Tables should be as simple and as few as possible; if they are very large or numerous a charge may have to be made to authors.

Summary: Every article should have a short summary complete in itself and understandable without reference to 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 page of paper. References should be listed in alphabetical order.

Examples:

DONALD, H. P., & PURSER, A. F., 1956. Competition in utero between twin lambs. J. agric. Sci., 48: 245.

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

In the text, references should be made by giving author and year; papers with more than three authors should be referred to as OTHER, A. N. et al.; three authors and less should be written in full.

Proofs are supplied once in galley form and must be returned corrected to the Editors within seven days. Only minor corrections will be accepted, other alterations (apart from those due to printer's errors) will be charged to authors.

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 galley proof stage.

Business matters, including regular subscriptions and sales (the current Journal, back numbers, the Proceedings of the British Society of Animal Production [predecessor to Animal Production], and reprints), should be addressed to Messrs. Oliver & Boyd Ltd., Tweeddale Court, 14 High Street, Edinburgh, 1.

Editors:

I. L. MASON Institute of Animal Genetics West Mains Road Edinburgh, 9 GERALD WIENER A.R.C. Animal Breeding Research Organisation 6 South Oswald Road, Edinburgh, 9

COVER DESIGN BY E. D. ROBERTS

Centrepiece: Mediæval merchant mark of a type probably evolved from an earlier mark used for identifying wool packs; precursor of the modern trade mark.

CONTENTS

Commencer I M M Environ D A and Summer	PAGE
CUNNINGHAM, J. M. M., EDWARDS, R. A., and SIMPSON, MARGARET E. Rearing lambs on a synthetic diet	105
LUCAS, I. A. M., LIVINGSTONE, R. M., and MCDONALD, I. Copper sulphate as a growth stimulant for pigs: effect of level and purity	111
WHITELAW, F. G., PRESTON, T. R., and NDUMBE, R. D. The nutrition of the early-weaned calf. I. The effect on nitrogen retention of diets containing different levels of groundnut meal	121
WHITELAW, F. G., PRESTON, T. R., and DAWSON, G. S. The nutrition of the early-weaned calf. II. A comparison of commercial groundnut meal, heat-treated groundnut meal and fish meal as the major protein source in the diet	127
GAHNE, BO. Studies of transferrins in serum and milk of Swedish cattle	135
CHAMBERS, D. T. The effects of two meal supplements on the progress of calves receiving autumn grass	147
HANCOCK, J. L., and HOVELL, G. J. R. The effect of semen volume and number of spermatozoa on the fertility of intra- uterine inseminations of pigs	153
HARRINGTON, G., and POMEROY, R. W. The yields of cuts from Wiltshire bacon sides in relation to length and other carcass measurements	163
LATHAM, J. O., and ROGERS, C. The influence of breed and sex on carcass characters of beef cattle bred in dairy herds	171
SHORTHOSE, W. R., and LAMMING, G. E. The effect of different oestrogens and oestradiol plus progesterone on the growth and carcass characteristics of fattening male hoggets	183
DUNIEC, H., KIELANOWSKI, J., and OSIŃSKA, ZOFIA. Heritability of chemical fat content in the loin muscle of baconers.	195
COSTAIN, R. A., and MORGAN, J. T. The effect of variations in the energy and protein status of the diet upon productive efficiency in the pig	1 99
BELLIS, D. B., and TAYLOR, J. Nutritional factors affecting lean meat production in cutting pigs	209

COPYRIGHT © 1961 THE BRITISH SOCIETY OF ANIMAL PRODUCTION Printed and Published in Great Britain by OLIVER AND BOYD LTD. Edinburgh: Tweeddale Court London: 39A Welbeck Street, W 1