

## **RHINO RESOURCE CENTER**

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

### **NEWSLETTER #31 MAY 2013**

Dear colleagues and friends,

This is the 31<sup>st</sup> 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 17,711. This is an increase of 238 items in the last quarter.  
**Over 17,000 references are available as PDF on RRC website**



**SUPPORT RRC**

#### **IN THIS ISSUE:**

Sumatran Rhino Crisis Summit	p. 2
Anna Merz rhino protagonist passes at 81	p. 3
Visit to Assam – March 2013	p. 5
Rhino related meetings	p. 8
Our sponsors	p. 10
Contents of the RRC website	p. 11
Yes, you can help	p. 11
New Literature	p. 12
General	p.12
African	p.13
Asian	p.16
Fossil	p.18
Contact Information	p. 22

The Rhino Resource Center is a Charity (Registered KvK Utrecht 30185802)

Board Members: Prof. Robert Visser, Dr. Esmond Bradley Martin

Founding Chairman: Dr. Nico J. van Strien



#### OUR EXECUTIVE TEAM

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

#### SPECIALIST EDITORS:

Emmanuel Billia (Italy)                      Henri Carpentier (France)  
Adam Felts (USA)                              Jim Monson (France)  
Haowen Tong (China)                         Dan Ziegler (USA)

## SUMATRAN RHINO CRISIS SUMMIT

*Sunday 31 March to Thursday 4 April 2013 – Singapore*

The news at the start of the meeting that there were likely to be less than 100 Sumatran rhinos in the world was a sobering announcement at the start of the meeting. It gave a sense of urgency to the 130 participants who had come to Singapore from range states like Malaysia and Indonesia, as well as from further afield. It was an intense meeting filled with discussions and proposals, which fortunately gave a chance for people to sit together and combine their interests. A ground-breaking agreement to save the Critically Endangered species was reached between representatives of the Indonesian and Malaysian governments. Tam, the male rhino in Sabah, is likely to be sent to Cincinnati to enhance their successful captive breeding programme. The proposals will need **serious funding** to achieve, so let us all put the Sumatran Rhino back on the map.



Conservation cannot be achieved in a vacuum. We all have to learn from the past and know the latest research on these animals. The Rhino Resource Center plays a pivotal role in making all available knowledge available. The RRC sponsored the meeting by providing flashdrives with pertinent publications on Sumatran rhinos as well as other species, for the participants to use in their project proposals and initiatives. There is no conservation without communication.



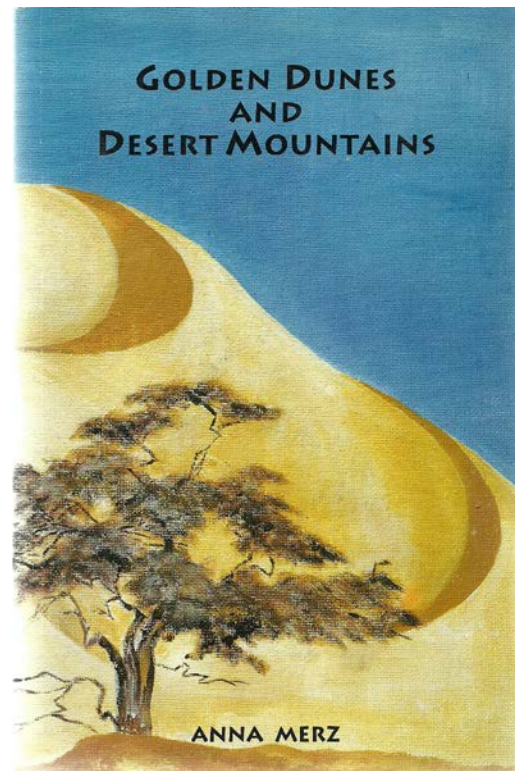
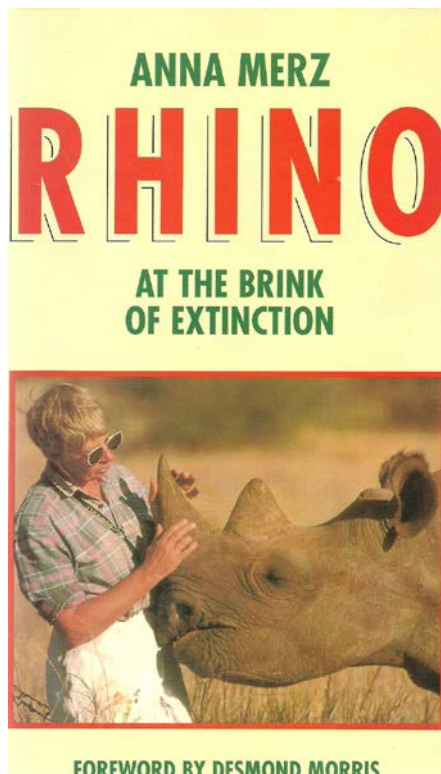


## ANNA MERZ, RHINO PROTAGONIST, PASSES AT 81 YEARS

In the night of Thursday 4 April 2013, we received a phone call in the middle of the night. It was our friend Colin in the Waterberg of South Africa with the sad news that Anna had passed away in a Pretoria hospital after a short illness. It was a great shock to us, because we had the privilege to be counted among her friends. For several years, we had been her neighbour when she lived in the bush on the Palala River, in the area of Melkriver near Vaalwater. It was a remote place to live, but for Anna it kept her close to the African bush which she had come to love so much. She had shared her home with many animals, birds, and it is well-known that she would take her pack of 13 dogs (at last count) for walks of many hours on the land around her house. She had loved her dogs, and her horses, and of course her rhinos.

Florence Ann Hepburn was born in Radlett, England, on 17 November 1931 and passed away in Pretoria, South Africa on 4 April 2013. Anna had lived in Ghana, before “retiring” to Kenya in 1976 with her second husband Karl. Here she had a chance to put her love for wildlife in general and rhinos in particular in action by helping to set up the Ngare Sergoi Rhino Sanctuary and later Lewa Downs. She raised Samia, a black rhino and put all her energy into increasing her understanding of rhino behaviour. In 1996 she went to live in South Africa, but remained active in the development of [Lewa Wildlife Conservancy](#).

