

Notices

International course on Laboratory Animal Science, Utrecht, The Netherlands, May 15-26, 2000

A 2-week intensive course on laboratory animal science will be organized at the Department of Laboratory Animal Science — Utrecht, The Netherlands in May 2000. This course has been organized once a year since 1993.

The objective of this course is to present basic facts and principles that are essential for the humane use of animals and for the quality of research.

The contents of the course are in line with recommendations of the Federation of European Laboratory Animal Science Associations (FELASA) regarding the training of the young scientist whose research involves the use of vertebrate animals.

The course may also be of interest for those who intend to set up a similar course at their location. For this purpose, during the course the acquisition of teaching materials can be discussed with the course committee.

For information and application forms please contact: Prof. dr. L. F. M. van Zutphen or Mr Stephan van Meulebrouck, Department of Laboratory Animal Science, Faculty of Veterinary Medicine, PO Box 80.166, 3508 TD Utrecht, The Netherlands. Phone: *31-30-2532033. Fax: *31-30-2537997. E-mail: pdk@las.vet.uu.nl

Editors

Breeding and genetics

J. Jensen, Danish Institute of Animal Science, Foulum, Denmark

H. H. Swalve, Research Institute for the Biology of Farm Animals, Dummerstorf, Germany

P. M. Visscher, University of Edinburgh, UK

Growth, development and meat science

M. V. Dodson, Washington State University, USA

H. Freetly, USDA, Clay Center, Nebraska, USA

R. Hill, Queensland Beef Industry Institute, Australia

K. Hossner, Colorado State University, USA

C. A. Maltin, Rowett Research Institute, Aberdeen, UK

P. Mir, Agriculture and Agri-Food Canada, Lethbridge, Canada

P. D. Warriss, University of Bristol, UK

Non-ruminant nutrition, behaviour and production

J. E. L. Day, ADAS Terrington, UK

I. J. Lean, Wye College, University of London, UK

P. A. Lee, ADAS Terrington, UK

C. A. Morgan, Scottish Agricultural College, Edinburgh, UK

P. J. Moughan, Massey University, New Zealand

J. W. G. M. Swinkels, Research Institute for Animal Husbandry, Lelystad, The Netherlands

Reproduction

M. P. Boland, University College Dublin, Ireland

M. Diskin, TEAGASC, Co. Galway, Ireland

R. E. Short, US Department of Agriculture, Montana, USA

Ruminant nutrition, behaviour and production

M. J. Bryant, University of Reading, UK

C. S. Mayne, Agricultural Research Institute of Northern Ireland, Hillsborough, UK

J. R. Newbold, Provimi Research and Technology Centre, Belgium

J. D. Oldham, Scottish Agricultural College, Edinburgh, UK

T. T. Treacher, Oxford, UK

Executive editor

Hilary Davies, Liverpool, UK

Technical editor

Carol Woolliams, Peebles, UK

Notes to users in the USA. The appearance of the fee codes in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use on the following conditions. The copier must pay the stated per-copy fee through the Copyright Clearance Center, Inc., 21 Congress Street, Salem, Massachusetts 01970, USA, for copying beyond that permitted by sections 107 and 108 of the US Copyright Law. For territories outside North America, permission should be sought direct from the copyright holder. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising and promotional purposes, for creating new collective works or for resale.

Contents

	Page
Editorial	i
Breeding and genetics	
Sonesson, A. K., Grundy, B., Woolliams, J. A. and Meuwissen, T. H. E. Selection with control of inbreeding in populations with overlapping generations: a comparison of methods	1
Sewalem, A. and Johansson, K. Egg weight and reproduction traits in laying hens: estimation of direct and maternal genetic effects using Bayesian approach via Gibbs sampling	9
Morris, C. A., Vlassoff, A., Bisset, S. A., Baker, R. L., Watson, T. G., West, C. J. and Wheeler, M. Continued selection of Romney sheep for resistance or susceptibility to nematode infection: estimates of direct and correlated responses	17
Growth, development and meat science	
Knap, P. W. and Jørgensen, H. Animal-intrinsic variation in the partitioning of body protein and lipid in growing pigs	29
Knap, P. W. Time trends of Gompertz growth parameters in 'meat-type' pigs	39
McClinton, L. O. W. and Carson, A. F. Growth and carcass characteristics of three lamb genotypes finished on the same level of feeding	51
Non-ruminant nutrition, behaviour and production	
Yin, Y.-L., McEvoy, J. D. G., Schulze, H. and McCracken, K. J. Studies on cannulation method and alternative indigestible markers and the effects of food enzyme supplementation in barley-based diets on ileal and overall apparent digestibility in growing pigs	63
Kelly, H. R. C., Bruce, J. M., Edwards, S. A., English, P. R. and Fowler, V. R. Limb injuries, immune response and growth performance of early-weaned pigs in different housing systems	73
Whittaker, X., Edwards, S. A., Spoolder, H. A. M., Corning, S. and Lawrence, A. B. The performance of group-housed sows offered a high fibre diet <i>ad libitum</i>	85
Mills, D. S., Eckley, S. and Cooper, J. J. Thoroughbred bedding preferences, associated behaviour differences and their implications for equine welfare	95
Gill, B. P., Mellange, J. and Rooke, J. A. Growth performance and apparent nutrient digestibility in weaned piglets offered wheat-, barley- or sugar-beet pulp-based diets supplemented with food enzymes	107
Ruminant nutrition, behaviour and production	
Valdés, C., Carro, M. D., Ranilla, M. J. and González, J. S. Effect of forage to concentrate ratio in complete diets offered to sheep on voluntary food intake and some digestive parameters	119
Carro, M. D., Valdés, C., Ranilla, M. J. and González, J. S. Effect of forage to concentrate ratio in the diet on ruminal fermentation and digesta flow kinetics in sheep offered food at a fixed and restricted level of intake	127
Fogarty, N. M., Hopkins, D. L. and Ven, R. van de Lamb production from diverse genotypes. 1. Lamb growth and survival and ewe performance	135
Fogarty, N. M., Hopkins, D. L. and Ven, R. van de Lamb production from diverse genotypes. 2. Carcass characteristics	147
Arsenos, G., Hills, J. and Kyriazakis, I. Conditioned feeding responses of sheep towards flavoured foods associated with casein administration: the rôle of long delay learning	157
Patterson, D. C., Steen, R. W. J., Moore, C. A. and Moss, B. W. Effects of the ratio of silage to concentrates in the diet on the performance and carcass composition of continental bulls	171
Acknowledgement of referees	iii
Instructions to authors	v