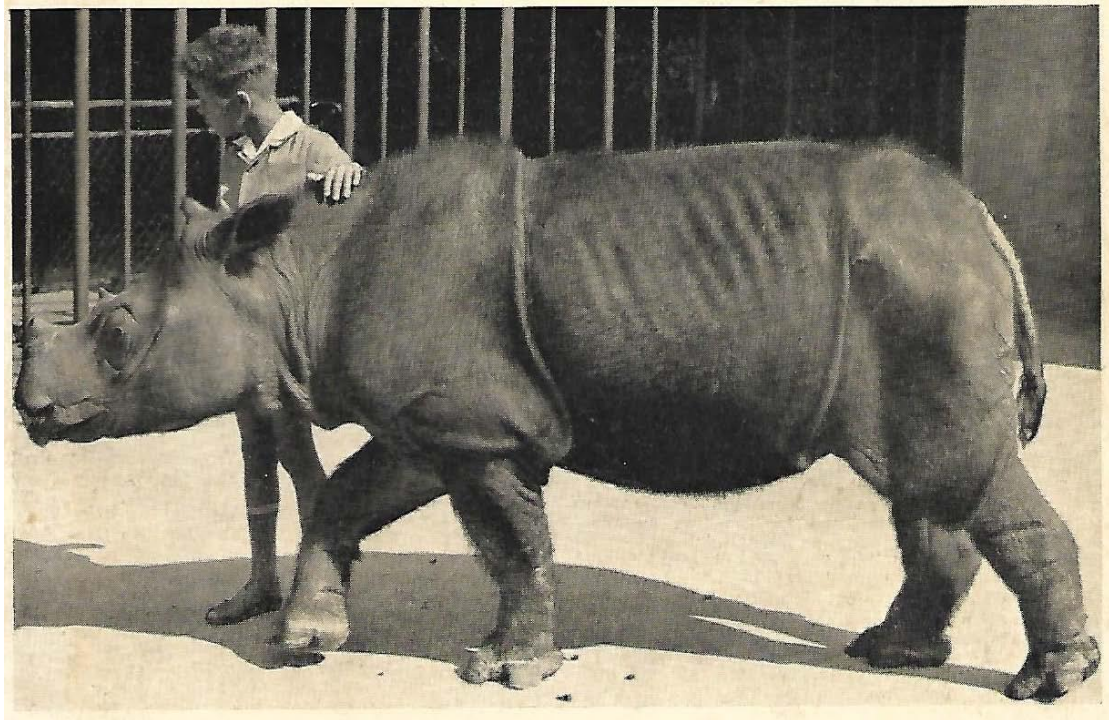
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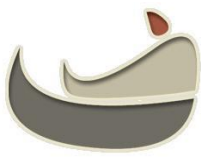
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NEW PUBLICATIONS ON FOSSIL RHINOS

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

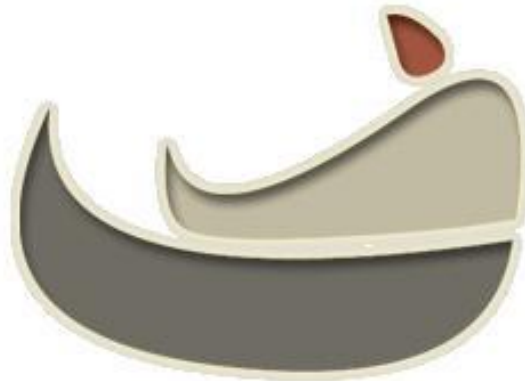
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