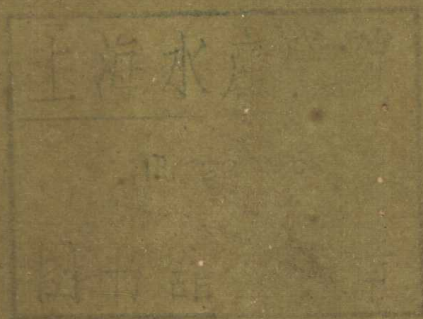




THE ZOOLOGY OF TAPEWORMS

by

Robert A. Wardle and James Archie McLeod



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UNIVERSITY OF MANITOBA, WINNIPEG, CANADA

"Such as for their belly's sake
Creep and intrude and climb into the fold."

JOHN MILTON

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Preface

This book describes the tapeworms of the world. It attempts to summarize what is known about their classification, structure, life histories, and ways of life. It discusses the probable origin of tapeworms from free-living worms and the lines along which they may have diverged from one another. It provides descriptions of and identification keys for all the known families and genera of tapeworms and the majority of the known species.

The names of the men and women whose labors indirectly made this summary possible are listed at the end of the book. Among the many who have helped directly by sending copies of published articles, unpublished manuscripts, original drawings, photographs, tapeworm specimens, and advice on doubtful points, our particular thanks are due to the late Theodor Pintner in Vienna; J. D. Smyth, Thomas Southwell, and W. N. F. Woodland in Britain; T. W. M. Cameron, W. A. Clemens, R. E. Foerster, A. G. Huntsman, R. B. Miller, and D. S. Rawson in Canada; Robert Ph. Dollfus, J. Guilhon, Jules Guiart, and M. G. Lemaire in France; Hans Vogel in Germany; Satyu Yamaguti in Japan; L. W. Wisniewski in pre-1939 Poland; G. K. Petrushevsky and Viktor Tarassow in Russia; Jean G. Baer and Hans A. Kreis in Switzerland; Ralph V. Bangham, Asa C. Chandler, W. N. Cort, Hiram E. Essex, Ernest Carroll Faust, the late John E. Guberlet, R. Chester Hughes, George William Hunter III, George La Rue, Thomas Magath, Harold W. Manter, Justus F. Mueller, William A. Riley, Robert Rausch, Victor B. Scheffer, Horace W. Stunkard, H. V. Van Cleave, Carl E. Venard, Teunis Vergeer, and the late Henry Baldwin Ward in the United States of America.

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Last, but by no means least, must be mentioned the editorial staff of the University of Minnesota Press whose patience and skill produced order out of the chaos of a crude manuscript.

Robert Arnold Wardle
James Archie McLeod

Winnipeg, 1951

Contents

PART I

Chapter I. GENERAL FEATURES	3
Chapter II. LIFE CYCLE	45
Chapter III. BIOLOGY	92
Chapter IV. ORIGIN AND EVOLUTION	142
Chapter V. HISTORY AND CLASSIFICATION	155

PART II

Tapeworm Classification Used in This Book	173
Order PROTEOCEPHALA	175
Family Proteocephalidae	187
Order TETRAPHYLLIDEA	227
Family Phyllobothriidae	232
Family Onchobothriidae	254
Order DISCULICEPITIDEA	270
Family Disculicepitidae	272
Order LECANICEPHALA	273
Family Lecanicephalidae	275
Family Cephalobothriidae	276
Order TRYPANORHYNCHA	286
Family Tentaculariidae	299

Family Hepatoxylidae	301
Family Sphyricephalidae	303
Family Dasyrhynchidae	305
Family Lacistorhynchidae	308
Family Gymnorhynchidae	311
Family Pterobothriidae	312
Family Eutetrarhynchidae	315
Family Gilquiniidae	316
Family Otobothriidae	317
Order CYCLOPHYLLIDEA	321
Family Mesocetoididae	325
Family Tetrabothriidae	333
Family Nematotaeniidae	343
Family Anoplocephalidae	347
Family Catenotaeniidae	381
Family Taeniidae	388
Family Davaineidae	428
Family Biuterinidae	446
Family Hymenolepididae	449
Family Dilepididae	475
Family Acoleidae	521
Family Amabiliidae	523
Family Dioicocestidae	526
Family Diploposthidae	528

