

PARASITOLOGY

SUBSCRIPTIONS may be sent to any bookseller or subscription agent or direct to Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU. 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 volume 86, 1983, is £50.00 net (including postage) for a volume of four parts (US \$129.00 in the U.S.A. and Canada) and for volume 87, 1983, £38.00 net (including postage) for a volume of three parts (US \$96.00 in the U.S.A. and Canada) payable in advance (£88.00 or US \$225.00 per year); separate parts cost £14.00 net or US \$36.00 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, 21 Congress Street, Salem, Mass. 01970. 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 of \$05.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0031-1820/83/0080-0001 \$05.00.

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.

PARASITOLOGY

Volume 87, Part 2, October 1983

CONTENTS

	PAGE
CANNING, ELIZABETH U., BARKER, ROSALIND J., HAMMOND, JILL C. and NICHOLAS, J. P. <i>Unikaryon slaptonleyi</i> sp.nov. (Microspora: Unikaryonidae) isolated from echinostome and strigeid larvae from <i>Lymnaea peregra</i> : observations on its morphology, transmission and pathogenicity	175
SHIRLEY, M. W., JEFFERS, T. K. and LONG, P. L. Studies to determine the taxonomic status of <i>Eimeria mitis</i> , Tyzzer 1929 and <i>E. nivati</i> , Edgar and Seibold 1964	185
RUSSELL, D. G. Host cell invasion by Apicomplexa: an expression of the parasite's contractile system?	199
DAVIES, MARY J., ROSS, A. M. and GUTTERIDGE, W. E. The enzymes of purine salvage in <i>Trypanosoma cruzi</i> , <i>Trypanosoma brucei</i> and <i>Leishmania mexicana</i>	211
SCHMATZ, D. M., BOLTZ, R. C. and MURRAY, P. K. <i>Trypanosoma cruzi</i> : separation of broad and slender trypomastigotes using a continuous hypaque gradient	219
CARROLL, S. M., GROVE, D. I., DAWKINS, H. J. S., MITCHELL, G. F. and WHITTEN, L. K. Infections with a Malaysian dog strain of <i>Ancylostoma ceylanicum</i> in outbred, inbred and immunocompromised mice	229
McLAUGHLIN, J. D. and MARCOGLIESE, D. The migration, growth and development of <i>Cyclocoelum oculeum</i> (Kossack, 1911) (Trematoda: Cyclocoelidae) in <i>Fulica americana</i> (Gm.)	239
MAIZELS, R. M., PARTONO, F., OEMIJATI, SRI, DENHAM, D. A. and OGILVIE, BRIDGET M. Cross-reactive surface antigens on three stages of <i>Brugia malayi</i> , <i>B. pahangi</i> and <i>B. timori</i>	249
KEYMER, ANNE, CROMPTON, D. W. T. and WALTERS, D. E. Parasite population biology and host nutrition: dietary fructose and <i>Moniliformis</i> (Acanthocephala)	265
CHERNIN, J. and McLAREN, DIANE J. The pathology induced in laboratory rats by metacestodes of <i>Taenia crassiceps</i> and <i>Mesocostoides corti</i> (Cestoda)	279
UGLEM, G. L., DUPRE, R. K. and HARLEY, J. P. Allosteric control of pyrimidine transport in <i>Hymenolepis diminuta</i> : an unusual kinetic isotope effect	289
RICHARDS, K. SYLVIA and ARME, C. Junctional complexes in the inner cyst tissue of the cysticercoid of <i>Hymenolepis diminuta</i> (Cestoda)	295
WALKER, R. W. and BARRETT, J. Mitochondrial adenosine triphosphatase activity and temperature adaptation in <i>Schistocephalus solidus</i> (Cestoda: Pseudophyllidea)	307
MOLONEY, N. A. and WEBBE, G. The host-parasite relationship of <i>Schistosoma japonicum</i> in CBA mice	327
<i>Trends and Perspectives</i>	
LOKER, ERIC S. A comparative study of the life-histories of mammalian schistosomes	343
<i>Proceedings of the British Society for Parasitology, 12-14 April 1983</i>	i

© Cambridge University Press 1983

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