

Indexes to Volume 31

Authors and Titles

- Abdou, M. S. S., Hassun, T. M., and El-Sawaf, S. A.
Testicular and epididymal sperm numbers and related parameters in the developing Awassi ram 257
- Adams, N. R. *See* Tang, B. Y.
- Alexander, G.
Quantitative development of adipose tissue in foetal sheep 489
- Alexander, G. *See also* Gemmell, R. T.
- Amato, F. *See* Warnes, G. M.
- Anderson, Robin L., and Stone B. A.
Studies on *Lolium multiflorum* endosperm in tissue culture. III. Structural studies on the cell walls 573
- Baldo, B. A., Neukom, H., Stone, B. A., and Uhlenbruck, G.
Reaction of some invertebrate and plant agglutinins and a mouse myeloma anti-galactan protein with an arabinogalactan from wheat 149
- Barlow, I. *See* Lloyd, G. T.
- Bickerstaffe, R. *See* Davis, S. R.
- Bishop, G. C., and Ilsley, A. H.
Production of enniatin as a criterion for confirming the identity of *Fusarium lateritium* isolates 93
- Blackshaw, A. W., and Massey, P. F.
The effect of cryptorchidism on the quantitative histology, histochemistry and hydrolytic enzyme activity of the rat testis 53
- Bock, Ian R.
The *biplectinata* complex: a study in interspecific hybridization in the genus *Drosophila* (Insecta : Diptera) 197
- Boettcher, B. *See* Hosken, R. W.
- Brink, N. G. *See* Datson, C. R.
- Burley, R. W.
Studies on the apoproteins of the major lipoprotein of the yolk of hen's eggs. III. Influence of salt concentration during isolation on the amount and composition of the apoproteins 587
- Carley, J. G. *See* Doherty, R. L.
- Chamley, W. A. *See* Tassell, Robin
- Chapman, R. E., and Reis, P. J.
Effects of abomasal supplements of methionine on the wool follicles and skin of wheat-fed sheep 161
- Choi, W. Y., Haggett, K. D., and Dunn, N. W.
Isolation of a cotton wool degrading strain of *Cellulomonas*: mutants with altered ability to degrade cotton wool 553
- Christie, G. S. *See* Hegarty, M. P.
- Cooper, D. W. *See* Johnston, P. G.; Raphael, Kathie A.
- Court, R. D. *See* Hegarty, M. P.
- Datson, C. R., and Brink, N. G.
Characterization of a temperature-sensitive female sterile mutant (*l(1)1074^{ts}*) in *Drosophila melanogaster* 73
- Davis, S. R., and Bickerstaffe, R.
Mammary glucose uptake in the lactating ewe and use of methionine arterio-venous difference for the calculation of mammary blood flow 133
- Davis, S. R., Bickerstaffe, R., and Hart, D. S.
Amino acid uptake by the mammary gland of the lactating ewe 123
- Davis, W. D. *See* Murdoch, R. N.
- De Munk, F. G. *See* Hegarty, M. P.
- Doherty, R. L., Standfast, H. A., Dyce, A. L., Carley, J. G., Gorman, B. M., Filippich, C., and Kay, B. H.
Mudjinbarry virus, an orbivirus related to Wallal virus isolated from midges from the Northern Territory of Australia 97
- Douglas, T. J., Hamilton, R. P., and Seamark, R. F.
Inhibition of cholesterol biosynthesis in ovine ovarian follicles *in vitro* by human chorionic gonadotrophin 405
- Dunn, N. W. *See* Choi, W. Y.
- Dyce, A. L. *See* Doherty, R. L.
- Egan, A. R. *See* Radcliffe, B. C.
- Elleman, T. C., Falconer, I. R., Jackson, A. R. B., and Runnegar, M. T.
Isolation, characterization and pathology of the toxin from a *Microcystis aeruginosa* (= *Anacystis cyanea*) bloom 209
- El-Sawaf, S. A. *See* Abdou, M. S. S.
- Emmens, C. W. *See* Gidley-Baird, A. A.

