

HEITLER, W. J. AND FRASER, K. The segmental giant neurone of the hermit crab, <i>Eupagurus bernhardus</i> . . . . .	245
SCHMIDT, J. M. AND SMITH, J. J. B. Correlations between body angles and substrate curvature in the parasitoid wasp <i>Trichogramma minutum</i> : a possible mechanism of host radius measurement. . . . .	271
SPEEDING, G. R. The wake of a jackdaw ( <i>Corvus monedula</i> ) in slow flight . . . . .	287
ABBY-KALIO, N. J. AND WARNER, G. F. Adduction levers and adductor muscle function in the mandibular system of the shore crab <i>Carcinus maenas</i> . . . . .	309
FARRELL, A. P., MACLEOD, K. R. AND CHANCEY, B. Intrinsic mechanical properties of the perfused rainbow trout heart and the effects of catecholamines and extracellular calcium under control and acidotic conditions. . . . .	319
FARRELL, A. P. AND MILLIGAN, C. L. Myocardial intracellular pH in a perfused rainbow trout heart during extracellular acidosis in the presence and absence of adrenaline . .	347
NEWMAN, D. J. S. AND WOOTTON, R. J. An approach to the mechanics of pleating in dragonfly wings. . . . .	361
SHUTTLEWORTH, T. J. AND THOMPSON, J. L. Perfusion-secretion relationships in the isolated elasmobranch rectal gland . . . . .	373

## SHORT COMMUNICATIONS

BOOTHBY, KATE M. AND MCFARLANE, IAN D. Chemoreception in sea anemones: betaine stimulates the pre-feeding response in <i>Urticina eques</i> and <i>U. felina</i> . . . . .	385
GERENCSEK, GEORGE A. Inhibition of a chloride pump by acetazolamide in the intestine of <i>Aplysia californica</i> . . . . .	391
MESSENGER, J. B. AND MIYAN, J. A. Neural correlates of colour change in cuttlefish . . .	395
BRYCESON, KIM P. The effect of screening pigment migration on spectral sensitivity in a crayfish reflecting superposition eye . . . . .	401
OHYAMA, TAKAHIRO AND TOH, YOSHIHIRO. Multimodality of ocellar interneurons of the American cockroach. . . . .	405
LAUDER, GEORGE V. Aquatic prey capture in fishes: experimental and theoretical approaches . . . . .	411