

- stages with *Toroplasma* (Manwell and Goldstein) 1938, 24 Suppl, 21
- , comparative morphology of sporozoites of human species (Boyd) 1935, 21, 255
- *inconstans*, bird malaria, periodicity in (Gingrich) 1929, 16, 98
- , invasion of young red blood cells by merozoites of (Hegner) 1938, 24 Suppl, 21
- *lophurae*, protective action of immune serum against, in chickens (Taliaferro and Taliaferro) 1939, 25 Suppl, 29
- *polare* in the vertebrate host (Maunwell) 1936, 22, 412
- *praecox* (*relictum*) 24-hour asexual cycle in new strain of (Wolffson) 1936, 22, 539
- *relictum*, in canary, immunity to superinfection with (Taliaferro and Taliaferro) 1927, 13, 217
- , Mexican strain, segmentation in internal organs in infections with (Hewitt) 1939, 25 Suppl, 16
- , periodicity and synchronicity of pigeon strain (Coatney) 1938, 24 Suppl, 18
- , strain from doves and pigeons (Coatney) 1937, 23, 556
- *rouxi*, effect of quinine and plasmodium on canary birds, infected with, with notes on action of these drugs on other avian malaras (Manwell) 1931, 18, 124
- *vivax*, controlled transmission by *Anopheles punctipennis* (St. John) 1927, 14, 132
- Platyhelminths* in aquatic insects and crustacea (Stafford) 1931, 18, 131
- Platyhelminths* in insects (Stafford) 1927, 14, 123
- Platygonosoma fastosum*, occurrence in cats in Porto Rico (Hoffman) 1932, 19, 91
- Podocoryle* (Allocreadinae), revision of (Park) 1937, 23, 405
- Poison, spider (Kelllogg) 1915, 1, 107
- Polycandy and polygamy in parasitic worms (McIntosh) 1933, 20, 141
- Polynastix bufonis* from salamander and frog (Tanabe) 1925, 12, 97
- Polystoma integerrimum nearticum* n. subsp. from *Hyla versicolor* (Paul) 1935, 21, 442
- Polystomes, North American (Paul) 1936, 22, 535
- Poroccephalus globicephalus* (Job and Cooper) 1917, 3, 138
- Porrococtum*, species from birds in China (Hsu) 1933, 19, 280
- Portraits
- Bishop, F. C. 1939, 25, 1
- Cobb, Nathan Augustus 1932, 19, 1
- Craig, Charles F. 1936, 22, 1
- Curtice, Cooper 1939, 25, 517
- Darling, Samuel Taylor 1926, 12, 117
- Füllborn, Friedrich 1934, 20, 203
- Hall, Maurice Crowther 1933, 19, 183
- Hegner, Robert 1937, 23, 1
- Jijma, Isao 1924, 10, 166
- Lakue, George R. 1938, 24, 1
- Ledy, Joseph 1923, 10, 1; 8
- Linton, Edwin 1939, 25, 451
- Nuttall, George H. F. 1938, 24, 181
- Odhner, Nils Johan Teodor 1929, 16, 93
- von Prowazek, Stanislaus 1915, 2, 51
- Ransom, Brayton Howard 1926, 13, 1
- Root, Francis Metcalf 1935, 21, 67
- Smith, Allen John 1927, 13, 1
- Smith, Theobald 1935, 21, 231; 237
- Sitjes, Charles Wardell 1933, 19, 257
- Taliaferro, William Hay 1934, 20, 149
- Tyzer, Ernest Edward 1935, 21, 1
- Ward, Henry Baldwin 1932, 19, 99
- Postharmostomum larnei*, trematode, rate of growth of (Miller) 1939, 25, 509
- Posthodiplostomum minimum*, trematode from herons, experimental studies on (Ferguson) 1938, 24 Suppl, 31
- Precocious* metacercarial development in superfamily Plagiorchioida (McMullen) 1938, 24, 273
- Prenatal* infection with dog hookworm (Foster) 1932, 19, 112; 1935, 21, 302
- infestation of *Belascaris* (Augsentine) 1927, 13, 256
- Profilicollis*, status of name (Van Cleave) 1937, 23, 563; 1939, 25, 129
- Prohomonistomum appendiculatum* in U. S. A. (Price) 1928, 15, 68
- Proleptis obtusis*, new features of nematode morphology in (Müller) 1925, 12, 84
- Prosthogonimiasis* (Macy) 1937, 23, 566
- Prosthogonimus macrorchis*, *Gomphus sticticus*, new intermediate host for (Macy) 1939, 25, 281

- , infectivity for common ring-necked pheasant (Cower) 1939, 25, 447
- Protocephalus ambloplitis*, bass tapeworm, further studies on (Hunter and Hunter) 1928, 15, 139
- , contributions to life history of (Hunter) 1927, 14, 127; 1928, 14, 229
- , pteroceroid larva in small-mouthed black bass (Hunter and Hummen) 1933, 20, 132
- Protocephalus pearsei*, a new intermediate host of (Bangham) 1927, 13, 223
- Protocalliphora azurea*, habits, life history, and structure of (Contant) 1915, 1, 135
- Protonematode*, characters of (Chitwood and Chitwood) 1933, 20, 130
- Protospiriva bounei*, new record of (Cram) 1927, 14, 54
- Protospiruriasis*, new nematode disease of captive monkeys (Foster and Johnson) 1938, 24 Suppl, 32
- Protostrongylus macrotis* from black-tailed deer, *Odocoileus columbianus* (Dikmans) 1932, 19, 89
- , lungworm: antelope, *Antilocapra americana*, as new host of (Dikmans) 1932, 19, 93
- Protozoa* and termites, relative weights of (Katzin and Kirby) 1939, 25, 444
- , changes in blood of kittens caused by infection with (Sanders) 1928, 14, 202
- , culture of, bacteria-free (Glaser) 1932, 19, 173
- , endophytic, with list of some Canadian host plants, and account of four apparently new forms (DuPorte) 1925, 11, 183
- from intestine of chimpanzees (Hegner) 1933, 20, 143
- other animals in ceca of parasite-free chicks (Hegner) 1935, 21, 59
- termites of genus *Amitermes* (Kirby) 1930, 17, 108
- , geometrical ratio of multiplication in increase of (Crawley) 1915, 1, 202
- , human intestinal, detection and incidence by sigmoidoscope (Andrews) 1927, 13, 221
- in American Indian children in U. S. A. (Owen et al) 1932, 19, 178
- domestic swine, incidence of (Allicata) 1932, 18, 310
- , intestinal, at autopsy (Kerby) 1935, 21, 449
- , community surveys for *Endamoeba histolytica*, etc. in Tennessee (McLeroy) 1930, 16, 146
- , comparative studies in different species of monkeys (Hegner) 1932, 19, 176
- , detection by cultivation (Becker) 1926, 12, 219
- , diagnosis of (Andrews) 1934, 20, 253
- , dihydranal (2-4 di-hydroxy-phenyl-n-heptane) in treatment of infections with (Ratcliffe) 1930, 17, 113
- , effect of diet on (Hegner) 1923, 9, 241
- , from Galapagos tortoises (Geiman and Wächterman) 1937, 23, 331
- , Panama monkeys (Hegner) 1935, 21, 60
- , in human autopsies (Frye and McLeroy) 1936, 22, 300
- , Tennessee, community surveys for (McLeroy) 1929, 16, 108
- , incidence in arthritic and non-arthritic patients (Kessel) 1931, 18, 122
- of Californian lizards (Wood) 1935, 21, 165
- , cockroach (Lucas) 1928, 14, 161
- , frog and toad tadpoles, effects of changes in diet on (Hegner) 1922, 9, 51
- , larvae of crane fly, *Tipula abdominalis* (Geiman) 1932, 19, 173
- , man in midwestern Canada (Miller) 1939, 25, 355
- , survey of flies, pigs, fowls, rats, and mice in rural community for (Frye and McLeroy) 1931, 18, 118
- , young pigs (Frye and McLeroy) 1933, 20, 133
- , survey among children and adults in Los Angeles (Kessel and Smith) 1937, 23, 555; 1938, 24, 433
- , transmission from other animals to parasite-free fowls (Hegner) 1928, 15, 138
- , method for preserving and shipping smears of (Chen) 1937, 23, 112
- of human mouth (Kofoid) 1928, 15, 140; 1929, 15, 151

- _____ insectivorous plants (Hegner) 1926, 12, 160
 _____ monkeys, intestinal (Kessel) 1927, 13, 283
 _____ parasitic in fresh-water fishes of New York (Kudo) 1921, 7, 166
 _____ that live in pitcher plants (Hegner) 1925, 12, 111
- Protozoal infections in routine practice** (Barker) _____ of man in Minnesota 1928, 15, 144
 _____ of man in Minnesota (Riley) 1928, 15, 144
- Protozoan cysts obtained from feces by zinc sulphate levitation, hematoxylin staining of** (Nickel) 1938, 24 Suppl. 8
 _____ fauna of large intestine of horse (Hasing) 1929, 16, 99
 _____, new bi-flagellated, of man (Wright and Lucke) 1920, 6, 140
 _____ parasites of Orthoptera, of Ohio (Seamans) 1933, 20, 125
 _____ survey of industrial school for boys and girls (Boeck) 1921, 7, 191
- Protozoological survey of college freshmen** (Wenrich et al) 1932, 19, 175; 1933, 20, 141
 _____ home for aged (Wenrich and Arnett) 1937, 23, 318
 _____, six-year, of food handlers (Wenrich and Arnett) 1938, 24 Suppl. 8
- Prothellus* and *Prothellina*, note on (Chittwood) 1933, 19, 253
- Prowazek, Professor von** (Michaelson) 1915, 2, 51
- Pseudomonas*, new species of (Steiner) 1932, 19, 90
- Pseudoparasitism** (Stiles) 1925, 12, 108
 _____ in man due to pulp cells of citrus fruit (Stiles) 1926, 12, 180
- Ptilostomum ondatrie*, life history and morphology of (Beaver) 1939, 25, 383
- Psorophora* (*Janthinosoma*) *horrida*, larva (Rozeboom) 1939, 25, 145
- Pygmaea*, rapid development of (Koot) 1935, 21, 59
- Psoroptic otiacariasis-*Psoroptes cuniculi***, (Honeij) 1915, 2, 98
- Publication**, Bulletin of International Health Board is not (Stiles) 1925, 12, 112
- Quinine**, effect on bird malaria (Manwell) 1929, 16, 101; 1930, 17, 110; 1931, 18, 124
- _____ upon reproduction of *Plasmodium cathemerium* (Boyd) 1933, 20, 139
- Radiation**, effects on development of *Trichinella spiralis*, with respect to its application to treatment of other parasitic diseases (Tyzzer and Honeij) 1916, 3, 43
- "Raigan"**, new anthelmintic for taeniasis (Hiyeda and Terada) 1939, 25, 183
- Railletina*, ants as intermediate hosts for two species of (Jones and Horsfall) 1935, 21, 442
- _____ *resistinus*, age resistance of chickens to (Ackert and Reid) 1937, 23, 558
- _____ effects on growing chickens (Ackert and Case) 1938, 24 Suppl. 14
 _____, new intermediate hosts of (Case and Ackert) 1938, 24 Suppl. 17
- _____ poultry cestode: ground beetle, *Catantus opacutus*, additional intermediate host for (Jones) 1930, 17, 57
 _____ susceptibility of chickens to reinfection with (Lutermoser) 1938, 24 Suppl. 14
- _____ (*Skrijabinia*) *caecitilus*: *Cratichneumon dubius*, intermediate host for (Jones) 1930, 16, 164
- _____ *Selenophorus pedicularius*, intermediate host for (Jones) 1930, 16, 158
 _____ from prairie chicken, variation in a new cestode of the genus (Leigh) 1939, 25 Suppl. 10
- Setragona* and *R. echinobothrida*, life history of (Horsfall) 1938, 24, 409
- Ransom, B. H.**, bibliography of (Horsfall) 1926, 13, 10
- _____ and Bureau of Animal Industry (Mohler) 1926, 13, 5
- _____ contributions to parasitology (Cort) 1926, 13, 1
- "Rat mite dermatitis"** and coincidental occurrence of *Liponyssus bacoti* and epidemic typhus fever in Texas (Shelmirer and Dove) 1930, 17, 115
- Rats**, normal and trichina infected, blood picture of (Beahm and Downs) 1939, 25, 405
 _____ trichinized, white, effect of irradiated ergosterol on (Wantland) 1936, 22, 537; 1938, 24, 167
- Rauwolfe**, effect on bird malaria (Manwell) 1933, 20, 125
- Refrigeration** requirements of pork for export to Netherlands (Ransom) 1924, 11, 94
- Re-infection** under "natural" conditions with nematode from gut of rabbit (Stoll) 1932, 19, 54
- Relationship** between infusoria of ruminant stomach and their host (Becker and Schultz) 1929, 16, 96
- Renette** cells, double, in many species of nemas (Cobb) 1930, 16, 169
 _____ of *Cephalobus* (Cobb) 1916, 2, 195
- Renierinae** and Telorchinae, relationship of (McMullen) 1935, 21, 217
 _____, experimental studies on (Walker) 1937, 23, 564
 _____, new trematodes of subfamily, and discussion of its systematics (Byrd and Denton) 1938, 24, 379
- Reproduction** in cestodes, methods of asexual and parthenogenetic (Southwell and Prashad) 1918, 4, 122
- Research Notes**, publication of 1934, 20, 201
- Resistance**, acquired, in rabbits by repeated infection with *Trichostrongylus colubratus* (Sarlles) 1932, 19, 61
 _____ and susceptibility in coecidal infections (Andrews) 1934, 20, 332
 _____ in mice to *Anchlostoma caninum* (Kerr) 1935, 21, 427
 _____ rats, relation of vitamin A to louse (Searis and Snyder) 1939, 25, 425
 _____, natural and artificial, in rat to infection with *Strongyloides ratti* (Sheldon) 1936, 22, 533
 _____ of cat to superimposed infection with ascariid, *Toxocara cati* (Sarlles and Stoll) 1935, 21, 277
 _____ chickens to parasitism, effect of helminthiasis on (Ackert and Jones) 1928, 15, 135
 _____ repeated bleeding upon (Ackert) 1926, 12, 163
 _____ herring gull to experimental infections of trematode, *Parorchis acanthus* (Cable) 1937, 23, 559
 _____ myxosporidian spores to conditions outside of host (Bond) 1938, 24, 470
 _____ rats and mice to infection with *Capillaria hepatica* (Lutermoser) 1937, 23, 559
- _____ terms to *Cryptocotyle lingua* (Witley) 1933, 20, 135
 _____ turkeys and chickens to *Ascaridia fucata* (Ackert and Eisenbrandt) 1935, 21, 200
 _____ to desiccation of intermediate host of *Schistosoma japonicum* (Cort) 1919, 6, 84
 _____ helminthic infections (Chandler) 1932, 18, 135
 _____ infestation with *T. spiralis* in hogs (Baehman and Rodriguez-Molina) 1932, 19, 159
 _____ parasitic infection, sexual difference in (Whitlock) 1937, 23, 426
 _____ parasitism affected by fat-soluble vitamin A (Ackert et al) 1927, 13, 219
 _____, chickens and Vitamin D (Ackert and Spindler) 1927, 14, 133
Retortomonas (*Embadomonas*), new variety from man (Hogue) 1932, 19, 161
 _____, four races of (Hogue) 1932, 19, 331
- REVIEWS**
- Acta Leidensia 1927, 13, 230; 1929, 16, 58; 1930, 17, 60
 Archives de Parasitologie 1916, 2, 148; 1918, 5, 92
 Archivos do Instituto Biologico de Deftesa Agricola e Animal 1929, 16, 58; 1932, 18, 314
 Archivos Internacionales de la Higiene (Cort) 1935, 21, 322
 Bach, F. W. Leitfaden zur Untersuchung auf die Parasitischen Protozoen des Menschlichen Darm-Kanals 1929, 16, 57
 Baronaki, E. Les Neoplasmes et leur Therapeutique Medicale 1927, 14, 73
 Baumgärtel, T. Grundriss der Theoretischen Bakteriologie 1924, 11, 56
 Baylis, H. A. A Manual of Helminthology 1929, 15, 296
 _____ and Daubney, R. A Synopsis of the Families and Genera of Nematoda 1926, 13, 154
 Becker, E. R. Coccidia and Coccidiosis of Domesticated, Game and Laboratory Animals and of Man (Ward) 1935, 21, 229
 _____ and Roundbush, R. L. Brief Directions in Histological Technique (Cort) 1935, 21, 457
 Bennett, H. J. The Life History of *Cotylophoron cotylophorum*, a Trematode of Ruminants (Cort) 1937, 23, 118

- Bezangon, F. and Philibert, A. Précis de Pathologie Médicale 1926, 13, 155
- Blacklock, D. B. and Southwell, T. A Guide to Human Parasitology 1932, 18, 313
- and — A Guide to Human Parasitology for Medical Practitioners (Andrews) 1933, 19, 236
- and — A Guide to Human Parasitology (3rd ed.) (Ferguson) 1939, 25, 515
- Borel, B. E. Les Moustiques de la Cochinchine et du Sud-Annam 1931, 17, 238
- Boyd, M. F. An Introduction to Malariology 1930, 17, 119
- Braun, M. Naturgeschichte der Tierischen Parasiten des Menschen (5th ed.) 1916, 2, 201
- Die Tierischen Parasiten des Menschen, I teil (6th ed.) 1925, 12, 57
- and Seifert, O. Die Tierischen Parasiten des Menschen, II teil 1920, 7, 103; 1926, 13, 155
- Brunnpt, E. Précis de Parasitologie 1923, 10, 56; 1928, 14, 277
- Burnett, S. H. The Clinical Pathology of the Blood of Domesticated Animals 1918, 4, 140
- Buxton, P. A. and Hopkins, G. H. E. Researches in Polynesia and Melanesia 1927, 14, 139; 1929, 15, 225
- Galkins, G. N. The Biology of the Protozoa 1927, 13, 287
- Gameron, T. W. M. The Internal Parasites of Domesticated Animals (Otto) 1935, 21, 229
- Carazzi, D. Parassitologia Animale 1924, 10, 219
- Castellani, A. and Chalmers, A. J. Manual of Tropical Medicine 1920, 7, 50
- Caulery, M. Le Parasitisme et la Symbose 1921, 8, 97
- Chandler, A. C. Animal Parasites and Human Disease 1922, 9, 106; 1926, 12, 223
- Hookworm Disease 1929, 16, 109
- Introduction to Human Parasitology 1930, 16, 257; 1936, 22, 304
- Chitwood, B. G. and Chitwood, M. B. An Introduction to Nematology, Section I, Part I (Hall) 1937, 23, 233
- and — An Introduction to Nematology, Section I, Part II (Grahan) 1939, 25, 513
- Clarke, J. J. Protists and Disease 1923, 9, 181
- Cort, W. W., Grant, J. B., Stoll, N. R. et al. Researches on Hookworm in China 1927, 13, 230
- Craig, C. F. The Parasitic Amoebae of Man 1915, 7, 156
- The Prophylaxis of Malaria with Special Reference to the Military Service 1915, 7, 156
- A Manual of the Parasitic Protozoa of Man 1926, 12, 222
- Amebiasis and Amebic Dysentery (Andrews) 1935, 21, 136
- and Faust, E. C. Clinical Parasitology (Magath) 1938, 24, 94
- Cuénod, A. and Natarf, R. Le Trachome 1930, 16, 258
- Dew, H. R. Hydatid Disease 1929, 16, 57
- Dible, J. H. Recent Advances in Bacteriology and the Study of the Intestions 1929, 15, 225
- Doane, R. W. Common Pests 1932, 18, 314
- Dobell, C. The Amoebae Living in Man 1920, 6, 202
- and O'Connor, F. W. The Intestinal Protozoa of Man 1922, 8, 150
- D'Oelsnitz, M. Diagnostik et Traitement du Kaia-Azar Mediterranean de l'Élant et de l'Adulte (Melaney) 1933, 20, 59
- Dorland, W. A. N. American Illustrated Medical Dictionary (18th ed.) (Stoll) 1939, 25, 513
- Ewing, H. E. A Manual of External Parasites 1929, 16, 58
- Fantam, H. B. and Porter, A. Some Minute Animal Parasites or Unseen Icos in the Animal World 1915, 1, 205
- Stephens, J. W., W., and Theobald, F. V. The Animal Parasites of Man 1917, 3, 139
- Faust, E. C., Melaney, H. E., and Annandale, N. Studies on Schistosomiasis Japonica 1924, 11, 55
- and Khaw, O. K., with collaborators. Studies on *Clonorchis sinensis* 1927, 14, 136
- Human Helminthology 1929, 16, 109
- Fox, C. Insects and Disease of Man 1926, 12, 223
- Fox, H. Disease in Captive Wild Mammals and Birds 1924, 10, 218
- Fraund, L. Die Parasiten der Pelztier 1930, 17, 119
- Fróes, H. P. Contribuição au Estudo da Biologia do "*Strongyloides stercoralis*" 1932, 18, 312
- Fuhrmann, O. Trematoda 1930, 17, 60
- Gage, S. H. The Microscope 1917, 4, 92
- Gatenby, J. B. and Cowdry, E. V. Boiles Lee's Microtomist's Vademecum (9th ed.) 1928, 14, 280
- Gay, F. P. et al. Agents of Disease and Host Resistance (Otto) 1935, 21, 457
- Girges, R. Schistosomiasis (Ward) 1935, 21, 138
- Goodey, T. Plant Parasitic Nematodes and the Diseases They Cause (Sterner) 1935, 21, 63
- Gould, G. M. Medical Dictionary (2nd ed.) 1928, 14, 279
- Hall, M. C. Parasites of Swine 1926, 12, 224
- Control of Animal Parasites (Cort) 1936, 22, 304
- Hauduroy, P. Atlas de Parasitologie 1924, 11, 124
- Hegner, R. W., Cort, W. W., and Root, F. M. Outlines of Medical Zoology 1923, 10, 104
- and Tallatierro, W. H. Human Protozoology 1924, 11, 57
- Host-Parasite Relations between Man and His Intestinal Protozoa 1928, 14, 279
- Root, F. M., and Augustine, D. Annual Parasitology 1929, 15, 294
- and Andrews, J. Problems and Methods of Research in Protozoology 1931, 17, 164
- Root, F. M., Augustine, D. L., and Huff, C. G. Parasitology (2nd ed.) (Trager) 1939, 25, 514
- Helminthological Abstracts 1933, 19, 315
- Henderson, J. and Craig, E. L. Economic Mammalogy (Hegner) 1933, 19, 237
- Henrici, A. T. Morphologic Variation and the Rate of Growth of Bacteria 1929, 15, 297
- Herns, W. B. Medical and Veterinary Entomology 1916, 3, 90; 1924, 11, 55
- Higoumenakis, G. Le Bouton d'Orient 1931, 17, 164
- Hindle, E. Flies in Relation to Disease 1915, 7, 204
- Hoops, A. L. and Scharf, J. W. (Editors) Transactions 5th Biennial Congress Far Eastern Assn. Tropical Medicine, Singapore 1925, 11, 181
- Hopkins, S. H. The Papillose Alveolaridae (Cort) 1935, 21, 138
- Hull, T. G. Disease Transmitted from Animals to Man 1930, 16, 172
- Instructions for Collectors, British Museum: Worms 1933, 19, 238
- Jaeger, E. C. A Dictionary of Greek and Latin Combining Forms Used in Zoological Names 1931, 17, 165
- Joyeux, C. Précis de Médecine Coloniale (Cort) 1927, 14, 138
- Kawamura, R. Studies on *Tsutsugamushi* Disease 1927, 13, 288
- Khalil, M. Ankylostomiasis and Bilharziasis in Egypt 1925, 11, 181
- (Secretary) Comptes Rendus Congrès International de Médecine Tropicale et d'Hygiène 1930, 16, 258
- The Bibliography of Schistosomiasis 1931, 18, 57
- Kitasato, S. (Editor) Kitasato Archives of Experimental Medicine 1917, 4, 48
- Knowles, R. An Introduction to Medical Protozoology 1928, 14, 204
- White, R. S., Das Gupta, B. M., Studies in the Parasitology of Malabar 1931, 17, 237
- Kuczyński, M. H. Die Erreger des Fleck- und Felsenfiehders 1928, 14, 206
- Kudo, R. R. Handbook of Protozoology 1931, 17, 237
- Studies on Some Protozoan Parasites of Fishes of Illinois (Huser) 1935, 21, 138
- Lane, C. Hookworm Infection (Stoll) 1933, 19, 314
- Langeron and du Noyer, R. Coprologie Microscopique 1926, 13, 156
- LaRue, G. R. A Revision of the Cestode Family Proteocephalidae 1915, 1, 156
- Leiper, R. T. (Editor) Journal of Helminthology 1923, 10, 104
- (Compiler) Collected Addresses and Laboratory Studies, London School of Hygiene and Tropical Medicine 1926, 12, 224; 1928, 17, 205
- Lynch, K. M. Protozoan Parasitism of the Alimentary Tract 1931, 17, 164
- McCombs, C. E. City Health Administration 1927, 14, 139

