

Baird, Pat Herron, 1990. Concentrations of Seabirds at Oil-drilling Rigs. *Condor* 92:768-771.

Baillie, S.M., G.J. Robertson, F.K. Wiese and U.P. Williams. 2005. Seabird data collected by the Grand Banks offshore hydrocarbon industry 1999-2002: results, limitations and suggestions for improvement. Canadian Wildlife Service Technical Report Series No. 434. Atlantic Region. v + 47 pp.

Blackwell, Bradley F., Travis L. DeVault, Thomas W. Seamans, Steven L. Lima, Patrice Baumhardt and Esteban Fernandez-Juricic, 2012. Exploiting avian vision with aircraft lighting to reduce bird strikes. *Journal of Applied Ecology* 2012, 49, 758–766.

Blew, Jan, Georg Nehls and Ursula Prahls, 2013. Offshore obstruction lighting - Issues and mitigation  
Conference on Wind power and Environmental impacts – Stockholm 5-7 Feb, 2013.

Burke, C. M., G. K. Dovoren, W. A. Montevecchi, and F. K. Wiese, 2005. Seasonal and Spatial Trends in Marine Birds along Support Vessel Transects and at Oil Platforms on the Grand Banks, pp 587-614 in *Offshore Oil and Gas Environmental Effects Monitoring: Approaches and Technologies*. Shelley L. Armsworthy, Peter J. Cranford and Kenneth Lee eds. Batelle Press, Columbus, Richland.

Deutschlander, Mark E., John B. Phillips and S. Chris Borland, 1999. The Case For Light-Dependent Magnetic Orientation In Animals. *The Journal of Experimental Biology* 202, 891–908

Evans-Ogden, L.J., 2002. Summary Report on the Bird Friendly Building Program: Effect of Light Reduction on Collision of Migratory Birds. Special Report for the Fatal Light Awareness Program (FLAP) (available from FLAP). 29 pages.

Gehring, Joelle, Paul Kerlinger and Albert M. ManvilleII, 2009. Communication towers, lights, and birds: successful methods of reducing the frequency of avian collisions. *Ecological Applications*, 19(2):505–514

Heiko Haupt und Ulrike Schillemeit, Lichtenanlagen bringen Zugvögel vom Kurs ab, *NuL* 43 (6), 2011, 165-170.  
[Search/spot Lights and Building Lighting Divert Migratory Birds Off Course: new investigations and a legal evaluation of these lighting systems]

Hernandez-Andres, Javier, Javier Romero, and Juan L. Nieves, 2001. Color and spectral analysis of daylight in southern Europe. *J. Opt. Soc. Am. A* 18(6):1325-1335.

Jensen, Kenneth Kragh, 2010. Light-dependent orientation responses in animals can be explained by a model of compass cue integration. *Journal of Theoretical Biology* 262: 129–141.

Jones, J. and Francis, C. M. 2003. The effects of light characteristics on avian

mortality at lighthouses. – J. Avian Biol. 34: 328–333.

Longcore, Travis and Catherine Rich, 2004. Ecological light pollution  
Front Ecol Environ 2(4): 191–198.

Longcore, Travis, Catherine Rich, and Sidney A. Gauthreaux, Jr., 2008. Height, Guy  
Wires, and Steady-burning Lights Increase Hazard of Communication Towers to  
Nocturnal Migrants: A Review and Meta-analysis. Auk 125(2):485–492.

Marquenie and Van der Laar (2004) Protecting migrating birds from offshore  
production. Shell E&P Newsletter, January 2004.

Marquenie, J. M., M. Donners, H. Poot and Steckel , 2013. Adapting the Spectral  
Composition of Artificial Lighting  
to Safeguard the Environment. [Industry Applications Magazine, IEEE](#) 19(2):56 – 62.

Mattfeld, H., F. Ehlers and M. Reichenbach, 2012. Optimizing the Lighting Equipment  
on the Mittelplate Drilling and Production Island in the German Wadden Sea Tidelands.  
Oil Gas European Magazine 2012 (2):90-93.