Her obituary in [The Times](#) of London can be found on the RRC, one of many tributes to her life as an advocate for rhinos.





Anna was a good friend of Sandy and myself, and we will miss her regular handwritten letters and occasional phonecalls. We had the privilege to get to know her better, share holidays and dinners and some celebrations. Every time a rhino was poached, she would be saddened by the loss, and was sad by the inevitability of what was happening around her. But she did her share, and Lewa remained her passion.

*Words fail me. Anna will be greatly missed. Let us carry her torch and protect rhinos.*

Below is the last newsletter which she always sent us, typically with a handwritten note pasted on it:

“9/2/2013. Dear Kees & Sandy,  
Sorry this is a bit late but I had just over a week in London last month. How was your Xmas?? 82 rhinos killed in S.A. in Jan, or at least found. Situation dire. Love to you both. Anna.”

NEWSLETTER NO. 34 | OCTOBER 2012

*Dear Kees & Sandy, 9/2/13  
Sorry this is a bit late  
but I had just over a week in  
London last month. How was  
your Xmas in the U.K.?  
82 rhinos killed S.A. in  
Jan, or at least found. Situa-  
tion dire - love to you both - Anna*

**Lewa News**  
THE LEWA WILDLIFE CONSERVANCY

**LEWA'S ROLE IN SUPPORT OF A COMMUNITY VISION TO PROTECT THE LAST OF A SPECIES**  
by Mike Watson | Chief Executive Officer

August of 2012 marked an historic occasion for the Lewa Wildlife Conservancy's work as a catalyst for conservation: a joint team from Lewa, the Kenya Wildlife Service and Northern Rangelands Trust successfully captured and relocated close to 40 critically endangered hirola antelope into a purpose-built protected sanctuary on the Ishaqini Community Conservancy. Plans for this operation have been underway for several years. These 40 hirola antelopes make up a significant portion of the remaining population, which numbers less than 1,000 and likely closer to 500 in the world.

The operation's success was doubly remarkable as no hirola fatalities were recorded during or since completion; this is a significant achievement bearing in mind the hirola's well-

documented sensitivity to capture and handling. There are now a minimum of 48 of these incredibly rare antelope, comprising roughly five males and a balance of females, well settled within the sanctuary; with predators, including six cheetahs and one hyaena, having been relocated outside of the predator-proof fence.

Lewa's value lies well beyond its boundaries, and it is only by looking outward that Lewa remains true to its mission and sustains its role as the leading catalyst for conservation in the region. It is vital that Lewa continue to serve as the foundation to the community-based conservation development being spearheaded by NRT across northern Kenya, as well as serving as a model that emerging conservancies can readily emulate. In order to remain relevant in this broader context, Lewa must continue to

Continued on Page 3  
LEWA WILDLIFE CONSERVANCY | 1

Lewa Wildlife Conservancy  
www.lewa.org  
A Catalyst for Conservation



## VISIT TO ASSAM – MARCH 2013

In March, invited to visit rhino areas in Assam by WWF, I was excited by this sudden opportunity to learn about the challenges of conservation in the field. A day in Kolkata (Calcutta) initiated us into the complex Indian society and environment. It was just a short plane journey to the land of the rhinos, Assam, and after landing at Guwahati airport, we left straight away to the famous Kaziranga National Park. Established in the early 20th century, when the authorities were sensitive to a threat of diminishing wildlife numbers, the park stretches for many miles between the Brahmaputra River in the north and the 37 National Highway. Kaziranga is a haven for anybody who is interested in seeing rhinos, obviously because it is just about impossible to miss seeing a group of them on even a short visit. There is good accommodation in a wide price range on the fringe of the park, and good opportunities to ride into the park on an elephant and explore further afield in a jeep.

During this visit, I also had a chance to meet some of the people who had been associated with the parks for a long time to gain some background to the changes that have occurred over the past fifty years. Of course, rhino numbers in Kaziranga have increased, rather dramatically, over the years. Park officials were busy preparing for the bi-annual census of rhinos in the park, which took place on 24-25 March 2013. According to newspapers reports, a total of 645 adult males and 684 adult females besides sub-adults and cubs were counted. This led to a census result of 2290 rhinos in Kaziranga (in 1999, the figure was 1,672, in 2009 it was 2,048). Poaching remains a threat which takes a constant toll of the population.



Next we visited Pobitora Wildlife Sanctuary, a small 38.8 km<sup>2</sup> reserve, close to Guwahati town and surrounded by 23 villages. Here we met people of the Pobitora Conservation Society, a local group of enthusiasts who are keen animal conservationists. There are many rhinos in the park, who have to share some of the space with cattle that wanders in from outside, as well as cope with a serious drought.



Our final leg was to Manas National Park bordered in the north by Bhutan. The rhino population had been totally wiped out by insurgent activity in the area in the 1980s. Recently, under the official Rhino Vision 2020 project, 18 rhinos were brought back to the area from other reserves. We never saw a rhino, but were heartened by the news on 20 March that a calf had been spotted, and soon after we heard that a second calf was born. However, to realise how little scope we have for celebrations, soon after we left we read the sad news that the mother of the baby rhino had been killed by poachers. Steps were immediately taken to ensure the safety of the remaining animals.





Talking to forest officers, forest guards, journalists, scientists, NGO staff, it was obvious how much pride the people of Assam have in their rhino. It is a state symbol much loved by everybody. [Rhino Vision 2020](#) is a program aiming to increase rhino numbers in India to a total of 3000, and despite serious setbacks caused by poaching and increased international illegal trade, the target will be reached. There is a great sense of commitment from all concerned which is very heartening.

I wish to thank all those who have contributed to make my stay successful, in no particular order: Pranab Bora, Pankaj Sharma, Rabindra Sharma, Abdul Mazid Ali, Bapkon Das, Uttam Saikia, Mukul Tamuly, Nripen Nath, Ashok Das, Deba Dutta, Nilutpal Kashyap, Kushal K. Sharma, Bijoy Dutta, and of course Christy Williams, and Amit Sharma. Thank you all.





## ANNOUNCEMENT OF RHINO RELATED MEETINGS

*When you run, you may just catch:*

### **Rhino Mayday, Wednesday 1 May 2013**

A day of talks and debates for anyone with an interest in wildlife conservation  
Rhino Mayday will be held at University College London and the Grant Museum of Zoology, Gower Street, London.

