

The Journal of Experimental Biology

EDITED BY

V. B. WIGGLESWORTH and J. A. RAMSAY

Contents

	PAGE
SATCHELL, G. H. Intrinsic vasomotion in the dogfish gill	503
MILLER, P. L. Spiracle control in adult dragonflies (Odonata)	513
BAINBRIDGE, RICHARD. Training, speed and stamina in trout	537
MUNTZ, W. R. A., SUTHERLAND, N. S. and YOUNG, J. Z. Simultaneous shape discrimination in <i>Octopus</i> after removal of the vertical lobe	557
BOYCOTT, B. B. and GUILLERY, R. W. Olfactory and visual learning in the red-eared terrapin, <i>Pseudemys scripta elegans</i> (Wied.)	567
DORSETT, D. A. Preparation for flight by hawk-moths	579
YOSHIDA, M. The effect of light on the shadow reaction of the sea urchin, <i>Diadema setosum</i> (Leske)	589
WALLIS, D. I. Olfactory stimuli and oviposition in the blowfly, <i>Phormia regina</i> Meigen. (With Plate 1)	603
ROOTS, BETTY I. and PROSSER, C. LADD. Temperature acclimation and the nervous system in fish	617
TREHERNE, J. E. Some effects of the ionic composition of the extracellular fluid on the electrical activity of the cockroach abdominal nerve cord	631
WILSON, DONALD M. and WEIS-FOGH, TORTEL. Patterned activity of co-ordinated motor units, studied in flying locusts. (With Plate 1)	643
WILSON, DONALD M. Bifunctional muscles in the thorax of grasshoppers	669
INDEX	679

Published for The Company of Biologists Limited

CAMBRIDGE UNIVERSITY PRESS

BENTLEY HOUSE, 200 EUSTON ROAD, LONDON, N.W.1

AMERICAN BRANCH: 32 EAST 57TH STREET, NEW YORK 22, N.Y.

Price 30s. net (U.S.A. \$5.00). Subscription per volume 84s. (U.S.A. \$14.00)