CONTENTS

xi

Order APORIDEA	534
Family Nematoparataeniidae	534
Order NIPPOTAENIIDEA	538
Family Nippotaeniidae	538
Order CARYOPHYLLIDEA	540
Family Wenyonidae	541
Family Caryophyllaeidae	541
Family Lytocestidae	548
Family Capingentidae	550
Order SPATHEBOTHRIDEA	552
Family Spathebothriidae	552
Family Cyathocephalidae	554
Family Diplocotylidae	555
Order PSEUDOPHYLLIDEA	559
Family Haplobothriidae	567
Family Dibothriocephalidae	572
Family Ptychobothriidae	618
Family Bothriocephalidae	623
Family Echinophallidae	634
Family Triaenophoridae	636
Family Amphicotylidae	641
Orders AMPHILINIDEA, GYROCOTYLIDEA, BIPOROPHYLLIDEA	653
Order Amphilinidea	653

Family Amphilinidae	656
Order Gyrocotylidea	658
Family Gyrocotylidae	658
Order Biporophyllidea	664
Family Biporophyllaeidae	664
References	669
Index	775

ILLUSTRATIONS

1. Holdfast of <i>Cysticercus fasciolaris</i>	5
2. Sucker of <i>Choanotaenia iola</i>	7
3. Skin of <i>Ligula</i>	14
4. Skin of <i>Archigetes</i>	18
5. Holdfast of <i>Ophiotaenia filaroides</i>	21
6. Expanded holdfast of <i>Anthobothrium auriculatum</i>	21
7. Longitudinal muscle fibers of <i>Avitellina centripunctata</i>	21
8. Holdfast of <i>Grillotia erinaceus</i>	21
9. Cross section of <i>Grillotia erinaceus</i> through neck	21
10. Skin and underlying tissues of <i>Grillotia erinaceus</i>	21
11. Expanded holdfast of <i>Anthobothrium auriculatum</i>	25
12. Holdfast of <i>Proteocephalus torulosus</i>	25
13. Flame cell of <i>Avitellina centripunctata</i>	25
14. Holdfast of <i>Avitellina centripunctata</i> left half of osmoregulatory system	25
15. Lateral osmoregulatory canals in plerocercoid of <i>Proteocephalus torulosus</i>	27
16. Osmoregulatory canals in holdfast of <i>Calliobothrium coronatum</i>	27
17. Holdfast of <i>Grillotia erinaceus</i> showing nervous system	29
18. Neurochords from <i>Pterobothrium microcephala</i>	30
19. <i>Triaenophorus</i> , sectional views of proglottis	33
20. <i>Ophiotaenia filaroides</i> , male genitalia	34

CONTENTS

xiii

21. Genital atrium of <i>Anthocephalus elongatus</i>	34
22. Cirrus apparatus of <i>Dibothriocephalus latus</i>	34
23. Cirrus pouch and vaginal end section of <i>Raillietina echino-</i> <i>bothrida</i>	34
24. Cirrus apparatus of <i>Caryophyllaeus laticeps</i>	35
25. Female reproductive ducts of <i>Proteocephalus parallacticus</i>	37
26. Genitalia of <i>Triaenophorus stizostedionis</i>	37
27. Female genital ducts of <i>Dibothriocephalus latus</i>	37
28. Female genital ducts of <i>Dibothriocephalus latus</i>	37
29. Stages in development of uterus of <i>Dibothriocephalus latus</i> ...	41
30. Development of egg of <i>Hydatigera taeniaeformis</i>	49
31. Embryo of <i>Hydatigera taeniaeformis</i>	50
32. Early development of <i>Dibothriocephalus latus</i>	52
33. Embryonated egg and coracidium of <i>Spirometra erinacei</i>	53
34. Oncosphere of <i>Dibothriocephalus latus</i>	55
35. Proceroid of <i>Dibothriocephalus latus</i>	60
36. Early development of <i>Ophiotaenia perspicus</i>	62
37. Plerocercoid larval forms	67
38. Plerocercoids of <i>Nybelinia</i> sp.	69
39. <i>Sparganum proliferum</i>	71
40. <i>Urocystidium gemmiparum</i>	71
41. <i>Ilisha parthenogenetica</i>	71
42. Tetraphyllidean plerocercoids	72
43. Early developmental stages of anoplocephaline tapeworms	74
44. Life cycle of <i>Dipylidium daninum</i>	76
45. Cysticercoids of <i>Choanotaenia infundibulum</i>	80
46. <i>Catenotaenia pusilla</i> , egg development	81
47. <i>Catenotaenia pusilla</i> , larval stages in <i>Glyciphagus</i>	82
48. <i>Catenotaenia pusilla</i> , young worms	83
49. Types of bladder worms	84
50. Development of a cysticercus	86
51. Apparatus for viewing tapeworms in vitro	95
52. Tissues of a ligulid plerocercoid before and after cultivation in Locke's solution	97

