

## Index to Volume 36

### Authors and Titles

- Adams, N. R., and Martin, G. B.  
Effects of oestradiol on plasma concentrations of luteinizing hormone in ovariectomized ewes with clover disease 295
- Arthur, Peter G. *See* Willcox, David L. 173
- Axelson, Magnus. *See* Collins, David J. 315
- Benevenga, N. J., Radcliffe, B. C., and Egan, A. R.  
Tissue metabolism of methionine in sheep 475
- Berman, the late M. *See* Wastney, M. E. 463
- Bickerstaffe, R. *See* Wastney, M. E. 271, 463
- Bindon, B. M. *See* Post, T. B. 545; Tassell, Robin J. 351
- Bradshaw, J. E. *See* Smythe, G. A. 379, 519
- Broad, T. E., Sedcole, J. R., and Ngan, Anna S.  
Incorporation of glucose into lipid of perirenal and subcutaneous adipocytes of rats and sheep; influence of insulin 147
- Brooks, D. E.  
Epididymal functions and their hormonal regulation 205
- Brown, A. H. D., and Burdon, J. J.  
Multilocus diversity in an outbreeding weed, *Echium plantagineum* L. 503
- Burdon, J. J., Luig, N. H., and Marshall, D. R.  
Isozyme uniformity and virulence variation in *Puccinia graminis* f. sp. *tritici* and *P. recondita* f. sp. *tritici* in Australia 403
- Burdon, J. J. *See also* Brown, A. H. D. 503
- Chapman, R. E. *See* Hollis, D. E. 419
- Chararas, Constantin, and Chipoulet, Jean-Marc  
Studies on the digestion of cellulose by the larvae of the *Eucalyptus* borer, *Phoracantha semipunctata* (Coleoptera: Cerambycidae) 223
- Chipoulet, Jean-Marc. *See* Chararas Constantin 223
- Clark, B. L. *See* O'Donnell, I. J. 15
- Collins, David J., and Stone, Grant M.  
The structure and function of oestrogens. VI. The quinone methide hypothesis: stability of the benzylic hydrogen atoms of *meso*-hexoestrol during oestrogenic stimulation in mice 305
- Collins, David J., Stone, Grant M., and Axelson, Magnus  
The structure and function of oestrogens. VII. The use of (9,12,12<sup>2</sup>H<sub>3</sub>)- and (11 $\xi$ ,12,12<sup>2</sup>H<sub>3</sub>)oestradiol in a test of the quinone methide hypothesis for oestrogen action 315
- Cooper, D. W., Woolley, P. A., Maynes, G. M., Sherman, F. S., and Poole, W. E.  
Studies on metatherian sex chromosomes. XII. Sex-linked inheritance and probable paternal X-inactivation of  $\alpha$ -galactosidase A in Australian marsupials 511
- Corrigendum 284
- Davies, Richard, A. H. *See* Dearn, John M. 387
- Day, T. A., West, Malcolm J., and Willoughby, John O.  
Stress suppression of growth hormone secretion in the rat: effect of disruption of inhibitory noradrenergic afferents to the median eminence 525
- Dearn, John M., and Davies, Richard A. H.  
Natural selection and the maintenance of colour pattern polymorphism in the Australian plague locust, *Chortoicetes terminifera* 387
- Duncan, M. W. *See* Smythe, G. A. 379
- Egan, A. R. *See* Benevenga, N. J. 475

