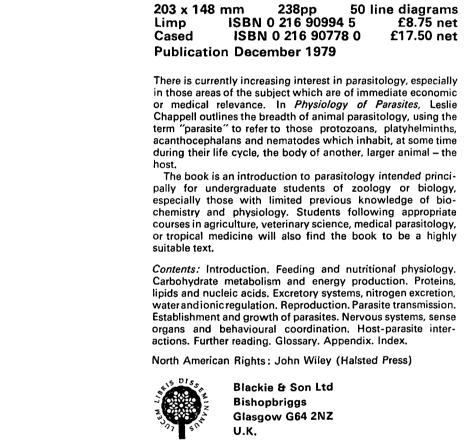


The Blackie Publishing Group

Physiology of Parasites

Leslie H Chappell, University of Aberdeen



Parasitology, 80, 1

(i)

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. All orders must be accompanied by payment. The subscription price of volumes 80 and 81, 1980, is £26.00 net (including postage) for a volume of three parts (US \$75.00 in the U.S.A. and Canada) payable in advance (£52.00 or US \$150.00 per year); separate parts cost £11.00 net or US \$32.00 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, P.O. Box 8891, Boston, Mass. 02114. 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. copyright 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, 3501 Market Street, Philadelphia, Pennsylvania 19104, 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 16 November 1979

PARASITOLOGY

Volume 80, Part 1, February 1980

CONTENTS

	PAGE
NELLAIPPAN, K. and RAMALINGAM, K. Stabilization of egg-shell in <i>Paraplerurus</i> sauridae (Digenea: Hemiuridae)	1
SHAW, M. K. The ultrastructure of the epidermis of Diplectanum aequans (Monogenea)	9
MAKI, JUN and YANAGISAWA, TOSHIO. Acid phosphatase activity demonstrated in the nematodes, <i>Dirofilaria immitis</i> and <i>Angiostrongylus cantonensis</i> with special reference to the characters and distribution	23
MARTIN, JEAN. Scanning electron microscope studies of the small intestine of rats maintained on a low protein diet and infected with Nippostrongylus brasiliensis	39
KENNEDY, M. W. Effects of the host immune response on the longevity, fecundity and position in the intestine of <i>Trichinella spiralis</i> in mice	49
KENNEDY, M. W. Immunologically mediated, non-specific interactions between the intestinal phases of <i>Trichinella spiralis</i> and <i>Nippostrongylus brasiliensis</i> in the mouse	61
WARD, P. F. V. and HUSKISSON, N. S. The role of carbon dioxide in the metabolism of adult <i>Haemonchus contortus</i> , in vitro	73
KUSEL, J. R., STONES, L. and TETLEY, L. Damage to surface membrane of <i>Schistosoma</i> <i>mansoni</i> by pristane (2, 6, 10, 14 tetramethyl pentadecane) and other hydrophobic compounds	83
TAVARES, C. A. P., CORDEIRO, M. N., MOTA-SANTOS, T. A. and GAZZINELLI, G. Arti- ficially transformed schistosomula of <i>Schistosoma mansoni</i> : mechanism of acquisition of protection against antibody-mediated killing	95
INFANTE, R. B., HERNANDEZ, A. G., RIGGIONE, F. and DAWIDOWICZ, K. A partial purification of leishmania amastigotes from cutaneous lesions, a new method	105
RAUTENBERG, P., REINWALD, E. and RISSE, H-J. Evidence for Concanavalin A binding sites on the surface coat of <i>Trypanosoma congolense</i>	113
NANTULYA, V. M. and DOYLE, J. J. Studies on <i>Trypanosoma</i> (nannomonas) congolense III. Antigenic variation in three cyclically transmitted stocks	123
NANTULYA, V. M. and DOYLE, J. J. Studies on <i>Trypanosoma</i> (nannomonas) congolense IV. Experimental immunization of mice against tsetse fly challenge	133
MILDER, REGINA and KLOETZEL, JUDITH. The development of <i>Trypanosoma cruzi</i> in macrophages <i>in vitro</i> . Interaction with lysosomes and host cell fate	139
ABRAHAMSOHN, I. A. and KLOETZEL, J. K. Presence of <i>Trypanosoma cruzi</i> antigen on the surface of both infected and uninfected cells in tissue culture	147
SANDERSON, C. J., THOMAS, JENNIFER A. and TWOMEY, CHERYL E. The growth of <i>Trypanosoma cruzi</i> in human diploid cells for the production of trypomastigotes	153
LETCH, C. A. The life-cycle of Trypanosoma cobitis Mitrophanow 1883	163
MACKEY, L., PERRIN, L., LEEMANS, E. and LAMBERT, P. H. The diagnosis of malaria infection using a solid-phase radioimmunoassay for the detection of malaria antigens. Application to the detection of <i>Plasmodium berghei</i> infection in mice	171
VARGHESE, T. Coccidian parasites of birds of the avian order Columbiformes with a description of two new species of <i>Eimeria</i>	183
Trends and Perspectives	
Ryley, John F. Recent developments in coccidian biology ; where do we go from here ?	189

Cambridge University Press 1980

The Pitt Building, Trumpington Street, Cambridge CB2 1RP 32 East 57th Street, New York, N.Y. 10022

Printed in Great Britain at the University Press, Cambridge