

#### **AUTHOR INFORMATION PACK**

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### DESCRIPTION

First published in 1953, *Animal Behaviour* is a leading international publication and has wide appeal, containing critical reviews, original papers, and research articles on all aspects of animal behaviour. Book Reviews and Books Received sections are also included.

Growing interest in behavioural biology and the international reputation of *Animal Behaviour* prompted an expansion to monthly publication in 1989. *Animal Behaviour* continues to be the journal of choice for biologists, ethologists, psychologists, physiologists, and veterinarians with an interest in the subject.

### Research Areas include:

- Behavioural ecology
- Evolution of behaviour
- Sociobiology
- Ethology
- Behavioural psychology
- Behavioural physiology
- Population biology
- Sensory behaviour
- Navigation and migration

### **AUDIENCE**

Behaviourists, behavioural ecologists, behavioural neuroscientists, ethologists, evolutionary ecologists

## IMPACT FACTOR

2016: 2.869 © Thomson Reuters Journal Citation Reports 2017

## ABSTRACTING AND INDEXING

Scopus EMBiology

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## INTRODUCTION

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More general correspondence on matters relating to behavioural research is published, unrefereed, in the newsletters of ASAB and ABS. Such correspondence should be sent to the newsletter editors: Dr H. M. Rowland, Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ, UK (e-mail: asabnewslettereditor@gmail.com) for ASAB; Susan M. Bertram, Department of Biology, Carleton University, 1125 Colonel By Drive, Ottawa, ON K1S 5B6, Canada (e-mail: Sue\_Bertram@carleton.ca) for ABS.

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For other general correspondence:

The address of the UK office is: Dr A.K. Turner, Managing Editor, Animal Behaviour Editorial Office, School of Life Sciences, University of Nottingham, University Park, Nottingham NG7 2RD, U.K.(e-mail: angela.turner@nottingham.ac.uk).

The address of the US office is: Kris Bruner, Managing Editor, Animal Behaviour Editorial Office, Indiana University, 407 N. Park Avenue, Bloomington, IN 47408, U.S.A. (e-mail: krbruner@indiana.edu). Correspondence about book reviews handled through the North American office should be sent to: Dr P. Loesche, Department of Psychology, Box 351525, University of Washington, Seattle, WA 98195, U.S.A. (e-mail: loes@uw.edu).

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### Animal welfare

### Animal Welfare

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If the test statistic is conventionally quoted with degrees of freedom, these are presented as a subscript to the test statistic. For example:

ANOVA: F1,11 = 7.89, P = 0.017

Kruskal-Wallis test: H11 = 287.8, P = 0.001Chi-square test: X22 = 0.19, P = 0.91Paired t test: t12 = 1.99, P = 0.07 If the test is conventionally quoted with the sample size, this should follow the test statistic value. For example:

Spearman rank correlation: rs = 0.80, N = 11, P < 0.01 Wilcoxon signed-ranks test: T = 6, N = 14, P < 0.01 Mann-Whitney U test: U = 74, N1 = N 2 = 17, P < 0.02

P values for significant outcomes can be quoted as below a threshold significance value (e.g. P < 0.05, 0.01, 0.001), but wherever possible should be quoted as an exact probability value. Departure from a significance threshold of 0.05 should be stated and justified in the Methods. Marginally nonsignificant outcomes can be indicated as exact probability values or as P < 0.1. Nonsignificant outcomes should be indicated with an exact probability value whenever possible, or as NS or P > 0.05, as appropriate for the test.

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Regressions and analyses of variance. The significance of regressions should be tested with F or t but not the correlation coefficient r. R2 should be quoted with both regressions and parametric analyses of variance.

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Power tests. Where a significance test based on a small sample size yields a nonsignificant result, explicit consideration should be given to the power of the data for accepting the null hypothesis. Authors are referred to Thomas and Juanes (1996, Animal Behaviour, 52, 856-859) and Colegrave and Ruxton (2003, Behavioral Ecology, 14, 446-447) for guidance on the appropriate use of power tests. Providing a value for power based on a priori tests is preferred. Values of observed power are not appropriate. Authors should consider effect sizes and their confidence intervals in drawing conclusions regarding the null hypothesis.

*Transformations*. Where data have been transformed for parametric significance tests, the nature of the transformation and the reason for its selection (e.g.  $\log x$ , x 2, arcsine) should be stated.

## Discussion

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### Conclusions

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