- Fisher, W. K., and Thompson, E. O. P.  
Amino acid sequence studies on sheep liver  
fructose-bisphosphatase. II. The complete  
sequence 235
- Frater, R.  
Inhibition of growth of hair follicles by a  
lectin-like substance from rat skin 411
- Gadiel, P. A. *See* Messer, M. 129; Stewart,  
I. M. 139
- Galil, K. A. A. *See* Setchell, B. P. 285
- George, Frederick W. *See* Wilson, Jean  
D. 101
- Gow, C. B., McDowell, G. H., and Jenkin,  
G. J.  
Importance of prolactin for initiation of  
lactation in the pregnant ewe 357
- Green, Brian, Griffiths, Mervyn, and Leckie,  
R. M. C.  
Qualitative and quantitative changes in  
milk fat during lactation in the tammar  
wallaby (*Macropus eugenii*) 455
- Griffin, James E. *See* Wilson, Jean D. 101
- Griffiths, M. *See* Green, Brian 455; Messer,  
M. 129; Stewart, I. M. 139
- Hartmann, Peter E. *See* Willcox, David  
L. 173
- Hickey, M. W., Hillier, A. J., and Jago, G. R.  
Metabolism of pyruvate and citrate in  
lactobacilli 487
- Hillier, A. J. *See* Hickey, M. W. 487
- Hollis, D. E., Chapman, R. E., Panareto,  
B. A., and Moore, G. P. M.  
Morphological changes in the skin and  
wool fibres of sheep infused with mouse  
epidermal growth factor 419
- Howells, A. J. *See* Turnbull, I. F. 251
- Ilag, Lina L. *See* Serrano, Edralina P. 445
- Jago, G. R. *See* Hickey, M. W. 487
- Jenkin, G. J. *See* Gow, C. B. 357
- Jones, A. R.  
The antifertility actions of  $\alpha$ -chlorohydrin  
in the male 333
- Keast, D., and Tonkin, C.  
Antifungal activity of Western Australian  
soil actinomycetes against *Phytophthora*  
and *Pythium* species and a mycorrhizal  
fungus, *Laccaria laccata* 191
- Kennedy, J. P. *See* Tassell, Robin J. 351
- Kennedy, T. G.  
Embryonic signals and the initiation of  
blastocyst implantation 531
- Leckie, R. M. C. *See* Green, Brian 455
- Leshin, Mark. *See* Wilson, Jean D. 101
- Lindsay, D. R. *See* Martin, G. B. 369
- Luig, N. H. *See* Burdon, J. J. 403
- MacPhee, D. G. *See* Reanney, D. C. 77
- Maloney, J. E.  
Review of experimental studies on the  
functional development of the respiratory  
system in the foetal lamb 1
- Marshall, D. R. *See* Burdon, J. J. 403
- Martin, G. B., Scaramuzzi, R. J., Oldham,  
C. M., and Lindsay, D. R.  
Effects of progesterone on the responses of  
Merino ewes to the introduction of rams  
during anoestrus 369
- Martin, G. B. *See also* Adams, N. R. 295
- Maynes, G. M. *See* Cooper, D. W. 511
- McBride, W. G.  
Note on the paper 'Effects of scopolamine  
hydrobromide on the development of the  
chick and rabbit embryo' by W. G.  
McBride, P. H. Vardy and  
J. French 171
- McCaffery, C. *See* Stone G. M. 61
- McDowell, G. H. *See* Gow, C. B. 357
- McKern, Neil M.  
Stimulatory effect of phenylmethylsulfonyl  
fluoride upon sulfate uptake by costal  
cartilage 35
- Comparison of sulfate metabolism in costal  
cartilage of normal and 'little' mice 263
- Messer, M., Gadiel, P. A., Ralston, G. B.,  
and Griffiths, M.  
Carbohydrates of the milk of the  
platypus 129
- Messer, M. *See also* Stewart, I. M. 139
- Mendoza, Evelyn Mae T. *See* Serrano,  
Edralina P. 445
- Miller, B. G. *See* Stone, G. M. 61
- Moore, G. P. M. *See* Hollis, D. E. 419
- Morton, T. C. *See* Reis, P. J. 157
- Munro, S. G. *See* Reis, P. J. 157
- Nancarrow, D.  
Decline with age in the rate of reduction of  
progesterone to  $20\alpha$ -hydroxy pregn-4-en-  
3-one in the blood of perinatal  
ruminants 183
- Ngan, Anna S. *See* Broad, T. E. 147
- Nicholson, M. V. *See* Smythe, G. A. 379
- O'Donnell, I. J., Stewart, D. J., and Clark,  
B. L.  
Serological identification of pilus antigen  
and other protein antigens of *Bacteroides*  
*nodosus* using electro-blot  
radioimmunoassay after electrophoretic  
fractionation of the proteins on sodium  
dodecyl sulfate polyacrylamide gels 15