- MacGregor, M. E.** Mosquito Surveys 1928, *14*, 205
- Macklin, J. G.** Studies on the Morphology and Life History of Nematodes of the Genus *Strymonia* (Cort) 1937, *23*, 117
- Magazin de Parasitologie du Musée Zoologique de l'Académie des Sciences de l'U.S.S.R. 1932, *18*, 312
- Manson-Bahr, P. H. and Alcock, A.** The Life and Work of Sir Patrick Manson 1928, *14*, 275
- Manson's Tropical Diseases (9th ed.) 1929, *15*, 297
- Martini, E.** Lehrbuch der Medizinischen Entomologie 1924, *10*, 168
- Masters, W. E.** Essentials of Tropical Medicine 1921, *7*, 202
- Matheson, R.** Medical Entomology (Root) 1933, *19*, 237
- Megitt, F. J.** The Cestodes of Mammals 1927, *13*, 287
- Miller, E. L.** Studies on North American Ceratiae (Cort) 1937, *23*, 117
- Münning, H. O.** Veterinary Helminthology and Entomology (Oto) 1935, *21*, 137
- Mooidie, R. L.** Paleopathology 1923, *10*, 58
- Neveu-Lamaire, A.** Infections Parasitaires 1921, *7*, 203
- (Editor) Principes d'Hygiène et de Médecine Coloniales 1925, *11*, 231
- Nöller, W.** Die Wichtigsten Parasitischen Protozoen des Menschen und der Tiere 1924, *10*, 169
- Nouveau Traité de Médecine, V 1923, *10*, 57
- Nowak, J.** Documenta Microbiologica 1928, *15*, 150
- Patton, W. S. and Evans, A. M.** Insects, Ticks, Mites and Venomous Animals of Medical and Veterinary Importance 1930, *16*, 171
- Pawlowsky, E. N.** Gitter und Ihre Giftigkeit 1927, *14*, 73
- Die Tierischen Parasiten und Einige Parasitäre Krankheiten des Menschen in Tadshikistan 1931, *17*, 238
- Pierce, W. D.** Sanitary Entomology 1921, *8*, 47
- Pinto, C.** Tratado de Parasitologia 1930, *17*, 59
- Proc. Pathological Society, Argentine 1933, *19*, 238
- Rautner, M.** Nematomorphia: Acanthocephala 1931, *17*, 164
- Ravaux, P.** Syphilis, Paludisme, Amibiase 1927, *13*, 288
- Reichenow, E. and Wilker, G.** Leitfaden zur Untersuchung der Tierischen Parasiten des Menschen und der Haustiere 1929, *16*, 98
- Reports, Director Veterinary Education and Research, Union of South Africa 1920, *6*, 203; 1929, *15*, 225
- Report, Institute of Tropical Medicine and Hygiene of Porto Rico 1915, *1*, 206
- Report, Medical Dept., United Fruit Co. 1915, *2*, 96; 1918, *5*, 44
- Revue Pratique des Maladies des Pays Chauds (Egypte Médico-Chirurgicale) 1924, *10*, 219
- Riley, W. A. and Johansen, O. A.** Handbook of Medical Entomology 1915, *1*, 204
- and — Medical Entomology (Ewing) 1933, *19*, 236
- and **Christenson, R. O.** Guide to the Study of Animal Parasites 1930, *16*, 257
- Rogers, I.** Recent Advances in Tropical Medicine 1928, *14*, 206
- Rosenau, M. J.** Preventive Medicine and Hygiene (5th ed.) 1927, *14*, 137
- Ross, C. C. and Johns, F. M.** Practical Chemical Laboratory Diagnosis 1929, *15*, 297
- Ross, I. C. and Gordon, H. McL.** The Internal Parasites and Parasitic Diseases of Sheep (Cort) 1937, *23*, 117
- Savory, T. H.** The Biology of Spiders 1929, *15*, 226
- Sharp, C. G. K.** Schistosomiasis vel Bilharziasis 1928, *14*, 280
- Sociedad Argentina de Patología Regional del Norte Tercera Reunion 1928, *14*, 205; 1930, *17*, 119; 1932, *18*, 313
- Southwell, T.** Fauna of British India, Cestodes 1930, *17*, 59; 1931, *17*, 237
- Sprehn, C. E. W.** Lehrbuch der Helminthologie (Ward) 1932, *19*, 149
- Stallybrass, C. O.** The Principles of Epizootiology and the Process of Infection 1931, *18*, 57
- Stitt, E. R.** The Diagnosis and Treatment of Tropical Diseases 1915, *1*, 204; 1917, *4*, 92
- Practical Bacteriology, Blood Work and Animal Parasitology (8th ed.) 1927, *14*, 138
- Strong, R. P., Tyzzer, E. E., Brues,**

- C. T., Sellards, A. W., and Gastiburu, J. C.** Report of First Expedition to South America 1916, *2*, 147
- Shattuck, G., Begaert, J., and Wheeler, R.** Medical Report of the Hamilton Rice 7th Expedition to the Amazon 1926, *13*, 155
- (Editor) The African Republic of Liberia and the Belgian Congo 1931, *17*, 163
- Sandground, J. H., Begaert, J. C., and Ochoa, M. M.** Onchocerca (Oto) 1935, *21*, 321
- Taliferro, W. H.** The Immunology of Parasitic Infections 1930, *16*, 172
- Taylor, J. and Goyle, A. N.** Indian Medical Research Memoirs 1931, *18*, 57
- Thomson, J. G. and Robertson, A.** Protozoology 1929, *15*, 295
- Törnquist, N.** Die Nematodenfamilien Cucullanidae und Cannallanidae 1932, *18*, 314
- Toumanoff, C.** l'Anophelisme en Extrême-Orient (Kofoid) 1938, *24*, 93
- Underhill, B. M.** Parasites and Parasitosis of the Domestic Animals 1920, *7*, 104
- Verdun, P. and Mandoul, A. H.** Précis de Parasitologie Humaine (3rd ed.) 1924, *11*, 123
- Volle, H.** La Fièvre Ombulante 1932, *18*, 312
- Welch, W. H.** (Editor) American Journal of Hygiene 1921, *7*, 202
- Wenyon, C. M.** Protozoology 1927, *13*, 286
- Yokogawa, S. and Morishita, K.** Handbook of Hunan Parasitology (Cort) 1935, *21*, 63
- Yorke, W. and Mapstone, P. A.** The Nematode Parasites of Vertebrates 1926, *12*, 221
- Zeitschrift für Parasitenkunde 1928, *15*, 74
- Zinsser, H.** Infection and Resistance 1918, *4*, 176
- Rhabdus fischeriense catanensis*, life history of (Chu) 1936, *22*, 140
- , redescription of (Chu) 1936, *22*, 130
- , species occurring in *Bufo* spp. and a salamander (Cobb) 1926, *13*, 88
- status of reptilian nematodes of (Chu) 1936, *22*, 130
- Rhabditis**, food of, and their relatives (Cobb) 1924, *11*, 116
- Rhabditin** (Cobb) 1914, *1*, 40; 1921, *7*, 195
- Rhabditis**, bursal formula for (Cobb) 1920, *6*, 198
- *coarctata* in *Aphodius fischeri* (Christie) 1925, *12*, 106
- cysts on mouth parts and legs of *Geotrupes* sp. (Steiner) 1924, *10*, 212
- *hominis* in U. S. A. (Sandground) 1925, *11*, 140
- *icosinis*, development of larvae in utero (Cobb) 1925, *11*, 219
- , injurious in dewooling sheepskins; with observations on male copulatory organs of this nem. (Cobb) 1925, *11*, 218
- *lanthanensis* as carrier of bacterial disease in mushroom beds (Steiner) 1931, *18*, 53
- , specimens similar to *R. coarctata* Leuck. (Chapin) 1925, *11*, 225
- *strongylides*, copulatory sac of (Chitwood) 1929, *15*, 282
- Rhabdochona ovifilamenta**, new nematode, with note on life history (Weller) 1938, *24*, 403
- Rhabdonema odisa**, cestode of *Pectocetes phaeinachus* in Quebec (Swales) 1934, *20*, 313
- Rhadinorhynchidae**, acanthocephalan family, reconsideration of (Van Cleave and Lincome) 1939, *25* Suppl. 10
- Rhigonema**, note on (Cobb and Christie) 1927, *14*, 62
- Rhadinus prolixus**, biology and life history of (Urbe) 1926, *13*, 129
- Root, Francis Metcalf** (Hegner) 1935, *21*, 67
- Rotenone**, effect on *Tylenchus diptri* (Cooper) 1933, *20*, 74
- Rotifer**, apparently pathogenic in man (Gieson) 1933, *20*, 133
- Ruminant stomach**, studies on infusoria of (Becker and Schütz) 1929, *16*, 96
- Saline** extracts of parasitic worms, effect on blood pressure of dog (Essex and Markowitz) 1929, *16*, 98
- solutions, weak, for parasites (Cort) 1924, *10*, 211
- Salivary glands** of nematode genera *Tylenchus* and *Aphelenchus* (Cobb) 1925, *9*, 236
- Sand** flies and salt marsh mosquitoes, dikes and automatic tide gates in control of (Dove and Hall) 1934, *20*, 337
- fly outbreak in Texas (Bishop) 1927, *13*, 217

- Sanitary index** of three Southern communities (Stiles) 1916, 2, 196
- Sanitation**, agricultural, in North China (Windfeld) 1937, 23, 565
- , campaign for, educational methods of value in (Stiles) 1915, 1, 200
- , swine, as control measure for thoroughbred worm, *Macracanthocephalus hinduensis* (Nigibert) 1931, 17, 236
- Santonin** in small single doses for intestinal helminths of dogs, critical experiment with (Underwood) 1933, 20, 112
- , overrated as an anthelmintic (Shil-linger) 1927, 14, 72
- Sarcocystis* from heart of elk, *Cervus canadensis* (Schwartz) 1928, 14, 198
- , *villayi* from domesticated duck (Hall) 1925, 11, 217
- , in mallard duck (Reardon) 1931, 18, 46
- , new host and locality record for (Gower) 1938, 24, 378
- , *tenella*, development in white rat (Scott) 1927, 13, 215
- , insects as possible hosts of (Scott) 1920, 7, 99
- , is it aberrant form of one of the Cnidosporidia of insects? (Scott) 1920, 6, 157
- , notes and experiments on (Scott) 1915, 2, 20
- , seasonal infection of (Scott) 1918, 5, 45
- Sarcophaga*, comparative study of first-instar larvae and notes on biology of (Knapling) 1936, 22, 417
- , larval characters in genus (Root) 1923, 9, 227
- Sarcophagid** larvae from painted turtle (Childester) 1915, 2, 48
- Sarcophagids** parasitic in man (Stiles) 1923, 9, 241
- Sarcophis scabiti*, variation of ovum under coverglass pressure (Weidman) 1920, 6, 155
- Sarcosporidia**, a critical review (Scott) 1930, 16, 111
- , aberrant forms of Cnidosporidia in invertebrates? (Galli-Valerio) 1916, 2, 126
- , biology of (Scott) 1929, 16, 105
- , encountered in Panama (Darling) 1915, 1, 113
- , in Virginia (Wilson and McDonald) 1938, 24, 249
- Sarcosporidiosis** in an East Indian (Darling) 1919, 6, 98
- Scabies**, unusual form in fowls (Wick-ware) 1921, 8, 90
- Schistosoma*
- , *Wenlandi* (Price) 1933, 20, 111
- , *houfjordi* and *S. turkestanicum* (Price) 1928, 15, 68
- , *haematobium* and *S. mansoni* in Egypt distribution of (Scott) 1936, 22, 534
- , in Africa, *Isadora contorta* as intermediate host of (Bartsch) 1923, 9, 246
- , *imponicum* and *S. haematobium*, reactions of miracidia in presence of their intermediate hosts (Faust) 1924, 10, 199
- , complement-fixation test of *Schistosomium pathologicum* and its group reaction with (Tanabe) 1923, 9, 230
- , course taken by larvae of (Cort) 1921, 7, 196
- , distribution of molluscan hosts in Far East (Faust and McLenny) 1924, 11, 107
- , molluscan intermediate host of, in Philippines (Bequaert and Pillsbury) 1934, 20, 280
- , resistance to desiccation of intermediate host (Cort) 1919, 6, 84
- , *mansoni*, comparative action of tannic and formalin in vitro (Giovannola) 1936, 22, 302
- , molluscan phase of life cycle (Faust and Hoffman) 1933, 20, 131
- , unisexual infection with (Giovannola) 1936, 22, 289
- , variability of egg output as compared with hookworm (Scott) 1931, 18, 129
- Schistosomium douilitti* in mouse, rat, muskrat guinea pig, and snow-shoe hare (Penner) 1939, 25 Suppl, 8
- , new adult schistosome (Price) 1929, 16, 103
- , from muskrat, *Ondatra zibethica*, in Minnesota and Michigan (Penner) 1938, 24 Suppl, 26
- Schistosome** dermatitis, distribution and epidemiology in Michigan (McMullen et al) 1939, 25 Suppl, 24
- , in dogs (Herber) 1938, 24, 474
- , eggs, passage through tissue (Cort) 1921, 8, 92

- , in *Marilia affinis* from Maryland (Chapin) 1924, 10, 208
- , infestation, allergic reactions to (Hoffman) 1931, 17, 236
- , larvae, adaptability to new hosts (Cort) 1918, 4, 171
- , criteria for differentiation of (Faust) 1920, 6, 192
- Schistosomes**, avian in North America (Young) 1937, 23, 295
- , male, possible presence alone in experiments and natural infections (Faust) 1927, 14, 62
- , of Egypt, human, characteristic movements of miracidia and cercaria of (Barlow) 1935, 21, 436
- Schistosomiasis**, due to *Schistosoma mansoni* and its transmission in Ethiopia (Giovannola) 1938, 24 Suppl, 11
- , importance of measures against snails (Leiper) 1921, 8, 92
- , in mountain valleys of Venezuela (Scott) 1938, 24 Suppl, 11
- , *mansoni*, sedimentation method in diagnosis of (Hoffman and Pons) 1932, 19, 164
- Schistosomidae**, synopsis of, with note on *Macrobilharzia* (Price) 1931, 17, 230
- Schistostoma macrocephala*, new locality and new host for (Jones) 1929, 15, 220
- Schizactinia* in porcupines (Chandler) 1936, 22, 513
- Schizotenziasis** in muskrats (Olsen) 1939, 25, 279
- Seasonal distribution** of some *Acanthocephala* from fresh-water hosts (Van Cleave) 1916, 2, 106
- , fluctuation in infestation of *Planorbis trivolvis* with larval trematodes (McCoy) 1928, 15, 121
- , number of eggs of trichostrongylid worms in the feces of ewes (Taylor) 1935, 21, 175
- Secretions** of *Cochliomyia macellaria* larvae in relation to their development (Krueger) 1930, 17, 109
- Selacoleye mustelae*, n. g., n. sp., morphological and biological study of (Wallace) 1935, 21, 143
- Serum sickness** (Ransom) 1920, 7, 99
- Sctaria* in eyes of horses (Schwartz) 1927, 13, 222
- , *labiato-papillosa* from udder of cow (Dikmans) 1933, 19, 246
- Sheep** prefer hill pastures (Curtice) 1922, 9, 35
- Shell material**, case of over-production in a trematode (Mantel) 1927, 13, 199
- Shipworms** (Bartsch) 1921, 7, 196
- Siam**, results of parasitological survey in (Barnes) 1925, 11, 226
- Siphonaptera**: new species of bat flea from Arizona (Kohls) 1937, 23, 300
- , *Ophodays* genus of (Jelison) 1939, 25, 413
- , species infesting wild hares and rabbits of North America (Kohls) 1939, 25 Suppl, 17
- Strabiniema ovis* from goats in Beltsville, Md. (Dikmans) 1932, 19, 84
- Slides**, funder (Cobb) 1916, 2, 196
- Smith, Allen John** (Ward) 1927, 13, 157
- Smith, Theobald**, as a parasitologist (Hall) 1935, 21, 231
- Snail** from crop of chicken (Hall) 1923, 9, 239
- Soboliphyme batrini* in North America (Price) 1939, 17, 57
- Sparganosis** from man in China, second case (Campbell) 1928, 14, 196
- Sparganum mansonioides*, experimental human infection (Mueller and Goldstein) 1939, 25 Suppl, 31
- , oral transfer of, and nature of *Sparganum proliferum* (Mueller) 1937, 23, 568
- , resistance and immunity reactions in infections (Mueller and Chapman) 1937, 23, 561
- , under skin of black fox in Wisconsin (Ransom) 1924, 11, 100
- Specialist** citing the (Howard) 1917, 4, 91
- Specificity**, host-parasite, in coecidia of mammals (Andrews) 1927, 13, 183
- , immunological, of polysaccharide fraction from common helminths (Campbell) 1937, 23, 348
- , of parasite for host in relation to problems of age resistance and acquired immunity with special reference to helminthases and other metazoan infections (Sandground) 1928, 15, 145
- , organ, of *Emmoria tenella* (Herick) 1936, 22, 226
- Spermatogenesis** in gastrostomes (Woodhead) 1934, 20, 336

Sphaeridiotrema, trematode, losses among wild ducks due to (Price) 1929, 16, 103

Sphaerularia bombi from Falls Church, Va. (Christie) 1930, 17, 55

Sphyrnura oligorhynchus, life cycle of (Alvey) 1933, 20, 140

_____, lymph system of (Alvey and Martin) 1934, 20, 327

Spicula of *Spironomura* (Cobb) 1928, 15, 71

Spider, black widow, in Joaquin Valley (Donohoe) 1937, 23, 424

_____, poison (Kellogg) 1915, 1, 107

Spiracera sanguinolenta in dog in North Dakota (Schwartz) 1926, 13, 83

_____, status of (Chittwood) 1933, 20, 69

Spirochaeta lagopodis in blood of willow grouse (Allen) 1933, 20, 97

_____, recurrent: a filter passer (Todd) 1920, 6, 152

Spirochete, stomach, occurring in mammals (Kasai) 1919, 6, 1

Spironomura affinis, note on (Chapin) 1924, 10, 212

Sporochiidae, status of trematode family (Byrd) 1938, 24 Suppl, 28

Sporoxys, taxonomy of (Hedrick) 1935, 21, 397

Spirurid larvae encysted in cat flea (Aihara) 1935, 21, 221

Spores, ciliatesporidian, extrusion of polar filaments of (Kudo) 1918, 4, 141

_____, microsporidian, structure of (Kudo) 1920, 6, 178

Sporozoites, mother, of *Leucochloridium* (Woodhead) 1935, 21, 337

_____, of *Leucochloridium*, extraordinary case of multiple infection with (Woodhead) 1936, 22, 227

Sporozoa, doubtful relationship to ulcers of *Fimadilus heterochilus* (Bond) 1938, 24, 207