53. Appearance of <i>Nybelinia</i> plerocercoids in different media	112
54. Rate of movement of larval <i>Nybelinia</i> in favorable media	113
55. Respiratory responses of <i>Moniezia expansa</i> to pH values of medium	116
56. Rate of growth of <i>Dibothriocephalus latus</i>	120
57. Ascites in fingerling Salmonoid infested with intrahepatic dibothriocephalid larvae	128
58. Phylogeny of tapeworms	148
59. <i>Ophiotaenia filaroides</i>	181
60. <i>Proteocephalus torulosus</i>	181
61. Types of genitalium arrangement among Proteocephala	183
62. Arrangement of genitalia among subfamilies of Proteocephalidae	185
63. <i>Marsypocephalus</i> , pattern of genitalia	190
64. <i>Marsypocephalus tanganyikae</i> , holdfast	190
65. <i>Peltidocotyle rugosa</i> , holdfast and genitalia	190
66. <i>Peltidocotyle rugosa</i> , holdfast	190
67. <i>Rudolphiella</i> , genitalia	190
68. <i>Amphilaphorchis</i> , holdfast and mature proglottis	190
69. <i>Ephedrocephalus</i>	190
70. Species of <i>Monticellia</i>	191
71. <i>Endorchis</i>	194
72. <i>Zygobothrium</i> , genitalia	194
73. <i>Amphoteromorphus</i>	194
74. <i>Amphoteromorphus</i>	194
75. <i>Nomimoscolex</i>	195
76. <i>Corallobothrium</i> larva	196
77. <i>Corallobothrium fimbriatum</i> and <i>C. giganteum</i>	197
78. <i>Lintoniella adhaerens</i>	197
79. Holdfast differences within <i>Proteocephalus</i>	199
80. Internal diagnostic differences within <i>Proteocephalus</i>	199
81. <i>Proteocephalus pearsei</i>	199
82. <i>Proteocephalus parallacticus</i>	200
83. <i>Proteocephalus arcticus</i>	200

CONTENTS

xv

84. <i>Proteocephalus ptychocheilus</i>	200
85. <i>Proteocephalus laruei</i>	200
86. <i>Proteocephalus stizostethi</i>	201
87. <i>Proteocephalus wickliffi</i>	201
88. <i>Proteocephalus osculatus</i>	204
89. <i>Megathylacus jandia</i>	209
90. <i>Gangesia parasiluri</i>	209
91. <i>Acanthotaenia sandgroundi</i>	209
92. <i>Acanthotaenia shipleyi</i>	209
93. <i>Silurotaenia siluri</i>	211
94. <i>Electrotaenia malopteruri</i>	211
95. <i>Ophiotaenia alternans</i>	214
96. <i>Ophiotaenia saphena</i>	214
97. <i>Ophiotaenia olor</i>	220
98. <i>Ophiotaenia magna</i>	220
99. Comparison of normal proteocephalid and solenotaeniid gravid uteri	222
100. <i>Crepidobothrium gerrardii minus</i>	225
101. <i>Sciadocephalus megalodiscus</i>	225
102. <i>Manasia bracademoca</i>	225
103. <i>Phyllobothrium marginatum</i>	230
104. Distinctions between Trypanorhyncha, Tetraphyllidea, and Pro- teocephala tapeworms	230
105. <i>Scolex pleuronectis</i>	230
106. <i>Scyphophyllidium giganteum</i>	235
107. <i>Pithophorus tetraglobus</i>	235
108. <i>Myzophyllobothrium rubrum</i>	235
109. <i>Pelichnibothrium speciosum</i>	237
110. <i>Echeneibothrium myzorhynchum</i>	239
111. <i>Echeneibothrium tobije</i>	239
112. <i>Carpobothrium chiloscylidium</i>	239
113. <i>Anthobothrium cornucopia</i>	239
114. <i>Dinobothrium planum</i>	245
115. <i>Dinobothrium septaria</i>	245

