

PROFESSIONAL PUBLICATIONS

STEFFEN OPPEL, PH. D.

Royal Society for the Protection of Birds • The Lodge •
Sandy, Bedfordshire SG19 2DL • +44-1767-693452 (office phone)
steffen.oppel@gmail.com (e-mail) • <http://www.steffen-oppel.com> (homepage)

Peer-reviewed

- Oppel, S., Federer, R., Powell, A. N., and Hollmén, T. 2010. Effects of lipid extraction on stable isotope ratios in avian egg yolk – is arithmetic correction an alternative? *Auk* 157 in press.
- Oppel, S. and Mack, A. L. 2010. Bird assemblage and visitation pattern at fruiting *Elmerrillia tsiampaca* (Magnoliaceae) trees in a lower montane rainforest in Papua New Guinea. *Biotropica* in press.
- Oppel, S. and Powell, A. N. 2010. Carbon isotope turnover in blood as a measure of arrival time in migratory birds. *Journal of Ornithology* in press.
- Oppel, S. and Powell, A. N. 2010. Age-specific survival estimates for King Eiders derived from satellite telemetry. *Condor* in press.
- Oppel, S. and Powell, A. N. 2009. Does winter region affect spring arrival body mass of king eiders in northern Alaska? *Polar Biology* 32: 1203-1209.
- Oppel, S., Dickson, D. L., and Powell, A. N. 2009. International importance of the eastern Chukchi Sea as a staging area for migrating king eiders. *Polar Biology* 32: 775-783.
- Oppel, S., Powell, A. N., and Dickson, D. L. 2009. Using an algorithmic model to reveal individually variable movement decisions in a wintering sea duck. *Journal of Animal Ecology* 78: 524-531.
- Oppel, S., Powell, A. N., and O' Brien, D. M. 2009. Using eggshell membranes as a non-invasive tool to investigate the source of nutrients in avian eggs. *Journal of Ornithology* 150: 109-115.
- Oppel, S. and Powell, A. N. 2008. Assigning king eiders to wintering regions in the Bering Sea using stable isotopes of feathers and claws. *Marine Ecology Progress Series* 373: 149-156.
- Oppel, S., Powell, A. N., and Dickson, D. L. 2008. Timing and distance of king eider migration and winter movements. *Condor* 110: 296-305.
- Michalski, J. and Oppel, S. 2007. *Papuagrion carcharodon* sp. nov. from southern New Guinea (Odonata, Coenagrionidae). *International Journal of Odonatology* 10: 81-86.
- Mack, A. L. and Oppel, S. 2006. Nidification of the Dwarf Whistler, *Pachycare flavogrisea*, a little-known New Guinea endemic. *Bulletin of the British Ornithologists' Club* 126: 61-64.
- Oppel, S. 2006. Using distance sampling to quantify Odonata density in tropical rainforests. *International Journal of Odonatology* 9: 81-88.
- Oppel, S. 2006. Comparison of two Odonata communities from a natural and a modified rainforest in Papua New Guinea. *International Journal of Odonatology* 9: 89-102.
- Oppel, S. 2006. Site fidelity and dispersal of adult *Neurobasis awamena* Michalski in tropical rainforest streams in Papua New Guinea (Zygoptera: Calopterygidae). *Odonatologica* 35: 357-365.

