

CONTENTS

	PAGE
BØRSETH, J. F., AUNAAS, T., EINARSON, S., NORDTUG, T., OLSEN, A. J. AND ZACHARIASSEN, K. E. Pollutant-induced depression of the transmembrane sodium gradient in muscles of mussels	1
MILES, C. L., MAY, M. L., HOLBROOK, E. H. AND HOY, R. R. Multisegmental analyses of acoustic startle in the flying cricket (<i>Teleogryllus oceanicus</i>): kinematics and electromyography	19
CANALS, P., GALLARDO, M. A., BLASCO, J. AND SÁNCHEZ, J. Uptake and metabolism of L-alanine by freshly isolated trout (<i>Salmo trutta</i>) hepatocytes: the effect of fasting.....	37
HASHEMZADEH-GARGARI, H. AND FRESCHE, J. The effects of glutamate agonists on voltage-clamped motoneurons of the lobster cardiac ganglion	53
BOOTHBY, K. M. AND ROBERTS, A. The stopping response of <i>Xenopus laevis</i> embryos: pharmacology and intracellular physiology of rhythmic spinal neurones and hindbrain neurones	65
CHANG, W. AND LORETZ, C. A. Activation by membrane stretch and depolarization of an epithelial monovalent cation channel from teleost intestine	87
TUFTS, B. L., BAGATTO, B. AND CAMERON, B. <i>In vivo</i> analysis of gas transport in arterial and venous blood of the sea lamprey <i>Petromyzon marinus</i>	105
NOVALES-FLAMARIQUE, I., HENDRY, A. AND HAWRYSHYN, C. W. The photic environment of a salmonid nursery lake	121
GRODNITSKY, D. L. AND MOROZOV, P. P. Flow visualization experiments on tethered flying green lacewings <i>Chrysopa dasyptera</i>	143
WIESER, W., LAICH, A. AND MEDGYESY, N. Energy allocation and yield and cost of growth in young <i>Esox lucius</i> and <i>Coregonus lavaretus</i> (Teleostei): influence of species, prey type and body size	165
CATTAERT, D., BARTHE, J.-Y., NEIL, D. M. AND CLARAC, F. Remote control of the swimmeret central pattern generator in crayfish (<i>Procambarus clarkii</i> and <i>Pacifastacus leniusculus</i>): effect of a walking leg proprioceptor.....	181
JONES, J. M., WENTZELL, L. A. AND TOEWS, D. P. Posterior lymph heart pressure and rate and lymph flow in the toad <i>Bufo marinus</i> in response to hydrated and dehydrated conditions	207
DICKINSON, M. H. Directional sensitivity and mechanical coupling dynamics of campaniform sensilla during chord-wise deformations of the fly wing	221
TANG, Y., LIN, H. AND RANDALL, D. J. Compartmental distributions of carbon dioxide and ammonia in rainbow trout at rest and following exercise, and the effect of bicarbonate infusion	235

SHORT COMMUNICATIONS

LIEBER, R. L., RAAB, R., KASHIN, S. AND EDGERTON, V. R. Sarcomere length changes during fish swimming	251
CLEGG, J. S. Post-anoxic viability and developmental rate of <i>Artemia franciscana</i> encysted embryos	255
WAKELING, J. M. AND HODGSON, J. Optimisation of the flight speed of the little, common and sandwich tern	261
LEECH, C. A., BAI, D. AND SATTELLE, D. B. A sulphhydryl reducing agent, dithiothreitol, modifies agonist-nicotinic receptor interaction in an identified insect neurone	267

INFORMATION ABOUT THE JOURNAL