### **IRKA – WORKSHOP MAY 2013, SAN DIEGO**

The International Rhino Keepers Association is organising the 2013 Rhino Keeper Workshop at San Diego Zoo Safari Park, May 5-9, 2013. The conference is now fully booked and we wish all participants a fruitful and exciting meet.



### **2013 INTERNATIONAL ELEPHANT & RHINO**

### **CONSERVATION & RESEARCH SYMPOSIUM**

August 26th - 30th, 2013

Presented by the International Elephant Foundation and the International Rhino Foundation. Hosted by the Pittsburgh Zoo & PPG Aquarium

The pressures on wild populations of elephants and rhinos are increasing at an alarming rate. Poachers are killing elephants and rhinos at levels never seen before. Wildlife habitat continues to disappear while human-wildlife conflict increases. Break-through scientific investigation into disease, nutrition, behavior and reproduction of elephants and rhinos in human care, ambassadors for their species, is contributing to the future survival of wild populations.

We invite elephant and rhino conservationists and researchers from around the world to present conservation projects and research results on field conservation, conflict mitigation, management, health, disease, nutrition, reproduction and behavior at our third joint International Elephant and Rhino Conservation and Research Symposium.

Come join us, meet your peers from around the world, share your experiences and best practices, make new friends and develop new professional associations.

Visit [Pittsburghzoo.org](http://Pittsburghzoo.org) to register or [IRF](http://IRF) for more information.





## **9th International Conference on Behaviour, Physiology and Genetics of Wildlife** 18 - 21 September, Berlin, Germany

Please register at <https://www.bayceer.uni-bayreuth.de/izw9/> or follow the links at the [conference website](#). After registration, you will receive a confirmation by e-mail. Please find information on main topics, plenary speakers and workshop topics [here](#).

Call for abstracts: If you would like to actively participate in the conference with an oral or a poster contribution, we are looking forward to receive your abstract to one of the main topics or workshop topics. Please find further information concerning abstract submission [here](#). Abstract submission deadline: 01st June 2013

Organised by: Leibniz Institute for Zoo and Wildlife Research (IZW); <http://www.izw-berlin.de>

European Association of Zoos and Aquaria (EAZA); <http://www.eaza.net>

Aim of the conference: The aim of this conference is to foster an exchange of ideas between wildlife scientists from different disciplines with an interest in both wild and captive animals (with a focus on mammalian species), and to present the latest advances and stimulate future research in this topic. To this aim, the selected plenary talks and workshops will cover a diverse range of fascinating topics. We are expecting a stimulating programme with many interesting scientific presentations supplemented by an entertaining, yet informative, social programme.

E-mail: [symposium@izw-berlin.de](mailto:symposium@izw-berlin.de)





## OUR SPONSORS

The board and staff of the Rhino Resource Center gratefully acknowledge the support of our two main sponsors, the International Rhino Foundation and SOS Rhino. A generous donation was received from the WWF Areas Programme.



INTERNATIONAL RHINO FOUNDATION



SOS RHINO



WWF AREAS

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



SAVE THE RHINO



RHINO CARHIRE

We are grateful to all individuals who donate to the RRC to show their appreciation of our work.

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	2012 May	2012 August	2012 November	2013 February	2013 May	ANNUAL INCREASE
References	16,850	17,090	17,250	17,473	<b>17,711</b>	+ <b>861</b>
PDF files	15,520	16,090	16,527	16,928	<b>17,179</b>	+ <b>1659</b>
Images	2,765	2,915	3,086	3,152	<b>3,202</b>	+ <b>437</b>
Members				1,613	<b>1,765</b>	

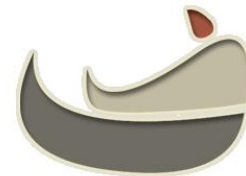
I thank everybody who has helped us by sending copies of books and papers.

All contributions are [acknowledged on the website](#).

### DONATIONS TO THE RRC

Good News: - It is now possible to donate directly to the Rhino Resource Center by creditcard or Paypal. The amounts are in Euros: 10 euros = \$13.25 = £8.15. All donations, small or big, are a boost to our work. When have found the files you need for your work on the RRC, you can consider donating 10 euros.

[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 (finalised 29 April 2013)

In this quarter (February to April 2013), we have added 238 new references, to bring the total number of items in the database to 17,711.

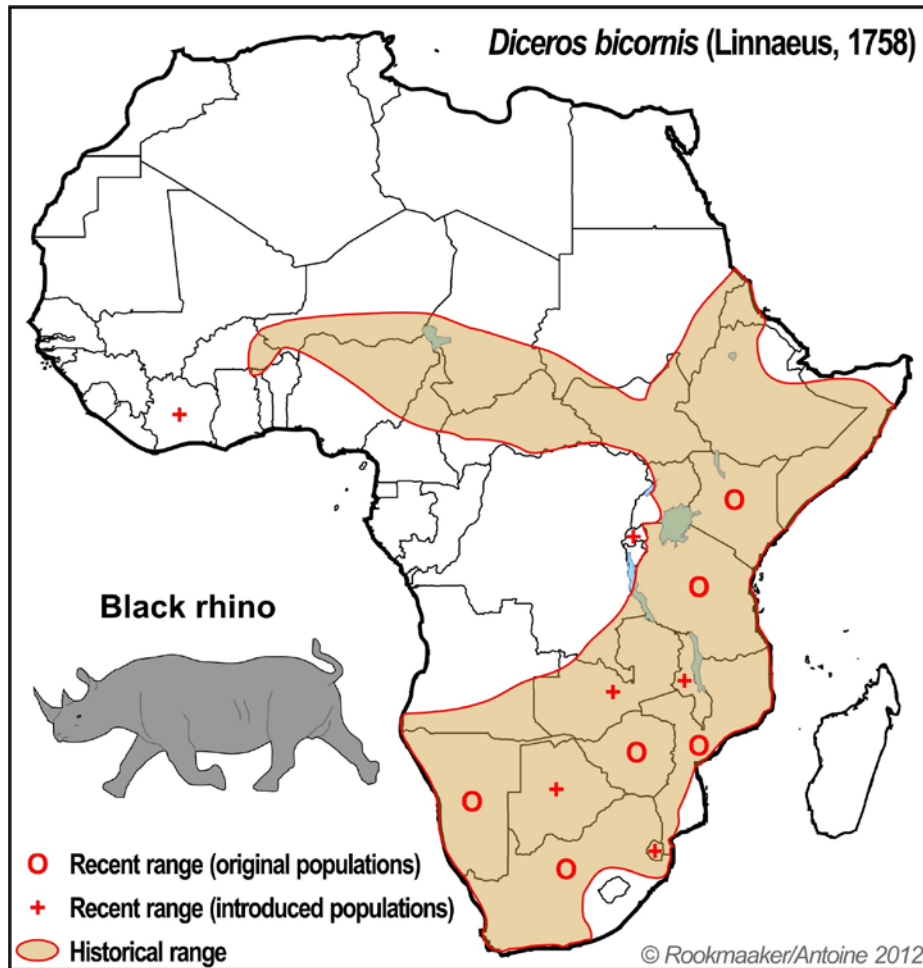
Of these, 17,179 or 95 percent are available as PDF and searchable.