Sporozoan parasites, of fishes of Woods Hole (Hahn) 1917, 3, 91; 1917, 4, 13

Sporozoa, bird malaria, transmitted by intravenous injection of (Wolfson) 1936, 22, 291

_____, production of bird malaria infections by injection of (Rozeboom and Shah) 1934, 20, 198

Spurious parasitism (see parasitism, spurious)

Staining and mounting nematode larvae, simple method of (Moorthy) 1937, 23, 100

Stannosoma (Price) 1932, 18, 309

Stenophora lactaria, gregarine, development and relation to host tissues (Kamm) 1917, 3, 124

Stephanurus dentatus (Raffensperger) 1931, 18, 44

_____, adult kidney worm of swine, unusual location for (Nighbert) 1931, 17, 236

_____, from liver of cattle (Hall) 1921, 7, 198; 1921, 8, 95

_____, in cattle (Schwartz and Aihara) 1929, 15, 286

_____, northern U. S. A. (Aihara) 1933, 19, 253

_____, spinal canal of pig, posterior paralysis due to (Price) 1927, 14, 59

_____, note on, found among unpublished papers of Dr. Ransom (Schwartz) 1932, 18, 311

_____, skin penetration tests with infective larvae of (Spindler) 1933, 20, 76

_____, viability of eggs and larvae of (Spindler) 1931, 18, 45

_____, *novi*, synonym of *Stephanurus dentatus* (Aihara) 1932, 19, 84

Sterrhurus sp., hemiurid from gills of cutlass fish, *Trichurus lepturus* (Nigrelli and Stunkard) 1933, 20, 136

Stichorchis subtrihynchus, studies on the pre-ecercarial development of (Bennett and Humes) 1938, 24 Suppl, 27; 1939, 25, 223

Stiles, Charles Wardell, contributions to parasitology, resume of (Schwartz) 1933, 19, 257

_____, testimonial dinner tendered 1932, 18, 218

Stomoxys calcitrans, attempt to transmit yellow fever virus by (Hoskins) 1934, 20, 299

Strigea from herring gull, *Larus argentatus*, with remarks on function of hold-fast organ (LaRue) 1927, 13, 226

Strigoid larva, *Nesacus wardi*, new (Hamter) 1928, 15, 104

_____, of genus *Necodiplosomum* develops in rats from diplostomum metacercaria in muscles of *Rana sphenoccephala* (Penner) 1938, 24 Suppl, 26

Strigeidae (Holostomidae), relationships of (LaRue) 1926, 12, 159

Strongyles, horse, new American records for (Cram) 1922, 9, 49; 1924, 11, 91

Strongylodes aritium, new host records for (Cram) 1930, 17, 55

_____, development in experimental host (Faust) 1932, 19, 167

_____, experimental infection, interrelations of parasite and host-tissue in (Faust) 1934, 20, 333

_____, from ceca of chickens (Cram) 1929, 15, 292

_____, infective larvae, tail structure of (Aihara) 1935, 21, 450

_____, ingestion of eggs and larvae by intestinal ciliates (Swezey and Athley) 1934, 20, 313

_____, larvae after oral infection, new course for migrating (Yoshida) 1920, 7, 46

_____, natural infection in dog (Augustin and Davey) 1939, 25, 117

_____, *ransomii*, experimental transmission to domestic rabbit (Tucker) 1932, 19, 92

_____, *ratti*, constitutional differences between homologous and heterologous lines of (Graham) 1939, 25, 365

_____, constitutionally dissimilar lines of (Graham) 1938, 24 Suppl, 33

_____, infection of guinea pigs with (Sheldon and Otto) 1937, 23, 570

_____, nature of age resistance to (Lawler) 1939, 25 Suppl, 30

_____, single larva infection as approach to biometrics of (Graham) 1935, 21, 432

_____, of homologous origin, fecundity of (Graham) 1938, 24, 233

_____, parasites, fecundity of (Graham) 1936, 22, 529

_____, seasonal changes in progeny of (Graham) 1937, 23, 570

_____, singly-established, length of life of (Graham) 1939, 25 Suppl, 29

_____, studies on resistance in rat (Sheldon) 1936, 22, 533

_____, successful infection of mice with (Sheldon) 1937, 23, 98

_____, *sp.*, multiple adenomata of large intestine of cat caused by (Price and Dikmans) 1929, 16, 104

_____, speciation and specificity in (Sandground) 1925, 12, 59

_____, spurious cases of, due to *Rhabditis hominis* (Sandground) 1925, 11, 221

_____, *stercoralis*, acquisition of active immunity by dogs and cats to infection with (Sandground) 1927, 13, 215

Strongyloidiastis, human, in Panama (Faust) 1930, 17, 107

Strongylus equinus and *S. zingaris*, rate of egg production measured by egg counts and larval cultures (Britton) 1938, 24, 517

_____, development of eggs and free-living larvae of (Wetzel) 1930, 17, 53

_____, *S. edentatus* and *S. vulgatus*, differentiation of infective third-stage larvae of (Wehr) 1932, 19, 91

_____, third stage larvae of (Wetzel) 1931, 17, 235

_____, *leptoccephalus*, specimen from *Bradypus* sp. (Chapin) 1925, 12, 105

_____, *rubidus*, proposing new generic name for (Hall) 1921, 7, 191

_____, *vulgatus*, case of manism in, and observations on leaf crowns in species of *Strongylus* (Cram) 1921, 7, 188

_____, influence of hydrogen ion concentration upon longevity of (Whitlock and Leasure) 1938, 24, 469

Subulura brunphi from turkey in Porto Rico (Cram) 1926, 12, 164

_____, life history note on (Aihara) 1939, 25, 179

Survival of larvae of *H. contortus*, *O. circumcincta*, and *N. spathiger* on pastures (Dikmans and Andrews) 1933, 20, 107

Susceptibility and resistance to helminthic infections (Chandler) 1932, 18, 135

Swamp fever, transmission by nasal secretions (Scott) 1920, 7, 102

Syngamus and *Cyathostoma*, symmetry of buccal teeth (Chapin) 1924, 11, 115

_____, apparent atrophy of spicules of (Hall) 1920, 7, 100

_____, from respiratory tract of calf (Ransom) 1921, 8, 93

_____, *larvigenus* from cattle and carabao in Philippine Islands (Hall) 1915, 1, 155

_____, of cattle, spicules in (Chapin) 1924, 11, 106

_____, third case in man (Hoffman) 1931, 17, 236

_____, *trachea*, gapeworm, artificial intestation of English sparrow (Cuvillier) 1932, 19, 93

- *trachealis*, reported by Baltimore physician (Faust) 1924, 11, 106
- Syngonism** in oxyurias (Cobb) 1929, 15, 291
- Syphacis abrechta*, life history of (Lawler) 1939, 25, 442
- , mouse oxyurid, as parasite of man (Kiley) 1919, 9, 89
- Syngolaimus*, fossors of (Cobb) 1928, 15, 69
- Systematic papers**, abbreviated method of preparing 1933, 19, 316
- Tabanidae**, methods of collecting and rearing immature stages of (Phillip) 1928, 17, 243
- Taenia balanicus*, case of abnormal development in (Cram) 1927, 14, 54
- *coijitza*, new record of, with notes on morphology (Chandler) 1920, 7, 34
- , validity of (Anderson) 1934, 20, 207
- *crassicolis* larvae, cultivation under sterile conditions (Mendelsohn) 1935, 21, 417
- *hydaticus*, a six-segmented tapeworm (Canavan) 1933, 20, 57
- in liver of giraffe (Schwartz) 1928, 15, 67
- infestation, skin reaction in (Ramsdell) 1927, 14, 102
- *krabbei*, redescription of (Cram) 1926, 13, 34
- *pistiformis* and *T. scintilis*, experiments on cysticerci of (Ackert) 1915, 1, 151
- , immunity in dogs to aqueous extracts of (Essex et al) 1930, 17, 107
- , triradiate specimen (Foster) 1914, 1, 53
- *scintilis*, abnormal specimen of (Cott) 1920, 7, 96
- , an unusual case (Meserve and Coakley) 1937, 23, 313
- , egg production in (Schapiro) 1937, 23, 104
- , *H. nana* and *H. diminuta* relative frequency in U. S. A. (Ransom) 1922, 9, 48
- , in 6-month's child (Bartsch) 1921, 8, 93
- , multiple infections, produced experimentally (Cross) 1932, 19, 156
- , occurrence in North China (Mills) 1923, 9, 214
- *taeniaformis*, superinfection of cats with (Mittler) 1931, 18, 126
- Taeniasis**, new anthelmintic "ragan" for (Hyvda and Terada) 1939, 25, 183
- Tapeworm**, anoplocephaline, collected from pig in Antigua (Hall) 1922, 9, 35
- , broad, species native to America (Ward) 1923, 9, 244
- , cysts from esophagus of sheep (Dikmans) 1932, 19, 90
- , fowl, house fly and transmission of (Ackert and Reid) 1936, 22, 543
- , from cat in Louisiana (Dikmans) 1931, 18, 47
- , hawk, which produces proliferating cysticercus in mice (Perner) 1938, 24 Suppl, 25
- , whale, *Balaenoptera musculus* (Chapin) 1921, 7, 197
- , new unarmad, from spotted skunk (Peery) 1939, 25, 487
- , porcupine, *Schizactenia americana*, egg of (Hadden) 1922, 9, 47
- , rate of growth in human beings (Moore) 1915, 2, 98
- , standardized method of treating in man, with idea of recovering head (Mlagath and Brown) 1927, 13, 225
- Tapeworms**, carnivore, experimental infection by man of cysticerci of (Hall) 1914, 1, 42
- , fowl, longevity of (Ackert) 1921, 7, 198
- , from the bullsnake, (*Ptyophis* (sic) *scovi*), with remarks on species of *Oorchristica* (Meggitt) 1934, 20, 181
- , larval, in gizzard of duck (Cram) 1926, 12, 178
- , liver, lungs, spleen, kidneys, omentum and heart of squirrel, *Sciurus carolinensis* (Schwartz) 1928, 15, 67
- , *Tetrallipidium*, in baboon, *Papio porcarius* (Schwartz) 1928, 15, 67
- , loss of experimentally produced infestation in chicken (Jones) 1931, 17, 233
- , poultry, intermediate hosts of (Jones) 1932, 18, 307
- , remarkable animal association involving two species in white-tailed prairie dog and ferruginous rough-legged hawk (Scott) 1931, 18, 49
- , sterile, in unusual hosts (Hall) 1922, 9, 35
- Tarantulas**, effect of poison of (Baerg) 1921, 8, 86
- Tartar emetic**, in vitro action on *Schistosoma mansoni* (Giovannola) 1936, 22, 302
- Tarbia*, recently found in U. S. A. (Wehr) 1930, 16, 168
- Tarochis schistoroyle*, helminth from Panamanian capybara, *Hydrochoerus isthmus* (Faust) 1935, 21, 323
- Technics** for discovery of protozoa and helminths in feces, comparative efficiency of (Faust et al) 1938, 24 Suppl, 8
- Technique**, new methods in nematode (Hetherington) 1922, 9, 102
- Telorchinae** and Reniferinae, relationship of (McMullen) 1935, 21, 217
- Temperature** effects on hookworm eggs and larvae and on fly eggs and larvae (Stiles) 1921, 7, 192
- Tenebrio molitor*, meal worm, ingestion of larvae by man (Hinnian and Faust) 1932, 19, 119
- Tenidens demittus* from man in southern Rhodesia (Sandground) 1928, 15, 72
- , in southern Africa (Sandground) 1930, 17, 118
- Tetradobothris*, note on (Linton) 1923, 10, 51
- Tetrachloethylene**, a new anthelmintic (Hall and Stillinger) 1925, 11, 228
- Tetraoyle turbei*, anatomy of, with synopsis of described tetracoyliiform larvae (Faust) 1918, 5, 69
- Tetraodonema plicatus*, of *Sciara coprofida*, biological notes on (Hungerford) 1919, 5, 186
- Tetraon** (tetrahydrozaphthalene) as cleaning agent (Faust) 1924, 11, 105
- Tetrynere americana*, distribution in New Jersey (Baudette et al) 1933, 19, 302
- *crumi*, of ducks, morphological and biological studies (Swales) 1936, 22, 528
- , male is *Echinuria spinosa* (Wehr) 1933, 20, 113
- , status of (Stiles and Baker) 1930, 16, 163
- Tetraneris ritipara*, new mercanthid (Stener) 1925, 12, 108
- Tetrathynchid** larva from Galveston Bay (Chandler) 1935, 21, 214
- Tetrathromastix blattidarium* n. sp. from cockroach, description, incidence, and cultivation of (Young) 1935, 21, 309
- Thalassonema ophiocinctis*, parasitic in brittle star, *Ophiocystis annulatus*, with summary of echinoderm parasites (Ward) 1933, 19, 262
- Thamnatocystis* Oalmer, 1910, a pre-epicel name (Price) 1930, 16, 161
- Thelazia callipaeda*, experimental studies on (Faust) 1927, 14, 134; 1928, 15, 75
- , specimen of female from eye (Barlow) 1921, 8, 94
- , infections in China (Faust) 1927, 13, 213
- , larval, human infestation with (Faust and Hu) 1927, 14, 134
- Thelazidae** (Railliet) 1916, 2, 99
- Thelozania apatica*, culicine microsporidian, development of (Kudo) 1924, 7, 84
- Thymol** and oil of eugenopodium (Stiles) 1921, 7, 192
- Tick**, *Amblyomma dissimile*, in Panama (Dunn) 1918, 5, 1
- , American dog or Eastern Rocky Mountain spotted fever (Bishop and Smith) 1936, 22, 541
- , argasid, *Ornithodoros parkeri*, burrowing owl as host (Jelison) 1939, 25 Suppl, 17
- , as possible agent in collocation of eggs of *Dermatobia hominis* (Dunn) 1918, 4, 154
- , borne tularaemia, epizootic, in sheep in Montana, 1934 (Phillip) 1934, 20, 338
- , host anemia induced by *Dermacenter andersoni* (Jelison and Kohls) 1938, 24, 143
- , infestation, action of arsenical dips in preventing (Grabill) 1914, 1, 48
- , intracellular microorganism-like bodies in *Dermacenter zardabhis* (Tager) 1939, 25, 233
- , larvae live longer under lower temperatures than under higher (Ransom) 1922, 9, 36
- , new from Texas peccary (McIntosh) 1931, 18, 124
- , *Ornithodoros hermsi*, probably vector of relapsing fever in Northern Idaho (Phillip and Davis) 1938, 24 Suppl, 12
- , *talpe*, in Wisconsin bones (Herrick) 1935, 21, 216
- , paralysis (Todd) 1914, 1, 55
- , parasite, *Ixodiphagus terrans*, in nymphs and larvae of *Hemaphysalis leporis-palustris* (Larsson) 1937, 23, 496

- , attachment of one to another (Hassall) 1924, 10, 210
- , digenetic, development of excretory system in (Hussey) 1939, 25 Suppl, 9
- , and parenchyma of (Odlang) 1935, 21, 437
- , life history studies and their relation to problems in taxonomy (Larue) 1938, 24, 1
- , of fishes of Galapagos Islands and their relationships (Manter) 1939, 25 Suppl, 25
- , study of germ cell cycle of (Throcks) 1929, 16, 96
- , ectoparasitic, of Puget Sound fishes (Gubert) 1934, 20, 324
- , endoparasitic, from marine fishes of Department Bay, B. C. (McFarlane) 1935, 21, 434
- , from Missouri, life history studies on (McCoy) 1928, 14, 207
- , furcercous larval (Miller) 1923, 10, 35
- , germ cell cycle in (Woodhead) 1932, 19, 164
- , giant from wahoo, *Acanthocybium solandri* (Nigrelli and Stunkard) 1937, 23, 567
- , gyrodactyloid, peculiarities in occurrence, on North American fishes (Mueller) 1936, 22, 545
- , Japanese snails as intermediate hosts of (Bartsch) 1921, 7, 187
- , larval, behavior studies on (Miller) 1927, 13, 224
- , from North American freshwater snails (Cott) 1914, 1, 65
- , western Massachusetts, ecological studies on (Rankin) 1939, 25, 309
- , host-parasite relationship in oligochaete worms (Dobrovolsky) 1938, 24 Suppl, 26
- , naming of (Hall) 1932, 18, 309
- , seasonal fluctuation in infestation of *Planorbis trivolvis* (McCoy) 1928, 15, 121
- , infestation of *Nassa obsolita* with (Miller and Northrup) 1926, 12, 161
- , South African (Faust) 1921, 8, 11
- , what constitutes justifiable basis for systematic grouping of (Faust) 1924, 11, 112
- , localization of germ cells in sporocysts and rediae (Brooks) 1929, 16, 97
- , malformations in (Price) 1930, 16, 161
- , marine fish hosts, of Maine (Manter) 1925, 12, 11
- , modifications of acetabulum in (Manter) 1937, 23, 566
- , monogenetic, from Galapagos Islands (Meserve) 1937, 23, 571
- , I. New species from war-mouth bass (Mizelle and Seaman) 1939, 25, 501
- , III. Redescriptions and variations in a few known species (Mizelle) 1939, 25 Suppl, 12
- , new *Leucochloridium* spp. from northern Michigan birds, with key of genus (McIntosh) 1932, 19, 32
- , North American, anatomy and relationships of (Stunkard) 1916, 3, 21
- , of *Ameiurus nebulosus* (Arnold) 1933, 20, 136
- , fish, experimental study in two *Hamaeridium* spp. (McCoy) 1930, 17, 1
- , possible role of behavior of cercariae in their life histories (Miller) 1928, 15, 142
- , structures found in bile and feces resembling ova of (Speer and Ohlman) 1925, 12, 105
- , systematic position of, from freshwater fishes of North America (Van Cleave and Mueller) 1931, 18, 132
- , two free-living larvae, from North America (Ward) 1916, 3, 10
- , *Trypomonas* in oecum of turtles (Das Gupta) 1935, 21, 125
- , *Trypomonas perenne*, probable identity with *T. pallidum* (Butler) 1930, 17, 52
- , *Triacnophorus crassus*, from Canadian fish, maturation and hatching of eggs (Ekbaum) 1937, 23, 293
- , in Canada (Ekbaum) 1935, 21, 260
- , *robustus*, structure and life history of (Hjortland) 1928, 15, 38
- , *Triatoma megista*, attempts to transmit yellow fever virus with (Davis) 1933, 19, 209
- , *Trichina* cysts in cats, effect of irradiated ergosterol and irradiated milk on (Wandland et al) 1936, 22, 538
- , experiment (Ransom) 1915, 1, 200

SUBJECT INDEX

- , extracts, non-specific skin reactions in pigs to injection of (Schwartz et al) 1930, 17, 114
- , in cats, prevalence of (Riley) 1927, 14, 64
- , studies on forced calcification in experimental infections of Brand et al) 1937, 23, 567
- , *Trichinae*, development in abnormal environments (McCoy) 1936, 22, 54
- , chick and rat embryos (McCoy) 1934, 20, 333
- , effects of X-rays on (Schwartz) 1920, 7, 100
- , localization of adults in intestine (Roth) 1938, 24, 225
- , *Trichinella* infections, effect of age of rat on size of (Marchant) 1939, 25 Suppl, 23
- , penetration of radioactive phosphorus into encysted larvae (McCoy and Downing) 1939, 25 Suppl, 33
- , rapid loss of larvae fed to immune rats and its bearing on mechanism of immunity (McCoy) 1938, 24 Suppl, 35
- , spirals and *Leishospira icterohemorrhagiae* in Hawaiian Islands (Allicata) 1937, 23, 572
- , antigen, reactions with (Bachman et al) 1933, 20, 146
- , skin, reactions to, in cases of trichiniasis and infections with *Trichuris trichura* (McCoy and Miller) 1931, 18, 123
- , biology of (Christenson) 1927, 14, 122
- , blood picture of white mice infected with (Hunter and Groupe) 1939, 25 Suppl, 33
- , effects of quick freezing upon infective larvae of (Augustine) 1932, 19, 175
- , development of (Tyvazer and Honci) 1916, 3, 43
- , infectivity after successive feedings to rabbits (Allicata) 1935, 21, 431
- , larvae, recovery from early stages of infection (Levin) 1939, 25 Suppl, 24
- , larval production in rats given graduated numbers of larvae (Nolf and Edney) 1937, 23, 567
- , minimum time required to produce infective larvae (Nolf and Edney) 1935, 21, 313
- , pores in cuticula of (Cobb) 1924, 11, 120
- , prevalence of human infection with (Queen) 1931, 18, 128
- , production and migration of larvae of (Nolf and Crum) 1937, 23, 574
- , sex ratio from digestive tract of rats (Gursch) 1939, 25 Suppl, 23
- , transmission of immunity to, from parent to offspring (Mauss) 1939, 25 Suppl, 29
- , transplantation of gravid (Nolf) 1937, 23, 574
- , *Trichinellosis*, esophagus of (Citwood) 1930, 16, 165
- , *Trichinosis*, artificial immunization of rats against (McCoy) 1933, 20, 142
- , experimental, passive immunity in (Culbertson and Kaplan) 1937, 23, 560
- , in rats, course of experimental (McCoy) 1931, 18, 123
- , treatment of, report of case (Maggath) 1926, 12, 166
- , *Trichinized* white rats, effect of irradiated ergosterol on (Wandland) 1938, 24, 167
- , *Trichinosis*, correlations and implications in connection with incidence of (Hall and Collins) 1936, 22, 533
- , diagnosis and epidemiology in Maryland family (Otto) 1936, 22, 530
- , experimental in pig, skin reactions in (Schwartz and McIntosh) 1929, 16, 104
- , failure of repeated injections of trichina extracts to immunize rats to (Lucker) 1933, 19, 243
- , incidence by post-mortem examination of 300 diaphragms (Hall and Collins) 1936, 22, 532
- , in Alabama (Walker and Breckenridge) 1938, 24 Suppl, 10
- , practical plan for control of (Nelson) 1939, 25 Suppl, 33
- , precipitin and intradermal tests in (Augustine and Theiler) 1930, 17, 106
- , retention of guanidine bases, a toxic factor in (Harwood et al) 1936, 22, 532
- , *Trichodina*, (Ciliata) new species from urinary tract of muskshogger, with re-partition of genus (Mueller) 1938, 24, 251

