

1971

Vol. XLV, Part 4

JOURNAL
OF
HELMINTHOLOGY

(Founded by R. T. LEIPER)

Edited by

J. J. C. BUCKLEY, D.Sc.

Professor Emeritus of Helminthology in the University of London



London School of Hygiene
and
Tropical Medicine
Keppel Street
London
W.C.1

HELMINTHOLOGICAL ABSTRACTS

Is prepared by the staff of the Commonwealth Bureau of Helminthology, St. Albans, Herts, England, with the co-operation of helminthologists throughout the world.

It is a quarterly review of world literature on helminths and their vectors especially in relation to veterinary, medical, agricultural, biological and fisheries science and as such provides the best literature coverage for both animal parasitologists and plant nematologists.

ORDER FROM COMMONWEALTH AGRICULTURAL
BUREAUX, CENTRAL SALES BRANCH, FARNHAM
ROYAL, BUCKS, ENGLAND

JOURNAL OF HELMINTHOLOGY

(Founded by R. T. LEIPER)

Vol. XLV, 1971

Edited by

J. J. C. BUCKLEY, D.Sc.

Professor Emeritus of Helminthology in the University of London



**London School of Hygiene
and
Tropical Medicine
Keppel Street
London
W.C.1**

CONTENTS OF VOL. XLV

Vol. XLV, Part I

1. ROSS, J. G., MCCRACKEN, J. and PURCELL, D. A. The Ultra-structural Changes in the Abomasal Mucosa of Calves Experimentally Infected with *Trichostrongylus axei* 1—9
2. ROSS, J. G. and MCCRACKEN, J. Ultra-structural Changes in the Abomasal Mucosa of Lambs Experimentally Infected with *Trichostrongylus axei* 11—14
3. BAUGH, S. C. On the Relationships between *Austrobilharzia variglandis* (Miller & Northup, 1926) Penner, 1953, *A. terrigalensis* Johnston, 1917 and *Cercaria variglandis* Miller & Northup, 1926 ... 15—21
4. LAURENCE, B. R. and SIMPSON, M. G. The Microfilaria of *Brugia* : A First Stage Nematode Larva 23—40
5. FISCHTHAL, J. H. and WILLIAMS, M. O. Some Digenetic Trematodes of Marine Fishes from Sierra Leone 41—50
6. DAVEY, J. T. A Revision of the Genus *Anisakis* Dujardin, 1845 (Nematoda : Ascaridata) ... 51—72
7. HAFEEZULLAH, M. On Some New and Known Digenetic Trematodes from Marine Fishes of India 73—88
8. TAYLOR, M. G. Further Observations on the Sexual Maturation of Female Schistosomes in Single-Sex Infections 89—92

	PAGES
OW-YANG, C. K. Studies on the Nematode Parasites of Malaysian Rodents. I. The Rhabdiasidea, Trichuridea and Oxyuridea.	93—109
FADL, A. M. The Susceptibility of London-hooded and Wistar rats to Experimental Infection with <i>Schistosoma mansoni</i>	111—110
FADL, A. M. The influence of Dietary Protein Level upon the Response of Mice Infected with <i>Schistosoma mansoni</i> to Treatment with Niridazole (Ambilhar).	117—122
SEN, KRISHNA and ANANTARMAN, M. Some Observations on the Development of <i>Spirocerca lupi</i> in its Intermediate and Definitive Hosts. ...	123—131
TOD, M. E., JACOBS, D. E. and DUNN, A. M. Mechanisms for the Dispersal of Parasitic Nematode Larvae. I. Psychodid flies as transport hosts	133—137
JACOBS, D. E., DUNN, A. M. and WALKER, J. Mechanisms for the Dispersal of Parasitic Nematode Larvae. 2. Rats as potential paratenic hosts for <i>Oesophagostomum</i> (Strongyloidea)	139—144
ROBSON, E. M. and WILLIAMS, I. C. Relationships of Some Species of Digenea with the Marine Prosobranch <i>Littorina littorea</i> (L.) II. The Effect of Larval Digenea on the Reproductive Biology of <i>L. littorea</i>	145—159
WERTHEIM, G. and NEVO, E. Helminths of Birds and Mammals from Israel : III. Helminths from Chromosomal Forms of the Mole-Rat, <i>Spalax ehrenbergi</i>	161—169
WOLFE, M. S., ASLAMKHAN, M., SHARIF, M. and PERVEZ, E. <i>Acanthocheilonema dracunculoides</i> (Cobbold, 1870) in Dogs in Lahore, West Pakistan.	171—176