Below I have listed new entries published in the 21st century in four categories: General (all species), African rhinos, Asian rhinos and Fossil rhinos.

If you are interested in one of these titles, always check the [RRC website](#) first, because most are available there.

### NEW BOOKS AND GENERAL PUBLICATIONS

- Chen, Yuan-peng, 2010. Reality and imagination in the knowledge of traditional natural history: a study based upon the rhinoceros and rhinoceros horn. *National Chengchi University, History Journal* 33 (5): 1-82.
- CITES Committee II, 2013. Rhinoceroses: draft decisions of the Conference of the Parties. Report to CITES Doc CoP16-Com-II-24: pp.1-4.
- CITES Committee II, 2013. Rhinoceroses: Summary record of the ninth session of Committee II. Report to CITES Doc CoP16-Com-II-Rec-09: pp.1-4.
- Gerritsen, W.P., 2007. De eenhoorn en de apothekers: Opvattingen omtrent de antitoxische werking van 'eenhoornhoorn' in het laatste kwart van de 16e en het eerste kwart van de 17e eeuw. *Gewina* 30: 1-10.
- Gerritsen, W.P., 2007. De eenhoorn, de Bijbel en de Physiologus: de metamorfose van een Oud-Indische mythe. *Queeste, Tijdschrift over Middeleeuwse Letterkunde* 14 (1): 78-87.
- Heuts, S., 2013. Poeder te populair in Vietnam. *Brabants Dagblad* 12 March 2013.
- Prose, F.; Armstrong, M.S. (illustrator), 2009. *Rhino, rhino, sweet potato*. New York, HarperCollins, pp. 1-30.
- Rookmaaker, L.C., 2013. Family Rhinocerotidae - Rhinoceroses. In: Kingdon, J. & Hoffmann, M. (eds) 2013. *Mammals of Africa, volume V: Carnivores, Pangolins, Equids and Rhinoceroses*. London, Bloomsbury Publishing, 444-445.
- Rookmaaker, L.C., 2013. Letter to the Editor: Internet resources of publications by Gustave Loisel, author of *Histoire des Menageries* (1912). *International Zoo News* 60 (1): 51.
- Schuerer, U., 2012. Neue Huftiertaxonomie verursacht Probleme. *Milu, Berlin* 13 (6): 866-873.
- Wyhe, J. van; Rookmaaker, L.C., 2013. Wallace's mystery flycatcher. *Raffles Bulletin of Zoology* 61 (1): 1-5, figs. 1-3.



This, and other range maps of African rhino species are [now available](#) on the RRC.

## NEW PUBLICATIONS ON AFRICAN RHINOS

Anonymous, 2013. Anna Merz: Fearless conservationist who devoted much of her life to saving the endangered rhinoceros in Africa. *Times (London)* 15 April 2013.

Anonymous, 2013. Going after rhino horn trade. *ENV Wildlife Crime Vietnam* March 2013: 3.

Biggs, D.; Courchamp, F.; Martin, R.; Possingham, H.P., 2013. Legal trade of Africa's rhino horns. *Science Magazine* 339 (1 March): 1038-1039.

Bothma, J. du P., 2012. Die swartrenoster. *Game & Hunt* Dec 2012: 1-4.

Buk, K.G.; Knight, M.H., 2012. Habitat suitability model for black rhinoceros in Augrabies Falls National Park, South Africa. *South African Journal of Wildlife Research* 42 (2): 82-93.

Cain, B.; Watts, P.C.; Wandera, A.B.; Stevens-Wood, B.; Shawcross, S.G., 2013. A reliable, single-step method for gender determination in black rhinoceros from low-copy template DNA. *Conservation Genetics Resources* 2013.

Chomba, C.; Squarre, D.; Kamboyi, H., 2012. Notes on black rhino mortalities in North Luangwa National Park, Zambia. *Pachyderm* 52: 88-90.



