

Photographed diagrams are also accepted. Lettering inside the framework of the diagram should be avoided as far as possible but if unavoidable it should be included on a fly-leaf. Marginal lettering should be inserted lightly in pencil on the original diagram or on a fly-leaf.

- (b) Photographs intended for half-tone reproduction should be on glossy paper. They will be accepted only if found necessary by the Editors.
- (c) Colour plates are unlikely to be accepted unless authors bear the cost.

*Tables* should be as simple and as few as possible. Each table should be typed on a separate sheet.

*Abstract:* Every article should have a short abstract (not more than 250 words) complete in itself and understandable without reference to the paper. *The abstract will be printed at the beginning of the paper.*

*References:* Only papers closely related to the author's work should be referred to; exhaustive lists should be avoided. The arrangement of references should be as in recent papers in *Animal Production*; details are given in the notes for guidance.

*Proofs* are supplied once and must be returned corrected to the Editors within seven days. Only essential corrections should be made.

*Reprints:* Twenty-five reprints of each paper will be supplied free to authors on request. Further copies may be purchased if the order is sent at the proof-stage.

*Animal Production* is published six times a year in two volumes. Annual subscription is £25.00 (or \$60.00 in the U.S.A. and Canada) and the price for a single part is £4.50 (or \$11.00) net.

*Proceedings of the British Society of Animal Production (New Series)* ceased publication in 1975 and the material is now published as a separate section in the June issue of *Animal Production*.

*Business matters*, including regular subscriptions and sales (current and back numbers of the Journal and the Proceedings) should be addressed to Longman Group, Journals Division, 43/45 Annandale Street, Edinburgh EH7 4AT.

---

*Senior Editor*

J. A. F. Rook, Hannah Research Institute.

*Editors*

R. C. Campling, Wye College, University of London.  
W. G. Hill, Institute of Animal Genetics.  
J. Hodgson, Hill Farming Research Organisation.  
A. M. Raven, West of Scotland Agricultural College.  
A. J. F. Webster, University of Bristol.  
M. B. Willis, University of Newcastle upon Tyne.

*Assistant Editors*

B. A. Nettlefold  
Jill M. Read

## CONTENTS

|  | PAGE |
|--|------|
| VERNON, B. G. and BUTTERY, P. J. Protein metabolism of rats treated with trienbolone acetate . . . . .   | 1    |
| CAMPBELL, R. G. The response of early weaned pigs to sub-optimal protein diets supplemented with synthetic lysine . . . . .  | 11   |
| WYLLIE, D. and OWEN, J. B. Anorexigenic substances and voluntary food intake in the pig . . . . .  | 19   |
| DAVIES, D. A. R., OWEN, J. B. and READ, J. L. Artificial rearing as a system for evaluating male lambs . . . . .   | 31   |
| SUTTLE, N. F., MUNRO, C. S. and FIELD, A. C. The accumulation of copper in the liver of lambs on diets containing dried poultry waste . . . . .  | 39   |
| HOLNESS, D. H., HOPELY, J. D. H. and HALE, D. H. The effects of plane of nutrition, live weight, temporary weaning and breed on the occurrence of oestrus in beef cows during the post-partum period . . . . . | 47   |
| BRAND, A., TROUNSON, A. O., AARTS, M. H., DROST, M. and ZAAVER, D. Superovulation and non-surgical embryo recovery in the lactating dairy cow . . . . .  | 55   |
| FELDMANN, F., AIZINBUD, E., SCHINDLER, H. and BRODA, HANNA. The electrical conductivity inside the bovine vaginal wall . . . . .   | 61   |
| MACMILLAN, K. L., SHANNON, P. and HART, N. L. The redilution of deep frozen bull semen . . . . .   | 67   |
| PAIN, B. F. and BROOM, D. M. The effects of injected and surface-spread slurry on the intake and grazing behaviour of dairy cows . . . . .   | 75   |
| WEBSTER, A. J. F., GORDON, J. G. and McGREGOR, R. The cold tolerance of beef and dairy type calves in the first weeks of life . . . . .  | 85   |
| LOGAN, E. F., FOSTER, W. H. and IRWIN, D. A note on bovine colostrum as an alternative source of immunoglobulin for lambs . . . . .  | 93   |
| DAY, N., HARKESS, R. D. and HARRISON, D. M. A note on red clover silage for cattle finishing . . . . .   | 97   |