- Oldham, C. M. *See* Martin, G. B. 369  
 Oldroyd, B., and Moran, C.  
     Heritability of worker characters in the honeybee (*Apis mellifera*) 323
- Panaretto, B. A. *See* Hollis, D. E. 419  
 Piper, L. R. *See* Tassell, Robin J. 351  
 Poole, W. E. *See* Cooper, D. W. 511  
 Post, T. B., and Bindon, B. M.  
     Plasma luteinizing hormone and testosterone concentrations in different breeds of young beef bulls in the tropics 545  
 Pressing, J. *See* Reanney, D. C. 77
- Radcliffe, B. C. *See* Benevenga, N. J. 475  
 Ralston, G. B. *See* Messer, M. 129  
 Ramberg, C. F. *See* Wastney, M. E. 463  
 Reanney, D. C., MacPhee, D. G., and Pressing, J.  
     Intrinsic noise and the design of the genetic machinery 77  
 Reis, P. J., Tunks, D. A., Rigby, R. D. G., Morton, T. C., and Munro, S. G.  
     Investigation of some amino acid analogues and metabolites as inhibitors of wool and hair growth 157  
 Rigby, R. D. G. *See* Reis, P. J. 157  
 Ritar, A. J., and Salamon, S.  
     Fertility of fresh and frozen-thawed semen of the Angora goat 49
- Salamon, S. *See* Ritar, A. J. 49  
 Sandars, Shelley, and Youatt, Jean  
     Amino acids in the control of differentiation of sporangia in *Allomyces macrogyrus* 435  
 Scaramuzzi, R. J. *See* Martin, G. B. 369  
 Sedcole, J. R. *See* Broad, T. E. 147  
 Serrano, Edralina P., Ilag, Lina L., and Mendoza, Evelyn Mae T.  
     Biochemical mechanisms of mimosine toxicity to *Sclerotium rolfsii* Sacc. 445  
 Setchell, B. P., and Galil, K. A. A.  
     Limitations imposed by testicular blood flow on the function of Leydig cells in rats *in vivo* 285  
 Sherman, F. S. *See* Cooper, D. W. 511  
 Smythe, G. A., and Bradshaw, J. F.  
     Different acute effects of the tyrosine hydroxylase inhibitors  $\alpha$ -methyl-*p*-tyrosine and 3-iodo-L-tyrosine on hypothalamic noradrenaline activity and adrenocorticotropic release in the rat 519  
 Smythe, G. A., Duncan, M. W., Bradshaw, J. E., and Nicholson, M. V.  
     Effects of 6-methoxy-1,2,3,4-tetrahydro- $\beta$ -
- carboline and yohimbine on hypothalamic monoamine status and pituitary hormone release in the rat 379  
 Stewart, D. J. *See* O'Donnell, I. J. 15  
 Stewart, I. M., Messer, M., Walcott, P. J., Gadiel, P. A., and Griffiths, M.  
     Intestinal glycosidase activities in one adult and two suckling echidnas: absence of a neutral lactase ( $\beta$ -D-galactosidase) 139  
 St George, T. D. *See* Uren, M. F. 91  
 Stone, G. M., McCaffery, C., Tassell, R., and Miller, R. G.  
     Progesterone-regulated changes in oestriadiol-stimulated guinea pig uterus: steroid hormone receptor levels and RNA and protein metabolism 61  
 Stone, G. M. *See also* Collins, David J. 305, 315  
 Stranger, R. S. *See* Uren, M. F. 91
- Tassell, Robin J., Kennedy, J. P., Bindon, B. M., and Piper, L. R.  
     Ovarian follicles of new-born Merino lambs from genetic lines which differ in fecundity 351  
 Tassell, R. *See also* Stone, G. M. 61  
 Thompson, E. O. P. *See* Fisher, W. K. 235; Webster, D. M. 21  
 Thornton, R. F. *See* Tume, R. K. 41  
 Tonkin, C. *See* Keast D. 191  
 Tume, R. K., Thornton, R. F., and Johnson, G. W.  
     Lipoprotein lipase of sheep and rat adipose tissue 41  
 Tunks, D. A. *See* Reis, P. J. 157  
 Turnbull, I. F., and Howells, A. J.  
     Integumental chitin synthase activity in cell-free extracts of larvae of the Australian sheep blowfly, *Lucilia cuprina*, and two other species of Diptera 251
- Uren, M. F., St George, T. D., and Stranger, R. S.  
     Epidemiology of ephemeral fever of cattle in Australia 1975-1981 91
- Walcott, P. J. *See* Stewart, I. M. 139  
 Wastney, M. E., Wolff, J. E., and Bickerstaffe, R.  
     Glucose turnover and hepatocyte glucose production of starved and toxæmic pregnant sheep 271  
 Wastney, M. E., Wolff, J. E., Bickerstaffe, R., Ramberg, C. F., and Berman, the late M.  
     Kinetics of glucose metabolism in sheep 463

- Webster, D. M., and Thompson, E. O. P.  
Amino acid sequences containing cysteine  
or cystine residues in ovalbumin from  
eggs of the turkey *Melagris gallopavo* 21
- West, Malcolm J. *See* Day, T. A. 525
- Whitely, Justin L. *See* Willcox, David  
L. 173
- Willcox, David L., Arthur, Peter G.,  
Hartmann, Peter E., and Whitely,  
Justin L.  
Perinatal changes in plasma oestradiol-17 $\beta$ ,  
cortisol and progesterone and the  
initiation of lactation in sows 173
- Willoughby, John O. *See* Day, T. A. 525
- Wilson, Jean D., Griffin, James E., George,  
Frederick W., and Leshin, Mark  
The endocrine control of male phenotypic  
development 101
- Wolff, J. E. *See* Wastney, M. E. 271, 463
- Woolley, P. A. *See* Cooper, D. W. 511
- Youatt, Jean  
Formation of O-ethylhomoserine during  
the controlled production of resistant  
sporangia in *Allomyces macrogynus* 497
- Youatt, Jean. *See also* Sandars, Shelley 435