African Rhinos – continued

- Cota-Larson, R., 2013. Rhinos from South Africa to China: a troubling timeline. South Africa, Annamiticus, pp. 1-15.
- Cromsigt, J.P.M.; te Beest, M., 2012. Do white rhino increase resource heterogeneity in KNP's savanna grasslands?. *Proceedings of 10th Annual Savanna Science Networking Meeting in Skukuza, KNP* (March 13-18, 2011), pp. 1-26.
- Damm, G.H., 2013. Namibia: Black rhino poached in Kunene Region. *African indaba, e-newsletter* 11 (1): 13.
- Damm, G.H., 2013. The rhino debate - where is the plan. *African indaba, e-newsletter* 11 (1): 2-3.
- Emslie, R.; Adcock, K., 2013. Dicerus bicornis, Black rhinoceros. In: Kingdon, J. & Hoffmann, M. (eds) 2013. *Mammals of Africa, volume V: Carnivores, Pangolins, Equids and Rhinoceroses*. London, Bloomsbury Publishing, pp. 455-466.
- Ewague, A.; El Graoui, M.; Boumaggard, E.H., 2013. Les représentations gravées de rhinocéros dans le Haut Atlas marocain (The rhinoceros engravings in the Moroccan High Atlas). *Anthropologie* 2013.
- Falberg, A., 2013. "The living are getting rarer": the causes and consequences of the international trade in white rhinoceros horns under the Convention on International Trade in Endangered Species. *Journal of Law and International Affairs* 2 (1): 182-236.
- Fischer, C., 2010. Does trade help or hinder the conservation of natural resources. *Review of Environmental Economics and Policy* 4 (1): 103-121.
- Fourie, G., 2012. Habitat vir Swartrenosters. *Game & Hunt* Dec 2012: 5-8.
- Fraser, T., 2013. Bertie's most dire plight. *Wildlife Ranching* 2013 Autumn: 69-72.
- Harper, C.; Peppin, L.; Ludwig, A.; Bierman, A., 2010. DNA-Based identification of individual White Rhinoceros (*Ceratotherium simum*) from horn and other samples for forensic use. *Proceedings of 8th Annual Savanna Science Networking Meeting in Skukuza, KNP* (March 13-18, 2011), pp. 1-7.
- Hatcher, J.; Low, V., 2013. Prince strikes a blow for rhino. *The Times (London)* 3 January 2013.
- Jenkins, E., 2012. It takes a village: Namibia's innovative approach to the problem of rhino poaching. *Flamingo Magazine* Spring 2012: 42-46.
- Jooste, J., 2013. Crime justice. *Wildlife Ranching* 2013 Autumn: 60-65.
- Knight, M.H., 2012. African Rhino Specialist Group Chair report. *Pachyderm* 52: 7-19.
- Knight, M.H.; Balfour, D.; Emslie, R.H., 2013. Biodiversity management plan for the black rhinoceros (*Dicerus bicornis*) in South Africa 2011-2020. *Government Gazette (South Africa)* no. 36096 (25 January 2013): 5-76.
- Koross, K., 2013. Untouchable lords of poaching in Samburu. *The Star (Kenya)* 29 January 2013.
- Lewa Wildlife Conservancy, 2012. [Notes]. *Newsletter Lewa Wildlife Conservancy* no. 34: 1-12.
- Linklater, W.L.; Mayer, K.; Swaisgood, R.R., 2013. Chemical signals of age, sex and identity in black rhinoceros. *Animal Behaviour*.
- Martin, E.B.; Vigne, L., 2012. Lagos: Africa's biggest domestic ivory market?. *Traffic Bulletin* 24 (2), 43.



## African Rhinos – continued

- Morar, D.; Godfroid, J.; Tijhaar, E.; Negrea, A.S.; Michael, A.L.; Rutten, V.P.M.G., 2005. Cloning, sequencing and expression of white rhinoceros (*Ceratotherium simum*) Interferon-gamma (IFN-g) and the production of rhinoceros IFN-g specific antibodies. *Proceedings of the 5th Annual Kruger Network Meeting*: pp. 1-24 (powerpoint presentation).
- Oberem, P., 2013. Review of Rademeyer, Killing for profit. *Wildlife Ranching* 2013 Autumn: 98-99.
- Owen-Smith, N., 2013. *Ceratotherium simum*, White rhinoceros. In: Kingdon, J. & Hoffmann, M. (eds) 2013. *Mammals of Africa, volume V: Carnivores, Pangolins, Equids and Rhinoceroses*. London, Bloomsbury Publishing, pp. 446-454.
- Patton, F., 2013. It's not just the human-wildlife conflict, there's wildlife-wildlife too. *Swara, Nairobi* January-March 2013: 46-49.
- Patton, F., 2013. Senseless slaughter [poaching on Solio, Kenya]. *Swara, Nairobi* January-March 2013: 28-29.
- Patton, F.; Campbell, P.; Genade, A.; Ayiko, R.; Lutalo, G., 2012. Dispersal and social behaviour of the three adult female white rhinos at Ziwa Rhino Sanctuary in the immediate period before, during and after calving. *Pachyderm* 52: 66-71.
- Rookmaaker, L.C., 2013. Genus *Ceratotherium* (White rhinoceros). In: Kingdon, J. & Hoffmann, M. (eds) 2013. *Mammals of Africa, volume V: Carnivores, Pangolins, Equids and Rhinoceroses*. London, Bloomsbury Publishing, 445.
- Rookmaaker, L.C., 2013. Genus *Diceros* (Black rhinoceros). In: Kingdon, J. & Hoffmann, M. (eds) 2013. *Mammals of Africa, volume V: Carnivores, Pangolins, Equids and Rhinoceroses*. London, Bloomsbury Publishing, 455.
- Rookmaaker, L.C.; Antoine, P.O., 2012. New maps representing the historical and recent distribution of the African species of rhinoceros: *Diceros bicornis*, *Ceratotherium simum* and *Ceratotherium cottoni*. *Pachyderm* 52: 91-96.





## African Rhinos – continued

- Schuemann, B., 2013. Unheimliche Begegnung mit drei Tonnen Angriffslust. *Frankfurter Allgemeine Zeitung* 28 Feb 2013.
- Schwabe, F.; Göttert, T.; Noack, J.; Starik, N.; Zeller, U., 2013. Investigating the behavior and physiology of a re-introduced black rhino (*Diceros bicornis*) founder group in Namibia with emphasis on camera traps. *Savanna Science Network Meeting* No. 11 (Kruger National Park, 3-8 March 2013): 78.
- Shaw, J.A.; Owen-Smith, N., 2007. Diet selection and browsing impact in a re-introduced black rhino population. *Proceedings of the 5th Annual Kruger Network Meeting*: pp. 1-25 (powerpoint presentation).
- Smith, J.M., 2013. Rhino trackers à la Sherlock Holmes. *Travel News Namibia* (website): 1-9.
- South African national Parks, 2013. Rhino poaching interventions and SA's position to the 16th CITES CoP. News release, 28 Feb 2013.
- Steyn, N., 2013. The rise of environmental education. *Wildlife Ranching* 2013 Autumn: 90-94.
- Stringer, A., 2012. Investigating the parasites of black rhinoceros (*Diceros bicornis*). Report to Mare,ami Nature Reserve, South Africa: pp. 1-3.
- t Sas Rolfes, M., 2013. Species under siege. *Wildlife Ranching* 2013 Autumn: 10-15.
- Toit, R.du; Anderson, N., 2013. Dehorning rhinos. *Wildlife Ranching* 2013 Autumn: 82-85.
- Traffic (UK), 2012. Seizures and prosecutions: Rhinoceros. *Traffic Bulletin* 24 (2), 80-81.
- WESSA (Wildlife and Environment Society of South Africa), 2012. Kinds caring for the earth: saving rhinos. *Envirokids* 33 (4): 1-32.
- WESSA (Wildlife and Environment Society of South Africa), 2012. *Position statement: Rhino poaching*. Johannesburg, Wessa, pp. 1-7.