Trichodorus obtusus found in *Mononchus acutus* (Thorne) 1932, 19, 90
Trichomonad infections, relation of intestinal pH to intensity in albino rats (Ratcliffe) 1928, 14, 202
Trichomonads, effects of allantoin on (Hegner and Eskridge) 1936, 22, 410
 _____, experimental transmission from intestine and vagina of monkeys to vagina of monkeys (Hegner) 1928, 14, 261
 _____ from man, rat and owl, cultivation of (Tanabe) 1925, 12, 101
 _____ in facial lesions of pig (Hegner and Alcata) 1938, 24, 554
 _____ rats, effect of starvation on (Hegner and Eskridge) 1937, 23, 225
 _____, ingestion of red-blood corpuscles by (Hegner) 1927, 14, 128; 1928, 14, 202
 _____, methods of counting (Hegner) 1933, 19, 247
 _____ of monkey, experiments with transfer of (Hegner) 1928, 15, 67
 _____, vaginal, in monkey (Hegner) 1927, 14, 60
 _____, viability in milk (Hegner) 1929, 16, 47
Trichomonas angusta, in liver abscesses in frog (Stabler and Pennypacker) 1936, 22, 541
 _____ *columnbae* (Stabler) 1937, 23, 554
 _____ as cause of death in hawk (Stabler and Szelanski) 1936, 22, 539
 _____, experimental lesions, in chicken (Gabadon and Andrews) 1935, 21, 451
 _____, cultivation, etc., of (Andrews) 1926, 12, 148
 _____ flagellates of man, comparative morphology of (Wenrich) 1930, 17, 117
 _____ *factors*, cultivation free from bacteria (Andrews) 1936, 22, 539
 _____, experimental infection in sleep (Andrews and Rees) 1936, 22, 108
 _____ infection in cattle, cultural and microscopic diagnosis of (Andrews et al) 1935, 21, 452
 _____ staining with Wright's blood stain (Stewart) 1938, 24, 473
 _____ free rats, colony of (Hegner and Eskridge) 1936, 22, 408

_____ from guinea pig (Tanabe) 1925, 11, 170
 _____ *gallinae* the correct name for flagellate in mouth, crop and liver of pigeon (Stabler) 1938, 24, 553
 _____ *hominis* from man, infections of vagina of rhesus monkeys with (Hegner) 1934, 20, 247
 _____ in rats, effects of high protein diet on (Hegner and Eskridge) 1935, 21, 513
 _____, ingestion of erythrocytes and its occurrence in amoebic liver abscess (Kessel) 1925, 11, 151
 _____, passage in viable condition through monkey (Hegner) 1934, 20, 199
 _____ *T. buccalis* and *T. vaginalis*, inoculation experiments with (Bonestell) 1936, 22, 511
 _____, viability of (Hegner) 1927, 14, 128
 _____, viscosity of culture media on multiplication of (Hegner and Eskridge) 1936, 22, 223
 _____ *intestinalis*, daucyost-formation of (Lynch) 1916, 3, 28
 _____ in vitro, observations upon (Boyd) 1919, 5, 132
 _____, note on cultivation of (Boyd) 1918, 4, 168
 _____, morphological studies on (Tanabe) 1926, 12, 120
 _____ *nitrosi*, numbers in relation to pH and bacteria in caecum of rats on diets of different protein content (Ratcliffe) 1928, 15, 143
 _____, parasitic in oxyurias of white mouse (Theiler and Farber) 1932, 19, 169
 _____ sp., epizootic among quail with presence of (Allen) 1930, 16, 162
 _____, thermal death-point of (Andrews) 1926, 12, 177
 _____, two cases of flagellate diarrhoea due to (Hegner) 1925, 12, 111
 _____ *zoochialis*, attempt to transmit to intestinal tract of kittens (Kessel) 1933, 20, 124
 _____, structure of (Magath) 1935, 20, 121
 _____ vaginitis (Kessel and Gafford) 1934, 20, 330
Trichomoniasis, bovine venereal (Rees) 1937, 23, 554; 1938, 24 Suppl. 16
Trichomonas, gross infestation with, in two equines (Wright) 1931, 18, 44

Trichomonoides crassicauda, migratory course in body of final host (Yokogawa) 1920, 7, 80
 _____, studies on life history of (Thomas) 1924, 10, 105
Trichostrongylus axei, biometrics and seasonal incidence of (Stewart and Douglas) 1937, 23, 569
 _____, occurrence in equines of Panama (Foster) 1937, 23, 573
 _____ *calcaratus*, development of acquired resistance in rabbits by repeated infections with (Sarles) 1932, 19, 61
 _____ in rabbits, fatal infections of (Sarles) 1932, 19, 157
 _____, self-cure and protection in rabbits receiving repeated infections of (Sarles) 1930, 17, 114
 _____ *delicatus*, male specimen from cattle (Dilmans) 1930, 17, 55
 _____, longevity in man (Sandground) 1935, 22, 464
 _____ *rigatus* in mountain sheep (Price) 1930, 16, 161
 _____ *tenuis* infestation in domestic and game birds in U. S. A. (Cram and Cuvillier) 1933, 20, 128
Trichuris, comparative scarcity in Philippine dogs (Schwartz) 1924, 11, 93
 _____ in southern U. S. A. (Otto) 1932, 18, 200
 _____, nature of "cell body" of (Chitwood) 1935, 21, 225
 _____, specific characters in (Chandler) 1929, 16, 97; 1930, 16, 198
 _____ *trichura*, blood picture in children with, in Louisiana, U. S. A. (Otto) 1933, 20, 142
 _____, development and viability of eggs, under field conditions (Brown) 1927, 13, 220; 1927, 14, 1
 _____, regularity of egg production of (Brown) 1927, 14, 110
 _____ *villosa*, temperature and moisture requirements in development of eggs of (Spindler) 1929, 16, 41
Trichuroidea, structure of esophagus in (Chitwood) 1930, 17, 35
Trithionomus of man in pure cultures of various microorganisms; its failure to grow with some and measurement of its growth and division rate with others (Cleveland) 1927, 14, 129
 _____ observations and experiments on (Cleveland) 1927, 13, 217
 _____ separation from bacteria and failure to grow in media free of living bacteria and in blood stream of warm and cold-blooded vertebrates (Cleveland) 1927, 14, 129
Trogloodyella abrossarti, anatomy of (Swezey) 1932, 19, 171
 _____ and *Trogloodyella abrossarti arminata*, intestinal ciliates of chimpanzee, transition from one type to other (Swezey) 1932, 19, 12
 _____, cultivation of (Swezey) 1935, 21, 10
Tropidocera, peculiar morphologic development of egg (Foster) 1914, 1, 45
Tropidurus and *Tropisurus*, status of (Stiles and Baker) 1930, 16, 163
Trypansolysis, zone phenomena in (Taliadro and Johnson) 1927, 13, 224
Trypanoplasia on gills of carp from Schuykill River (Wenrich) 1931, 18, 133
 _____, probably *Trypanoplasma borrali*, in blood of common sucker, *Catostomus commersoni* (Alavor) 1915, 2, 1
Trypanosoma americanum (Glaser) 1922, 8, 136
 _____ *brucei* as filterable virus (Reich and Beckwith) 1922, 9, 93
 _____, site of origin of filter-passing bodies (Reich) 1924, 10, 171
 _____ *cruci*, acquired immunity in rats against (Culbertson and Kolodny) 1938, 24, 83
 _____, method for preservation of viable forms of (Kolodny) 1939, 25, 282
 _____, new invertebrate host of (Uribe) 1926, 12, 213
 _____, two species of *Trypano* from Mexico naturally infected with (Whitaker and Alazzoti) 1937, 23, 537
 _____ *diemeryi*, measurements from different hosts (Hegner) 1921, 7, 105
 _____ *dittoni*, course of infection in normal and in splenectomized and blocked mice (Taliadro and Pavhlova) 1935, 21, 439; 1936, 22, 29
 _____ *quimperianum*, changes in blood of rats infected with (Andrews) 1928, 15, 135
 _____, prophylaxis of mice by periodic administration of germanin (Culbertson) 1939, 25, 443
 _____, relation of carbohydrates to metabolism of (Poindexter) 1935, 21, 292

- *gambicense* designated as type species of *Trypanozoon* Löhle, 1906 (Stiles and Smith) 1924, 11, 110
- *lewisii*, blood picture of rats infected with (Smith and Setchel) 1929, 16, 106
- , development of resistance of young rats to (Herrick) 1932, 19, 158
- , pathogenic effects of (Herrick and Cross) 1936, 22, 126
- , immunization of rats by administration of specific antiserum per os (Culbertson) 1939, 25, 181
- , inhibition of reproduction in (Tallatier) 1926, 12, 162
- , natural transmission of immunity against, from mother rats to their offspring (Culbertson) 1938, 24, 65
- , transmission of resistance from passively immunized mother rat to nursing young (Culbertson) 1939, 25, 182
- *microti*, note on (Cainey) 1935, 21, 455
- Trypanosome** from Woods Hole skate (Kudo) 1923, 9, 179
- infections in experimental animals (Johnson) 1931, 17, 234
- , rats, oxygen capacity of blood in (Johnson) 1932, 19, 160
- , natural, of canary (Manwell and Johnson) 1930, 17, 110
- Trypanosomes**, and intestinal flagellates, incidence in aquatic and terrestrial forms of crimson-spotted newt (Hegner) 1929, 16, 56
- , thermal death point of, and immunization against *Trypanosomiasis* (de Rivas) 1927, 13, 215
- , viable, in seminal fluid of infected guinea pig (Sharrocks) 1935, 21, 412
- Trypanosomiasis**, American human, natural infection in two species of *Tratoma* (Kolofid and Whitaker) 1936, 22, 259
- , changes in blood of cats due to (Andrews and Sanders) 1927, 14, 127
- Tryparamide**, new synthetic arsenical, found effective against *T. gambiense* (Welch) 1921, 7, 191
- Tsunugamushi** disease, etiology of (Hayashi) 1920, 7, 53
- Turbellaria**, new parasitic, from Bermuda sea cucumber (Meserve) 1934, 20, 270
- Tussock moth** (*Hemerocampa leucostigma*), poisonous nature of (Knight) 1922, 8, 133
- Tylenchus dipsaci*, effect of derris extract and rotenone upon (Cooper) 1933, 20, 74
- , hot water treatment in dried narcissus material (Sherman) 1933, 20, 71
- , importation on seeds from South Africa (Cobb) 1924, 11, 96; 102
- , in Chinese primrose (Steiner) 1926, 13, 90
- , Irish potatoes grown on Prince Edward Island (Steiner) 1931, 18, 44
- , sweet potatoes grown in New Jersey (Steiner) 1930, 17, 58
- , infection experiments with potatoes (Kreiss) 1931, 17, 236
- , methods of combating (Cobb) 1929, 15, 291
- , new host of, from Oregon (Counthey) 1933, 20, 65
- , number in narcissus leaf typically infested (Sherman) 1933, 20, 112
- , significance of climatic factors in development of infestation in narcissus (Steiner) 1933, 19, 255
- , slowly spreading in U. S. A. (Cobb) 1929, 15, 220
- , stem-nema, its movement in commerce, and its reaction to hydrocyanic acid gas (Cobb) 1929, 15, 283
- *penetrans* (Cobb) 1927, 14, 71
- and *T. devastatrix* (Cobb) 1920, 7, 95
- *pratensis* de Man (Steiner) 1927, 14, 71
- *robustus* found in *Mononchus acutus* (Thorne) 1932, 19, 90
- Tylocephalus bacilliformis*, morphology of (Crossman) 1933, 20, 106
- Typhlocochium flavum* from ducks from North Carolina (Chapin) 1924, 10, 208
- Typhlohepatitis** of turkeys, blood alterations in (Johnson and Lange) 1938, 24 Suppl. 12; 1939, 25, 157
- Typhoid**, bacillus, skin reactions to fractions of (Nichols and Smith) 1926, 13, 73
- Typhus**, endemic, and tropical rat mites (Dove and Shelburne) 1932, 18, 159
- , recent developments in transmission of (Dove) 1931, 18, 116

SUBJECT INDEX

- Ultraviolet irradiation**, effects on *Dendrofolliculorum* (Sheard and Harndenberg) 1927, 14, 36
- Uncinaria* from *Mephitis mesomelas mesomelas* (Dilkman) 1931, 18, 56
- *lotoris* in civet, *Bassarisiscus asthure flavus* (Price) 1928, 14, 197
- *stenocephala*, occurrence in the fisher, *Mustela* sp. (Cairwood) 1932, 18, 307
- Uncinariasis**, early history of hookworm campaign in southern U. S. A. (Stiles) 1939, 25, 283
- , value of hemoglobin index in (Stoll) 1926, 13, 88
- Unionidae**, phases in parasitism of (Howard and Anson) 1922, 9, 68
- Uraconihus brevispinosus* Dising, 1861 (Chitwood) 1932, 19, 89
- Uranotachina* spp. in Louisiana, biological notes on (Hihman) 1934, 20, 339
- Urease** and occurrence of ammonia in maggot-infected wounds (Robinson and Baker) 1939, 25, 149
- , changes in concentration during pupal development of blow fly *Phormia regina* (Robinson and Wilson) 1939, 25, 455
- , concentrate from blow fly larvae, preparation of (Baker) 1939, 25, 280
- Urine**, turbellarian (?) passed in (Hoeppli) 1925, 12, 108
- Uta**, Peruvian disease, insect vector of (Townsend) 1915, 2, 67
- Variation** in pasture infestation with *M. expansa* (Stoll) 1938, 24, 527
- Vector**, insect, of *Uta*, a Peruvian disease (Townsend) 1915, 2, 67
- Vernitages**, use in treatment of swine (Foster) 1915, 1, 155
- Verruga**, etiology deduced from study of asexual stages of *Bartonella* (Townsend) 1916, 2, 143
- Vesibulosectaria*, status of (Chitwood) 1933, 19, 253
- Veterinary parasitology**, the wide field of (Hall) 1930, 16, 175
- Viability** of ova of *Ascaridia lincolni* (Levine) 1937, 23, 368
- *Capillaria columbae* (Levine) 1937, 23, 427
- Viewpoints** and orientation in parasitology (Tyzzer) 1935, 21, 1
- Virus**, *Trypanosoma brucei* as filterable (Reich and Beckwith) 1922, 9, 93
- , site of origin of filter-passing bodies (Reich) 1924, 10, 171
- Vole**, European species collected at Urbana, Ill. (Chapin) 1924, 11, 109
- Warble** injuries to reindeer hides (Dove and Cushing) 1933, 20, 138
- Warbles**, migration of, in reindeer (Dove and Cushing) 1933, 20, 138
- Ward, Henry Baldwin**, and JOURNAL OF PARASITOLOGY (Cort) 1932, 19, 99
- , surprise party in honor of 1933, 20, 60
- Watchglasses**, small Syracuse (Cobb) 1924, 11, 109
- Wolcomia combar* correct name for *Orxuris combar* (Price) 1930, 16, 159
- Whipworms** from swine, specific identity of (Schwartz) 1926, 13, 83
- White, Gershom Franklin**, (Dove) 1937, 23, 579
- Wohlfahrtia virgil* as human parasite (Diptera: Sarcophagidae) (Walker) 1920, 7, 1
- , first instar of (Johannsen) 1921, 7, 154
- , further observations on behavior, with notes on collecting and rearing (Ford) 1936, 22, 309
- , larvae of (Walker) 1922, 9, 1
- , larval stages of (Walker) 1937, 23, 163
- , parasite upon rabbits (Johannsen) 1926, 13, 156
- , sarcophagid fly, behaviour of (Ford) 1932, 19, 106
- Wolf, Iycaon pictus**, postthoracic findings in (Chapin) 1921, 7, 200
- Worms**, burster, removing air bubbles from buccal capsules of (Kingscote) 1939, 25, 442
- , infestation in hill pastures, cleaned by wash of rain (Hall) 1922, 9, 35
- , intestinal, of dogs in Philippine Islands (Wharton) 1917, 4, 80
- , North American parasitic, structure and classification of (Ward) 1917, 4, 1
- , removal from dog with iso-amyl-ortho-cresol (Jerstad) 1938, 24 Suppl. 34
- , thorny-headed, artificial hatching of eggs of (Manter) 1927, 13, 223
- Wuchereria bancrofti*, possible vectors in Bahia, Brazil (Davis) 1935, 21, 21

- Xenopsylla cheopis*, oriental rat flea, in Minnesota (Owen) 1936, 22, 512
- Xiphidocerariae**, two Venezuelan (Urbe) 1925, 11, 125
- Xiphinema americana* found in *Monochilus acutus* (Thorne) 1932, 19, 90
- X-rays**, effect on *Heterodera radicum* (Cobb) 1920, 7, 101
- Yellow fever**, attempts to transmit virus with *Triatoma megista* (Davis) 1933, 19, 209
- _____ virus, attempt to transmit by
- dog fleas (*Ctenocephalides canis*) and flies (*Stomoxys calcitrans*) (Hoskins) 1934, 20, 299
- Zoological Nomenclature**, Amendments to International Rules of 1929, 15, 280
- Zoophilism** with *Anopheles*, a review (Howard) 1924, 10, 191
- Zygocotyle lunatum*, lymph system of, with note on sub-family Zygocotylinae (Willey) 1932, 19, 165
- Zyngocystis conricta*, gregarine of earth-worms (Mickel) 1925, 11, 135

HOST INDEX

- Agelaius p. phoeniceus*, red-wing black-birds, occurrence of malaria in young and adult (Herman) 1937, 23, 553
- Agriolimax agrestis*, metacercariae of *Brachylaemus*, from (Reynolds) 1938, 24, 377
- Alligator mississippiensis*, trematode (*Odimeritremia incommodum*) from mouth of (McIntosh) 1935, 21, 53
- Ambystoma*, salamander, *Tetramastix ambystoma*, new species of flagellate from (Das Gupta) 1935, 21, 223
- Ameiurus nebulosus*, common bullhead-cestode larva from liver of (Essex) 1928, 15, 137
- _____, life cycle of *Corallobothrium* sp. from (Larsh) 1939, 25 Suppl, 19
- _____, trematodes of (Arnold) 1933, 20, 136
- Ania cclata*, life history notes on *Haplobothrium globuliforme*, tapeworm of (Thomas) 1929, 16, 107; 1930, 16, 140
- _____, *Pesticercarium tybicum*, new trematode from (Winfield) 1929, 16, 81
- Ammocela*, Texas, some cercariae from (Hopkins) 1938, 24 Suppl, 24
- Amphibia** and reptiles, of China. *Acanthocephala* from (Van Cleave) 1936, 22, 530
- _____, haemogregarines of, experiments on (Sanders) 1928, 14, 188
- _____, Nematoda as parasites of (Walton) 1933, 20, 1; 1935, 21, 27; 315
- _____, _____, studies on life histories (Walton) 1937, 23, 299
- _____, nematode parasites of, in orders Strongyloidea, Dioctophymoida and Trichinelloidea (Walton) 1932, 19, 164
- _____, North American, *Acanthocephala* in (Van Cleave) 1915, 1, 175
- _____, of Houston, Texas and vicinity helminths parasitic in (Harwood) 1931, 18, 120
- Amphiuma tridactylum*, parasites of (Bennett and Re) 1936, 22, 544
- Amyda spinifera*, *Obolotaenia testudo*, new species from (Magath) 1924, 11, 44
- Animals**, domestic, of Menard County, Texas, species of Caliphoridae concerned in myiasis in (Parish and Laake) 1935, 21, 264
- Annelid**, marine, *Hydroides thumius*, cercaria occurring in (Stunkard) 1929, 16, 106
- Anopheles punctipennis*, controlled transmission of *Plasmodium vivax* by (St John) 1927, 14, 132
- Angeator** of Panama, occurrence of (*Gigantorhynchus echinoides*) in (Dunn) 1934, 20, 227
- Anelone**, *Onchocerca flexuosa* from subcutaneous tissues of (Dikmans) 1933, 19, 246
- _____, prong horn, *Ostertagia billosa* in (Price) 1928, 14, 197
- _____, sable, (*Egocerus niger*), *Cooperia pectinata* from (Dikmans) 1932, 19, 90
- Antilocapra americana*, additional host of *Nematotritelia longispinata* (Dikmans) 1933, 20, 107
- _____, anelone, new host of lung-worm *Protostrongylus macrois* (Dikmans) 1932, 19, 93
- Ants** as intermediate hosts for two species of *Raillietina* parasite in chickens (Jones and Horsfall) 1935, 21, 442
- _____, tropical, new genus of remains inhabiting nests of (Cobb) 1924, 10, 209
- Aphtolius finetarius*, dung beetle, larval nema from (Cobb) 1922, 9, 37
- _____, *Rhabditis* sp. in (Christie) 1925, 12, 106
- _____, *rubrolus*, encysted *Gongylonema scutatum* in (Chapin) 1920, 7, 101
- Aphidionotus graminis*, life history and morphology of *Mitrocotyle spinicirrus*, monogenetic trematode from gills of (Remley) 1936, 22, 535
- Armedilitium vulgare*, intermediate host for *Plagiostichus jermasus* (Sintsin) 1929, 15, 287
- Arthropoda**, new gregarines from (Watson) 1915, 2, 27
- _____, polycystid gregarines from (Watson) 1916, 3, 65
- Aftacus cynthia*, infected by species of *Nasania* (Ishiwata) 1917, 3, 136
- Baboon**, (*Papio porcarius*), larval tapeworm *Tetrathyridium* in (Schwartz) 1928, 15, 67
- _____, subcutaneous tumor in, due to *Mulliceps* larvae (Schwartz) 1926, 12, 159

