ISSN 0962-7286

Animal Welfare

Vol 6 No 1 1997

Editorial

Articles

Pig welfare at slaughter

Fear-motivated aggression in dogs

Simple vs complex enrichment for macaques

Behaviour of hens on perches

A critical appraisal of the electric lance

Cage enrichment in laboratory cats

Technical contribution

Group housing of brushtail possums

Reports and comments

Book reviews

Books and videos received

UNIVERSITIES FEDERATION FOR ANIMAL WELFARE

https://doi.org/10.1017/S096272860003373X Published online by Cambridge University Press

Animal Welfare

ISSN 0962-7286

Editor-in-Chief: **James K Kirkwood**
Assistant Editor: **Lesley Diver (to 18.10.96)**
Scientific Officer: **Melissa Albentosa**
Development Officer: **Victoria Taylor**
Typesetter: **Samantha Griffin**

Universities Federation for Animal Welfare
8 Hamilton Close, South Mimms, Potters Bar, Herts EN6 3QD, UK
Tel: 01707 658202 Fax: 01707 649279

Section Editors

Farm animals
Professor Piet Wiepkema
Stationsweg 1
6861 EA Oosterbeek
The Netherlands

Zoo and wild animals
Dr Miranda Stevenson
Royal Zoological Society of Edinburgh
Edinburgh Zoo
Murrayfield
Edinburgh EH12 6TS, UK

Ethics and philosophy
Dr Marian Stamp Dawkins
Department of Zoology
University of Oxford
South Parks Road
Oxford OX1 3PS, UK

Companion animals
Dr Dennis C Turner
Institute for applied Ethology and
Animal Psychology (IEAP)
Vorderi Siten 30
Postfach 8816 Hirzel
Switzerland

Laboratory animals
Professor Jann Hau
Department of Comparative Medicine
University of Uppsala
Box 570
75123 Uppsala
Sweden

Editorial Advisers

Dr Robert Baker - ANZCCART, University of Adelaide
Dr M F Bouissou - Institut National de la Recherche Agronomique, France
Mr Roger Ewbank - Ealing, London W5
Dr Michael Festing - University of Leicester
Dr David Fraser - Centre for Food and Animal Research, Ottawa
Professor Benjamin Hart - University of California, Davis
C B Hart - Berkhamsted, Herts
Professor David Morton - University of Birmingham
Dr James Serpell - University of Pennsylvania
Professor John Webster - University of Bristol

Animal Welfare (ISSN 0962-7286) brings together the results of scientific research and technical studies related to the welfare of animals kept on farms, in laboratories, as companions, in zoos or managed in the wild.

Subscription rates: Individuals £50/US$100; Corporate/Institutes/Libraries £70/US$140 per year.

Orders: Can be made direct to UFAW and are accepted by Volume, which consists of four issues per year.

Papers: Instructions for authors are summarized on the inside back cover; comprehensive instructions are available on request. Manuscripts should be submitted preferably to the appropriate Section Editor or to the Editor-in-Chief.

Animal Welfare is abstracted in *Biological Abstracts*; *CAB Abstracts*; *Current Contents/Agriculture, Biology and Environmental Sciences*; *Current Primate References*; *Focus on: Veterinary Science & Medicine; The InterActions Bibliography*; *Research Alert*; *SciSearch*; *Sociological Abstracts*; *Toxicology Abstracts*; *Veterinary Update*; is indexed in *Zoological Record,* and is covered by the *Science Citation Index*.

© 1997 UFAW

All rights reserved; no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means; electronic, mechanical, photocopying, recording or otherwise without the prior written permission of the Publisher. **Opinions expressed by authors do not necessarily reflect the views of UFAW, its Council, Staff, Members or Associates, the Section Editors or the Editorial Advisers.**

https://doi.org/10.1017/S096272860003373X Published online by Cambridge University Press

Animal Welfare

ISSN 0962-7286

Volume 6 Number 1 February 1997

CONTENTS

EDITORIAL 1

ARTICLES

Lack of evidence for stress being caused to pigs by witnessing the slaughter of conspecifics 3
M H Anil, J L McKinstry, M Field and R G Rodway

Fear-motivated aggression in dogs: patient characteristics, diagnosis and therapy 9
S Galac and B W Knol

A comparison of the effects of simple versus complex environmental enrichment on the behaviour of group-housed, subadult rhesus macaques 17
S J Schapiro, M A Bloomsmith, S A Suarez and L M Porter

Behaviour of laying hens negotiating perches at different heights 29
N R Lambe, G B Scott and D Hitchcock

Observations on the electric lance and the welfare of whales: a critical appraisal 43
D K Blackmore, P Madie and G R G Barnes

Behavioural effects of cage enrichment in single-caged adult cats 53
M de Monte and G Le Pape

TECHNICAL CONTRIBUTION

Successful group housing of wild-caught brushtail possums (*Trichosurus vulpecula*) 67
B J McLeod, E G Thompson, J L Crawford and G H Shackell

REPORTS AND COMMENTS 77

The welfare of outdoor kept pigs
Pig disease information on the Internet
Stimulus response behaviour
New Zealand codes for the welfare of sheep and laying hens
Disturbance of marine mammals by man-made noise
Donkey welfare in Ethiopia

BOOK REVIEWS 81

Aping Science: A Critical Analysis of Research at the Yerkes Regional Primate Research Center
The Boundless Circle: Caring for Creatures and Creation
Why Does My Horse. . .?
The Exploitation of Mammal Populations
The Human/Research Animal Relationship
Reptile Keeper's Handbook
Stress: Conceptual and Biological Aspects
After the Ark: Religious Understandings of Ourselves and Other Animals

BOOKS AND VIDEOS RECEIVED 93

Published by
Universities Federation for Animal Welfare
8 Hamilton Close, South Mimms, Potters Bar, Herts EN6 3QD, UK
Tel: 01707 658202 Fax: 01707 649279

https://doi.org/10.1017/S096272860003373X Published online by Cambridge University Press