- Falconer, I. R. *See* Elleman, T. C.
 Filippich, C. *See* Doherty, R. L.
 Findlay, J. K. *See* Peel, C. J.
 Fisher, W. K. *See* Thompson, E. O. P.
 Fulkerson, W. J.
 Artificial induction of lactation: a comparative study in heifers 65
- Gemmell, R. T., and Alexander, G.
 Ultrastructural development of adipose tissue in foetal sheep 505
- George, J. M. *See* Turnbull, K. E.
 Gidley-Baird, A. A., and Emmens, C. W.
 Pituitary hormone control of implantation in the mouse 657
- Gillespie, J. M. *See* Marshall, Robert C.
 Gleeson, A. R. *See* Wallace, A. L. C.
 Gooneratne, Anoma. *See* Martin, C. E.
 Gorman, B. M. *See* Doherty, R. L.
 Graves, Jennifer A. Marshall. *See* Hope, Rory M.
- Haggett, K. D. *See* Choi, W. Y.
 Haigh, E. A., and Sawyer, W. H.
 Interpretation of double reciprocal plots used to determine the spectroscopic parameters of bound ligand for binding assays 1
- Haigh, Elizabeth A., Thulborn, Keith R., Nichol, Lawrence W., and Sawyer, William H.
 Uptake of n-(9-anthroxyl) fatty acid fluorescent probes into lipid bilayers 447
- Hamilton, R. P., and Seamark, R. F.
 Lipid content of sheep ovarian follicles in culture 621
- Hamilton, R. P. *See also* Douglas, T. J.
 Hart, D. S. *See* Davis, S. R.
 Hartmann, P. E. *See* Martin, C. E.
 Hassun, T. M. *See* Abdou, M. S. S.
 Hegarty, M. P., Lee, C. P., Christie, G. S., De Munk, F. G., and Court, R. D.
 Comparative toxicities of mimosine and some chemically related compounds to mouse bone marrow cells in liquid culture 115
- Hillier, A. J. *See* Lloyd, G. T.
 Hooley, R. D. *See* Peel, C. J.
 Hope, Rory M., and Graves, Jennifer A. Marshall
 Fusion and hybridization of marsupial and eutherian cells.
 V. Development of selective systems 293
 VI. Hybridization 527
- Hopkins, P. S. *See* Wallace, A. L. C.
 Horgan, Douglas J.
 A spectrophotometric assay of ATP synthesized by sarcoplasmic reticulum 21
- Hosken, R. W.
 Oxygen binding of monotreme haemoglobins. I. Oxygen binding parameters of the haemoglobins of platypus, *Ornithorhynchus anatinus*, and echidna, *Tachyglossus aculeatus* 327
- Hosken, R. W., and Boettcher, B.
 Oxygen binding of monotreme haemoglobins. II. Fixation of functionally non-equivalent haemoglobins in the echidna population 337
- Huq, M. N., Ralph, B. J., and Rickard, P. A. D.
 The extracellular polysaccharide of a methylotrophic culture 311
- Ilsley, A. H. *See* Bishop, G. C.
- Jackson, A. R. B. *See* Elleman, T. C.
 Jago, G. R. *See* Lloyd, G. T.
 James, Elizabeth A. *See* Johnston, P. G.
 Johnston, P. G., Sharman, G. B., James, Elizabeth A., and Cooper, D. W.
 Studies on metatherian sex chromosomes.
 VII. Glucose-6-phosphate dehydrogenase expression in tissues and cultured fibroblasts of kangaroos 415
- Kaplin, Ian J., and Whiteley, Kenneth J.
 An electron microscope study of fibril: matrix arrangements in high- and low-crimp wool fibres 231
- Kay, B. H. *See* Doherty, R. L.
 Kennaway, D. J., Porter, K. J., and Seamark, R. F.
 Changes in plasma tryptophan and melatonin content in penned sheep 49
- Kennedy, J. P. *See* Tassell, Robin
 Kurup, P. A. *See* Vijayammal, P. L.
- Lee, C. P. *See* Hegarty, M. P.
 Leish, Z., and Panaretto, B. A.