- Bass**, black of Lake Chautauque, N. Y., *Microphallus oreatis* n. sp. from (Osborn) 1919, 5, 123
- , life history of black grub, *Crassiphiala ambloplitis*, of (Hunter and Hunter) 1934, 20, 328
- , small-mouthed black, plerocercoid larva of *Proteocephalus ambloplitis* in (Hunter and Hummen) 1933, 20, 132
- , warmouth, new monogenetic trematode from (Mizelle and Seaman) 1939, 25, 501
- Bats**(s), infective larvae of *Physoscephalus seralatus* in (Allicata) 1931, 18, 47
- , (*Molossus sinaloe*), *Acantharium molossidis* n. sp. from (Martin) 1934, 20, 335
- , new filarid from (McIntosh) 1932, 19, 170
- , trematodes, *Plagiophilis*, *Limnium* and *Dicrocoelium* from (Alacy) 1931, 18, 28
- , red, *Dicrocoelium lasini*, new trematode from liver of (McIntosh) 1933, 20, 137
- , trematodes, *Gyrodactylus brevigratus* and *Distomum melchyi* from (Alacy) 1935, 21, 413
- , two new species of *Paradictyodendrium* from (Alacy) 1935, 21, 437
- Bears**, *Diphylobotrium latum* from, in North America (Skinker) 1931, 18, 55; 1932, 19, 88
- , of Yellowstone Park, *Diphylobotrium cordatum* in (Scott) 1932, 19, 162
- Beetle(s)**, cucumber, *Hercaridula benigna*, nematode of (Cobb) 1922, 9, 36
- , dung, (*Acaninus cognatus*), as intermediate host of *Hymenolophis cantianana* (Allicata and Jones) 1933, 19, 244
- , flour, (*Tribolium confusum* and *T. ferruginum*), coccidian parasite of (Riley and Krogh) 1927, 13, 224
- , ground, cysticercoids in, and new tapeworm from guinea fowl (Jones) 1930, 16, 158
- , Japanese, new nemie parasite of larvae (Stener) 1930, 16, 161
- , pathogenic nematode of (Glaser) 1931, 18, 119
- Bird malaria**, behavior in common fowl, an abnormal host (Manwell) 1932, 19, 176
- , effect of colchicine on (Coatney and Young) 1939, 25, 446
- , increased burden of phagocytosis upon natural and acquired immunity to (Gingrich) 1934, 20, 332
- , quinine and plasmodium on (Manwell) 1929, 16, 101
- , rawolfine on (Manwell) 1933, 20, 125
- , effects of changes in sugar content of blood on host-parasite relations in (MacDougall) 1927, 13, 223
- , immunity in, with special reference to *Plasmodium circumflexum* (Manwell and Goldstein) 1938, 24 Suppl, 19
- , infections by injection of sporozoites (Rozeboom and Shah) 1934, 20, 198
- , parasites, mortality in asexual cycle of (Hartman) 1926, 12, 167
- , how many species are there? (Manwell) 1934, 20, 334
- , (*Plasmodium inconstans*), periodicity in (Gingrich) 1929, 16, 98
- , staining parasites in tissue sections (Hewitt) 1938, 24 Suppl, 22
- , transmitted by intravenous injection of sporozoites (Wolfson) 1936, 22, 291
- Bird(s)**, aberrant larvae of *Physoscephalus seralatus* in (Cram) 1930, 17, 56
- , as host of *Dispharynx spiridis* (Cram) 1932, 18, 310
- , *Habronema nicotia* in new locality (Cram) 1933, 20, 74
- , California, haematozoa in (Wood and Wood) 1937, 23, 197
- , cestodes of (Tinton) 1927, 13, 223
- , new host records for (Jones) 1930, 16, 159
- , different malarias of, varying effects of quinine and plasmodium therapy on (Manwell) 1930, 17, 110
- , domestic and game, *Capillaria* parasitic in upper digestive tract of (Cram) 1934, 20, 334
- , in U. S. A., *Trichostrongylus tenuis*, infestation in (Cram and Cuvillier) 1933, 20, 128
- , new records of nematodes in (Cram) 1931, 18, 48
- , duration of malarial infection in (Manwell) 1933, 20, 124
- , economically important in North

HOST INDEX

- America, nematodes of pathological significance found in (Cram) 1927, 13, 223
- , effect of quinine and plasmodium on canary birds infected with *Plasmodium rouxi* (Manwell) 1931, 18, 124
- , upon reproduction of *Plasmodium cathemerium* (Boyd) 1933, 20, 139
- , factors influencing asexual periodicity of malarias of (Stauber) 1939, 25, 95
- , found dead during migration, parasite fauna of (McIntosh and McIntosh) 1935, 21, 431
- , from Armenia, two new trematodes from biliary ducts of (Skirabin and Lidnizew) 1930, 16, 213
- , northern Michigan, new trematodes from, with key of *Laeochloridium* spp. (McIntosh) 1932, 19, 32
- , gallinaceous, methods for isolating and differentiating species of *Eimeria* in (Tyzzer) 1928, 15, 148
- , helminths and coccidia from Ohio bobwhite (Venard) 1933, 19, 205
- , host feeding and its relation to parasite reproduction in malaria of (Boyd) 1931, 18, 115
- , immunization to malaria, by vaccination (Redmond) 1939, 25 Suppl, 28
- , in Alaska, gapeworm disease of (Cram) 1930, 17, 56
- , China, nematodes from (Chiu) 1931, 17, 155
- , species of *Parrotiaecum* (Nematoda) from (Hsu) 1933, 19, 280
- , influence of increased burden of phagocytosis upon malarial infections in (Gingrich) 1932, 19, 178
- , *Isoospora volkii*, a new coccidian of (Boughton) 1937, 23, 97
- , life histories of three trematodes, *Plagiorchis* spp., of (McMullen) 1937, 23, 235
- , microgamete formation of *Haemonchus beckeri* in blood of brown thrasher (*Torostoma rufum*) (Ronda-bush) 1937, 23, 565
- , nematodes of (Cram) 1925, 12, 113; 1926, 12, 180; 1932, 19, 93
- , new species of nematodes from, in Philippines (Wehr) 1930, 17, 80
- , North American, two new *Athythinorhynchus* in (Van Cleave) 1916, 2, 167
- , of California, blood parasites of (Herns et al) 1939, 25, 51.
- , Syracuse region, blood parasites of (Manwell and Herman) 1935, 21, 415
- , *Parhamatophrium hubbicki*, new nematode from (Skirabin and Petrov) 1935, 21, 91
- , plasmodia of, influence of hosts' rest period on periodic asexual reproductive activity (Stauber) 1937, 23, 554
- , possible role in epidemiology of syriatic plague (Jelison) 1938, 24 Suppl, 12
- , schistosomes of, in North America (Young) 1937, 23, 295
- , South American, (*Amblypyramphus holocircensis*), new nematode, *Tetrameres panisipina* from (Sandground) 1928, 14, 265
- , status of certain genera of Acanthocephala from (Van Cleave) 1934, 20, 324
- , water, two new schistosomal trematodes from (McLeod) 1937, 23, 456
- , *Bison bison*, American bison, arthropod and helminth parasites of (Ronda-bush) 1936, 22, 517
- Bobwhite**, new species of *Tetrameres* from (Cram) 1933, 19, 245
- Bot**, dead, fly breeding in (Hall) 1923, 9, 239
- Bovine** (See also cattle)
- , anaplasmosis and piroplasmosis, effects of exposure to different degrees of temperature on etiological agents of (Rees) 1937, 23, 175
- , in California, *Dermacentor occidentalis* vector of (Herns and Howell) 1936, 22, 283
- , coccidia carriers (Skidmore) 1933, 20, 126
- , coccidiosis (Rees) 1932, 19, 180
- , endoglobofilar parasites, exposure of three to different degrees of temperature (Rees) 1936, 22, 538
- , venereal trichomoniasis (Rees) 1937, 23, 554; 1938, 24 Suppl, 16
- Bradypus**, *Strongylus leptoccephalus* from (Chapin) 1925, 12, 105
- Buffalo**, African, *Elaeophora boecki* in (Sandground) 1936, 22, 528
- , *Buteo marinus* as vector of helminth ova in Puerto Rico (Hoffman and Janer) 1938, 24 Suppl, 10
- , species of *Rhabdias* in (Cobb) 1926, 13, 88

- Bullfrog**, wanderings of flarid, *Icosiella quadrinotata*, in (Giesen and Worden) 1933, 20, 130
- Bullhead**, (*Ameiurus nebulosus*), trematodes of (Arnold) 1933, 20, 136
- Calathus opaculus**, additional intermediate host for poultrey cestode, *Kaillithina casticillus* (Jones) 1930, 17, 57
- Camel**, *Trichouris tenuis* n. sp. in (Chandler) 1930, 16, 198
- Campepona decisum**, new hamnosome adolecarta from (Mueller) 1935, 21, 99
- Canaries**, experimental transmission of *Torophusina* in (Wolfson) 1937, 23, 553
- , immunity to superinfection with *Plasmodium relictum* in (Taliaferro and Taliaferro) 1927, 13, 217
- , natural trypanosome of (Manwell and Johnson) 1930, 17, 110
- , normal and immune, cellular reactions to malaria in skin of (Taliaferro and Bloom) 1938, 24 Suppl, 19
- , female, erythrocyte counts and hemoglobin concentration in (Young) 1937, 23, 424
- , susceptibility of young red cells to malarial parasites (Hegner and Hewitt) 1937, 23, 556
- , two types of *Torophasma*-like bodies in (Wolfson) 1938, 24 Suppl, 22
- Cancer productus**, crab, gregarines from (Cuckler and Fichter) 1939, 25, 184
- Canvassback**, new species of *Diorchis* (Hymenolepididae), from (Long and Wiggins) 1939, 25, 483
- Capybara**, Panamanian, *Tarorchis schistosomyle* from (Faust) 1935, 21, 323
- Carabao**, nodular disease of intestine due to *Cooperia* (Schwartz) 1927, 14, 133; 1928, 14, 203
- , *Syngamus laryngis* from, in Philippines (Hall) 1915, 1, 155
- Caribou**, Newfoundland, (*Rangifer tarandus terrae-novae*), *Cysticercus tenuicollis* from (Dikmans) 1932, 19, 83
- , (*Rangifer granti*), presence of *Linguatula serrata* in (Chapin) 1926, 12, 180
- Carp** from Schuykill River, trypanoplasm on gills of (Weinrich) 1931, 18, 133
- Cat(s)** active immunity to infection with *Strongyloides stercoridis* (Sand-ground) 1927, 13, 216
- , age resistance to hookworm infections (Sartles) 1928, 15, 67
- , *Flaria americana* from (Hall) 1922, 9, 43
- , anophebias in (Ratcliffe) 1930, 17, 113
- , attempt to transmit *Trichomonas vaginidis* to intestinal tract of kittens (Kessel) 1933, 20, 124
- , *Paragonimus* in (Cram) 1924, 11, 105
- , changes in blood caused by infection with protozoa (Sanders) 1928, 14, 202
- , due to anophebias (Sanders) 1927, 14, 126
- , trypanosomiasis (Andrews and Sanders) 1927, 14, 127
- , *Citrobra* larvae from (Hall) 1921, 7, 186; 1925, 11, 221
- , *Diphyllobothrium* from, in Syracuse region (Mueller) 1933, 20, 140; 1935, 21, 114
- , *Diphylidium sercoroidum* in (Chapin) 1921, 7, 193
- , *Diroflaria immitis* in heart of (Riley) 1922, 9, 48
- , domestic, *Taracaris leonina* as parasite of (Baylis) 1924, 10, 217
- , effect of irradiated ergosterol and irradiated milk on calcification of trichina cysts in (Wandland et al) 1936, 22, 538
- , various culture filtrates on pathogenicity of *E. histolytica* for kittens (Frye and Meleary) 1934, 20, 336
- , washing cultures and of exchanging bacterial flora on pathogenicity of *E. histolytica* for kittens (Frye and Meleary) 1932, 19, 159
- , experimental anophebias in kittens (Rees) 1927, 14, 125
- , giardiasis in kittens and puppies (Kessel) 1929, 16, 99
- , feeding experiments with *Gnathostoma spinigerum* larvae obtained from second intermediate host (Pronmas and Daengsvang) 1937, 23, 115
- , grasshopper attaching in mouth of (Hall) 1924, 11, 101
- , growth in length of several strains of hookworms in (Scott) 1928, 15, 146
- , immunity in coccidiosis (Andrews) 1926, 12, 162
- , in U.S.A., *Eimerius acrophilus* in (Dikmans) 1931, 18, 56
- , infected with *Ophiorchis bendoni felinus* and *Aetorchis complexus*, parasitic cirrhosis of liver in (Esses and Bollman) 1929, 16, 97
- , in Louisiana, interesting tapeworm from (Dikmans) 1931, 18, 47
- , multiple adenomata of large intestine caused by *Strongyloides* sp. (Price and Dikmans) 1929, 16, 104
- , infestation with *Citrobra* larvae in (Hall) 1924, 10, 209
- , occurrence of *Platygonosoma fastosum* in, in Puerto Rico (Hoffman) 1932, 19, 91
- , *Paragonimus* in (Ransom) 1915, 1, 202
- , pathologico-anatomical studies on experimental anophebias in kittens (Hirveda) 1929, 16, 99
- , Philippine, *Ancylostoma braziliense* in (Schwartz) 1924, 11, 93
- , civet, *Giardia hegneri* n. sp. from (Chu) 1930, 16, 231
- , prevalence of trichina in (Riley) 1927, 14, 64
- , production of amoebic liver abscesses in, through portal circulation (Frye et al) 1937, 23, 229
- , resistance to ascaris infection of (Sartles) 1933, 20, 126
- , superimposed infection with *Torocara cotti* (Sartles and Stoll) 1935, 21, 277
- , species of *Diphylidium* in, in U.S.A. (Schwartz) 1927, 14, 68
- , strain of dog hookworm *Ancylostoma caninum*, especially adapted to, 1929, 15, 209, 221
- , superinfection with *Taenia taeniaceiformis* (Miller) 1931, 18, 126
- , trichomonads from mouth of (Hegner and Ratcliffe) 1927, 14, 27
- , wild, *Giardia* from (Hegner) 1924, 11, 75
- Catfish**, (*Ictalurus punctatus*), new myxosporidian of (Davis) 1922, 8, 118
- Cattle** (see also bovine)
- , acquired immunity in *Trichomonas foetus* infection of (Andrews et al) 1935, 21, 429
- , *ascaris* in liver of calf (Dikmans) 1932, 19, 85
- , biology of infusoria of ruminant stomach (Becker and Schilz) 1929, 16, 96
- , *Capillaria brevis* in (Dikmans) 1930, 17, 1
- , *Cooperia heissenii* in (Price) 1929, 15, 21
- , demodectic mange in cow (Dikmans) 1931, 18, 4
- , *Eimeria bukthomonensis* in New York State (Baker) 1938, 24 Suppl, 1
- , *clippoidis*, new coccidium of (Becker and Frye) 1929, 15, 17
- , *Fasciola hepatica* infection of, ring test in (Hoffman and Rivera) 1928, 15, 135
- , *Giardia* infections in nematode from (Graham) 1935, 21, 127
- , histopathological changes caused by *Hydroderma* larvae in esophagus of (Simmons) 1937, 23, 376
- , immunity to hookworm and nodular worm infection in calves (Alay-hew) 1939, 25 Suppl, 31
- , in Hawaii, *Fasciola gigantica* of, and snail, *Fossaria ollula*, its intermediate host (Alicata and Swanson) 1937, 23, 106
- , Louisiana, *Ostertagia lyrata* in (Dikmans) 1930, 16, 162
- , Montana, outbreak of cysticercosis in (Schwartz) 1929, 15, 286
- , Puerto Rico, *Ourchocerca gutturosa* from cervical ligament of (Dikmans) 1933, 19, 246
- , intestinal lesions in calves due to *Cooperia punctata* (Ransom) 1920, 7, 96
- , nematode infections with demonstration of secondary transmission to grazing sheep (Stoll) 1936, 22, 385
- , occurrence of swine kidney worm in yearling calf (Spindler) 1930, 17, 52
- , *Ourchocerca* in, in U.S.A. (Ransom) 1920, 7, 98
- , *Paramphistomum cervi* from gutlet of cow (Cram) 1925, 11, 230
- , second case of swine kidney worm, *Stephanurus dentatus*, from liver of (Hall) 1921, 5, 95
- , *Staria labiale-pupillata*, from under of cow (Dikmans) 1933, 19, 246
- , spicules in *Syngamus laryngis* of (Chapin) 1924, 11, 106
- , *Stephanurus dentatus* as parasite of (Hall) 1921, 7, 198
- , in (Schwartz and Alicata) 1929, 15, 286

