

## PARASITOLOGY

**SUBSCRIPTIONS** may be sent to any bookseller or subscription agent or direct to Cambridge University Press, P.O. Box 110, Cambridge CB2 3RL. Subscriptions in the U.S.A. and Canada should be sent to Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022. The subscription price of volumes 78 and 79, 1979, is £21.00 net (including postage) for a volume of three parts (US \$52.50 in the U.S.A. and Canada) payable in advance (£42.00 or US \$105.00 per year); separate parts cost £9.00 net or US \$22.50 each (plus postage).

**BACK VOLUMES.** Vols. 1-39: Inquiries should be addressed to Wm. Dawson & Sons Ltd, Cannon House, Folkestone, Kent. Vols. 40 onwards: quotations for parts still in print may be obtained from the Cambridge or New York offices of the Cambridge University Press.

**COPYING.** This journal is registered with the Copyright Clearance Center, New York. Organizations in the U.S.A. who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. © law) subject to payment to C.C.C. of the per-copy fee indicated in the code on the first page of the article. This consent does not extend to multiple copying for promotional or commercial purposes.

**ISI TEAR SERVICE,** 325 Chestnut Street, Philadelphia, Pennsylvania 19106, U.S.A., is authorized to supply single copies of separate articles for private use only.

**FOR ALL OTHER USE,** permission should be sought from the Cambridge or New York offices of the Cambridge University Press.

**CLAIMS** for missing issues can only be considered if made immediately after receipt of the subsequent issue.

**ADVERTISING.** Details of advertising in *Parasitology* may be obtained from the publisher.

The previous part was published on 29 May 1979

# PARASITOLOGY

Volume 79, Part 1, August 1979

## CONTENTS

	PAGE
WHARTON, D. A. The structure and formation of the egg-shell of <i>Hammerschmidtella diesingi</i> Hammerschmidt (Nematoda: Oxyuroidea)	1
WHARTON, D. A. The structure and formation of the egg-shell of <i>Syphacia obvelata</i> Rudolphi (Nematoda: Oxyurida)	13
WILSON, P. A. G. Tracking radioactive larvae of <i>Strongyloides ratti</i> in the host	29
GEORGI, JAY R., FAHNESTOCK, GLENN R., BOHM, MARGUERITE F. K. and ADSIT, JANE C. The migration and development of <i>Filaroides hirthi</i> larvae in dogs	39
WHEATER, P. R. and WILSON, R. A. <i>Schistosoma mansoni</i> : a histological study of migration in the laboratory mouse	49
ANDERSON, R. M. and MAY, R. M. Prevalence of schistosome infections within molluscan populations: observed patterns and theoretical predictions	63
WRIGHT, C. A., ROLLINSON, D. and GOLL, P. H. Parasites in <i>Bulinus senegalensis</i> (Mollusca: Planorbidae) and their detection	95
LETCH, C. A. Host restriction, morphology and isoenzymes among trypanosomes of some British freshwater fishes	107
LETCH, C. A. and BALL, S. J. Prevalence of <i>Trypanosoma cobitis</i> Mitrophanow, 1883 in fishes from the River Lee	119
McLAREN, DIANE J., BANNISTER, L. H., TRIGG, P. I. and BUTCHER, G. A. Freeze fracture studies on the interaction between the malaria parasite and the host erythrocyte in <i>Plasmodium knowlesi</i> infections	125
RANDOLPH, SARAH E. Population regulation in ticks: the role of acquired resistance in natural and unnatural hosts	141
MICHEL, J. F., LANCASTER, M. B. and HONG, C. The effect of age, acquired resistance, pregnancy and lactation on some reactions of cattle to infection with <i>Ostertagia ostertagi</i>	157
LATTER, VICTORIA S. and WILSON, R. G. Factors influencing the assessment of anti-coccidial activity in cell culture	169

© Cambridge University Press 1979

The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
Bentley House, 200 Euston Road, London NW1 2DB  
32 East 57th Street, New York, N.Y. 10022

*Printed in Great Britain at the University Press, Cambridge*