
Parasite Immunology

Editors

G.A.T. Targett *London School of Hygiene and Tropical Medicine, London, England*

Bridget M. Ogilvie *Wellcome Trust, London, England*

Parasite Immunology is an international journal devoted to research on parasite immunology in the general sense. Emphasis is placed on how hosts control parasites, and the immunopathological reactions which take place in the course of parasitic infections. The journal welcomes original work on all parasites: helminths, fungi, protozoa, ectoparasites, bacteria and viruses. Each issue covers the spectrum of parasite immunology through the original papers published, and through 'viewpoint' articles, designed to interest as well as instruct.

Subscription Information

Parasite Immunology is published bi-monthly. Subscription rates for 1989 are £128.00 (UK), \$265.00 (USA & Canada), £154.00 (elsewhere) post free.

Order Form

Please tick the appropriate box and return to **Blackwell Scientific Publications Ltd, P.O. Box 88, Oxford, England.**

- I would like to subscribe to *Parasite Immunology*
- I wish to pay by cheque/money order (*delete as necessary*) and enclose the sum of
- I wish to pay by Access/Barclaycard/VISA/Mastercard (*delete as necessary*)

Please debit my credit card no.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiry date..... with the sum of

Signature..... Date

- Please send me a specimen copy of *Parasite Immunology*

Name

Address.....
.....

Blackwell Scientific Publications

P.O. Box 88, Oxford, England

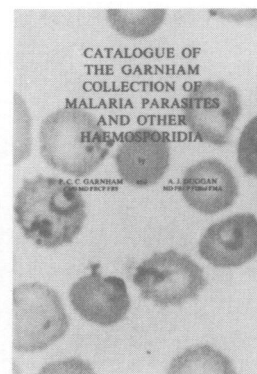
CAMBRIDGE

Catalogue of the Garnham Collection of Malaria Parasites and Other Haemosporidia

P. C. C. GARNHAM and A. J. DUGGAN

This unique reference work, intended primarily as a handbook for research workers examining the Garnham Collection of Malaria Parasites, describes in detail a collection consisting of more than 1000 specimens and covering almost 200 species from 170 hosts or vectors from all over the world. The collection is of especial interest because many of the items are 'types': the specimens on which original published descriptions were based. In addition the preliminary texts to each section of the book should prove a welcome addition to the current literature on malaria parasites.

196 pp. 1988 0 521 35725 X £20.00 net



Schistosomiasis: the St Lucia Project

PETER JORDAN

'... should be required reading for those who are about to embark on tropical field research.'

Parasitology

'This very readable account is not only of great scientific interest but a compelling story.'

The Lancet

456 pp. 1985 0 521 30312 5 £45.00 net

Cambridge University Press

The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU.

Continued from back cover

MAULE, A. G., HALTON, D. W., ALLEN, J. M. and FAIRWEATHER, I. Studies on motility <i>in vitro</i> of an ectoparasitic monogenean, <i>Diclidophora merlangi</i>	85
MCHUGH, T. D., JENKINS, T. and MCLAREN, DIANE J. <i>Strongyloides ratti</i> : studies of cutaneous reactions elicited in naive and sensitized rats and of changes in surface antigenicity of skin-penetrating larvae	95
DELVES, C. J., REES, H. H. and HOWELLS, R. E. Egg production in <i>Brugia pahangi</i> (Nematoda: Filarioidea)	105
ROBINSON, M., WAHID, F., BEHNKE, J. M. and GILBERT, F. S. Immunological relationships during primary infection with <i>Heligmosomoides polygyrus</i> (<i>Nematospiroides dubius</i>): dose-dependent expulsion of adult worms	115
HASWELL-ELKINS, MELISSA, ELKINS, DAVID and ANDERSON, R. M. The influence of individual, social group and household factors on the distribution of <i>Ascaris lumbricoides</i> within a community and implications for control strategies	125
HURD, HILARY. <i>Echinococcus granulosus</i> : a comparison of free amino acid concentration in hydatid fluid from primary and secondary cysts and host plasma	135
MONTGOMERY, S. S. J. and MONTGOMERY, W. I. Spatial and temporal variation in the infracommunity structure of helminths of <i>Apodemus sylvaticus</i> (Rodentia: Muridae)	145
WRIGHT, D. J., ROBERTS, I. T. J. and EVANS, S. G. Effect of the nematicide oxamyl on lipid utilization and infectivity in <i>Globodera rostochiensis</i>	151
BIRD, A. F., BONIG, INGRID and BACIC, A. Factors affecting the adhesion of micro-organisms to the surfaces of plant-parasitic nematodes	155

Parasitology

Back volumes. Vols. 1–71: Inquiries should be addressed to Wm. Dawson & Sons Ltd, Cannon House, Folkestone, Kent. Vols. 72 onwards: quotations for parts still in print may be obtained from Cambridge or the American Branch of Cambridge University Press.

Copying. This journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, Mass. 01970. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0031-1820/89 \$5.00+.00.

ISI Tear Sheet Service. 3051 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of 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

CONTENTS

	PAGE
MAHMALGI, J., VEIGNIE, E., PRENSIER, G. and MOREAU, S. Relations between resistance to chloroquine and acidification of endocytic vesicles of <i>Plasmodium berghei</i>	1
MALLINSON, D. J. and COOMBS, G. H. Biochemical characteristics of the metacyclic forms of <i>Leishmania major</i> and <i>L. mexicana mexicana</i>	7
LAM, P. K. S., WHITFIELD, P. J. and EDGE, H. Resistance to <i>Millettia</i> molluscicide in <i>Biomphalaria glabrata</i> : a quantitative genetical approach	17
WOOLHOUSE, M. E. J. and CHANDIWANA, S. K. Spatial and temporal heterogeneity in the population dynamics of <i>Bulinus globosus</i> and <i>Biomphalaria pfeifferi</i> and in the epidemiology of their infection with schistosomes	21
NODA, S. and LOKER, E. S. Effects of infection with <i>Echinostoma paraensei</i> on the circulating haemocyte population of the host snail <i>Biomphalaria glabrata</i>	35
MENSON, ESSIE N., COULSON, PATRICIA S. and WILSON, R. A. <i>Schistosoma mansoni</i> : circulating and pulmonary leucocyte responses related to the induction of protective immunity in mice by irradiated parasites	43
VIGNALI, DARIO, A. A., KLAUS, S. N., BICKLE, Q. D. and TAYLOR, M. G. Histological examination of the cellular reactions around schistosome of <i>Schistosoma mansoni</i> in the lungs of sublethally irradiated and unirradiated immune and control rats	57
TIELENS, A. G. M., CELIK, C., VAN DEN HEUVEL, J. M., ELFRING, R. H. and VAN DEN BERGH, S. G. Synthesis and degradation of glycogen by <i>Schistosoma mansoni</i> worms <i>in vitro</i>	67
WALKER, TINA K., SIMPSON, A. J. G. and ROLLINSON, D. Differentiation of <i>Schistosoma mansoni</i> from <i>S. rodhaini</i> using cloned DNA probes	75
WELLBURN, S. C. and GIBSON, W. C. Cloning of a repetitive DNA from the rickettsia-like organisms of tsetse flies (<i>Glossina</i> spp.)	81

Continued inside back cover

© Cambridge University Press 1989

The Pitt Building, Trumpington Street, Cambridge CB2 1RP
 32 East 57th Street, New York, NY 10022, USA
 10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by the University Press, Cambridge