



Pachyderm

Journal of the African Elephant, African Rhino and Asian Rhino Specialist Groups

July 2016—June 2017

No. 58

Managing Editor Suzannah Goss

Section Editors Deborah Gibson–African Elephants Kees Rookmaaker–African and Asian Rhinos

Editorial Board

Holly T Dublin Richard Emslie Deborah Gibson Mike Knight Esmond Martin Benson Okita-Ouma Robert Olivier Bibhab K Talukdar Lucy Vigne Justine Cordingley

Copy Editors

Andrew Halliday Suzannah Goss

Design and Layout Roshni Peshavaria Suzannah Goss

Address all correspondences, including enquiries about subscription, to

The Managing Editor, Pachyderm PO Box 68200–00200 Nairobi, Kenya Tel: +254 20 249 3561/65 Email: pachydermeditor@gmail.com Website: http://www.iucn.org/african_elephant http://pachydermjournal.org

Reproduction of this publication for educational or other non-commercial purposes is authorized without written permission from the copyright holder provided the source is fully acknowledged.

1 Chair reports / Rapports des Presidénts

1 African Elephant Specialist Group report/ Rapport du Groupe de Spécialistes de l'Eléphant d'Afrique

Holly T Dublin

17 African Rhino Specialist Group report/ Rapport du Groupe de Spécialistes du Rhinocéros d'Afrique *Mike Knight*

 Asian Rhino Specialist Group report/ Rapport du Groupe de Spécialistes du Rhinocéros d'Asie
Bibhab K Talukdar

40 Research

- 40 Forage choice of the reintroduced black rhino and the availability of selected browse species at Majete Wildlife Reserve, Malawi *Krisztián Gyöngyi and Morten Elmeros*
- 51 A pathological condition in elephant dentition lan SC Parker

Cover caption: The Godfather, a dominant bull elephant commanded a small waterhole, keeping it all for himself for over an hour, while smaller and younger bulls waited their turn in the shade of wide-spreading acacia trees, or even the sun. All bulls around about respected and acknowledged him as the leader. This emerging "big tusker" is part of the last viable "big tusker" gene pool in African savanna elephants. Should he survive, in some 5-10 years from now he may become one of the finest elephants with tusks-to-the-ground left on the African continent.

©George Dian Balan 2015.



July 2016-June 2017

No. 58

Journal of the African Elephant, African Rhino and Asian Rhino Specialist Groups

- 58 Behaviour of post released translocated greater one-horned rhinoceros (*Rhinoceros unicornis*) at Manas National Park, Assam, India Deba Kumar Dutta, Amit Sharma, Rita Mahanta and Anindya Swargowari
- 67 A preliminary study of stakeholders' opinions and perceptions of elephants and elephant management in Botswana *Tempe SF Adams, Michael J Chase, Anna Attard and Keith EA Leggett*
- 77 Abundance and nutrient content of some food plants in Sumatran rhino habitat in the forest of Kutai Barat, East Kalimantan, Indonesia *Mukhlisi, Tri Atmoko, Ishak Yassir, Ridwan Setiawan and Arif Data Kusuma*
- 88 A tale of two African cities–Ivory trade comparisons in Khartoum/Omdurman and Addis Ababa Lucy Vigne
- 97 Coupling African elephant movement and habitat modeling for landscape availability-suitability-connectivity assessment in Kruger National Park *Wenjing Xu, Richard Fayrer-Hosken, Marguerite Madden, Chenay Simms, Lan Mu and Andrea Presotto*
- 107 The effects of elephants and fire on vegetation at Marakele National Park, South Africa Piet J van Staden, Hugo Bezuidenhout, Sam Ferreira and George J Bredenkamp

Colour Plates pp. i-viii

123 Management

- 123 The impact of fire and elephants on a mixed woodland in Liwonde National Park, Malawi: the results of a thirty-seven year study *Cornell Dudley*
- 135 Reconsidering the use of soy and alfalfa in southern white rhinoceros diets Christopher W Tubbs, Barbara S Durrant and Matthew R Milnes

Pachyderm

July 2016-June 2017

Journal of the African Elephant, African Rhino and Asian Rhino Specialist Groups

140 Field notes

140 Field note from CITES CoP 17 on elephants and the ivory trade Sebastien Korwin, Keith Lindsay and Rosalind Reeve

No. 58

- 144 The Chi Initiative: A behaviour change initiative to reduce the demand for rhino horn in Viet Nam Susie Offord-Woolley
- 148 The use of ear tufts to assist in the identification of individual black rhinos *Felix Patton*
- 152 The Sumatran rhino is one-of-a-kind *Colin Groves*
- 154 Ten-year outcomes from the introduction of black rhinos to a new area at Ol Pejeta Conservancy, Kenya Felix Patton, Samuel Mutisya and Petra Campbell
- 159 Early first white rhino calving and consequent foot problem *Felix Patton and Angie Genade*
- 161 A stakeholder assessment of human–elephant conflict in Benin Chabi AMS Djagoun, Hugues Akpona, Barthélémy Kassa, Nathan Gichohi, Philip Muruthi and Brice Sinsin

167 Review

- 167 Ivory: Power and Poaching in Africa John Frederick Walker
- 169 Vietnam's Illegal Ivory Trade threatens Africa's Elephants Suzannah Goss

171 Obituaries

- 171 Robert F Dodson tribute by Mike Korchinsky
- 173 Graham Child tribute by Brian Child and Ingrid Child
- 175 Charles Stuart Mackie tribute by Russell Taylor



July 2016-June 2017

Journal of the African Elephant, African Rhino and Asian Rhino Specialist Groups

177 Donor updates

- 177 Oak Foundation—Disrupting criminal networks, promoting and improving existing laws and building global capacity
- 178 African Fund for Endangered Wildlife—our emphasis on conservation education

No. 58

180 Guidelines for contributors

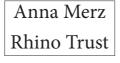
Donate to Pachyderm

To support the continued publication of *Pachyderm* and its contribution to the conservation and management of African elephants, African rhinos and Asian rhinos, please click <u>http://goo.gl/P2Czvk</u> to donate. Indicate *Pachyderm* in the organisation field.

Acknowledgements

The production of this issue of *Pachyderm* was possible through contributions from a number of organizations and individuals. In particular, we would like to thank the following:









Views expressed in *Pachyderm* are those of the individual authors and do not necessarily reflect those of IUCN, the European Union, the Species Survival Commission or any of the three Specialist Groups responsible for producing *Pachyderm* (the African Elephant Specialist Group, the African Rhino Specialist Group and the Asian Rhino Specialist Group).