116. <i>Phyllobothrium lactuca</i> , holdfast	247
117. <i>Phyllobothrium magnum</i>	250
118. <i>Phyllobothrium radioductum</i>	250
119. <i>Phyllobothrium plerocercoid</i> (<i>P. tumidulum</i> ?)	250
120. <i>Orygmatobothrium plicatum</i>	254
121. <i>Pedibothrium brevispine</i>	256
122. <i>Uncibilocularis trygonis</i>	256
123. <i>Uncibilocularis mandleyi</i>	256
124. <i>Thysanocephalum thysanocephalum</i>	256
125. <i>Spiniloculus mavenis</i>	256
126. <i>Yorkeria parva</i>	259
127. <i>Calliobothrium verticillatum</i>	259
128. <i>Onchobothrium</i>	259
129. <i>Acanthobothrium coronatum</i>	259
130. <i>Platybothrium hypoprioni</i>	265
131. <i>Balanobothrium</i>	266
132. <i>Cylindrophorus lasium</i>	266
133. <i>Tetracampos ciliotheca</i>	266
134. <i>Ceratobothrium xanthocephalum</i>	266
135. <i>Disculiceps</i>	271
136. <i>Lecanicephalum peltatum</i>	271
137. <i>Tetragonocephalum</i>	271
138. <i>Parataenia medusiae</i>	276
139. <i>Cephalobothrium aetiobatidis</i>	277
140. <i>Hexacanalıs abruptus</i>	278
141. <i>Tylocephalum dierama</i>	279
142. <i>Tylocephalum dierama</i>	280
143. <i>Polypocephalus radiatus</i>	280
144. <i>Adelobothrium aetiobatidis</i>	281
145. <i>Anthemobothrium pulchrum</i>	281
146. <i>Staurobothrium aetiobatidis</i>	281
147. <i>Diplobothrium simile</i>	283
148. Diplobothriid plerocercoids	283

CONTENTS

xvii

149. <i>Eniochobothrium gracile</i>	283
150. <i>Phanobothrium monticellii</i>	283
151. <i>Discobothrium japonicum</i>	283
152. <i>Prosobothrium armigerum</i>	285
153. <i>Prosobothrium japonicum</i>	285
154. <i>Echinobothrium typus</i>	285
155. <i>Pillersium owenium</i>	285
156. <i>Diagonobothrium asymmetrum</i>	285
157. " <i>Anthocephalus elongatus</i> "	287
158. Internal features of trypanorhynchan and tetraphyllidean tape- worms	294
159. Tetraphyllidean and trypanorhynchan larval forms	296
160. Trypanorhynchan larval types	297
161. <i>Tentacularia coryphaenae</i>	300
162. <i>Nybelinia lingualis</i> , hooks	300
163. <i>Nybelinia pintneri</i> , holdfast	300
164. <i>Hepatoxylon trichiuri</i> , postlarva	300
165. <i>Sphyriocephalus tergestinus</i>	304
166. <i>Dasyrhynchus talismani</i>	304
167. <i>Floriceps saccatus</i>	304
168. <i>Callitetrarhynchus gracilis</i>	307
169. <i>Lacistorhynchus tenuis</i>	307
170. <i>Grillotia erinaceus</i>	307
171. <i>Grillotia</i> species	307
172. <i>Gymnorhynchus gigas</i>	313
173. <i>Pterobothrium plerocercus</i>	313
174. <i>Eutetrarhynchus lineatus</i> , holdfast	313
175. <i>Eutetrarhynchus ruficollis</i> , armature	313
176. <i>Gilquinia squali</i>	313
177. <i>Otobothrium</i> , holdfasts	319
178. <i>Diplootobothrium springeri</i>	319
179. <i>Poecilancistrum caryophyllum</i> , holdfast and retractile organ ..	319
180. <i>Mesocestoides lineatus</i> f. <i>lineata</i>	326

181. Tetrabothriid genera, holdfasts	336
182. <i>Baerietta baeri</i>	345
183. <i>Nematotaenia dispar</i>	345
184. <i>Cylindrotaenia americana</i>	345
185. <i>Distoichometra bufonis</i>	345
186. <i>Cylindrotaenia quadrijugosa</i>	345
187. <i>Aporina delafondi</i>	349
188. <i>Stilesia hepatica</i>	349
189. <i>Andrya primordialis</i>	356
190. <i>Monoecocestus americanus</i>	356
191. <i>Diandrya composita</i>	356
192. <i>Moniezia expansa</i>	356
193. <i>Anoplocephala perfoliata</i>	356
194. <i>Moniezia monardi</i>	356
195. <i>Anoplocephala spatula</i>	356
196. <i>Paranoplocephala mamillana</i>	356
197. <i>Bertiella studeri</i>	363
198. <i>Bertiella fallax</i>	363
199. <i>Paronia pycnonoti</i>	363
200. <i>Cittotaenia pectinata americana</i>	363
201. <i>Oochoristica osheroffi</i>	370
202. <i>Oochoristica taborensis</i>	370
203. <i>Oochoristica bivitellolobata</i>	370
204. <i>Oochoristica gracewileyae</i>	370
205. <i>Oochoristica parvovaria</i>	371
206. <i>Oochoristica whitentoni</i>	371
207. <i>Oochoristica oklahomensis</i>	373
208. <i>Oochoristica procyonis</i>	373
209. <i>Catenotaenia pusilla</i>	385
210. <i>Catenotaenia linsdalei</i>	387
211. <i>Echinococcus oligarthrus</i>	392
212. <i>Echinococcid hooks</i>	392
213. <i>Echinococcus granulosus</i>	393

