

Summary: Every article should have a short summary (not more than 250 words) complete in itself and understandable without reference to the paper. *The summary 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. Bibliographical details should be in the following order: author's name, initials, year, title of paper, title of journal (abbreviated according to the World List of Scientific Periodicals), volume of journal, first and last page of paper. References should be listed in alphabetical order. When abstracts are referred to, the page reference should be followed by (Abstr.).

Examples:

BLAXTER, K. L. and WILSON, R. S. 1962. The voluntary intake of roughages by steers. *Anim. Prod.* 4: 351-358.

HAMMOND, J. 1932. *Growth and the Development of Mutton Qualities in the Sheep*. Oliver and Boyd, Edinburgh.

In the text, references should be made by giving author and year; at the first mention all authors should be named, thereafter the first author followed by *et al.* should be used for papers with more than two authors.

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 (1972 onward) for every six numbers is £9.00 (or \$24.00 in the U.S.A. and Canada) and the price for a single number is £1.75 (or \$5.00) net.

Business matters, including regular subscriptions and sales (the current Journal, back numbers, the *Proceedings of the British Society of Animal Production* (1944-58) and reprints), should be addressed to Longman Group Limited, Journals Division, 33 Montgomery Street, Edinburgh EH7 5JX.

Publication of the Proceedings will recommence in 1972. Particulars will be announced at the time of publication.

Senior Editor

GERALD WIENER, A.R.C. Animal Breeding Research Organisation.

Editors

J. F. D. GREENHALGH, Rowett Research Institute.

G. HARRINGTON, Meat and Livestock Commission.

W. G. HILL, Institute of Animal Genetics.

L. E. MOUNT, A.R.C. Institute of Animal Physiology.

J. A. F. ROOK, Hannah Dairy Research Institute.

CONTENTS

	PAGE
LEAN, I. J., CURRAN, M. K., DUCKWORTH, J. E. and HOLMES, W. Studies on Belgian Pietrain pigs. 1. A comparison of Pietrain, Landrace and Pietrain Landrace crosses in growth, carcass characteristics and meat quality	1
CURRAN, M. K., LEAN, I. J., DUCKWORTH, J. E. and HOLMES, W. Studies on Belgian Pietrain pigs. 2. A comparison of growth and carcass characteristics of Pietrain used in three breed crosses with Landrace, Large White and Hampshire breeds	11
BABATUNDE, G. M. and FETUGA, B. L. Zinc storage in the tissues and organs of pigs fed graded levels of zinc in the tropics	21
SHEEHAN, W. and LAWLOR, M. J. Energy supplementation of silage for ewes in late pregnancy	29
THWAITES, C. J. The effects of short-term undernutrition and adrenocortical stimulation on wool growth	39
GALAL, E. SALAH E., ABOUL-NAGA, A., ELTAWIL, E. A. and KHISHIN, E. S. Estimates of combining abilities and maternal influence in crosses between Merino, Ossimi and Barki sheep	47
LOUCA, AVRAAM. The effect of suckling regime on growth rate and lactation performance of the Cyprus Fat-tailed and Chios sheep	53
BURFENING, PETER J. Prenatal and postnatal competition among twin lambs	61
KAY, M., MACDEARMID, A. and MASSIE, R. Intensive beef production. 13. Replacement of concentrates with root crops	67
RYDER, M. L. and WILSON, D. T. Fleece characteristics and postnatal fleece development in Finnish Landrace x Merino sheep	75
ZEMMELINK, G., HAGGAR, R. J. and DAVIES, J. H. A note on the voluntary intake of <i>Andropogon gayanus</i> hay by cattle, as affected by level of feeding	85
WOOD, P. D. P. A note on seasonal fluctuations in milk production	89
ARORA, C. L. and ACHARYA, R. M. A note on the association between transferrin types and production traits in Indian sheep	93
ARORA, C. L. and ACHARYA, R. M. A note on haemoglobin and potassium types in Nali breed of Indian sheep and their relationship with body weights and wool yield	95
LASTER, D. B. and GLIMP, H. A. A note on the effect of ram to ewe ratio on reproductive performance of synchronized ewes	99