## NEW PUBLICATIONS ON ASIAN RHINOS

- Baral, A.N., 2013. *Impacts of wildlife tourism on poaching of Greater One-horned Rhinoceros (*Rhinoceros unicornis*) in Chitwan National Park, Nepal*. Thesis submitted to Lincoln University, USA, pp. 1-172.
- Gautam, D.N., 2013. Assessment of wild ungulates in the Karnali Flood Plain of Bardia National Park, Nepal. *International Journal of Conservation Science* 4 (1): 87-94.
- Groenenberg, D.S.J.; Courcy, C.de; Linnie, M.; Oosterweghel, L., 2012. On the identity of the first rhinoceros owned by of the Dublin Zoo (†1865); genetic characterisation of a poorly preserved museum specimen. In: Groenenberg, D. 2012. *Molecular taxonomy and natural history collections*. Ph.D. Thesis at the University of Leiden, pp. 183-195.
- Hadiansyah Putra, R., 2013. Sumatran rhino protection in Leuser Ecosystem, Indonesia. Abstract of presentation at the Future for Nature Awards in Burgers Zoo, Arnhem: pp. 1-2.
- Kan Yaw Chong, 2013. Experts: state of emergency facing Sabah's Sumatran rhino. *Daily Express (Sabah)* 7 April 2013: 10.
- Kan Yaw Chong, 2013. Tam may head for Cincinnatti as experts wept. *Daily Express (Sabah)* 14 April 2013: 10.





## Asian Rhinos – continued

- Hariyadi, A.R.; Alikodra, H.S.; Priambudi, A.; Setiawan, R.; Daryan, D.; Purnama, H.; Yayus, A., 2012. Optimizing habitat of Javan rhinoceros (*Rhinoceros sondaicus*) in Ujung Kulon National Park by reducing the invasive palm (*Arenga obtusifolia*) and promoting the growth of food plant species. *Pachyderm* 52: 49-54.
- Midha, N.; Mathur, P.K., 2010. Assessment of forest fragmentation in the conservation priority Dudhwa Landscape, India using FRAGSTATS computed class. *Journal of the Indian Society of Remote Sensing* 38 (Special issue on Biodiversity and Landscape Ecology): 487-600.
- Pradhan, N.M.B., 2007. A landscape approach in conserving large mammals: a case study from western terai, Nepal. *The Initiation* 2007: 1-12.



Unique watercolour by Charles Hamilton Smith. This and other rhino and elephant items available at \$15,000 each. Contact me to express interest.

- Santosa, Y.; Rahmat, U.M.; Prasetyo, L.B.; Kartono, A.P., 2013. Javan Rhino (*Rhinoceros sondaicus* Desmarest 1822) utilization distribution and habitat selection in Ujung Kulon National Park. *Journal of Tropical Forest Management* 19 (1): 31-38.
- Saputra, A.E., 2012. *Anatomi otot daerah panggul dan paha badak sumatera (Dicerorhinus sumatrensis)*. Thesis presented to the University of Bogor, pp. 1-22.
- Susanti, H., 2012. *Anatomi otot daerah bahu dan lengan atas badak sumatera (Dicerorhinus sumatrensis)*. Thesis presented to the University of Bogor, pp. 1-24.
- Talukdar, B.K., 2012. Asian Rhino Specialist Group report. *Pachyderm* 52: 20-22.
- Talukdar, B.K., 2013. Partnership key to wildlife conservation efforts in Assam. *Assam Newspaper* 10 March 2013: 8.
- Ujung Kulon Authority, 2012. Names of 35 Javan rhinoceros identified in Ujung Kulon National Park, with photographs. Indonesia, pp. 1-35.
- Vietnam (Cites), 2013. Species trade and Conservation: Rhinoceros - Inf.24: Illegal trade of rhinoceros horn in Viet Nam. Report to CITES CoP16 Inf.24: pp.1-2.
- Wildlife Trust of India, 2012. *Born to be wild: Greater one-horned rhinoceros rehabilitation*. Delhi, WTI.



## NEW PUBLICATIONS ON FOSSIL RHINOS

Section in RRC edited by Emmanuel Billia and Dan Ziegler.

With special thanks to Vlad Codrea and Athanassios Athanassiou for their recent contributions on fossil rhinos.

