### Volume Title Page and Table of Contents

**Proceedings of the Royal Society B**

22 December 2006

volume 273 · number 1605 · pages 3021–3158

**Editorial: behavioural neuroscience editorial**

E. D. Ketterson

3021

Sexual selection predicts advancement of avian spring migration in response to climate change

C. N. Spottiswoode, A. P. Tøttrup & T. Coppack

3023

Genetic models of homosexuality: generating testable predictions

S. Gavrilets & W. R. Rice

3031

Altered host behaviour and brain serotonin activity caused by acanthocephalans: evidence for specificity

L. Tait, M.-J. Perrot-Minnot & F. Cézilly

3039

Environmental forcing as a main determinant of bloom dynamics of the *Chrysochromulina* algae


3047

Testing hypotheses of Pleistocene population history using coalescent simulations: phylogeography of the pygmy nuthatch (*Sitta pygmaea*)

G. M. Spellman & J. Klicka

3057

Life history and environmental variation interact to determine effective population to census size ratio

T. F. Turner, M. J. Osborne, G. R. Moyer, M. A. Benavides & D. Alò

3065

How do pathogen evolution and host heterogeneity interact in disease emergence?

A. Yates, R. Arista & R. R. Regoes

3075

New insights into neuropeptide modulation of aggression: field studies of arginine vasotocin in a territorial tropical damselfish

N. Santangelo & A. H. Bass

3085

Attraction independent of detection suggests special mechanisms for symmetry preferences in human face perception

A. C. Little & B. C. Jones

3093

Recurrent replacement of mtDNA and cryptic hybridization between two sibling bat species

Myotis mysto and *Myotis blythii*

P. Berthier, L. Escoufier & M. Ruedi

3101

Spontaneous gene flow from rapeseed (*Brassica napus*) to wild *Brassica oleracea*


3111

Anti-parasite treatment removes negative effects of environmental pollutants on reproduction in an Arctic seabird

J. O. Bustnes, K. E. Eriksst, S. A. Hansen, T. Tveraa, I. Folstad & J. U. Skaare

3117

Are apes really inequity averse?

J. Bräuer, J. Call & M. Tomasello

3123

Revised evidence for facultative sex ratio adjustment in birds: a correction

P. Cassey, J. G. Ewen & A. P. Møller

3129

Evolutionary games and population dynamics: maintenance of cooperation in public goods games

C. Hauert, M. Holmes & M. Doebeli

3131

Errata

3133

Indexes

3135

www.journals.royalsoc.ac.uk