	PAGES
10. CONNAN, R. M. The Effect of the Plane of Nutrition on Parasitism by <i>Ostertagia</i> spp. in the Lactating Ewe.	177—187
11. STURROCK, R. F. and WEBBE, G. The Application of Catalytic Models to Schistosomiasis in Snails ...	189—200
12. STURROCK, R. F. and STURROCK, B. M. Shell Abnormalities in <i>Biomphalaria glabrata</i> Infected with <i>Schistosoma mansoni</i> and their Significance in Field Transmission Studies	201—210
13. WILSON, E. M. The Changes in Cyst Form during the Development of the Cyst of <i>Heterodera rostochiensis</i> and <i>H. schachtii</i>	211—222
14. TAYLOR, M. G., DENHAM, D. A. and NELSON, G. S. Observations on the Resistance to Schistosome Infection of Neonatal Mice born to Immune Mothers with a Demonstration of Increased Resistance in Lactating Mice	223—228
15. KINOTI, G. K., The Attachment and Penetration Apparatus of the Miracidium of <i>Schistosoma</i> ...	229—235
16. KINOTI, G. K., BIRD, R. G. and BARKER, M. Electron Microscope and Histochemical Observations on the Daughter Sporocyst of <i>Schistosoma mattheei</i> and <i>Schistosoma bovis</i>	237—244
17. EICHLER, D. A. and NELSON, G. S. Studies on <i>Onchocerca gutturosa</i> (Neumann, 1910) and its Development in <i>Simulium ornatum</i> (Meigen, 1818). I. Observations on <i>O. gutturosa</i> in cattle in South-East England	245—258
18. EICHLER, D. A. Studies on <i>Onchocerca gutturosa</i> (Neumann, 1910) and its Development in <i>Simulium ornatum</i> (Meigen, 1818). II. Behaviour of <i>S. ornatum</i> in relation to the transmission of <i>O. gutturosa</i>	259—270
19. WEBBE, G. and JAMES, C. A Comparison of Two Geographical Strains of <i>Schistosoma haematobium</i>	271—284
20. MULLER, R. Studies on <i>Dracunculus medinensis</i> (Linnaeus) II. Effect of Acidity on the Infective Larva	285—288

Vol. XLV, Part 4

	PAGES
1. FARLEY, J. A Review of the Family Schistosomatidae: excluding the Genus <i>Schistosoma</i> from Mammals	289—320
2. PANDEY, K. C. On a Rare Cercaria, <i>Cercaria soparkari</i> n.sp., (Transversotrematidae) from Lucknow, India	321—326
3. WEBBE, G. The Significance of Infra-specific Variations of Hosts and Parasites in the Epidemiology of Helminths of Medical Importance	327—335
4. FISCHTHAL, J. H. and THOMAS, J. D. Two Dicrocoeliid Trematodes from Ghana: <i>Concinnum ghanensis</i> n.sp. and <i>Dicrocoelium hospes</i> Looss, 1907	337—340
5. GOLDSMID, J. M. Studies on the Life Cycle and Biology of <i>Ternidens deminutus</i> (Railliet & Henry, 1905), (Nematoda: Strongylidae)	341—352
6. SINGH, SUNITA D. Studies on the Morphology and Systematics of Plant and Soil Nematodes mainly from Andhra Pradesh. I. Tylenchoidea	353—369
7. KHALIL, L. F. <i>Ichthybothrium ichthybori</i> gen. et sp.nov. (Cestoda: Pseudophyllidea) from the African Freshwater Fish <i>Ichthyborus besse</i> (Joannis, 1835)	371—379
8. ROBSON, E. M. and WILLIAMS, I. C. Relationships of Some Soecies of Digenea with the Marine Prosobranch <i>Littorina littorea</i> (L.) III. The Effect of Larval Digenea on the Glycogen content of the Digestive Gland and Foot of <i>L. littorea</i>	381—401
9. WEBBE, G. and JAMES, C. Infra-specific Variations of <i>Schistosoma haematobium</i>	403—413
10. PONNUDURAI, T., DENHAM, D. A. and NELSON, G. S. The Use of a Membrane Feeding Technique for Infecting Mosquitoes with Filarial Worms Transported between Laboratories	415—418