- Adamenko, O.M.; Stel'makh, O.P.; Manyuk, O.P.; Zorin, D.O.; Radlovc'ka, K.O.; Andrukhiv, O.C.; Savchuk, L.I., 2010. [Landscape-ecological organization of the "L'odovik Period Park" at Starunia in Ciskarpathian area] [in Ukrainian, Russian & English abstr-s]. *Ekologichna Bezneka ta zbalansovane Resurcokoristuvanya (Paleoekologia)*, Kiiv: pp. 60-64, 4 figs.
- Alcaz, V.; Isicico, E.; Lungu, A.; Sirodov, Gh.; Sirodov, I.; Volontir, N.; Zaicenco, A., 2012. *Atlas Geografie Fizica Generala – clasa X-a*. Institutul de Ecologie si Geografie, Universitatea de Stat din Tiraspol (cu sediul la Chisinau) in colab. cu Intreprind. De Stat Institutul de Geodezie "Ingeocad", Chisinau: pp. 26-27 (particulars).
- Anonymous, 2012. Rhino anatomy – Old (& new!) research helping animals today. [from the internet site - <http://www.facebook.com/>].
- Ballatore, M.; Breda, M., 2013. *Stephanorhinus hundsheimensis* (Rhinocerotidae, Mammalia) teeth from the early Middle Pleistocene of Isernia La Pineta (Molise, Italy) and comparison with coeval British material. *Quaternary International* (in press): 15 pp., 7 figs, 3 tabs.
- Becker, D.; Antoine, P.O.; Maridet, O., 2013. A new genus of Rhinocerotidae (Mammalia, Perissodactyla) from the Oligocene of Europe. *Journal of Systematic Palaeontology* DOI:10.1080/14772019.2012.699007.
- Billia, E.M.E.; Ziegler, D., 2012. *Rhinocerotidae Gray, 1825 (= Rhinocerotidae Gill, 1872). Bibliography of Selected Papers – Références Bibliographiques – Bibliografia – Bibliografya – Riferimenti Bibliografici – Addenda 2012. Studii si cercetari (s. Geology-Geography), Complexul Muzeal Bistrita-Nasaud, Natural Sciences Section, Bistrita; 17: 15-50.*
- Blain, H.A.; Bailon, S.; Agusti, J., 2008. Amphibians and squamate reptiles from the latest early Pleistocene of Cueva Victoria (Murcia, southeastern Spain, SW Mediterranean) – Paleobiogeographic and paleoclimatic implications. *Geologica Acta* 6 (4): 345-361. [doi:10.1344/105.000000262].
- David, A.; Obada, Th., 2004. La faune de mammifères et l'âge géologique des dépôts Poratiens de "Râpa Scortsescu". *Travaux de l'Institut de Speologie Emile Racovitza, Bucaresti*; XLIII (2004) – XLIV (2005): 269-279.
- Deng, Tao; Wang, ShiQi; Hou, SuKuan, 2012. A bizarre tandem-horned elasmotherine rhino from the Late Miocene of northwestern China and origin of the true elasmotherine. *Chinese Science Bulletin (Geology)*: pp. 1-7, 4 figs, 1 tab. [doi: 10.1007/s11434-012-5574-4].
- Dong Mingxing; Zhang Xiangxin; Niu Shuyin; Pang Qiqing; Bian Honghao; Zhang Qian, 2011. Palaeoloxodon-Coelodonta fauna of the later Late Pleistocene and its palaeoclimate in Shijiazhuang area Hebei Province. *Journal of Palaeogeography* 13 (4): 419-425.



## Fossil Rhinos – continued

- Eremeyko, N., 2002. [Plio-Pleistocene rhinoceroses of the Republic of Moldova, their stratigraphical and palaeogeographical significance] [in Russian, Romanian & English abstr-s]. Dissertazya na soiskanie uchenoy stepeni dr-a biologicheskikh nauk [PhD dissertation thesis], AN Respubliki Moldova (Institut Zoologii), Chisinau: pp. 1-113, numerous figs & tabs.
- Fruyer, D.W., 2006. The Krapina Neandertals – A Comprehensive, Centennial, Illustrated Bibliography. Hrvatski Prirodoslovni Muzej [Croatian Museum of Natural History], Zagreb: pp. 220 pp.
- Garcia-Fernandez, D.; Galobart, A.; Ros, X.; Cerdano, E., 2001. Stephanorhinus etruscus (Rhinocerotidae) en el Villafranquiense de Crespià (Girona, NE de la Península Ibérica). *Revista Espanola de Paleontologia, Sabadell*; 16 (1): 145-160, 6 figs, 16 tabs.
- Grossi, F.; Pandolfi, L., 2012. Investigation on the vertebrate remains from Monte delle Piche (Rome, Central Italy). *Rendiconti Online della Società Geologica Italiana* 21: 1092-1093, 1 fig.
- Handa N.; Nakaya, H.; Nakatsukasa, M.; Kanimatsu, Y., 2012. The Late Miocene Elasmotheriini (Rhinocerotidae, Mammalia) from the Namurungule and Nakali Formations of northern Kenya. Japan Geoscience Union Meeting 2012, Chiba, Japan.
- Kahlke, H.-D., 2001. Die Rhinocerotiden-Reste aus dem Unterpleistozän von Untermassfeld (in Kahlke R.-D., ed: *Das Pleistozän von Untermassfeld bei Meiningen, Thüringen – Teil 2*). Monographien des Römisch-Germanischen Zentralmuseums Mainz, Dr R. Habelt GmbH, Bonn 40 (2): 501-556, pls 78-91, 19 figs, 59 tabs.
- Kingston, J.D.; Harrison, T., 2007. Isotopic dietary reconstructions of Pliocene herbivores at Laetoli: Implications for early hominin paleoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology* 243: 272–306.