CONTENTS

xix

214. <i>Echinococcus lycaontis</i>	393
215. <i>Echinococcus granulosus</i>	394
216. Hydatid cyst	394
217. <i>Fossor angertrudae</i>	400
218. <i>Paracladotaenia acciptris</i>	402
219. <i>Taeniarhynchus saginatus</i>	404
220. <i>Taeniarhynchus saginatus</i>	404
221. <i>Dasyurotaenia robusta</i>	405
222. <i>Cladotaenia foxi</i>	407
223. <i>Hydatigera taeniaeformis</i>	409
224. <i>Hydatigera taeniaeformis</i> , hooks	409
225. <i>Hydatigera balaniceps</i>	409
226. <i>Hydatigera lyncis</i>	409
227. <i>Hydatigera laticollis</i>	409
228. <i>Multiceps packi</i>	415
229. <i>Multiceps twitchelli</i>	415
230. Hooks of <i>Multiceps macracantha</i>	415
231. Hooks of <i>Multiceps otomys</i>	415
232. Hooks of <i>Multiceps glomeratus</i>	415
233. Typical taeniid hooks	417
234. Typical taeniid gravid segments	418
235. <i>Taenia pisiformis</i>	420
236. <i>Taenia hydatigena</i> , gravid segment	420
237. <i>Taenia hydatigena</i> , mature segment	420
238. <i>Taenia solium</i> , gravid segment	420
239. <i>Taenia rileyi</i> , gravid and mature segments	420
240. <i>Raillietina echinobothrida</i>	429
241. <i>Raillietina cesticillus</i> , oncosphere	432
242. <i>Raillietina cesticillus</i> , cysticercoids	432
243. <i>Ophryocotyle proteus</i>	434
244. <i>Cotugnia polytelidis</i>	434
245. <i>Cotugnia taiwanensis</i>	434
246. <i>Davainea proglottina</i> , mature segment	434

247. <i>Davainea proglottina</i> , entire worm	434
248. <i>Raillietina</i> (<i>Paroniella</i>) <i>centuri</i>	438
249. <i>Raillietina</i> (<i>Raillietina</i>) <i>bakeri</i>	438
250. <i>Raillietina</i> (<i>Skrjabinia</i>) <i>cesticillus</i>	440
251. <i>Raillietina</i> (<i>Fuhrmannetta</i>) <i>leoni</i> , mature segments	440
252. <i>Raillietina equatoriensis</i> , mature segments	440
253. <i>Houttuynia torquata</i>	443
254. <i>Houttuynia struthionis</i>	443
255. <i>Idiogenes buteonis</i>	445
256. <i>Chapmania tapika</i>	445
257. <i>Schistometra conoideis</i>	445
258. <i>Sphyrnchotaenia uncinata</i>	445
259. <i>Neyraia intricata</i>	447
260. <i>Deltokeras multilobatus</i>	447
261. <i>Cyclorchida omalancristrota</i>	447
262. Phylogenetic relationships between <i>Wardium</i> , <i>Hymenolepis</i> , and <i>Weinlandia</i>	451
263. Arrangement of testes in various hymenolepidids	452
264. Typical hymenolepidid hook	453
265. <i>Hymenolepis filumferens</i>	459
266. <i>Hymenolepis nana</i> , eggs	462
267. <i>Hymenolepis nana</i> var. <i>fraterna</i> , cysticercoid-host relationships	462
268. <i>Hymenolepis nana</i> var. <i>fraterna</i> , holdfasts of young individuals	462
269. <i>Oligorchis longivaginosus</i>	464
270. <i>Hymenolepis mastigopraedita</i>	464
271. <i>Hymenolepis stollis</i>	464
272. <i>Hymenolepis dafilae</i>	464
273. <i>Diorchis nyrocae</i>	464
274. <i>Hymenolepis citelli</i>	464
275. Life cycle of <i>Hymenolepis cantaniana</i>	468
276. <i>Diorchis</i> spp., hooks	470
277. <i>Fimbriaria fasciolaris</i> , holdfast and pseudo-holdfast	473
278. <i>Fimbriaroides intermedia</i>	473
279. <i>Fimbriariella falciformes</i>	473
280. <i>Fimbriaroides</i> species	473