Mattfeld, Heiner, Fabian Ehlers and Marc Reichenbach, 2012. Optimizing the Lighting  
Equipment on the Mittelplate Drilling and Production Island in the German Wadden  
Sea Tidelands. Progress in Marine Conservation in Europe 2012.

[Merkel, Flemming Ravn and Kasper Lambert Johansen](#), 2011. Light-induced bird  
strikes on vessels in Southwest Greenland [Marine Pollution Bulletin](#) 62: 2330–2336

Merkel, Flemming R., 2010. Light-induced bird strikes on vessels in Southwest  
Greenland.  
Technical Report No. 84, Pinngortitaleriffik Greenland Institute Of Natural Resources

Mouritsen, Henrik, 2004. Cryptochromes and neuronal-activity markers colocalize in  
the retina of migratory birds during magnetic orientation.: Proc Nat Acad Sci 101(39):  
14294–14299, doi: 10.1073/pnas.0405968101

Mouritsen, Henrik and Thorsten Ritz, 2005. Magnetoreception and its use in bird  
navigation. Current Opinion in Neurobiology, 15(4):406–414.

L. Nilsson 2004: FÅGELKOLLISIONER MED ÖRESUNDSBRON 2003 (Bird strikes  
with the Öresund bridge 2003)

Phillips, John B., Rachel Muheim and Paulo E. Jorge, 2003. A behavioral perspective  
on the biophysics of the light-dependent magnetic compass: a link between directional  
and spatial perception? The Journal of Experimental Biology 213, 3247-3255.  
doi:10.1242/jeb.020792

Phillips, John B., Rachel Muheim and Paulo E. Jorge, 2010. A behavioral perspective on the biophysics of the light-dependent magnetic compass: a link between directional and spatial perception? *J Exp Biol* 213, 3247-3255 doi: 10.1242/jeb.020792

Poot, H., B. J. Ens, H. de Vries, M. A. H. Donners, M. R. Wernand, and J. M. Marquenie, 2008. Green light for nocturnally migrating birds. *Ecology and Society* 13(2): 47. <http://www.ecologyandsociety.org/vol13/iss2/art47/>

Russell, R.W. 2005. Interactions between migrating birds and offshore oil and gas platforms in the northern Gulf of Mexico: Final Report. U.S. Dept. of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA. OCS Study MMS 2005-009. 348 pp. <http://www.data.boem.gov/PI/PDFImages/ESPIS/2/2955.pdf>

Tasker, Mark L., Peter Hope Jones, Barry F. Blake, Tim J. Dixon and Andrew W. Wallis, 2011. Seabirds associated with oil production platforms in the North Sea. *Ringling & Migration*, 7:1, 7-14.

Troy, Jeff R., Nick D. Holmes, Joseph A. Veech and M. Clay Green, 2013. Using observed seabird fallout records to infer patterns of attraction to artificial light. *Endangered Species Research* 22: 225-234.

van de Laar, F. J. T. 2007. Green light to birds: Investigation into the effect of bird-friendly lighting. Report NAM locatie L15-FA-1. NAM, Assen, The Netherlands.

Wiese, Francis K., W. A. Montevecchi, G. K. Davoren, F. Huettman, A. W. Diamond and J. Linke, 2001. Seabirds at Risk around Off-shore Oil Platforms in the North-west Atlantic. *Marine Pollution Bulletin* 42(12):1285-1290.