- Synanus* from respiratory tract of calf (Ransom) 1921, 8, 93
laryngans from, in Philippine (Hall) 1915, 1, 155
Trichomonas foetus infection in, cultural and microscopic diagnosis of (Andrews et al) 1935, 21, 452
Trichostrongylus delicatus from (Dikmans) 1930, 17, 55
 two types of oöcysts of coccidia from Iowa calves (Becker) 1927, 14, 123
 warble larvae in, salt treatment for (Hadden) 1932, 19, 87
 tick, stage of *Prophlasma biggini* which occurs in (Crawley) 1915, 2, 87
Ceratomegilla fasciolaris, new host for *Agamocermis decandata* (Christie) 1928, 15, 71
Cercophithicus nictans, cerebral coenurus from (Sandground) 1936, 22, 533
Cervidae, new parasitic nematode from stomach of unknown member of (Schwartz) 1926, 13, 25
Cerulus munitiae, *Ostertagia handemeri* from (Schwartz) 1928, 15, 73
Cetacean cestode, *Prosthocotyle monorchis* n. sp. (Linton) 1923, 10, 51
Channel cat, (*Ictalurus punctatus*), *Certhobolobrium fragile*, new species of tapeworm of (Essex) 1928, 15, 137
Chelydra serpentina, *Draconarius globoccephalus* n. sp. from (Mackin) 1927, 14, 91
Endamoeba harrisi from (Taliaferro) 1924, 11, 99
Chicken(s) (see also fowl, poultry)
 age factor in resistance to *Finaria tenella* (Herrick et al) 1936, 22, 264
 resistance to *Ascaridia lineata* (Ackert et al) 1932, 19, 157; 1935, 21, 305
Railletia cestifluis (Ackert and Reid) 1937, 23, 558
 amphipod, (*Orchestia platensis*), intermediate host for *Fymenolepis crigna*, tapeworm of (Albetta) 1936, 22, 515
 and turkeys, comparative resistance of, to *Ascaridia lineata* (Ackert and Eisenbrandt) 1935, 21, 200
 ants as intermediate hosts for two species of *Railletia* (Jones and Horsfall) 1935, 21, 442
 as host for *Utricularia lucida* (Schwartz) 1925, 12, 112
Ascaridia galli in hen's egg (Hall) 1925, 12, 105
 of, moisture requirements of eggs of (McKee) 1935, 21, 220
 barium tartrate as remedy for removal of gapeworms from (Weller et al) 1938, 24 Suppl, 17
 biology of *Dacynina proglottina* in intestine of (Levine) 1938, 24, 423
 carbon tetrachloride as anthelmintic for *Ascaridia lineata* (Graham and Ackert) 1929, 16, 98
 cestode *Hymenolepis cariosa* from, life history of (Gubertlet) 1919, 6, 35
 changes in blood during cecal coecidiosis (Herrick) 1939, 25 Suppl, 34
 coecidiosis in (Shilling) 1926, 12, 179
 common infusion flagellate occurring in cecal contents of (Urbe) 1921, 8, 58
 comparative resistance of six breeds to *A. lineata* (Ackert et al) 1933, 20, 127
 confined and non-confined, incidence of worm parasites in (Cuvillier and Jones) 1933, 19, 254
 cultures of *Pentatrithionas* sp. in vitro from livers of (Allen) 1938, 24 Suppl, 13
 development of adult trichinae in chick and rat embryos (McCoy) 1934, 20, 333
Heterakis papillosa in (Trinbe) 1922, 8, 167
 its resistance to *Finaria tenella* (Herrick) 1934, 20, 329
 does yeast affect growth and infectivity of *A. lineata* in? (Beach and Ackert) 1932, 19, 121
 effect of *A. lineata* on (Ackert and Herrick) 1928, 15, 1
 coecidiosis upon weights of (Mayhew) 1931, 18, 125
Finaria upon egg production of (Johnson) 1931, 18, 122
 helminthiasis on resistance to parasitism (Ackert and Jones) 1928, 15, 135
 infection with *Dacynina proglottina* on weights of growing (Levine) 1938, 24, 550
Railletia cestifluis on (Ackert and Case) 1938, 24 Suppl, 14
 repeated bleeding upon resistance to parasitism (Ackert) 1926, 12, 163
 periodic bleeding on resistance to *A. lineata* (Ackert and Porter) 1931, 18, 114
 experimental lesions caused by *Trichomonas columbae* (Gabalton and Andrews) 1935, 21, 451
 gapeworms in (Ransom) 1920, 6, 200
Gonylenca inghricola and *Capillaria stramonii*, in crop of (Wharton) 1918, 5, 25
 immunity to coecidiosis produced through ration (Johnson) 1932, 19, 160
 infection with *Capillaria columbae* (Levine) 1938, 24, 45
 karnala, satisfactory anthelmintic for tapeworms in (Hall and Shilling) 1926, 12, 166
 life history of *Chaetanema fundulum*, (Horsfall and Jones) 1937, 23, 435
Tetrameres americana, spirurid of proventriculus of (Cram) 1929, 15, 292
 loss of experimentally produced infestation of tapeworms in (Jones) 1931, 17, 233
 pathogenicity of *Eimeria mitis* to 3-month-old (Allen) 1933, 20, 73
 persistence of immunity to *Eimeria tenella* (Herrick) 1935, 21, 429
 physiological effects of coccidia on (Herrick) 1933, 20, 123
 prairie, variation in *Railletia (Skryabinia)* from (Leigh) 1939, 25 Suppl, 10
 preliminary results in treatment of coecidiosis with powdered buttermilk (Mayhew) 1931, 18, 125
 protective action of immune serum against *Plasmodium lophurae* in (Taliaferro) 1939, 25 Suppl, 29
 protozoa from other animals in ceca of parasite-free (Hegner) 1935, 21, 59
 ration and mortality from cecal coecidiosis in (Becker and Waters) 1938, 24 Suppl, 15
 resistance to *Ascaridia perspicillium*, vitamin B, factor in (Zimmerman et al) 1926, 12, 164
 snail from crop of (Hall) 1923, 9, 239
 species of *Strongyloides* from ceca of (Cram) 1929, 15, 292
Railletia cestifluis (Luttenmoser) 1938, 24 Suppl, 14
 vitamin D and resistance to parasitism (Ackert and Spindler) 1927, 14, 133
 white leghorn, resistance to *A. lineata* (Ackert and Eisenbrandt) 1933, 20, 129
 minorra, resistant and susceptible strains of, to *A. lineata* (Ackert and Winmoth) 1934, 20, 323
Chicks, infestation and preparent period of *Eimeria arium* in (Young) 1928, 14, 201
 starch diets and infections with *Endamoeba histolytica* (Hegner) 1933, 20, 57
Chimpanzee, *Balanitium* and *Trogloodyctyla* from (Nelson) 1932, 18, 307
 cultivation of *Balanitium* of, in fecal extract of (Acliley) 1933, 20, 144
Trogloodyctyla abrossari, ciliate of (Swezey) 1935, 21, 10
 intestinal amoebae and flagellates from (Hegner and Schunacker) 1928, 15, 31
Iodamoeba in (Schunacker) 1928, 14, 202
 protozoa from intestine of (Hegner) 1933, 20, 143
Trogloodyctyla abrossari and *T. a. acuminata*, intestinal ciliates of, transmission from one type to other (Swezey) 1932, 18, 12
Ciscoes, of Trout Lake region of northern Wisconsin, non-specific immunity between two parasites of (Cross) 1934, 20, 214
Civet (*Bassaris ussurus flavus*) new host for *Trichinella levis* (Price) 1928, 14, 197
Clonostys marmorata, new species of *Telorchis* from (Ingles) 1930, 17, 101
Cockroach(es), African, larvae of *Montiliformis montiliformis*, found in (Southwell) 1922, 9, 99
 amoeba of, cultivated by Smith and Barre (Taliaferro) 1928, 14, 274
 as carriers of *Giardia cystis* (Young) 1937, 23, 102
Blattella germanica, as inter-

- _____, vitamin A deficient diet on development of *Toxocara canis* in (Wright) 1933, 20, 79
- _____, intestinal worms of, in Philippines (Wharton) 1917, 4, 80
- _____, intrauterine infestation with hookworms (Hall) 1924, 10, 209
- _____, iso-amyl-ortho-cresol for removal of worms from (Jerstad) 1938, 24 Suppl, 34
- _____, *Lingulata* in nostrils of (Butler) 1924, 11, 94
- _____, migration of *Belascaris miryngina* larvae and their presence in newly born pups (Stillinger) 1923, 9, 245
- _____, natural infection with *Strongyloides* in (Augustine and Laver) 1939, 25, 117
- _____, new case of *Dictyophyma remale* free in abdominal cavity of (Stiles) 1925, 12, 107
- _____, cestode reared in (Christenson) 1929, 16, 49
- _____, *Diphyllobothrium* in (Wiggdor) 1921, 7, 186
- _____, New Orleans, helminthological survey of (Baker and Hinman) 1935, 21, 427
- _____, of Dallas, Texas, *Ancylostoma braziliense* and *A. caninum* in; nine cases of creeping eruption in Dallas during summer (Dove) 1928, 14, 199
- _____, periodicity of *Dirofilaria immitis* larvae in peripheral blood of (Underwood and Wright) 1933, 20, 113
- _____, Philippine, comparative scarcity of *Trichuris* in (Schwartz) 1924, 11, 93
- _____, prairie, new species of coccidia from (Andrews) 1928, 14, 193
- _____, prenatal hookworm infection of, further observations on (Foster) 1935, 21, 302
- _____, production of artificial immunity in, against *Echinococcus granulosus* (Turner et al) 1936, 22, 14
- _____, relation of vitamin A-deficiency to ascariasis in (Wright) 1935, 21, 433
- _____, salmon-poisoning fluke of, *Nanophytus salmositica*, contribution to life history of (Smith) 1930, 17, 57
- _____, schistosome dermatitis in (Herber) 1938, 24, 474
- _____, species of *Diphylidium* in, U.S.A. (Schwartz) 1927, 14, 68
- _____, survival and location of microfilariae of *D. immitis* in (Underwood and Harwood) 1939, 25, 23
- _____, susceptibility to *Ancylostoma caninum*, relation of diet to (Foster and Cort) 1931, 18, 117
- _____, tick, *Dermacentor occidentalis*, as vector of bovine anaplasmosis in California (Herns and Howell) 1935, 21, 444; 1936, 22, 283
- _____, trichomonads from mouth of (Hegner and Ratcliffe) 1927, 14, 51
- _____, *Trichuris vulpis* of, development of eggs of (Spindler) 1929, 16, 41
- _____, types of hookworm disease in (Cort) 1932, 19, 84
- _____, value of Casoni test in (Turner et al) 1935, 21, 180
- _____, with hookworm anemia, iron conservation and utilization by (Cross) 1934, 20, 337
- Doves**, mourning, experimental transmission of unusual *Haemaphysalis* of (Huff) 1931, 18, 122
- _____, *Haemaphysalis sacharovi* in (Coatney and West) 1938, 24 Suppl, 21
- _____, *Ornithodorosyllis quadriradiatus* in (Wehr) 1930, 16, 167
- _____, strain of *Plasmodium relicium* from (Coatney) 1937, 23, 556
- Dragonfly** naiads as second intermediate hosts of *Alloglossidium cotti* (Crawford) 1937, 23, 389
- Drosophila*, flies of genus as possible disease carriers (Sturtevant) 1918, 5, 84
- Duck(s)**, common black, (*Anas rubripes tritris*), *Haemaphysalis* sp. from (Hernan) 1938, 24, 53
- _____, development of *Cercaria burri* in (Willey and Rabnowitz) 1938, 24 Suppl, 30
- _____, domestic, species of *Cephalogomons* from (Alvey) 1932, 19, 174
- _____, *Sarcocystis rileyi* from (Hall) 1925, 11, 217
- _____, from North Carolina, *Typhloechin flacum* from (Chapin) 1924, 10, 208
- _____, incidence, pathogenicity and transmission of *Leucocytozoon anatis* of (O'Roke) 1930, 17, 112
- _____, larval tapeworms in gizzard of (Cram) 1926, 12, 178
- _____, lesser scarp, *Rasquinella kofoidi* new nematode from (Williams) 1937, 23, 306
- _____, mallard, *Sarcocystis rileyi* in (Reardon) 1931, 18, 46
- _____, second record of cestodes from under gizzard lining of (Jones) 1931, 18, 46
- _____, *Tetrarctes crami*, nematode of, morphological and biological studies on (Swales) 1936, 22, 528
- _____, wild, losses among due to *Sphaeridiotrema* spp., trematode (Price) 1929, 16, 103
- _____, new larval cestode, probably *Hymenolepis cinctata*, of (Essex) 1932, 18, 291
- Earthworms**, *Zygoecystis cometa*, gregarine of (Mickel) 1925, 11, 135
- Echinoderm** parasites, summary of (Ward) 1933, 19, 262
- Eels**, marine, *Hexamita* found in reproductive systems of *Leptorhynchus feta*, trematode, from (Hunninen and Wichtermann) 1936, 22, 540; 1938, 24, 95
- _____, sand, (*Ammodytes lanceolatus*), *Glugra microspora*, new microsporidian from (Van den Bergh) 1939, 25 Suppl, 21
- Elk**, (*Cervus canadensis*), *Sarcocystis* from heart of (Schwartz) 1928, 14, 198
- Ephemerid** nymphs, microsporidia of (Kudo) 1923, 10, 22
- Equine(s)** (see also horse(s))
- _____, encephalomyelitis in western Montana in 1936, implications of arthropod transmission (Phillip and Cox) 1936, 22, 542
- _____, gross infestation with *Trichonema* in two (Wright) 1931, 18, 44
- _____, in Panama, further report on parasites of (Foster and Ortiz) 1937, 23, 360
- _____, quantitative study of nematodes from (Foster) 1936, 22, 479
- _____, occurrence of *Trichostrongylus axei* in (Foster) 1937, 23, 573
- _____, parasites of, critical tests of butyridene chloride for (Wright et al) 1930, 17, 117
- _____, from Puerto Rico (McIntosh) 1933, 20, 110
- _____, in Panama Canal Zone (Foster) 1936, 22, 528
- _____, relationship between age of host and number of strongylid parasites (Foster) 1936, 22, 532
- Esox reticulatus**, new species of *Cylochacta* from ureters and urinary bladder of (Muehler) 1931, 18, 126
- Eye**, specimen of female *Thelazia calipacata* from (Barlow) 1921, 8, 94
- _____, *Felis leo*, *Ancylostoma diadema* from (Schwartz) 1927, 14, 55
- _____, *tigrina*, *Ancylostoma pluridatum*, from (Chapin) 1925, 12, 113
- Firebrat**, (*Thermobia domestica*), two new species of gregarine from (Adams and Travis) 1935, 21, 56
- Fish(es)**, American, Acanthocephala of subfamily Rhadinorhynchinae from (Van Cleave) 1918, 5, 17
- _____, bothrioccephalid cestodes from, morphological study of (Cooper) 1917, 4, 33
- _____, buffalo, (*Lichinus*), life history and morphology of new trematode, *Lissorthis fairporti* from (Magath) 1917, 4, 58
- _____, Californian, myxosporidia from (Janesson) 1929, 16, 59
- _____, Canadian, effects of invasion by myxosporidia (Fantham and Porter) 1937, 23, 565
- _____, maturation and hatching of eggs of cestode, *Triacnophorus crassus* from (Eckbaum) 1937, 23, 293
- _____, *Cupillaria* infection in (Aloorthy) 1938, 24, 375
- _____, Caribbean, (*Gobionomus maculatus*), *Carrerasia collare* n. g., n. sp., nomena of (Cobb) 1929, 15, 287
- _____, changes in generic position of certain nematode parasites of, formerly placed in genus *Filaria* (Chitwood) 1933, 20, 104
- _____, channel cat, (*Ictalurus punctatus*), *Megalogonia taylori*, new trematode from (Sutber) 1928, 14, 269
- _____, control of external fluke parasites on (Hess) 1930, 16, 131
- _____, catlax, (*Trichinurus lephurus*), *Sterrhurus* sp., hemiurid from kills of (Nigrelli and Stunkard) 1933, 20, 136
- _____, *Cystidicola canadensis*, new nematode from (Skinker) 1930, 16, 167
- _____, (*Doitca argyrozoona*), natural occurrence of herpetomonads (leptomonads) in blood of (Fantham and Porter) 1920, 7, 16
- _____, ectoparasitic infusoria from (Guberlet) 1926, 12, 163
- _____, effects of parasite on (Habbs) 1927, 14, 75
- _____, experimental studies on bass tapeworm, *Protylophidus ambloplitis* (Hunter and Hunter) 1928, 15, 139
- _____, study on two trematodes of *Hammaradnum* (McCoy) 1930, 17, 1

- freshwater, life cycle notes on two species of Acanthocephala from (Van Cleave) 1920, 6, 167
- Mascarees cepedianum*, new monogenetic trematode from (Kimpel) 1938, 24 Suppl. 24
- nematodes from (Ward and Magath) 1916, 3, 57
- of Japan, myxosporidia found in (Kudo) 1916, 3, 3
- Parasitic in (Kudo) New York, protozoa 1921, 7, 166
- two genera of ectoparasitic trematodes from (Van Cleave) 1921, 8, 33
- from Illinois, new and known myxosporidia of (Meglitsch) 1937, 23, 467
- Puget Sound, ectoparasitic trematodes of (Gubertler) 1934, 20, 324
- Heterophyidae from (Mueller) 1933, 20, 137
- Hudson river drainage system, *Myxosoma grandis* in (Bond) 1937, 23, 231
- intermediate host, experimental study of behavior of *Cercaria floridensis* in relation to (Miller and McCoy) 1930, 16, 185
- life cycle of *Leptorhynchoides thecatus* acanthocephalan of (De Gust) 1939, 25, 180
- yellow grub, *Chinostomum marginatum*, of (Hunter and Hunter) 1934, 20, 325
- history of *Plagiobornus leporis* from (Dobrovolsky) 1939, 25, 461
- Macrodierdes typhicus* and *Allotroglossium corti*, life histories and classification of two allocreadid-like plagiorechids from (McMullen) 1935, 21, 369
- marine, effect of fish mucus on *Epididima mellei*, monogenetic trematode of (Nigrelli) 1935, 21, 438
- experiments on control of *E. mellei*, (Nigrelli) 1935, 21, 438
- of Departure Bay, B. C., endoparasitic trematodes from (McFarlane) 1935, 21, 434
- susceptibility and immunity to *E. mellei* (Nigrelli and Breder) 1933, 20, 136; 1934, 20, 259
- trematodes of Maine (Mantel) 1925, 12, 11
- mullet (*Mugil dobula*) parasitic bodies in (Cleland) 1916, 6, 102
- North American, fresh-water leeches, (Piscicolidae) living on (Meyer) 1939, 25 Suppl. 11
- linguatulid parasite from (Holl) 1928, 15, 63
- peculiarities in occurrence of gyrodactylid trematodes on (Mueller) 1936, 22, 545
- of Cayuga Lake, new nematodes common in (Wigdor) 1918, 5, 29
- China, Acanthocephala from (Van Cleave) 1927, 13, 217
- Galapagos Islands, digenetic trematodes of, and their relationships (Munter) 1939, 25 Suppl. 25
- genus *Esor*, myxosporidia from (Bond) 1939, 25, 377
- Lake Erie, new Cestoda and Nematoda from (Hunter and Bangham) 1933, 19, 304
- North America, systematic position of some trematodes from (Van Cleave and Mueller) 1931, 18, 132
- Puget Sound, digenetic trematodes from (Lloyd) 1938, 24, 103
- Woods Hole, myxosporidia from (Kudo) 1918, 5, 11
- paramphistome from (Holl) 1929, 16, 35
- parasites as a limiting factor in Ohio hatcheries (Bangham) 1927, 13, 214
- of Trout Lake region of northern Wisconsin, host-parasite relationships of (Cross) 1933, 20, 132
- pathogenicity of metacercariae of *Nanophyetus salmiphicola* for (Stimms) 1932, 19, 160
- penetration of common sunfish by holostome cercaria, *C. mullerchulata* (Hunter) 1936, 22, 542
- perch, effect of parasitism on growth of (Cross) 1933, 21, 267
- prepared foods, nemas in (Cobb) 1924, 10, 211
- quantitative study of experimental infections of trematode in (McCoy) 1929, 16, 101
- salmon and trout, relation of pelicans to, with respect to parasites (Ward) 1923, 9, 243
- sporozoan parasites of Woods Hole (Hahn) 1917, 3, 91; 150; 1917, 4, 13
- sun, host-parasite relationship with *Cercaria hamata* (Todd) 1929, 16, 69

HOST INDEX

- tide pool of California, eight new *Podocotyle* spp. from (Park) 1937, 23, 405
- myxosporidia from (Noble) 1938, 24, 441; Suppl. 31; 1939, 25, 359
- Toxotremia lingua*, adult stage of skin parasite of cunner (Linton) 1915, 1, 128
- tropical, as hosts for metacercariae of *Chinostomum marginatum* (Nigrelli) 1935, 21, 437
- Flea(s), cat, encysted spirurid larvae from (Alfata) 1935, 21, 221
- sand, new infusorian in (Watson) 1916, 2, 145
- Flies, house, and fowl tapeworm transmission (Ackert and Reid) 1936, 22, 543
- morphology and life history of *Herpetomonas muscae-domesticae* in (Becker) 1923, 9, 199
- muscoid, specificity of herpetomonad parasites of (Becker) 1923, 9, 242
- transmission experiments on specificity of *Herpetomonas muscae-domesticae* in (Becker) 1923, 10, 25
- of genus *Drosophila* as possible disease carriers (Suttevanti) 1918, 5, 84
- screw worm, *Chrysomya macellaria* in Panama (Dunn) 1918, 4, 111
- Fontinaria Fontinaria brachygaster* n. sp., parasitic in intestine of (Clifton) 1930, 16, 163
- Fowl(s) (see also chickens, poultry) an abnormal host, behavior of avian malaria in, (Manwell) 1932, 19, 176
- cestode, life cycle of *Dacynema cestricillus* (Ackert) 1918, 5, 41
- common, (*Gallus domesticus*), *Capillaria* infection of lower digestive tract of (Morehouse) 1939, 25 Suppl. 35
- domestic, *Endolimax janisae* n. sp. from (Hegner) 1926, 12, 146
- Gonyolena inghricola* from undilated portion of esophagus (Cram) 1923, 9, 238
- Jimberneck produced by fly larvae (Bishop) 1923, 9, 170
- nematode, *A. lineata*, yeast as factor in growth of (Ackert and Beach) 1931, 18, 113
- parasite-free, transmission of intestinal protozoa from man and other animals to (Hegner) 1928, 15, 138
- tapeworm, life history of *Dacynema tetragona* (Ackert) 1919, 6, 28
- longevity of (Ackert) 1921, 7, 198
- unusual form of scabies in (Wickware) 1921, 8, 90
- Fox, Alaskan, intestinal parasites found in (Hall) 1920, 7, 97
- black, *Sparganum* under skin of, in Wisconsin (Ransom) 1924, 11, 100
- Frog(s), adult green, problem of absence of opalinid infusoria from rumen of (Lleguer) 1931, 17, 232
- amphistome, biology of *Diphidius temperatus* (Herber) 1939, 25, 189
- bladder fluke, *Gorgoderina attenuata*, life cycle of (Rankin) 1938, 24 Suppl. 29
- bull, *Leocotilla quadririberculata* in (Giessen and Warden) 1933, 20, 130
- Carolina tree, (*Hypha carolinensis*), nemas from alimentary tract of (Steiner) 1924, 11, 1
- Chinese, new *Nyctolobus* from (Widtherman) 1933, 20, 122
- cricket, *Cylindrotaenia americana* from (Jewell) 1916, 2, 181
- Cyrtomacha bacterifera* in red blood cells of (Hegner) 1921, 7, 157
- flaria of comparative study of two species of (Casey) 1938, 24 Suppl. 20
- green, observations and experiments on opalinid ciliates of (Hegner) 1932, 18, 274
- opalinid ciliates of (Hegner) 1930, 17, 107
- (*Rana clamitans*), notes on life history of *Halipegus eccentricus* n. sp., found in eels of (Kruhl) 1933, 20, 133
- larval nematodes of (Walton) 1931, 17, 228
- life cycle of fluke, *Halipegus eccentricus* n. sp., found in eels of (Thomas) 1937, 23, 564; 1939, 25, 207
- trematode of (Leigh) 1937, 23, 563
- studies on *Ophitacina siphica* of, (Thomas) 1934, 20, 291
- history of two lung flukes of (Kruhl) 1930, 16, 207
- new blood parasite in (Hegner) 1921, 7, 189
- North American, nematodes of (Walton) 1929, 15, 227
- notes on life history of bladder fluke of (Kruhl) 1933, 20, 134

