

CONTENTS

	Page
Light, P., Salmon, M. and Lohmann, K. J. Geomagnetic orientation of loggerhead sea turtles: evidence for an inclination compass	1
Grodnitsky, D. L. and Morozov, P. P. Vortex formation during tethered flight of functionally and morphologically two-winged insects, including evolutionary considerations on insect flight	11
Hinds, D. S., Baudinette, R. V., MacMillen, R. E. and Halpern, E. A. Maximum metabolism and the aerobic factorial scope of endotherms	41
Wortmann, M. and Zarnack, W. Wing movements and lift regulation in the flight of desert locusts	57
Astrup, J. and Møhl, B. Detection of intense ultrasound by the cod <i>Gadus morhua</i>	71
Wenning, A., Cahill, M. A., Hoeger, U. and Calabrese, R. L. Sensory and neurosecretory innervation of leech nephridia is accomplished by a single neurone containing FMRFamide	81
Jones, D. R., Brill, R. W. and Bushnell, P. G. Ventricular and arterial dynamics of anaesthetised and swimming tuna	97
Worden, M. K., Rahamimoff, R. and Kravitz, E. A. Ion channel activity in lobster skeletal muscle membrane	113
Awad, E. W. and Anctil, M. Positive coupling of β -like adrenergic receptors with adenylate cyclase in the cnidarian <i>Renilla koellikeri</i>	131
Westneat, M. W., Long, J. H., Hoesse, W. and Nowicki, S. Kinematics of birdsong: functional correlation of cranial movements and acoustic features in sparrows	147
Dickinson, M. H., Lehmann, F.-O. and Götz, K. G. The active control of wing rotation by <i>Drosophila</i>	173
Altringham, J. D., Wardle, C. S. and Smith, C. I. Myotomal muscle function at different locations in the body of a swimming fish	191
Norberg, U. M., Kunz, T. H., Steffensen, J. F., Winter, Y. and von Helversen, O. The cost of hovering and forward flight in a nectar-feeding bat, <i>Glossophaga soricina</i> , estimated from aerodynamic theory	207
Wolf, H. The locust tegula: significance for flight rhythm generation, wing movement control and aerodynamic force production	229
Buckingham, S. D., Lummis, S. C. R., Balk, M. L., Schroeder, M. and Sattelle, D. B. Actions of vesamicol on an α -bungarotoxin-sensitive neuronal nicotinic acetylcholine receptor	255

SHORT COMMUNICATIONS

Groome, J. R., Clark, M. and Lent, C. M. The behavioural state of satiation in the leech is regulated by body distension and mimicked by serotonin depletion	265
Land, S. C. and Hochachka, P. W. Compartmentation of liver phosphoenolpyruvate carboxykinase in the aquatic turtle <i>Pseudemys scripta elegans</i> : a reassessment	271
McKean, T. A., Rocklage, A. and Schneider, R. J. Glibenclamide binding in vertebrate cardiac membranes	275
Zachariassen, K. E. and Einarson, S. Regulation of body fluid compartments during dehydration of the tenebrionid beetle <i>Rhytiphora praelonga</i>	283
Goldstein, L., Luer, C. A. and Blum, P. C. Taurine transport characteristics of the embryonic skate (<i>Raja eglanteria</i>) heart	291
Information about the Journal	