 Studies on intravenously infused dexamethasone in sheep 373
- Lloyd, G. T., Hillier, A. J., Barlow, I., and Jago, G. R.
 Aerobic formation of acetate from pyruvate by *Lactobacillus bulgaricus* 565
- Luig, N. H., and Tan, B. H.
 Physiologic differentiation of wheat stem rust on rye 545

- Mann, T. L. J., and Mayo, O.
Response to partial selection on clean fleece weight in South Australian strong-wool Merino sheep. III. Genetic distance between flocks 667
- Marshall, D. R. *See* Moran, G. F.
- Marshall, Robert C., and Gillespie, J. M.
Heterogeneity and incomplete disulfide reduction in the high-sulfur proteins of wool 219
- Martin, C. E., Hartmann, P. E., and Gooneratne, Anoma
Progesterone and corticosteroids in the initiation of lactation in the sow 517
- Mason, R. W. *See* Wallace, A. L. C.
- Massey, P. F. *See* Blackshaw, A. W.
- Mattner, P. E., *See* Turnbull, K. E.
- Mayo, O. *See* Mann, T. L. J.
- McClure, T. J., Nancarrow, C. D., and Radford, H. M.
The effect of 2-deoxy-D-glucose on ovarian function of cattle 183
- McGowan, A. A. *See* Peel, C. J.
- Miller, B. G.
Effects of ovarian hormones on foetal and placental growth in the mouse 641
- Miller, B. G. *See also* Stone, G. M.
- Mitchell, G. F. *See* O'Donnell, I. J.
- Moran, G. F., and Marshall, D. R.
Allozyme uniformity within and variation between races of the colonizing species *Xanthium strumarium* L. (Noogoora burr) 283
- Morgan, A. F. *See* Sinclair, M. I.
- Murdoch, B. E., and O'Shea, T.
Activity of enzymes in the mucosal tissues and rinsings of the reproductive tract of the naturally cyclic ewe 345
- Murdoch, B. E. *See also* O'Shea, T.
- Murdoch, R. N., and Davis, W. D.
Effects of bicarbonate on the respiration and glycolytic activity of boar spermatozoa 385
- Murphy, Leigh. *See* Stone, G. M.
- Nancarrow, C. D. *See* McClure, T. J.
- Neukom, H. *See* Baldo, B. A.
- Nichol, Lawrence W. *See* Haigh, Elizabeth A.
- O'Donnell, I. J., and Mitchell, G. F.
An investigation of the allergens of *Ascaris lumbricoides* using a radioallergosorbent test (RAST) and sera of naturally infected humans: comparison with an allergen for mice identified by a passive cutaneous anaphylaxis test 459
- O'Shea, T., and Murdoch, B. E.
Activity of enzymes of glycogen metabolism in the reproductive tract of the ewe at mating and during early pregnancy 355
 α -Glucosidase activity in the reproductive tract of the ewe 363
- O'Shea, T. *See also* Murdoch, B. E.
- Panaretto, B. A., and Wallace, A. L. C.
Dexamethasone concentrations in ovine plasma during its intravenous infusion, its relation to the production of some endogenous hormones, and some of the effects on wool growth 247
The administration of flumethasone, by three different routes, its measurement in the plasma and some effects on wool growth in Merino wethers 601
- Panaretto, B. A. *See also* Leish, Z.
- Peel, C. J., Taylor, J. W., Robinson, I. B., McGowan, A. A., Hooley, R. D., and Findlay, J. K.
The importance of prolactin and the milking stimulus in the artificial induction of lactation in cows 187
- Porter, K. J. *See* Kennaway, D. J.
- Radcliffe, B. C., and Egan, A. R.
The effect of diet and of methionine loading on activity of enzymes in the transulfuration pathway in sheep 105
- Radford, H. M. *See* McClure, T. J.
- Ralph, B. J. *See* Huq, M. N.
- Raphael, Kathie A., and Cooper, D. W.