Wiltschko, Roswitha, Katrin Stapput, Hans-Joachim Bischof and Wolfgang Wiltschko, 2007. Light-dependent magnetoreception in birds: increasing intensity of monochromatic light changes the nature of the response. *Front Zool.* 2007; 4: 5. doi: [10.1186/1742-9994-4-5](https://doi.org/10.1186/1742-9994-4-5)

Wiltschko, Roswitha and Wolfgang Wiltschko, 2009. Avian Navigation. *Auk* 126(4):717-743. <http://www.bioone.org/doi/full/10.1525/auk.2009.11009>

Wiltschko, Roswitha, Katrin Stapput, Peter Thalau, and Wolfgang Wiltschko, 2010. Directional orientation of birds by the magnetic field under different light conditions *J. R. Soc. Interface* April 6, 2010 7 Suppl 2 S163-S177; published ahead of print October 28, 2009 doi:10.1098/rsif.2009.0367.focus 1742-5662

Wiltschko, Roswitha, Lars Dehe, Dennis Gehring, Peter Thalau and Wolfgang Wiltschko, 2013. Interactions between the visual and the magnetoreception system:

Different effects of bichromatic light regimes on the directional behavior of migratory birds. *Journal of Physiology-Paris*, Volume 107, Issues 1–2, Pages 137–14  
<http://dx.doi.org/10.1016/j.jphysparis.2012.03.003>

Wiltschko, R. and W. Wiltschko, 2013. The magnetite-based receptors in the beak of birds and their role in avian navigation. *J Comp Physiol A* (2013) 199:89–98  
DOI 10.1007/s00359-012-0769-3

Wiltschko, Wolfgang, Ursula Monroe, Hugh Ford and Roswitha Wiltschko, 1993. Red Light Disrupts Orientation of Migratory Birds. *Nature* 364:525-527.

Wiltschko, Wolfgang and Roswitha Wiltschko, 2001. Light-dependent magnetoreception in birds: the behaviour of European robins, *Erithacus rubecula*, under monochromatic light of various wavelengths and intensities. *J Exp Biol* 204, 3295-3302.

Wiltschko, Wolfgang and Roswitha Wiltschko, 2002. Magnetic compass orientation in birds and its physiological basis. *Naturwissenschaften* 89:445-489. DOI: 10.1007/s00114-002-0356-5

Wiltschko, Wolfgang, Ursula Munro, Hugh Ford and Roswitha Wiltschko, 2003. Magnetic orientation in birds: non-compass responses under monochromatic light of increased intensity *Proc. R. Soc. Lond. B* (2003) **270**, 2133–2140 DOI 10.1098/rspb.2003.2476

Wiltschko, Wolfgang, Marcus Gesson, Katrin Stapput and Roswitha Wiltschko, 2004. Light-dependent magnetoreception in birds: interaction of at least two different receptors. *Naturwissenschaften* (2004) 91:130–134  
DOI 10.1007/s00114-003-0500-x

Wiltschko, Wolfgang, Andrea Möller, Marcus Gesson, Catrin Noll and Roswitha Wiltschko, 2004 Light-dependent magnetoreception in birds: analysis of the behaviour under red light after pre-exposure to red light. *J Exp Biol* 207, 1193-1202. doi: 10.1242/jeb.00873

**Reed, Jonathan Rodgers, 1986.**

Seabird Vision: spectral sensitivity and light attraction behavior. Thesis, University of Wisconsin, Madison.

## Chapter 1:

Chapter 1: Light attraction in endangered Procellariiform Birds: reduction by shielding upward radiation. [Jonathan R. Reed, John L. Sincock and Jack P. Hailman. *Auk* 102: 377-383.]

Chapter 2: Polarizing filters fail to reduce light attraction in endangered Procellariiform birds at Kauai Surf Resort.

Chapter 3: Night vision and light attraction in endangered Hawaiian seabirds: a test of short-wavelength rejection filters

UV and short wavelength rejection (yellow) filter reduced brightness of lights by 75% (for shearwaters) but still bright enough for human purposes

Chapter 4: Attraction of Hawaiian seabirds to lights: conservation efforts and effects of moon phase

Chapter 5: Extending the Dartnall nomogram to long wavelengths as illustrated by behavioral scotopic sensitivity functions for three tern species

Chapter 6: Nocturnal visual sensitivity of seabirds: near-ultraviolet light detection in Procellariiformes

Chapter 7: Scotopic and photopic spectral sensitivities of boobies