

Contents

Volume 200 (4) 1997

Bevan, R. M., Boyd, I. L., Butler, P. J., Reid,

K., Woakes, A. J. and Croxall, J. P.

Heart rates and abdominal temperatures of free-ranging South Georgian shags, *Phalacrocorax georgianus*

661–675

Bradacs, H., Cooper, R. L., Msghina, M. and Atwood, H. L.

Differential physiology and morphology of phasic and tonic motor axons in a crayfish limb extensor muscle

677–691

Hirayama, Y., Kanoh, S., Nakaya, M. and Watabe, S.

The two essential light chains of carp fast skeletal myosin, LC1 and LC3, are encoded by distinct genes and change their molar ratio following temperature acclimation

693–701

Franklin, C. E. and Johnston, I. A.

Muscle power output during escape responses in an Antarctic fish

703–712

Naitoh, Y., Tominaga, T., Ishida, M., Fok, A. K., Aihara, M. S. and Allen, R. D.

How does the contractile vacuole of *Paramecium multimicronucleatum* expel fluid? Modelling the expulsion mechanism

713–721

Meyers, D. E. R. and Cooke, I. M.

Comparison of Ca^{2+} currents of peptidergic neurons developing differing morphology with time in culture

723–733

Drushel, R. F., Neustadter, D. M., Shallenberger, L. L., Crago, P. E. and Chiel, H. J.

The kinematics of swallowing in the buccal mass of *Aplysia californica*

735–752

Reilly, S. M. and DeLancey, M. J.

Sprawling locomotion in the lizard *Sceloporus clarkii*: quantitative kinematics of a walking trot

753–765

Gillis, G. B.

Anguilliform locomotion in an elongate salamander (*Siren intermedia*): effects of speed on axial undulatory movements

767–784

Sartoris, F. J. and Pörtner, H. O.

Increased concentrations of haemolymph Mg^{2+} protect intracellular pH and ATP levels during temperature stress and anoxia in the common shrimp *Crangon crangon*

785–792

Faulkes, Z. and Paul, D. H.

Digging in sand crabs (Decapoda, Anomura, Hippoidea): interleg coordination

793–805

Axelsson, M., Franklin, C. E., Fritzsche, R., Grigg, G. C. and Nilsson, S.

The sub-pulmonary conus and the arterial anastomosis as important sites of cardiovascular regulation in the crocodile *Crocodylus porosus*

807–814

Söderström, V., Nilsson, G. E. and Lutz, P. L.

Effects of inhibition of nitric oxide synthesis and of hypercapnia on blood pressure and brain blood flow in the turtle

815–820

Kram, R., Domingo, A. and Ferris, D. P.

Effect of reduced gravity on the preferred walk-run transition speed

821–826

Kelber, A.

Innate preferences for flower features in the hawkmoth *Macroglossum stellatarum*

827–836

Pelz, C., Gerber, B. and Menzel, R.

Odorant intensity as a determinant for olfactory conditioning in honeybees: roles in discrimination, overshadowing and memory consolidation

837–847