Animal Welfare

Vol 10 No 3

2001

Articles

The welfare of farmed foxes Feeding gum to New World monkeys Straight stall confinement of mares Behaviour, genetics and reproduction in cocks Diet and behaviour of captive giraffes Intra-abdominal transmitter implantation in mice Welfare of gavaged rats

Short communication

Welfare of farmed mink

Reports and comments

Book and CD-ROM reviews

Books received

Letters



UNIVERSITIES FEDERATION FOR ANIMAL WELFARE

Animal Welfare

ISSN 0962-7286 Editor-in-Chief: James K Kirkwood Editorial Assistant: Elizabeth Roberts Typesetter: Samantha Griffin

Universities Federation for Animal Welfare The Old School, Brewhouse Hill, Wheathampstead, Herts AL4 8AN, UK Tel: 01582 831818 Fax: 01582 831414 Website: www.ufaw.org.uk

Section Editors

Farmed mammals and fish

Professor Berry M Spruijt Animal Welfare Centre Utrecht University Yalelaan 17 3584 CL Utrecht, The Netherlands

Zoo and wild animals Dr Miranda Stevenson

Ashlea Dean Lane Bishops Waltham Hampshire SO32 1FX, UK

Ethics, philosophy and social science **Professor Peter Sandøe**

Department of Animal Science and Animal Health The Royal Veterinary and Agricultural University Groennegaardsvej 8 DK-1870 Frederiksberg C, Denmark

General animal welfare studies

Professor David Fraser Animal Welfare Program Faculty of Agricultural Sciences and Centre for Applied Ethics University of British Columbia 2357 Main Mall, Vancouver, Canada V6T 1Z4

Editorial Advisers

Dr Robert Baker - ANZCCART, University of Adelaide, Australia Dr M F Bouissou - INRA, Nouzilly, France Professor D Broom - University of Cambridge, UK Professor M Stamp Dawkins - University of Oxford, UK Mr Roger Ewbank - Ealing, London, UK Dr Michael Festing - University of Leicester, UK

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

Laboratory animals

Companion animals

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

Poultry

Dr Linda Keeling Department of Animal Environment and Health Swedish University of Agricultural Sciences PO Box 234 SE-532 23 Skara, Sweden

Professor Benjamin Hart - University of California, Davis, USA Mr C Barrie Hart - Berkhamsted, Herts, UK Professor David Morton - University of Birmingham, UK Dr James Serpell - University of Pennsylvania, USA Professor John Webster - University of Bristol, UK Professor Piet Wiepkema - Oosterbeek, The Netherlands

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 per Volume; Corporate/Institutes/Libraries £70/US\$140 per Volume.

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 from our website, or on request from UFAW. 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; Humans & Other Species; Research Alert; SciSearch; Sociological Abstracts; Toxicology Abstracts; Veterinary Update; is indexed in Zoological Record; and is covered by the Science Citation Index.

© 2001 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.

Animal Welfare

ISSN 0962-7286	
Volume 10 Number 3	August 2001
CONTENTS	
ARTICLES	
The welfare of farmed foxes <i>Vulpes vulpes</i> and <i>Alopex lagopus</i> in relation to	to 223
housing and management: a review	225
A J Nimon and D M Broom	
Feeding gum arabic to New World monkeys: species differences and	249
palatability	
S Herron, E Price and D Wormell	
The effect of exercise deprivation on the behaviour and physiology of	257
straight stall confined pregnant mares	
K Houpt, T R Houpt, J L Johnson, H N Erb and S C Yeon	
Behavioural reactions, semen quality and testosterone levels in	269
cocks: genetic implications	
V Ferrante, M Verga, M G Mangiagalli and C Carenzi	
The effect of increasing dietary fibre on feeding, rumination and oral	281
stereotypies in captive giraffes (Giraffa camelopardalis)	
E Baxter and A B Plowman	
Intra-abdominal transmitter implantation in mice: effects on behaviour	291
and body weight	
V Baumans, J A Bouwknecht, H Boere, K Kramer, H A van Lith, H A van de	Weerd
and H van Herck	202
The welfare impact of increased gavaging doses in rats	303
L Alban, P J Dahl, A K Hansen, K C Hejgaard, A L Jensen, M Kragh,	
P Thomsen and P Steensgaard SHORT COMMUNICATION	
Some comments on the review of Nimon and Broom on the welfare of	315
farmed mink	515
C M Vinke	
Response to Vinke's Short Communication	325
D M Broom and A J Nimon	525
REPORTS AND COMMENTS	327
The bear bile industry	027
Animal welfare and religious slaughter	
Welfare of livestock under foot and mouth movement restrictions	
Biosecurity	
Guidelines for nonhuman primate re-introductions	
BOOK AND CD-ROM REVIEWS	331
Improving Health and Welfare in Animal Production	
Robotic Milking	
Veterinary Ethics: An Introduction	
Animal Experimentation: A Guide to the Issues	
Animals In Research: For and Against	
Compassionate Beasts — The Quest for Animal Rights	
The Meat Business: Devouring a Hungry Planet	
Waterfowl: Health and Management CD-ROM	_
BOOKS RECEIVED	345
LETTERS	346
Published by	
Universities Federation for Animal Welfare The Old School, Brewhouse Hill, Wheathampstead, Herts AL4 8AN, U	IK
The Old Sensor, Dreamouse this, wheathampsical, Hells ALT OAN, C	/ * *

Tel: 01582 831818 Fax: 01582 831414