

*A New Book!*

*Garcia-Ash*

## **DIAGNOSTIC PARASITOLOGY:**

### **Clinical Laboratory Manual**

A complete compilation of diagnostic techniques, this new manual presents methods for collecting, preparing, and examining specimens for identification of parasites. Major sections of the book cover: fecal material; sputum, aspirate, and biopsy material; blood; parasite identification, including adult larval and egg stages; culture methods; animal identification and serological procedures in identification; fixation of teaching specimens; supplies and product information.

Aids to further study include an extensive glossary of diagnostic terms, an annotated list of references, and a bibliography of parasitology texts.

By *Lynne Shore Garcia*, A.B., M.T. (ASCP) and *Lawrence R. Ash*, B.S., M.A., Ph.D. April, 1975. 112 pages plus FM I-X, 7" x 10", 71 illustrations. Price \$7.50

## **ALSO OF INTEREST ...**

### **MEDICAL PARASITOLOGY**

By *J. Walter Beck*, B.S., M.S., Ph.D., and *Elizabeth Barrett-Connor*, B.A., M.D., D.C.M.T. (London). 1971, 210 pages plus FM I-X, 7" x 10", 150 illustrations, including 140 drawings by *George S. Anderson, Jr.* Price \$13.25.

**INSTRUCTORS NOTE:** For a complimentary copy to evaluate firsthand for possible class adoption, simply write to the Textbook Department. Please be specific as to your course and the applicability of the requested text therein. (Offer good only in U.S. and Canada.)

# **MOSBY**

## **TIMES MIRROR**

THE C. V. MOSBY COMPANY  
11830 WESTLINE INDUSTRIAL DRIVE  
ST. LOUIS, MISSOURI 63141

## PARASITOLOGY

SUBSCRIPTIONS may be sent to any bookseller or subscription agent or direct to Cambridge University Press, P.O. Box 92, London NW1 2DB. 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 70 and 71, 1975, is £12.50 net (including postage) for a volume of three parts (US \$37.50 in the U.S.A. and Canada), payable in advance (£25.00 or US \$75.00 per year); separate parts cost £5.50 net or US \$16.50 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 London or New York offices of the Cambridge University Press.

FOR PERMISSION to reproduce material from *Parasitology*, please apply to the London or New York office of Cambridge University Press.

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.

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 15 August 1975

# PARASITOLOGY

Volume 71, Part 2, October 1975

## CONTENTS

	PAGE
LASER, HANS, KEMP, PATRICK, MILLER, NIGEL, LANDER, DAVID and KLEIN, ROGER. Malaria, quinine and red cell lysis	167
WILSON, R. J. M. and BARTHOLOMEW, R. K. The release of antigens by <i>Plasmodium falciparum</i>	183
RAY, D. K., BHOPALE, K. K. and SHRIVASTAVA, V. B. Development of <i>Ancylostoma ceylanicum</i> LOOSS, 1911 (Hamster strain) in the albino mouse, <i>Mus musculus</i> , with and without cortisone	193
TRIGG, P. I., SHAKESPEARE, P. G., BURT, SUSAN J. and KYD, SALLY I. Ribonucleic acid synthesis in <i>Plasmodium knowlesi</i> maintained both <i>in vivo</i> and <i>in vitro</i>	199
MACDONALD, SHEILA. Hatching rhythms in three species of <i>Dictidophora</i> (Monogenea) with observations on host behaviour	211
MICHAEL, E. and HODGES, R. D. Scanning electron microscopy of the duodenal mucosa of chickens infected with <i>Eimeria acervulina</i>	229
CONNAN, R. M. Inhibited development in <i>Haemonchus contortus</i>	239
KUSEL, J. R., MACKENZIE, P. E. and McLAREN, D. J. The release of membrane antigens into culture by adult <i>Schistosoma mansoni</i>	247
KUSEL, J. R. and MACKENZIE, PAMELA E. The measurement of the relative turnover rates of proteins of the surface membranes and other fractions of <i>Schistosoma mansoni</i> in culture	261
LOVE, R. J., OGILVIE, BRIDGET M. and McLAREN, DIANE J. <i>Nippostrongylus brasiliensis</i> : further properties of antibody-damaged worms and induction of comparable damage by maintaining worms <i>in vitro</i>	275
WALLER, P. J. and THOMAS, R. J. Field studies on inhibition of <i>Haemonchus contortus</i> in sheep	285
OWEN, DAWN. <i>Eimeria falciformis</i> (Eimer, 1870) in specific pathogen free and gnotobiotic mice	293
DI CONZA, JOSEPH J. and BASCH, PAUL F. Histochemical demonstration of acetylcholine esterase in sporocysts of <i>Schistosoma mansoni</i> (Trematoda)	305
CROSS, G. A. M., KLEIN, R. A. and LINSTEAD, D. J. Utilization of amino acids by <i>Trypanosoma brucei</i> in culture: L-threonine as a precursor for acetate	311
EVELAND, L. K. and MORSE, S. I. <i>Schistosoma mansoni</i> : <i>in vitro</i> conversion of cercariae to schistosomula	327
SMALLEY, M. E. The nature of age immunity to <i>Plasmodium berghei</i> in the rat	337
JENKINS, D. CONWIL. The influence of <i>Nematospiroides dubius</i> on subsequent <i>Nippostrongylus brasiliensis</i> infections in mice	349
Proceedings of the British Society for Parasitology, 14-18 April 1975	i

© Cambridge University Press 1975

Bentley House, 200 Euston Road, London NW1 2DB  
32 East 57th Street, New York, N.Y. 10022

Printed in Great Britain at the University Printing House, Cambridge