

JBESJ117001

SILLAR, KEITH T. AND HEITLER, WILLIAM J. The neural basis of escape swimming behaviour in the squat lobster <i>Galathea strigosa</i> . III. Mechanisms for burst production	291
CAMERON, JAMES N. The bone compartment in a teleost fish, <i>Ictalurus punctatus</i> : size, composition and acid-base response to hypercapnia	307
OIKARI, A. O. J. AND RANKIN, J. C. Renal excretion of magnesium in a freshwater teleost, <i>Salmo gairdneri</i>	319
SMITH, DAVID G., NILSSON, STEFAN, WAHLQVIST, INGER AND ERIKSSON, BRITT-MARIE. Nervous control of the blood pressure in the Atlantic cod, <i>Gadus morhua</i>	335
BRACKENBURY, J. H. AND EL-SAYED, M. S. Comparison of running energetics in male and female domestic fowl.	349
JOSEPHSON, ROBERT K. The mechanical power output of a tettigoniid wing muscle during singing and flight	357
ZEČEVIĆ, DEJAN, LEVITAN, HERBERT AND PAŠIĆ, MIRA. Temperature acclimation: influence on transient outward and inward currents in an identified neurone of <i>Helix pomatia</i>	369
MILSOM, WILLIAM K. AND JONES, DAVID R. Characteristics of mechanoreceptors in the air-breathing organ of the holostean fish, <i>Amia calva</i>	389
HALE, J. P. AND BURROWS, M. Innervation patterns of inhibitory motor neurones in the thorax of the locust	401
DUBAS, F. AND BOYLE, P. R. Chromatophore motor units in <i>Eledone cirrhosa</i> (Cephalopoda: Octopoda)	415
BARRETT, D. J. AND TAYLOR, E. W. Spontaneous efferent activity in branches of the vagus nerve controlling heart rate and ventilation in the dogfish	433
BARRETT, D. J. AND TAYLOR, E. W. The location of cardiac vagal preganglionic neurones in the brain stem of the dogfish <i>Scyliorhinus canicula</i>	449
BARRETT, D. J. AND TAYLOR, E. W. The characteristics of cardiac vagal preganglionic motoneurones in the dogfish	459

SHORT COMMUNICATIONS

DRIEDZIC, WILLIAM R. Contractile performance of cephalopod hearts under anoxic conditions	471
SMITH, P. J. S., DUTHIE, G. G., WELLS, M. J. AND HOULIHAN, D. F. Continuous recording of arterial blood P_{O_2} in <i>Octopus vulgaris</i> during progressive hypoxia and movement.	475
TIMPE, LESLIE C. AND STUART, ANN E. Acetylcholine depolarizes barnacle photoreceptors.	481