- , pickerel, (*Rana palustris*), *Lapto-
phyta virgineensis*, protozoan parasite
of (Meyer) 1939, 25, 141
- , *Polynastix bufonis* flagellate from
(Tanabe) 1925, 12, 97
- , race of *Trichomonas gingivae* in
liver abscesses in (Stabler and Penny-
packer) 1936, 22, 541
- , *Trigonomonas diplostomum* n. sp.,
from intestine of (Marx) 1927, 13, 173
- Fundulus heteroclitus*, doubtful relation-
ship of sporozoa to ulcers of (Bond)
1938, 24, 207
- , host specificity of myxospori-
dia of (Bond) 1937, 23, 540
- , microsporidian infection of
(Bond) 1937, 23, 229
- , *Myxobolus muscili* of (Hahn)
1917, 3, 150
- Geese, American, *Hymenolepis ten-
nistris*, apparent cause of losses among
(Cram) 1924, 10, 217
- Giraffe, *Tacina* in liver of (Schwartz)
1928, 15, 67
- Goat(s) as host of *Paragonimus* (Hall)
1925, 11, 227
- , in Beltsville, Md., *Skrjabinia
ocis* from (Dikmans) 1932, 19, 84
- , infected with *Haemonchus contor-
tus*, detection of proteins in sera of
(Stumberg) 1932, 19, 156
- , intradermal tests with *Haemon-
chus* extracts in (Stoll and Nelson)
1930, 17, 116
- , resistance to *Haemonchus contor-
tus* (Stoll) 1931, 17, 235
- Gomphus spicatus*, new intermediate
host for *Prosthogonimus macrorchis*
(Maey) 1939, 25, 281
- Gonibasis rubicunda* from California,
new species of cercaria in (Simsin)
1929, 15, 222
- Gopher, pocket, (*Gomys burroris*),
new coecidia from (Skidmore)
1929, 15, 183
- , (*Thomomys fassoi*), new
host of *Hebertichia hepatica* (Dikmans)
1932, 19, 84
- Grebe, pied-billed, (*Podilymbus podi-
ceps*), *Diastis podilymbae* n. sp. (Ops-
thorichidae) from (Olson)
1938, 24, 215
- , (*_____*), *Tatria thode-
cucantha* new cestode from (Olson)
1939, 25, 495
- Ground-squirrel, striped, *Fimbricia citelli*
n. sp. from (Kartchner and Becker)
1930, 17, 90
- Grouse, of Minnesota, reported killing
of, by parasitic disease (Riley)
1925, 11, 229
- , ruffed, life history of gizzard worm
of (Cram) 1929, 15, 285
- , _____ of Labrador, comparison of
intestinal parasites of, with those of
U.S.A. (Cram) 1931, 18, 48
- , sage, nematode pathogenic to
(Wehr) 1930, 16, 168
- , _____ of western U.S.A., *Chilo-
spira spinosa* as parasite of (Wehr)
1932, 19, 90
- , willow, *Spirochaeta lagopodis* in
blood of (Allen) 1933, 20, 97
- Guinea fowl, new tapeworm from, with
cysticercoids in ground beetle (Jones)
1930, 16, 158
- , hen, (*Nannida melanogalis*), in
Louisiana, *Ascortida nunnidae*, para-
site of (Dikmans) 1931, 17, 230
- Guinea pig(s), as artificial host for
many parasitic nematodes (Ransom)
1923, 9, 242
- , _____ host for *Hymenolepis
nana* (Ransom) 1921, 7, 188
- , _____, *Cephalobus (Necrocephalus)
derrani* n. sp., n. sp., from feces of
(Steiner) 1929, 16, 88
- , _____, *Cyathostomum piriforme*, en-
dozoic ciliate of (Larcs) 1931, 18, 123
- , _____, development of *Ardenna
strongylina* in (Ransom and Raftens-
perger) 1921, 7, 189
- , _____, *Necator americanus*
in (Schwartz and Alicata) 1931, 18, 54
- , _____, swine nodular
worm, *Oesophogastomum dentatum*, in
(Alicata) 1933, 20, 73
- , _____, stomach worm,
Hyostromylius rubidus in (Alicata)
1933, 20, 97
- , _____, effects of extracts of *Monocir-
carpus* on development of experimen-
tal tuberculosis in (Schwartz and
Hartman) 1931, 18, 54
- , _____, *Endelmar cariae* n. sp. from
(Hegner) 1926, 12, 146
- , _____, experimentally infected with
swine lungworms, increase in baso-
philic leucocytes in (Porter)
1937, 23, 73
- , _____, infection with *Strongyloides
ratti* (Sheldon and Otto) 1937, 23, 570
- , _____, intestinal amoebae and flagel-
lates from (Hegner and Schumaker)
1928, 15, 31

HOST INDEX

- , *Paraspidocera uncinata*,
nematode of (Porter and Otto)
1934, 20, 323
- , _____, only meta-
zoan parasite normally
occurring in (Schwartz)
1926, 12, 177
- , *Schistosomium donihiti* in
(Penner) 1939, 25 Suppl, 8
- , _____, starch-charcoal mixture in
cultivation of *Balanitium* from (Tsu-
chida) 1933, 20, 144
- , _____, *Trichomonas* from (Tanabe)
1925, 11, 170
- , _____, viable trypanosomes in sem-
inal fluid of infected (Sharpeles)
1935, 21, 412
- Gull, *Diplostomum ferrugineum*, strigeid
of, larval stages in *Stagnicola ciner-
giata angulata* (Cort et al.)
1939, 25 Suppl, 8
- , herring, (*Larus argentatus*), life
cycle of *Diphyllobothrium* sp. from
(Thomas) 1938, 24 Suppl, 28
- , _____, new species of
Stronga from, with remarks on func-
tion of hold-fast organ (La Rue)
1927, 13, 226
- , _____, resistance to
experimental infections of *Parorchis*
1937, 23, 559
- , _____, life cycle of cestode from
(Thomas) 1939, 25 Suppl, 20
- Hares, biology of 4th-stage larva of
Dermatophyes veligera, oxycyrid of
(Wetzel) 1931, 18, 40
- , _____, of North America, Siphonaptera
infesting (Kohls) 1939, 25 Suppl, 17
- , _____, snow-shoe, *Schistosomium dou-
hiti* in (Penner) 1939, 25 Suppl, 8
- , _____, varying in Alaska, parasites of
(Philip) 1937, 23, 562; 1938, 24, 483
- Hawk, ferruginous roughleg, develop-
ment of two new *Cladocercaria* in
(Scott) 1930, 17, 115
- , _____, (*Buteo regalis*), animal
association involving two species of
tapeworms in prairie dog and (Scott)
1931, 18, 49
- , _____, tapeworm from, which produces
proliferating cysticercus in mice (Pen-
ner) 1938, 24 Suppl, 25
- , _____, *Trichomonas columbae* cause of
death in (Stabler and Slobanski)
1936, 22, 539
- Hedgehog, European, (*Erinaceus euro-
peus*), fleas (*Archaeopsylla erinacei*)
from (Chapin) 1925, 11, 228
- Helisoma campocinctum smithii*, larval
- , trematode infections in, in Douglas
Lake region, Michigan (Cort et al.)
1939, 25, 19
- , _____, new *Cercaria sphaerula*
from, infecting cyclops (Thomas)
1934, 20, 285
- Helix albolaris*, *Cercariaeum nephro-
plexis* n. sp. from (Marin)
1934, 20, 335
- Heron, black crowned night, *Eustrongy-
lides ignotus* from (Cram) 1933, 20, 71
- , _____, *Dsmidocercella nunnida* in, in
U.S.A. (Wehr) 1931, 17, 231
- , _____, experimental studies on *Posthodip-
lostomum minimum*, trematode from,
(Ferguson) 1938, 24 Suppl, 31
- , _____, great blue, *Clinostomum attenu-
tum* from (Alvey and Stunkard)
1932, 19, 174
- Hister (*Carcinops*) *H-strictus*, inter-
mediate host for *Hymenolepis cincta*
(Jones) 1929, 15, 224
- Hog(s) (see also pigs, swine)
—, _____, domestic, unusual
parasites of 1921, 7, 190
- , _____, intestinal protozoa of young, and
attempts to produce infection with
human strain of *E. histolytica* (Erve
and Meleary) 1933, 20, 135
- , _____, kidney worm ova in urinary tract
of (Nighbert) 1930, 16, 167
- , _____, oesophagostomiasis in (Nighbert)
1930, 17, 57
- , _____, resistance to *Trichinella spiralis*
(Dachman and Rodriguez-Alonja)
1932, 19, 159
- , _____, thorny-headed worm of, artificial
hatching of eggs of (Mantner)
1927, 13, 223
- Honeybee, infection with *Nosema apis*
(Herrig) 1923, 9, 109
- Horse(s) (see also equines)
—, _____, ascariasis in (Hadwren)
1925, 12, 1
- , _____, ascariids and tapeworms in, in
Montana (Wehr) 1931, 18, 54
- , _____, bot larvae in tongue of (Wehr)
1932, 18, 304
- , _____, case of heavy ascariid infestation in
colt (Underwood and Wehr)
1933, 19, 251
- , _____, effect of *N-hutyridene chloride* on
colts infested with ascariids (Under-
wood) 1933, 20, 77
- , _____, first-stage larvae of *Gastrophilus
infectivus* in tongues of (Knubling)
1934, 20, 196

- Hyodermatitis myiasis* in (Baker and Monlux) 1939, 25 Suppl, 16
 —, infectious anemia in (Scott) 1931, 18, 50
 —, insect transmission of infectious anemia of (Howard) 1917, 4, 70
 —, mature, collection of *Gastrophilus incheudis* in pupal stage from (Chapin) 1921, 8, 95
 —, nematode, *Setaria*, parasitic in eyes of (Schwartz) 1927, 13, 222
 —, new genus *Cylicostomus*, and other genera of cyclostomes of (Cran) 1925, 11, 229
 —, Philippine absence of bots, *Gastrophilus*, in (Schwartz) 1924, 11, 93
 —, protozoan fauna of large intestine of (Hsiung) 1929, 16, 99
 —, strongyles, new records (Cran) 1922, 9, 49; 1924, 11, 91
 —, differentiation of infective 3rd-stage larvae of (Wehr) 1932, 19, 91
Hyla versicolor, *Polystoma integririmum nearticum* n. subsp. from (Faul) 1935, 21, 442
Hiphantia cinnia, fall webworm, development of *Nasema bombycitis* in (Kudo and De Coursey) 1939, 23 Suppl, 17
Iguana, rhinoceros, (*Cyclura cornuta*), exuvians from (Price) 1927, 14, 65
Insects, aquatic, platyhelminia, in (Stafford) 1931, 18, 131
 —, as possible hosts of *Sarcocystis tricola* (Scott) 1920, 7, 99
 —, infested by species of *Alemania*, group of very remarkable nemas (Cobb) 1926, 13, 66
 —, is *Sarcocystis tenella* aberrant form of one of *Cnidosporida* o? (Scott) 1920, 6, 157
 —, larval nemas from (Christie) 1928, 15, 127; 1930, 16, 250
 —, natural flagellates of, significance in evolution of disease in vertebrates (Fausthan and Porter) 1916, 2, 149
 —, Platyhelminthes in (Stafford) 1927, 14, 123
Isadora contorta, as intermediate host of *Schistosoma* in Africa (Bartsch) 1923, 9, 246
Kakatoe sulphurea, a dirocoelid, *Dicrocoelium prosthilicentis* n. sp., from (Canavan) 1937, 23, 478
Kangaroo, coccidiosis in (Yakhinoff and Matschoulsky) 1936, 22, 514
Leeches, development of *Cercaria borri* in (Willey and Kabnovitz) 1938, 24 Suppl, 30
Lemur, African, species of *Ancylostoma*, closely related to *A. diadactyli*, in (Van den Bergh) 1936, 22, 224
 —, flying, nematodes from, in Philippine Islands (Chu) 1931, 17, 155
Leponia symmetrichis, new species of Tetraonchidae from (Summers) 1937, 23, 432
Lion, eggs of *Toxascaris* from dog and from (Taylor) 1927, 14, 71
Lizards, Californian, intestinal protozoa of (Wood) 1935, 21, 165
 —, (*Leiophisina laterale*), effect of soil types on helminths of (Harwood) 1932, 19, 163
 —, parasitism by *Trachosyrinx californicus* (Jellison) 1934, 20, 243
Lotia maculosa, new species of *Haplomena* from stomach of (Moulton) 1931, 18, 105
 —, *vulgaris*, burbot "eel", acanthocephala of (Ward) 1935, 21, 441
Louse, porcupine, infesting monkey (Fenstermacher and Jellison) 1932, 18, 294
Lucilia caesar, new flagellate from intestine of (Glaser) 1930, 16, 137
 —, *sericata*, cultivation of *Herpetomonas muscarum* from (Drohlar) 1926, 12, 183
Lyur canadensis, a genus and species of nematode from (Chitwood) 1933, 20, 63
Mackerel, amphids in nema of (Cobb) 1929, 15, 285
 —, degenerating cestode cysts in (Linton) 1923, 9, 176
Mahogany tree, *Tylenchus mnhogoni* connected with disease of (Cobb) 1920, 6, 188
Mallard, (*Anas platyrhynchos*), nematodes from gizzard of (Wetzel) 1931, 17, 235
 —, *Primvoria fasciolaris* as parasite of, in U.S.A. (Wehr) 1930, 16, 167
Mammals, California, haematozoa in (Wood and Wood) 1937, 23, 197
 —, host-parasite specificity in coccidia of (Andrews) 1927, 13, 183
 —, life histories of three trematodes, *Plagiorchis* spp., of (McMullan) 1937, 23, 235
 —, stomach spirrochete occurring in (Kasai and Kobayashi) 1919, 6, 1
Man, abnormal *Cysticercus cellulosae* from brain of (Huff and Bucy) 1936, 22, 110
 —, *Agamofilaria eiseni* Ward, 1918, from (Stiles and Baker) 1926, 12, 177
 —, allergic reactions of, to schistosome infestation (Hoffman) 1931, 17, 236
 —, American anopheline mosquitoes in relation to transmission of malaria (Root) 1928, 15, 144
 —, amebae infection of, in presence of carrier (Butler) 1922, 9, 41
 —, ambiasis of, unsolved problems in parasitology of (Craig) 1936, 22, 1
 —, amoeba of, new type observed in North China (Faust) 1923, 9, 221
 —, variations in single race producing eight-nucleated cysts (Stabler) 1931, 18, 131
 —, amoebae from (Freeman) 1929, 16, 1
 —, value of cultural methods in surveys of (Craig and St. John) 1927, 13, 225
 —, amoebiasis and balantidiasis in (Ratcliffe) 1930, 17, 113
 —, of, complement fixation test for (Tsuchiya) 1932, 19, 161
 —, in Panama (Hegner) 1931, 18, 120; 1932, 18, 153
 —, in rats with cysts of human carriers (Tsuchiya) 1936, 22, 540
Ancylostoma braziliense and *A. caninum* in dogs of Dallas, Texas; nine cases of creeping eruption in Dallas during summer (Dove) 1928, 14, 199
 —, as parasite of, in Philippines (Manalang) 1924, 11, 90
 —, biology and relation to creeping eruption in (Dove) 1927, 14, 121
 —, in, in Philippines (Darling) 1923, 9, 234
 —, second case from Texas (Price) 1927, 14, 59
 —, *dirocoelid* infestation, nearly pure in native South American Indians and ethnological significance (Soper) 1927, 13, 226
 —, antelmintic "raigan" for taeniasis in (Hyeda and Terada) 1939, 25, 183
 —, appendicitis, pneumonia, and infection with *ascaris* or hookworms and confused (Stiles) 1924, 11, 100
 —, ascariasis in, importance of (Stiles) 1921, 8, 94
 —, ascariids, biological relationships (Schwartz) 1920, 6, 1
 —, *Ascaris* and *Trichuris* in, southern U.S.A. (Otto) 1931, 18, 127; 1932, 18, 21
 —, as household infective (Brown) 1927, 13, 26
 —, eggs of, passage through animals (Otto) 1931, 17, 22
 —, fluids toxic to (Ransom) 1922, 9, 4
 —, *lumbrioides*, development of (Yoshida) 1919, 5, 10
 —, in Guam school children (Butler) 1924, 11, 10
 —, recent discoveries concerning life history (Ransom and Foster) 1919, 5, 9
 —, unfertilized eggs of (Otto) 1932, 18, 266
 —, of, in China (Cort) 1930, 17, 52
 —, relation to pot-belly (Brown) 1927, 14, 72
 —, asthma and hookworm disease of, in Trinidad (Cort) 1922, 9, 43
 —, in Guam may be associated with ascariasis (Butler) 1922, 9, 43
 —, average egg count per gram per female hookworm of, in Ceylon (Sweet) 1925, 12, 39
 —, balantidiasis of (Young) 1938, 24 Suppl, 8
Balanitium coli dysentery of (Nason) 1919, 5, 137
 —, blood of man and of canary, effects on egg-production of *Citriciphys (Woek)* 1937, 23, 311
 —, picture in children in Louisiana with *Trichuris trichiura* (Otto) 1933, 20, 142
Bothrioccephalus liguloides Leuckart, of (Yoshida) 1917, 3, 171
 —, chemical change in red blood corpuscles of, parasitized by plasmodia as shown by Golgi's gold chloride staining method (Hartman) 1927, 13, 216
Chilomastix intestinalis Kuzniski of (Leva) 1921, 8, 49
 —, ciliated parasites of (Jais) 1937, 23, 535
 —, clinical survey of Vincent's angina of (Duggan) 1935, 21, 430
 —, *Clonorchis sinensis* and *C. endemicus* of, size differences in (Cort) 1924, 10, 208
 —, coccidia, notes on two reported from (Kessel) 1933, 20, 144