Mummified Woolly Rhino, Haus der Natur, Salzburg



Fossil Rhinos – continued

- Kuzmin, Y.V., 2013. Comment on: “Extinction chronology of the woolly rhinoceros *Coelodonta antiquitatis* in the context of late Quaternary megafaunal extinctions in northern Eurasia” by A.J. Stuart and A.M. Lister [Quat. Sci. Rev. 51 (2012), 1–17]. *Quaternary Science Reviews* 62: 142-143.
- Lister, A.M.; Stuart, A.J., 2013. Extinction chronology of the woolly rhinoceros *Coelodonta antiquitatis*: reply to Kuzmin. *Quaternary Science Reviews* 62: 144-146.
- Matoshko, A.V.; Gozhik, P.F.; Danukalova, G., 2004. Key Late Cenozoic fluvial archives of eastern Europe: the Dniester, Dnieper, Don and Volga. *Proceedings of the Geologists' Association* 115: 141-173, 14 figs.
- Mazo, A. V.; Salesa, M. J.; Sanchez, I. M., 2002. Dos nuevos puntos fosiliferos con macromamiferos del Aragoniense de la cuenca de Montalban (Teruel, Espana). *Revista Espanola de Paleontologia* 17 (2): 269-283.
- Mendoza, M.; Janis, Ch.M.; Palmqvist, P., 2005. Ecological patterns in the trophic-size structure of large mammal communities – A “taxon-free” characterization. *Evolutionary Ecology Research* 7: 505-530.
- Miyata, K.; Saegusa, H.; Nakaya, H.; Ugai, H.; Kato, T.; Nakata, A.; Hattori, H.; Akashi, N.; Handa, N.; Nakatani, D.; & eleven other, 2012. Early Miocene rhinocerotid specimen from the "Takashima Formation", Takashima island (Taka Island), Matsuura City, Nagasaki Prefecture. Abstracts of the 161st Regular Meeting of the Paleontological Society of Japan, Gunma, Japan.
- Murakami, Tatsuro; Miyata, Kazunori; Kato, Takafumi; Nakaya, Hideo, 2012. Rhinocerotid (Mammalia, Perissodactyla) fossil from Takashima Island, Nagasaki, Kyusyu, Japan. Japan Geoscience Union Meeting 2012, Chiba, Japan.
- Nicoara, I., 2011. Professor Aleksandru Nikolae Lungu (1936-2011) (in Lungu A. & Rzebik-Kowalska B., eds: *Faunal Assemblages, Stratigraphy and Taphonomy of Late Miocene Localities in the Republic of Moldova*). Institut of Systematic and Evolution of Animals, Polska Akademia Nauk, Kraków: pp. 5-6, 1 photograph.
- Nicoara, I.N., 2013 [Stratigraphic Position and Fossil Fauna of the Final Miocene Continental Formation from Moldavian Plateau] [in Russia, w/ Romanian & English abstr-s]. Avtoreferat dissertazii na soiskanie uchenoy stepeni Doktora Geologo-mineralogicheskikh Nauk n° 04.00.09 – Paleontologiya i Stratigrafya, Akademya Nauk Moldovy, Institut Geologii i Seysmologii, Izd-tipografsky Zentr MoldGU, Kishineu: 27 pp., 1 fig, 1 tab.
- Obada, Th., 2013. Professor Aleksandru N. Lungu – In memory of his very fecund life (unpublished): pp. 1-2, 2 photographs.
- Pandolfi, L., 2011. Il cranio di *Stephanorhinus hemitoechus* (Falconer, 1859) di Fosso Malafede (Vitinia, Roma) con note sulla prima presenza della specie in Italia. *Il Quaternario (Italian Journal of Quaternary Sciences)*, Roma; 24 (2): 25-32, 3 figs, 2 tabs.
- Pandolfi, L., 2011. *Stephanorhinus kirchbergensis* (Jäger, 1839) from the Middle Pleistocene site of Riano (Roma, Central Italy). *Il Quaternario (Italian Journal of Quaternary Sciences)*, Roma; 24 (1): 103-112, 2 figs, 7 tabs.



Fossil Rhinos – continued



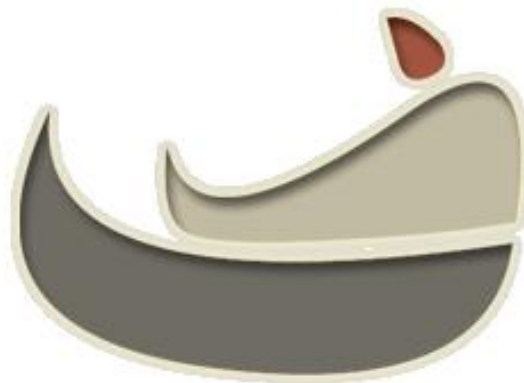
Artist's impression of a Elasmotherium

- Pandolfi, L.; Petronio, C., 2011. *Stephanorhinus etruscus* (Falconer, 1868) from Pirro Nord (Apricena, Foggia, Southern Italy) with notes on the late Early Pleistocene rhinoceroses of Italy. *Rivista Italiana di Paleontologia e Stratigrafia, Milano*; 117 (1): 173-187, 10 figs, 5 tabs.
- Pandolfi, L.; Petronio, C.; Salari, L., 2013. Catastrophic death assemblages from the Late Pleistocene of Italy – The case of Avetrana karst filling (Taranto, Southern Italy). *Rivista Italiana di Paleontologia e Stratigrafia, Milano*; 119 (1): 109-124, 11 figs, 2 pls, 4 tabs.
- Petrucci, M. ; Sardella, R., 2009. *Ursus etruscus* Cuvier, 1823 from the Early Pleistocene of Monte Argentario (Southern Tuscany, Central Italy). *Bollettino della Società Paleontologica Italiana, Modena*; 48 (2): 89-94.
- Plicht H. v. d.; Post, K.; Mol, D., 2012. Over aasvliegen en een mammoetkalf uit de Eurogeul. *Cranium, Utrecht* 29 (2): 14-19.
- Rook, L.; Croitor, R.; Delfino, M.; Ferretti, M.P.; Gallai, G.; Pavia, M., 2013. The Upper Valdarno Plio-Pleistocene vertebrate record – An historical overview, with notes on palaeobiology and stratigraphic significance of some important taxa. *Italian Journal of Geosciences (Bollettino della Società Geologica Italiana)*, Roma; 132 (1): 104-125, 26 figs. [doi:10.3301/IJG.2012.16].



## Fossil Rhinos – continued

- Schreve, D.; Howard, A.; Carrant, A.; Brooks, S.; Buteux, S. ; Coope, R.; Crocker, B.; Field, M.; Greenwood, M.; Greig, J.; Toms, Ph., 2013. A Middle Devensian woolly rhinoceros (*Coelodonta antiquitatis*) from Whitemoor Haye Quarry, Staffordshire (UK) – Palaeoenvironmental context and significance. *Journal of Quaternary Science* 28 (2): 118-130, 12 figs.
- Sel'skiy, V.K., 2008. Stratigrafichna Pam'yatka "Chudo Staruniya" ta ii Geologichne Minule [Stratigraphy of the site "Chudo Staruniya" (Wonderful Starunia") and its geological past] [in Ukrainian, English abstr.]. *Visnik Prikarpat'skogo Nazional'nogo Universitetu im. "V. Stefaniuk", serya Biologiya (Paleontol.), Minist. Osviti i Nauki Ukraini, Ivano-Frankivs'k*; X: 67-87, 1 tab, 20 plates, 3 figures.
- Yakovlev, A.; Danukalova, G.; Osipova, E., 2013. Biostratigraphy of the Upper Pleistocene (Upper Neopleistocene) of the Southern Urals. *Quaternary International* 292: 150-167, 3 figs, 7 tabs.



## [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 seven books on African exploration and on the rhinoceros, as well over two hundred shorter publications, many in peer-reviewed journals. He works as a Senior Research Fellow on [Darwin Online](#) and [Wallace Online](#).