CONTENTS

xxi

281. <i>Cotylorhipis furnarii</i>	480
282. <i>Echinorhynchotaenia tritesticulata</i>	480
283. <i>Pentorchis arkteios</i>	480
284. <i>Angularella beema</i>	480
285. <i>Unciunia trichocirrosa</i>	480
286. <i>Amoebotaenia setosa</i>	480
287. <i>Amoebotaenia sphenoides</i>	480
288. <i>Valipora mutabilis</i>	483
289. <i>Valipora parvispine</i>	483
290. <i>Trichocephaloidis megalcephala</i>	483
291. <i>Lateriporus biuterinus</i>	483
292. <i>Laterorchites bilateralis</i>	483
293. <i>Paricterotaenia cirrospinosa</i>	483
294. <i>Liga brasiliensis</i>	486
295. <i>Dilepis undula</i>	486
296. <i>Paradilepis brevis</i>	486
297. <i>Dendrouterina nycticoracis</i>	490
298. <i>Gryporhynchus tetrorchis</i>	490
299. <i>Anomotaenia nycticoracis</i>	493
300. <i>Similuncinus totani-ochropodos</i>	493
301. <i>Choanotaenia iolae</i>	493
302. <i>Dipylidium caninum</i>	506
303. <i>Diplopylidium nolleri</i>	506
304. <i>Joyeuxiella pasqualei</i>	512
305. <i>Joyeuxiella echinorhynchoides</i>	512
306. <i>Joyeuxiella</i> sp. of Kofend	512
307. <i>Southwellia ransomi</i>	513
308. <i>Malika pittae</i>	513
309. <i>Anonchotaenia globata</i>	515
310. <i>Anonchotaenia globata</i> , nematodiform embryos	515
311. <i>Metroliasthes lucida</i>	515
312. <i>Metroliasthes lucida</i> , life cycle stages	518
313. <i>Octopetalum longicirrosus</i>	519
314. <i>Rhabdometra similis</i>	519
315. <i>Paruterina angustata</i>	519

316. <i>Sphaeruterina punctata</i>	519
317. <i>Acoleus vaginatus</i>	523
318. <i>Amabilia lamelligera</i>	523
319. <i>Tatria duodecacantha</i>	523
320. <i>Dioicocestus</i> spp.	527
321. <i>Shipleya inermis</i>	527
322. <i>Gyrocoelia perversa</i>	527
323. <i>Diploposthe laevis</i>	529
324. <i>Diplophallus polymorphus</i>	529
325. <i>Jardugia paradoxa</i>	529
326. <i>Diplogynia americana</i>	529
327. <i>Progynotaenia evaginata</i>	531
328. <i>Proterogynotaenia rouxi</i>	531
329. <i>Protogynella blarinae</i>	531
330. <i>Leptotaenia ischnorhyncha</i>	531
331. <i>Nematoparataenia southwelli</i>	535
332. <i>Gastrotaenia cygni</i>	536
333'. <i>Nippotaenia chaenogobii</i>	536
334. <i>Wenyonia virilis</i>	542
335. <i>Archigetes cryptobothrius</i>	542
336. <i>Biacetabulum infrequens</i>	542
337. <i>Biacetabulum meridianum</i>	542
338. <i>Caryophyllaeides fennica</i>	542
339. <i>Hypocaryophyllaeus paratarius</i>	545
340. <i>Monobothrium wageneri</i>	545
341. <i>Caryophyllaeus laticeps</i>	546
342. <i>Caryophyllaeus laticeps</i>	546
343. <i>Glaridacris</i> spp.	547
344. <i>Lytocestus indicus</i>	547
345. <i>Balanotaenia bancrofti</i>	547
346. <i>Capingens singularis</i>	550
347. <i>Spartoides wardi</i>	550
348. <i>Pseudolytocestus differtus</i>	550
349. <i>Spathebothrium simplex</i>	553
350. <i>Cyathocephalus truncatus</i>	555