

CONTENTS

PAGE

GATHERUM, D. P., HARRINGTON, G. and POMEROY, R. W. Visual judgements of quality in meat. II. A simplification of the assessment of the proportion of lean to fat in bacon. (With Three Text-figures)	145
REID, D. and MACLUSKY, D. S. Studies on the cutting management of grass-clover swards. II. The effects of close cutting with either a gang mower or a reciprocating-knife mower on the yields from an established grass-clover sward	158
JAKOBSEN, K. FRIIS and MANN, T. Biochemical appraisal of a milk diluent for semen. (With Three Text-figures)	166
HAFEZ, E. S. E. Nutrition in relation to reproduction in sows. (With Five Text-figures)	170
CHARLES, ALLEN H. Establishment studies. I. The effect on spring oats of undersowing with a one-year ley. (With One Text-figure)	179
JONES, D. J. C. The effect of sulphate of ammonia applications on the sulphur content of various grass and clover mixtures. (With Four Text-figures)	188
SIMPSON, J. The age of queen honeybees and the tendency of their colonies to swarm	195
HUNGATE, R. E., PHILLIPS, G. D., HUNGATE, D. P. and MACGREGOR, A. A comparison of the rumen fermentation in European and zebu cattle	196
BENZIE, D., BOYNE, A. W., DALGARNO, A. C., DUCKWORTH, J., HILL, R. and WALKER, D. M. Studies of the skeleton of the sheep. IV. The effects and interactions of dietary supplements of calcium, phosphorus, cod-liver oil and energy, as starch, on the skeleton of growing Blackface wethers. (With Plates 9 and 10 and Seven Text-figures)	202
PATTERSON, H. D. An experiment on the effects of straw ploughed in or composted on a three-course rotation of crops	222
PHILLIPS, G. D. The relationship between water and food intakes of European and zebu type steers	231
ROLLINSON, D. H. L. and BREDON, R. M. Factors causing alterations of the level of inorganic phosphorus in the blood of zebu cattle. (With Three Text-figures)	235
FREER, M. The utilization of irrigated pastures by dairy cows. II. The effect of stocking rate. (With Five Text-figures)	243
COWLISHAW, S. J. and ALDER, F. E. The grazing preferences of cattle and sheep	257
EVANS, R. E. The effect of adding lysine and methionine to the diet of pigs kept on low-protein vegetable foods	266
BRAUDE, R., TOWNSEND, M. JILL and ROWELL, J. G. A comparison of meal and pelleted forms of creep feed for suckling pigs	274
OSBOURN, D. F. and WILSON, P. N. Effects of different patterns of allocation of a restricted quantity of food upon the growth and development of cockerels. (With Two Text-figures)	278

The Journal of Agricultural Science is issued every other month in parts of about 136 pages with plates and figures, three parts constituting a volume. Two volumes yearly.

Quotations for available back volumes and parts may be obtained on application to the Cambridge University Press.

Papers for publication should be typewritten or written in a very legible hand, and may be sent to SIR JOHN HAMMOND, School of Agriculture, Cambridge, or to the associate Editors. Other communications should be addressed to the University Press, Cambridge.

If Plates in excess of one per 24 pages of text or coloured plates are submitted the author may be asked to bear the cost of such Plates.

Bibliography should be given under the heading of 'References' in the following form:

Surname of authors (in alphabetical order), initials, date of publication (in brackets), title of Journal (abbreviated according to the *World List of Scientific Periodicals*), volume and page of reference. In the text a reference should be quoted by the author's name and date (in brackets).

All names of Journals and books should be in italics.

Contributors will receive twenty-five copies of their papers free.

The subscription price, payable in advance, is 60s. net per volume (post free); single numbers 25s. net. Subscriptions may be sent to any bookseller, or to The Cambridge University Press, Bentley House, 200 Euston Road, London, N.W. 1.

Subscription price in the U.S.A. is \$11.50 per volume; single number \$4.25. Enquiries should be addressed to the Cambridge University Press, American Branch, 32 East 57th Street, New York 22, N.Y.