

# **How to Write and Publish** **a Scientific Paper**

Third Edition

**R. A. DAY**

This third edition of **How to Write and Publish a Scientific Paper** contains the rules, hints and tips that will enable scientists to write clearly and effectively, whatever the medium and whatever their purpose. The book includes information on how to write articles, papers, reviews, theses, conference reports and books. It covers the complete writing process from the choice of a title to the review process and how to deal with editors.

- contains new information on electronic manuscript preparation
- explains how to use computers to create effective tabulation
- uses detailed examples throughout
- includes methods of presentation - charts, tables, and illustrations for maximum effect

This new edition includes practical advice on grammar, proof reading, tables and illustrations and a list of commonly used and misused abbreviations, expressions and terms.

£25.00 net    Hardback    0 521 36572 4            244 pp.    1989  
£8.95 net     Paperback    0 521 36760 3

*For further information please write to Susan Chadwick at the address below*

**Cambridge University Press**

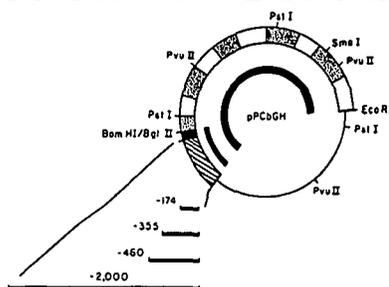
The Edinburgh Building, Cambridge CB2 2RU, UK

# Journal of Reproduction & Fertility

Supplement 41

## GENETIC ENGINEERING OF ANIMALS

*Edited by W. Hansel and  
Barbara J. Weir*



The Second Symposium on Genetic Engineering of Animals, held at Cornell University, USA, in June 1989, provided an opportunity for leading scientists from universities, government agencies and industrial laboratories to present their most recent findings in the competitive area of genetic engineering. The Proceedings report current technology in the production of transgenic animals ranging from mice to cattle. Topics covered include in-vitro fertilization, nuclear transplantation and embryo cloning and re-cloning, embryo stem-cell technology, embryo sexing, targeted gene insertions, promoters and the use of novel reporter genes. The publication will interest research scientists, teachers and veterinarians involved in producing animals with increased potential for growth, reproduction, lactation, and disease or stress resistance, and in animal genetic engineering in general.

ISBN 0 906545 19 6, 208 pp 54 ill, case-bound,  
£42.00/US\$82.00, July 1990

*Order from: Journals of Reproduction & Fertility Ltd, PO Box 32, Commerce Way,  
Colchester CO2 8HP, Essex, UK, or through a bookseller.*

Reader Service No. 454

*Continued from back cover*

GIRDHAR, N., LALL, D. and PATHAK, N. N. Effect of feeding <i>Leucaena leucocephala</i> as the sole ration on nutrient utilization and body weight in goats	303
BALCELLS, J., GUADA, J. A., CASTRILLO, C. and GASA, J. Urinary excretion of allantoin and allantoin precursors by sheep after different rates of purine infusion into the duodenum	309
VULICH, S. A., O'RIORDAN, E. G. and HANRAHAN, J. P. Use of n-alkanes for the estimation of herbage intake in sheep: accuracy and precision of the estimates	319
<b>BOOK REVIEWS</b>	325

**Copying.** No contents may be reproduced by any means without the permission of Cambridge University Press. This journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970. Organizations in the USA who are also registered with the C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0021-8596/91 \$5.00+0.00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19106, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
40 West 20th Street, New York, NY 10011-4211, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

*Printed in Great Britain by the University Press, Cambridge*

## CONTENTS

	PAGE
Instructions to Authors	
<b>REVIEW</b>	
HOLDER, A. T., ASTON, R. and FLINT, D. J. Potential of immunization for increasing animal production	175
<b>CROPS AND SOILS</b>	
EHLERS, W. Leaf area and transpiration efficiency during different growth stages in oats	183
WHITE, E. M. Response of winter barley cultivars to nitrogen and a plant growth regulator in relation to lodging	191
JOHNSON, D. E., LEE, P. G. and WILMAN, D. Experiments with upland rice in southern Belize: fertilizer application, weed control, plant spacing, sowing rate and variety	201
MAHAPATRA, B. S., SHARMA, G. L. and SINGH, N. Integrated management of straw and urea nitrogen in lowland rice under a rice-wheat rotation	217
HAY, M. J. M., NEWTON, P. C. D. and THOMAS, V. J. Nodal structure and branching of <i>Trifolium repens</i> in pastures under intensive grazing by sheep	221
CHAPMAN, D. F., ROBSON, M. J. and SNAYDON, R. W. Quantitative carbon distribution in clonal plants of white clover ( <i>Trifolium repens</i> ): source-sink relationships during undisturbed growth	229
SEHTIYA, H. L., DENDSAY, J. P. S. and DHAWAN, A. K. Internodal invertases and stalk maturity in sugarcane	239
AMIR, H. A. and KHALIFA, F. M. Performance and yield of sunflower ( <i>Helianthus annuus</i> ) cultivars under rainfed and irrigated conditions in Sudan	245
HOGMIRE, H. W., DIENER, R. G. and CRIM, V. L. Comparison of boom and airblast sprayers on T-trellis apples	253
ABDULLAH, W. D., POWELL, A. A. and MATTHEWS, S. Association of differences in seed vigour in long bean ( <i>Vigna sesquipedalis</i> ) with testa colour and imbibition damage	259
SCULLION, J. and MOHAMMED, A. R. A. Effects of subsoiling and associated incorporation of fertilizer on soil rehabilitation after opencast mining for coal	265
PAPANICOLAOU, E. P., APOSTOLAKIS, C. G., SKARLOU, V., NOBELI, C. and KRITIDIS, P. Ratio of plant to soil concentrations of strontium-85 and its relation to properties of Greek soils	275
ABDEL MAGID, H. M. and TABATABAI, M. A. Amide nitrogen transformation in waterlogged soil	281
<b>ANIMALS</b>	
COATES, D. B., VAN DER WEIDE, A. P. A. and KERR, J. D. Changes in faecal $\delta^{13}\text{C}$ in response to changing proportions of legume ( $\text{C}_3$ ) and grass ( $\text{C}_4$ ) in the diet of sheep and cattle	287
OWEN, E., JAYASURIYA, M. C. N., HAMILTON, R. and LALENTA, M. Use of a long-term rumen simulation technique (Rusitec) to provide micro-organisms for <i>in vitro</i> digestibility assays	297

Continued inside back cover