- Oppel, S. 2005. Long-term changes in the breeding community of coastal bird species on a small island - does natural succession compromise conservation values? *Biodiversity and Conservation* 14: 3407-3422.
- Oppel, S. 2005. Habitat associations of an Odonata community in a lower montane rainforest in Papua New Guinea. *International Journal of Odonatology* 8: 243-257.
- Oppel, S. 2005. Die Heuschreckenfauna der jungen Düneninsel Trischen im schleswig-holsteinischen Wattenmeer. *Drosera* 1/2005: 1-5.
- Oppel, S. and Beaven, B. M. 2004. Habitat use and foraging behaviour of Mohua (*Mohoua ochrocephala*) in the podocarp forest of Ulva Island, New Zealand. *Emu* 104: 235-240.
- Oppel, S. and Beaven, B. M. 2004. Survival and dispersal of mohua (*Mohoua ochrocephala*, Pachycephalidae) after transfer to Ulva Island, New Zealand. *Notornis* 51: 116.
- Oppel, S. and Beaven, B. M. 2004. Juvenile Stewart Island robins (*Petroica australis rakiura*) disperse up to 16 km. *Notornis* 51: 55-56.
- Oppel, S., Schaefer, H. M., Schmidt, V., and Schröder, B. 2004. How much suitable habitat is left for the last known population of the Pale-headed Brush-Finch? *Condor* 106: 429-434.
- Oppel, S., Schaefer, H. M., Schmidt, V., and Schröder, B. 2004. Habitat selection by the pale-headed brush-finch (*Atlapetes pallidiceps*) in southern Ecuador: implications for conservation. *Biological Conservation* 118: 33-40.
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- Oppel, S. and Stock, M. 2004. Reconsidering species extinctions in National Parks: a reply to Berger. *Conservation Biology* 18: 845-846.
- Oppel, S., Schaefer, H. M., and Schmidt, V. 2003. Description of the nest, eggs and breeding behavior of the endangered Pale-headed Brush-Finch in Ecuador. *Wilson Bulletin* 115: 360-366.
- Oppel, S. and Beaven, B. M. 2002. Stewart Island robins (*Petroica australis*) fly home after transfer to Ulva Island. *Notornis* 49: 180-181.
- Oppel, S. 2001. Die Vögel des Vehnemoores (Landkreis Cloppenburg). *Jahresbericht der Ornithologischen Arbeitsgemeinschaft Oldenburg* 16: 59-77.
- Oppel, S. and Steinborn, B. 2001. Brut- und Rastvögel der Klärschlammdeponie Edeweicht (Landkreis Cloppenburg) 1998-2000. *Jahresbericht der Ornithologischen Arbeitsgemeinschaft Oldenburg* 16: 30-58.

Under review

- Michalski, J. and Oppel, S. in review. Three new species of Argiolestes Selys (Odonata: Megapodagrionidae) from Papua New Guinea. *International Journal of Odonatology*.
- Oppel, S., Powell, A. N., and O'Brien, D. M. in review. Nutrient allocation in an arctic sea duck - king eiders use an income strategy to produce eggs. *Oecologia*.
- Oppel, S. and Powell, A. N. in review. Female King Eiders triple foraging effort in spring on breeding grounds in Alaska. To be submitted to *Condor*.

Non-refereed

- Opiel, S., Strobl, C., and Huettmann, F. 2009. Alternative methods to quantify variable importance in ecology. Technical Report No. 65, Department of Statistics, Ludwig-Maximilians Universität, München, Germany.
- Opiel, S. 2005. Increasing awareness of dragonflies in Papua New Guinea. *Agrion* 9: 15-16.
- Opiel, S. 2005. Odonata in the Crater Mountain Wildlife Management Area, Papua New Guinea. *IDF-Report* 7: 1-28.
- Opiel, S. 2004. Natural dynamics shaping the bird community on an island. *Wadden Sea Newsletter* 1/04: 11-12.
- Opiel, S. 2003. Hat Trischen als Vogelinsel ausgedient? *Wattenmeer International* 12/3: 17-18.

Online Data and Metadata

- Opiel, S. and Powell, A. N. 2009. Satellite telemetry of King Eiders in the western Arctic. Available at: <http://seamap.env.duke.edu/datasets/detail/487>
- Opiel, S. and Powell, A. N. 2008. Stable isotope ratios (C,N,S) from King Eider feathers, claws, muscle, body fat, blood plasma, and red blood cells collected in northern Alaska 2005-2007. Available at: <http://mercdev3.ornl.gov/nbii/>
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