Studies on metatherian sex chromosomes. VIII. Evidence for an absence of dosage compensation at the glucose-6-phosphate dehydrogenase locus in cultured cells of *Macropus rufogriseus* 425
- Reis, P. J. *See* Chapman, R. E.
- Rickard, P. A. D. *See* Huq, M. N.
- Robinson, I. B. *See* Peel, C. J.
- Runnegar, M. T. *See* Elleman, T. C.
- Sawyer, W. H. *See* Haigh, E. A.
- Scaramuzzi, R. J. *See* Turnbull, K. E.
- Schuntner, C. A., and Thompson, P. G.
Mechanisms of resistance to bromophos-ethyl in two strains of the cattle tick *Boophilus microplus* 317
Metabolism of [14 C]amitraz in larvae of *Boophilus microplus* 141
- Seamark, R. F. *See* Douglas, T. J.; Hamilton, R. P.; Kennaway, D. J.; Warnes, G. M.
- Senior, W. *See* Williams, V. J.

- Sharman, G. B. *See* Johnston, P. G.
- Sinclair, M. I., and Morgan, A. F.
Transformation of *Pseudomonas aeruginosa*
strain PAO with bacteriophage and
plasmid DNA 679
- Standfast, H. A. *See* Doherty, R. L.
- Stone, B. A. *See* Anderson, Robin L.;
Baldo, B. A.
- Stone, G. M., Murphy, Leigh, and Miller,
B. G.
Hormone receptor levels and metabolic
activity in the uterus of the ewe:
regulation by oestradiol and
progesterone 395
- Sved, J. A.
Male recombination in dysgenic hybrids of
Drosophila melanogaster: chromosome
breakage or mitotic crossing-over? 303
- Symons, Robert H.
The two-step purification of ribosomal
RNA and plant viral RNA by
polyacrylamide slab gel
electrophoresis 25
- Tan, B. H. *See* Luig, N. H.
- Tang, B. Y., and Adams, N. R.
Enzyme activities and protein and
carbohydrate concentrations in cervical
secretions at dioestrus in normal ewes
and ewes with permanent
phytoestrogenic infertility 241
- Tassell, Robin, Chamley, W. A., and
Kennedy, J. P.
Gonadotrophin levels and ovarian
development in the neonatal ewe
lamb 267
- Taylor, J. W. *See* Peel, C. J.
- Thompson, E. O. P., and Fisher, W. K.
A correction and extension of the
acetylated amino terminal sequence of
ovalbumin 443
Amino acid sequences containing half-
cystine residues in ovalbumin 433
- Thompson, P. G. *See* Schuntner, C. A.
- Thulborn, Keith R. *See* Haigh, Elizabeth A.
- Thurnbull, K. E., Mattner, P. E., George,
J. M., and Scaramuzzi, R. J.
The relation between patterns of ovarian
follicle growth and ovulation rate in
sheep 649
- Tyndale-Biscoe, C. H. *See* Walker, K. Z.
- Uhlenbruck, G. *See* Baldo, B. A.
- Vijayammal, P. L., and Kurup, P. A.
Pyridoxine and atherosclerosis: role of
pyridoxine in the metabolism of lipids
and glycosaminoglycans in rats fed
normal and high fat, high cholesterol
diets containing 16% casein 7
- Walker, K. Z., and Tyndale-Biscoe, C. H.
Immunological aspects of gestation in the
tammur wallaby, *Macropus eugenii* 173
- Wallace, A. L. C., Gleeson, A. R., Hopkins,
P. S., Mason, R. W., and White, R. R.
Plasma thyroxine concentration in grazing
sheep in several areas of Australia 39
- Wallace, A. L. C. *See also* Panaretto, B. A.
- Warnes, G. M., Amato, F., and Seamark,
R. F.
Prostaglandin F in the fallopian tube
secretion of the ewe 275
- White, R. R. *See* Wallace, A. L. C.
- Whiteley, Kenneth J. *See* Kaplin, Ian J.
- Williams, V. J., and Senior, W.
The effect of semi-starvation on the
digestibility of food in young adult female
rats 593
- Zamari, Mohammad Javad
Effects of reduced food intake on
reproduction in mice 629