

INDEX OF AUTHORS

- B**
- Barclay, Oliver R.** Some aspects of the mechanics of mammalian locomotion 116
- Barnes, H.** *See* ROTHSCHILD and BARNES
- Brown, R. H. J.** *See* RAMSAY, BROWN and FALLOON
- Brown, R. H. J.** The flight of birds. II. Wing function in relation to flight speed 90
- Browning, T. O.** The influence of temperature and moisture on the uptake and loss of water in the eggs of *Gryllulus commodus* Walker (Orthoptera-Gryllidae) 104
- C**
- Campbell, R. C., Hancock, J. L. and Rothschild, Lord.** Counting live and dead bull spermatozoa 44
- Cardin, A. and Meara, M. L.** The lipids of sea-urchin semen 561
- Chance, M. R. A.** Central nervous function and changes in brain metabolite concentration. III. Glycogen in the normal behaviour of mice 468
- Chapman, Garth.** Studies on the mesogloea of coelenterates. II. Physical properties 440
- Clark, Hugh.** Metabolism of the black snake embryo. I. Nitrogen excretion 492
— — II. Respiratory exchange 502
- D**
- Deuchar, E. M.** The regional properties of amphibian organizer tissue after disaggregation of its cells in alkali 18
- E**
- Edney, E. B.** The temperature of woodlice in the sun 331
- Ellenby, C.** Oxygen consumption and cell size. A comparison of the rate of oxygen consumption of diploid and triploid prepupae of *Drosophila melanogaster* Meigen 475
- Ellis, Peggy E.** The gregarious behaviour of marching *Locusta migratoria migratorioides* (R. & F.) hoppers 214
- Ewer, D. W. and Ripley, S. H.** On certain properties of the flight muscles of the Orthoptera 170
- F**
- Falloon, S. W. H. W.** *See* RAMSAY, BROWN and FALLOON
- Fatt, P. and Katz, B.** Distributed 'end-plate potentials' of crustacean muscle fibres 433
- Fatt, P. and Woodin, A. M.** The release of phosphate from the electric organ of *Torpedo* 68
- Florey, E.** *See* WIERSMA, FURSHPAN and FLOREY
- Fox, H. Munro and Mitchell, Yvonne.** Relation of the rate of antennal movement in *Daphnia* to the number of eggs carried in the brood pouch 238
- Fox, H. Munro and Sidney, Jasmine.** The influence of dissolved oxygen on the respiratory movements of caddis larvae 235
- Furshpan, E.** *See* WIERSMA, FURSHPAN and FLOREY
- H**
- Hancock, J. L.** The spermatozoa of sterile bulls 50
- Hancock, J. L.** *See* CAMPBELL, HANCOCK and ROTHSCHILD
- Harker, Janet E.** The diurnal rhythm of activity of mayfly nymphs 525
- Holmes, R.** The occurrence of blood groups in cats 350
- Hoyle, G.** Potassium ions and insect nerve muscle 121
- K**
- Katz, B.** *See* FATT and KATZ
- Kerkut, G. A.** The forces exerted by the tube feet of the starfish during locomotion 575
- Knight-Jones, E. W.** Laboratory experiments on gregariousness during setting in *Balanus balanoides* and other barnacles 584
- M**
- Matthews, G. V. T.** Navigation in the Manx shearwater 370
— Sun navigation in homing pigeons 243
— The orientation of untrained pigeons: a dichotomy in the homing process 268
- Meara, M. L.** *See* CARDIN and MEARA
- Mitchell, Yvonne.** *See* FOX and MITCHELL
- Mitchison, J. M.** A polarized light analysis of the human red cell ghost 397
— Microdissection experiments on sea-urchin eggs at cleavage 515
— *See also* SWANN and MITCHISON
- N**
- Naylor, E. J.** *See* STANWORTH and NAYLOR
- Needham, A. E.** The central nervous system and regeneration in Crustacea 151
- P**
- Parry, G.** Osmotic and ionic regulation in the isopod crustacean *Ligia oceanica* 567
- Passonneau, Janet V. and Williams, Carroll M.** The moulting fluid of the *Cecropia* silkworm 545

- Pilgrim, R. L. C.** Osmotic relations in molluscan contractile tissues. I. Isolated ventricle-strip preparations from lamellibranchs (*Mytilus edulis* L., *Ostrea edulis* L., *Anodonta cygnea* L.) 297
 — Osmotic relations in molluscan contractile tissues. II. Isolated gill preparations from lamellibranchs (*Mytilus edulis* L., *Ostrea edulis* L., *Anodontacygnea* L.) 318
- R**
- Ramsay, J. A.** Exchanges of sodium and potassium in mosquito larvae 79
 — Active transport of potassium by the Malpighian tubules of insects 358
- Ramsay, J. A., Brown, R. H. J. and Falloon, S. W. H. W.** Simultaneous determination of sodium and potassium in small volumes of fluid by flame photometry 1
- Ripley, S. H.** See EWER and RIPLEY
- Robertson, James D.** Further studies on ionic regulation in marine invertebrates 277
- Rothschild, Lord.** The fertilization reaction in the sea-urchin. The induction of polyspermy by nicotine 57
 — A new method of measuring the activity of spermatozoa 178
 — See also CAMPBELL, HANCOCK and ROTHSCHILD
- Rothschild, Lord and Barnes, H.** The inorganic constituents of the sea-urchin egg 534
- S**
- Sidney, Jasmine.** See FOX and SIDNEY
- Stanworth, A. and Naylor, E. J.** Polarized light studies of the cornea. I. The isolated cornea 160
- Stanworth, A.** Polarized light studies of the cornea. II. The effect of intra-ocular pressure 1164
- Swann, M. M. and Mitchison, J. M.** Cleavage of sea-urchin eggs in colchicine 506
- T**
- Trueman, E. R.** Observations on certain mechanical properties of the ligament of *Pecten* 453
- W**
- White, I. G.** The effect of washing on the motility and metabolism of ram, bull and rabbit spermatozoa 200
- Wiersma, C. A. G., Furshpan, E. and Florey, E.** Physiological and pharmacological observations on muscle receptor organs of the crayfish, *Cambarus clarkii* Girard 136
- Williams, Carroll M.** See PASSONNEAU and WILLIAMS
- Woodin, A. M.** See FATT and WOODIN