- Man (Cont.)
 —, comparative efficiency of various techniques for diagnosis (Faust et al) 1938, 24 Suppl. 8; 1939, 25, 241
 —, morphology of sporozites of *Plasmodium* of (Boyd) 1935, 21, 255
 —, control of hookworm disease in U.S.A. under present conditions (Stiles) 1931, 18, 131; 1932, 18, 169
 —, *Concilimania laffewi* not new amoeba (Gunn) 1922, 9, 24
 —, of, Dr. Gunn's difficulties with (Kofoid and Swezy) 1924, 10, 153
 —, creeping disease (gnathostomiasis) of, new cases, and infection in reservoir hosts in China area (Morisita and Faust) 1925, 11, 158
 —, eruption of (Kirby-Smith et al) 1927, 14, 121
 —, 1927, 14, 58; 122; 1929, 15, 218
 —, causation of (Dove and White) 1927, 13, 221
 —, cutaneous myiasis of, with notes on larvae of *Hyllihrithia cigili* (Walker) 1922, 9, 1
 —, cysticerci of carnivore tapeworms, experimentally ingested by (Hall) 1914, 1, 42
 —, *Cysticercus cellulose* from (Skinker) 1932, 19, 84
 —, brain of (Stiles and Nolan) 1928, 15, 70
 —, danger to children from playing in hog lots (Ransom) 1921, 8, 95
 —, *Dermatobia hominis* in, case from South America (Stiles and Speer) 1925, 11, 228
 —, detection and incidence of intestinal protozoa in, by the sigmoidoscope in (Andrews) 1927, 13, 221
 —, of intestinal protozoan infections of, by cultivation (Becker) 1926, 12, 219
 —, diagnosis and epidemiology of trichinosis in Maryland family (Otto) 1936, 22, 530
 —, treatment of intestinal parasitism of, by intra-intestinal thermal method (de Rivas) 1936, 22, 531
 —, of ascariasis of, by X-rays (Pfander) 1925, 11, 223
 —, intestinal protozoa of, from purged and normally passed stools (Andrews) 1934, 20, 253
 —, *Diphyllocephalus latus* case from (Wayson) 1923, 9, 244
 —, fish tapeworm of, longevity of (Riley) 1919, 5, 193
 —, *taeniodes* of (Leont) 1920, 7, 43
 —, *Dicliamoeba fragilis* of, variations in and suggestion as to its pathogenicity (Warrick) 1937, 23, 183
 —, difference between specimens of *F. buski* from child and adult (Barlow) 1921, 7, 199
 —, dihydranol (2-4 dihydroxy-phenyl-n-hepane) in treatment of intestinal protozoa of (Rachliffe) 1930, 17, 113
 —, *Diphyllobothrium corlickei*, non-intellectivity of pleurocercoids for (Woolbury) 1935, 21, 315
 —, in Far East, morphological and experimental studies on (Faust) 1928, 15, 137
 —, *latum* in Minnesota (Riley) 1924, 10, 188; 1924, 11, 101
 —, taxonomic status of (Wardle) 1937, 23, 537
 —, from, new cases (Stiles) 1921, 7, 200; 1925, 11, 217
 —, *mansonioides*, life history in relation to, with consideration of sparganosis in U.S.A. (Muellet) 1937, 23, 536
 —, diplopods from alimentary tract of (Chamberlin) 1923, 10, 95
 —, Diptera from intestine of (Brookover) 1917, 3, 141
 —, *Diphylidium* in, first case from Porto Rico (Hoffman) 1929, 15, 223
 —, new case (Schwartz) 1929, 15, 223
 —, third American case (Ransom) 1915, 2, 93
 —, echinococcus infection in Louisiana in (Savitz) 1938, 24, 437
 —, *Echinostoma perfoliatum* var. *ipponicum* from (Cort) 1921, 7, 196
 —, echinostomes of, infection with (Cintre) 1920, 6, 173
 —, effect of bite of wheel-bug, *Atrihis cristatus*, on child (Hall) 1924, 11, 94
 —, egg counts in hookworm infestations of, measure severity of disease, additional evidence (Stoll) 1925, 12, 115
 —, isolation technique in epidemiological studies on ascariasis in Virginia in (Spindler) 1928, 15, 147
 —, laying habit of guinea-worm of (Leiper) 1921, 8, 92
 —, output determination of persons harboring hookworms (Stoll) 1925, 12, 105
 —, production of *A. lumbricoides* of (Brown and Cort) 1927, 14, 88
 —, worm correlations in cases of *Fasciolopsis buski*, of (Stoll et al) 1927, 13, 166; 226
 —, eggs of *Utricularius yokogawae* confused with eggs of *Clonorchis sinensis* of (Cort) 1921, 7, 187
 —, rare nematode of, from Panama (Faust and Martinez) 1935, 21, 332
 —, *Embonomonas sinensis* Faust and Wassel, 1921, of (Faust) 1922, 9, 33
 —, *Endamoeba buccalis* of, I. Its multiplication and periodicity (Nowlin) 1917, 3, 143
 —, II. Its reactions and food-taking (Nowlin) 1917, 4, 21
 —, *gingivalis* among insane (Stiles et al) 1924, 11, 97
 —, and pyorrhoea alveolaris of (Stiles) 1920, 6, 198
 —, parasite of oral endamebiasis of (Smith and Barrett) 1915, 1, 159
 —, (Gros) and *Endamoeba histolytica* Schaudinn of (Smith and Barrett) 1915, 2, 54
 —, *histolytica* and other intestinal protozoa in Tennessee (Meleney) 1930, 16, 146
 —, complement fixation in diagnosis (Craig) 1927, 14, 126
 —, development outside of body of, and excystation in monkeys (Hegner) 1932, 18, 308
 —, in rural community (Meleney and Alfham) 1930, 17, 111
 —, *Endolimax nana* of, presence of peripheral chromatin in (Stabler) 1932, 18, 278
 —, *Enterobius* infection of, comparative efficiency of examinations for (Savitz et al) 1938, 24 Suppl. 9
 —, epidemiology of ascariasis of (Cort) 1931, 17, 121
 —, hookworm disease in China (Cort) 1925, 12, 107
 —, in Palestine (Scott) 1933, 20, 146
 —, in Egypt (Scott) 1935, 21, 430
 —, ascariasis in metropolitan New Orleans (Headlee) 1935, 21, 427
 —, errors present in reports of parasites of (Stiles) 1924, 11, 110
 —, *Embryophium itocannum*, intestinal fluke of, life history of (Tabanenti) 1932, 19, 166
 —, examination of 157 individuals for amebae (Boeck) 1921, 7, 187
 —, excystation in rat of *Giardia lamblia* of (Hegner) 1927, 13, 226
 —, of *Toxamoeba williamsi* of, in vitro and in vivo (Smith) 1927, 13, 221; 1927, 14, 61
 —, *fiavola* in throat of American living in Haiti (Hoffman) 1926, 13, 83
 —, fasciolopsiniasis of (Barlow) 1921, 7, 200; 1921, 8, 40
 —, *Fasciolopsis buski* of, as seen in Shaoning, China (Goddard) 1919, 5, 141
 —, development of (Nakagawa) 1922, 8, 161
 —, in Philippines (Schwartz) 1924, 11, 93
 —, feces survey in Peloponnesian vilage (Foy and Koudl) 1935, 21, 451
 —, flies of genus *Drosophila* as possible disease carriers to (Sturtevant) 1918, 5, 84
 —, fly larvae, *Sarcophaga*, from case of cutaneous myiasis of, in Venezuela (Schwartz) 1929, 15, 220
 —, fluke of, from Japan (Cort) 1921, 7, 186
 —, frankoesia of, use of 606 against, in Philippines (Molloy) 1924, 10, 211
 —, gamasid mite annoying to (Ewing) 1920, 6, 195
 —, geographic distribution of *Diphyllobothrium latum* of (Alagath) 1937, 23, 535
 —, *Giardia*, case heavily infested with (Hoffman) 1929, 15, 290
 —, *vitriaria* correct name for *Giardia* of (Corradetti) 1935, 21, 310
 —, *lanthia*, variabilities in cysts under normal conditions (Tsuchiya) 1930, 17, 116
 —, *Gonyolentema* in role of parasite of (Ward) 1916, 2, 119
 —, new case from (Ransom) 1923, 9, 244
 —, second and third cases from (Stiles) 1920, 6, 200; 1921, 7, 197
 —, *scribneri* in relation to cancer of (Stiles and Baker) 1927, 14, 67

- Man (Cont.)
- _____, *Garrhis aquaticus* in infant doubtful case (Reardon) 1928, 75, 68
- _____, heartworm infection of, from New Orleans (Faust) 1939, 25 Suppl, 32
- _____, helminth infection of, observed in South Rhodesia, Africa (Merrill) 1929, 15, 217
- _____, infections among natives of South Africa (Sandground) 1927, 14, 63
- _____, parasites of, occurring in Texas, 1919-1926 (Price) 1928, 14, 200
- _____, helminthological fauna of, in Philippines (Schwartz) 1924, 11, 100
- _____, findings of Yucatan medical expedition (Sandground) 1930, 16, 165
- _____, hemotoxins of intestinal parasites of (Leidy) 1924, 10, 147
- _____, hepatic distomosis of, in Cuba (Kouri and Basnuevo) 1939, 25 Suppl, 35
- _____, *Heterophyes katzenbadi*, new trematode of (Ozaki and Asada) 1926, 12, 216
- _____, hexylresorcinol for, clinical experiments with (Brown) 1931, 18, 116
- _____, in treatment of ascaris, hookworm and trichuris cases of, egg counted before and after treatment (Brown) 1930, 17, 106
- _____, histoplasmosis of Darling, with report of case originating in Minnesota (Riley and Watson) 1926, 12, 166
- _____, hookworm and ascaris in Kentucky (Otto) 1930, 17, 112; 1931, 18, 51
- _____, other intestinal nematodes, prevalence in adult Filipinos (Schwartz and Tubangui) 1922, 9, 83
- _____, control in U.S.A. (Stiles) 1931, 18, 131
- _____, disease, variations in (Cort) 1932, 19, 142
- _____, egg count, relation to number of worms present in (Stoll) 1923, 9, 246
- _____, eggs from infants (Payne) 1923, 9, 245
- _____, in given sample of feces of, method for determination of number (Stoll) 1923, 9, 236
- _____, in hillside residents (Darling) 1922, 9, 35
- _____, infestation and hookworm disease in Egypt (Scott) 1936, 22, 530
- _____, in Panama, factors of race and nutrition in determining effects on (Cort) 1927, 14, 67
- _____, (malaria) campaign in our southern U.S.A., early history (Stiles) 1939, 25, 283
- _____, hookworms and tuberculosis in (Stiles) 1921, 7, 195
- _____, of, attempts to establish in white rats (Hung) 1925, 12, 113
- _____, notes on (Ransom) 1921, 8, 96
- _____, rate of loss in absence of reinestation (Caldwell and Caldwell) 1930, 17, 106; 1931, 17, 209
- _____, rates of loss and accumulation of (Chandler) 1928, 15, 136
- _____, human excreta containing eggs of hookworms and of *Ascaris*, distinction of (Stiles) 1925, 13, 47
- _____, parasitism in middle north (Brooks) 1937, 23, 104
- _____, hydatid disease of, antigen for (Dennis) 1937, 23, 62
- _____, *Hymenolepis diminuta* in (Riley and Shannon) 1922, 8, 109
- _____, new record of (Schwartz) 1921, 7, 186
- _____, fat tapeworm, eight cases in (Keller) 1931, 18, 108
- _____, three cases in (Stiles) 1921, 7, 188
- _____, two cases in Georgia children (Sellers) 1925, 11, 219
- _____, dwarf tapeworm of, in southern U.S.A. (Otto) 1935, 21, 443
- _____, large number of cases in South (Cort) 1922, 9, 48
- _____, induced quartan malaria in negro patients. II. Effect of reversal of external conditions upon infection (Young et al) 1939, 25 Suppl, 15
- _____, infection with larval *Trichostrongylus axei* (Faust and Hu) 1927, 14, 134
- _____, ingestion of *Ascaris suum* (Hall) 1915, 1, 155
- _____, larvae of *T. molitor* L., meal worm (Hinman and Faust) 1932, 19, 119
- _____, red blood corpuscles by trichomonads of (Heener) 1927, 14, 128; 1928, 14, 202
- _____, intestinal amoebae of, unusual variations in cystic stages of (Wernich) 1939, 25 Suppl, 14
- _____, helminths found in boys recently arrived in Washington, D. C. (Crann and Folan) 1938, 24 Suppl, 23
- _____, of, in Orange County, N. C. (Brown and Sheldon) 1939, 25, 445
- _____, Siam (Barnes) 1925, 11, 226
- _____, state of Cojedes, Venezuela (Headlee) 1938, 24 Suppl, 11
- _____, infection of *Ancylostoma braziliense* in boy, and skin lesions produced with larvae from this strain (Dove) 1928, 15, 136
- _____, lesions associated with infections by *Balanitium* and *Eudinamoeba* of (Ratcliffe) 1932, 19, 161
- _____, parasites in college freshmen (Byrd) 1936, 22, 301; 1937, 23, 213
- _____, eastern Carolinas (Gamble) 1927, 14, 134
- _____, high school students of Washington, D. C. (Alicata) 1934, 20, 338
- _____, Koreans (Mills) 1926, 12, 165
- _____, school children of southern city (Stiles) 1915, 1, 201
- _____, of medical students (Swartzwelder) 1938, 24, 552
- _____, students of Berea College, Kentucky (Headlee and Cable) 1936, 22, 530
- _____, parasitism of, diagnosis and treatment with use of glycerol-sulphate solution and intestinal lavage with hot salt solution (de Rivas) 1931, 18, 128
- _____, in New York City (Curran et al) 1935, 21, 126
- _____, protozoa among children and adults in Los Angeles (Kessel and Shmitsin) 1937, 23, 555; 1938, 24, 433
- _____, found at autopsy (Kerby) 1935, 21, 449
- _____, in arthritic and non-arthritic patients (Kessel) 1931, 18, 122
- _____, autopsies of (Frye and Meloney) 1936, 22, 300
- _____, in, midwestern Canada (Miller) 1939, 25, 355
- _____, Tennessee (Meloney) 1929, 16, 108
- _____, transmission to parasite-free fowls (Hegner) 1928, 15, 138
- _____, *Isofpora hominis* of, case probably originating in U.S.A. (Haugkowitz) 1921, 8, 45
- _____, in, Florida larva migrans in, 1925, 12, 111
- _____, larvae of *N. americanus* of, and *A. caninum*, new facts concerning (Schuurmans-Stekhoven) 1927, 14, 55
- _____, legal decision in elonorchiasis habreas corpus proceedings (Stiles) 1924, 11, 91
- _____, *Leishmania* of, in Washington, D. C. (Bartsch) 1932, 18, 311
- _____, leishmaniosis cutanea of, first case in Venezuela (Iturbe and Gonzalez) 1917, 4, 44
- _____, life history studies of rare parasite of, with demonstration of ova (Sandground) 1928, 15, 144
- _____, house problem of municipal workhouse (Oosthuizen and Shephard) 1935, 21, 318
- _____, hung distome of, encysted larva of (Yoshida) 1916, 2, 175
- _____, *Paragonimus ecclesmanni*, of (Nakagawa) 1919, 6, 39
- _____, intermediate hosts of (Yoshida) 1916, 2, 111
- _____, malaria in South China in relation to humidity and temperature (Hartman) 1928, 15, 138
- _____, Plasmodia of, new varieties and species (Craig) 1914, 1, 85
- _____, malarial parasite and spleen indices in Grenada, B.W.I. (Andrews) 1929, 16, 96
- _____, massive acquisition of *Ascaris* by young child (Otto) 1931, 17, 233
- _____, memory span studies in children affected with (Stiles) 1916, 2, 197
- _____, *Microflavia ozzardi* in, in Panama (McCoy) 1932, 19, 175
- _____, moisture, relation to distribution of *Trichuris* and *Ascaris* of (Spindler) 1930, 16, 159
- _____, mouse oxiyurid, *Syphacia oberlati*, in (Riley) 1919, 6, 89
- _____, myiasis in, caused by ox-warble, *Hypoderma bovis* (Herns) 1925, 11, 149
- _____, intestinal and nasal in, in Oklahoma (Canavan) 1936, 22, 228
- _____, urethral in (Leon) 1921, 7, 184
- _____, natural infection of American trypanosomiasis of, in two species of cone-nosed bugs, *Triatoma* (Kofoid and Whitaker) 1936, 22, 259
- _____, *Necator* and *Ancylostoma* larvae, remarks in consequence of researches of Svensson and Kessel on (Van Thiel) 1927, 14, 95

Man (Cont.)

- menatode eggs, rare, in feces of individuals from Chagres River, Panama (Faust and Martinez) 1935, 21, 332
- Onchocerca* of, taxonomy in genus (Sandground) 1932, 19, 171
- ophthalmomyiasis of, due to *Cephalomyia* (*Oestrus*) *ovis* (Herns) 1925, 12, 54
- Oestrus ovis* (Lyon) conjunctival, caused by 1934, 20, 337
- Orythodoros hermsi* as vector of relapsing fever in California (Herns and Wheeler) 1935, 21, 440; 1936, 22, 276
- ova of *Tricostema hepatica* in feces of (Hoffman) 1931, 15, 53
- oxycurias of, dermal and intra-dermal skin reactions in (Wright and Bozicevich) 1937, 23, 562
- epidemiological findings in Washington, D. C. (Cram and Reardon) 1937, 23, 567
- ova of *Entrobrius rev-mularis* in household dust (Nolan and Reardon) 1938, 24 Suppl, 9; 1939, 25, 173
- treatment with improved type of enteric-coated tablet (Wright and Brady) 1938, 24 Suppl, 9
- "*Arxuris incognita*" or *Heterodera radicleola* of (Sandground) 1923, 10, 92
- Paragonimus*, distribution of (La Rue and Arnet) 1937, 23, 382
- Paragonius varis* specimen from bladder of (Stiles) 1922, 9, 40
- parasitism of, three unusual cases: a slug, a myriapod, and cockroaches (Stiles) 1918, 4, 38
- pathogenicity of strain of small race of *Endamoeba histolytica* of (Frye and Meleney) 1937, 23, 555
- peculiar relationships between ectoparasites and their hosts (Ewing) 1931, 18, 117
- pellagra of, summary of insects in relation to (Jennings) 1914, 1, 10
- Phthirus pubis* on back of hand of (Stiles) 1928, 15, 68
- pinworms of, problems presented by family of seven with (Jones et al) 1937, 23, 571
- Plagiorectis muris*, experimental infection in (McMullen) 1937, 23, 113
- Plasmodium*, catalog and host-index of genus (Coatney and Round-bush) 1936, 22, 338
- of, invasion of young red blood cells by merozoites (Hegner) 1938, 24 Suppl, 21
- possibility of recent war resulting in spread of anebiasis in U.S.A. (Stiles) 1922, 9, 40
- solution of cancer problem being reached through field of parasitology (Hall) 1922, 9, 37
- post-treatment reinfection with ascaris in U.S.A. (Oto and Cort) 1932, 19, 179; 1934, 20, 245
- potential longevity of various helminths, with record of species of *Trichostrongylus* of (Sandground) 1936, 22, 464
- precipitin test in malaria of (Taliaferro et al) 1927, 13, 216
- problems in medical and veterinary entomology (Bishop) 1939, 25, 1
- protozoa of American Indian children in U.S.A. (Owen et al) 1932, 19, 178
- mouth (Kofoid) 1928, 15, 140; 1929, 15, 151
- protozoal infections of, in Minnesota (Riley) 1928, 15, 144
- routine practice (Barker) 1926, 12, 160
- protozoan survey of industrial school (Boeck) 1921, 7, 191
- protozoological survey of college freshmen (Wentrich et al) 1932, 19, 175; 1933, 20, 141
- food handlers, results of six-years (Wentrich and Arnett) 1938, 24 Suppl, 8
- home for aged (Wentrich and Arnett) 1937, 23, 318
- protozoan of, new bi-flagellated (Wright and Lucke) 1920, 6, 140
- queleques observations sur les pediculides (Leon) 1920, 6, 144
- rat tapeworm, (*Hymenolepis diminuta*), and dwarf tapeworm, (*H. Spindler*) in southwest Virginia in 1929, 16, 38
- rate of development in nature of *H. diminuta* and *T. trichiura* of (Brown) 1927, 13, 220; 1927, 14, 1
- refrigeration requirements of pork for export to Netherlands (Ransom) 1924, 11, 94
- regularity of egg production of *T. lambricoides*, *N. americanus*, and *T. trichiura* of (Brown) 1927, 14, 110

HOST INDEX

- relative frequency of *T. saginata*, *H. nana* and *H. diminuta* in U.S.A. (Ransom) 1922, 9, 48
- resistance and immunity reactions in infections with *Sparganus monstoides* as aid in diagnosis of (Mueller and Chapman) 1937, 23, 561
- results of examination of Howard University students (Bartsch) 1929, 15, 220
- Retortomus (Embadomorus)* of, new variety of (Hogue) 1932, 19, 161
- of, four races of (Hogue) 1934, 20, 331
- Rhabditis hominis* Kobayashi of, in U.S.A. (Sandground) 1925, 11, 140
- rhabditoid worms found in intestine of (Kobayashi) 1920, 6, 148
- Rhodnius prolixus* Stahl of, biology and life history of (Urbie) 1926, 13, 129
- rotifer (Order Bdelloidea) of, apparent case of pathogen (Giessen) 1933, 20, 133
- sanitary index of three Southern communities (Stiles) 1916, 2, 196
- sarcophagids of (Stiles) 1923, 9, 241
- sarcosporidia, biology of (Scott) 1929, 16, 105; 1930, 16, 111
- encountered in, in Panama (Darling) 1915, 1, 113
- sarcosporidiosis in East Indian (Darling) 1919, 6, 98
- Schistosoma haematobium* and *S. mansoni* of, distribution in Egypt (Scott) 1936, 22, 534
- Japanticum* of, course taken by larvae of (Cort) 1921, 7, 196
- in Far East, molluscan hosts and distribution of schistosomiasis japonica of (Faust and Meleney) 1924, 11, 107
- schistosome dermatitis of, distribution and epidemiology in Michigan (McMullen et al) 1939, 25 Suppl, 24
- larvae, adaptability to new hosts (Cort) 1918, 4, 171
- schistosomes of, of Egypt characteristic movements of miracidia and cercariae (Barlow) 1935, 21, 436
- schistosomiasis of, due to *S. mansoni* and its transmission in Ethiopia (Giovannola) 1938, 24 Suppl, 11
- in mountain valleys of Venezuela (Scott) 1938, 24 Suppl, 11
- sedimentation method in diagnosis of schistosomiasis mansoni of (Hoffman and Fons) 1932, 19, 164
- serum sickness of (Ransom) 1920, 7, 99
- skin disease of, due to larvae of *Ancylostoma caninum* (White and Dove) 1928, 15, 149
- reaction of, in *Taenia infestation* (Ramsdell) 1927, 14, 102
- to *T. spiralis* antigen in cases of trichiniasis and infections with *T. trichiura* (McCoy and Miller) 1931, 18, 123
- Sparganus monstoides*, experimental infection of (Mueller and Goldstein) 1939, 25 Suppl, 31
- specificity of parasite for host in its relation to problems of immunity with special reference to metazoan infections (Sandground) 1928, 15, 145
- spurious parasitism of (Hall) 1922, 9, 39
- (Price) 1928, 15, 72
- (Ransom) 1916, 2, 197
- due to nephrothiasis (Pfander) 1916, 2, 200
- pulp cells of citrus fruit (Stiles) 1926, 12, 180
- in maturing patients (Simon) 1924, 11, 105
- two cases (Stiles) 1925, 11, 220
- with *Cysticercus cellulosus* (Stiles) 1916, 2, 197
- Dicrocoelium lancautum* (Stiles) 1916, 2, 197
- Linax farax* (Stiles) 1916, 2, 197
- Strongyloides* infection of, interrelations of parasite and host-tissue (Faust) 1934, 20, 333
- of, speciation and specificity in genus (Sandground) 1925, 12, 59
- whole life cycle of (Faust) 1935, 21, 439
- strongyloidiasis of, in Panama (Faust) 1930, 17, 107
- structures resembling trematode ova found in bile and feces of (Sper and Orlman) 1925, 12, 165
- survey of flies, pigs, fowls, rats and mice in rural community for human intestinal protozoa (Frye and Meleney) 1931, 18, 118

Man (Cont.)

- _____ susceptibility and resistance to helminthic infections (Chandler) 1932, 18, 135
- _____ *Syngamus laryngis* of, third case (Hoffman) 1931, 17, 236
- _____ *Trichostrongylus* of, reported by Baltimore physician (Faust) 1924, 11, 106
- _____ *Tacina saginata* of, abnormal specimen (Cort) 1920, 7, 96
- _____ an unusual case (Aleserve and Coakley) 1937, 23, 313
- _____ egg production in (Schlagli) 1937, 23, 101
- _____ in North China (Mills) 1923, 9, 214
- _____ 6-month child (Bartsch) 1921, 8, 93
- _____ *Trinidensis deminutus* of, in southern Africa (Sandground) 1928, 15, 72; 1930, 17, 118
- _____ *Thelazia callipaeda* of, female specimen (Barlow) 1921, 8, 94
- _____ infections of, in China (Faust) 1927, 13, 213; 1928, 15, 75
- _____ thermal death point of parasites and application of method for removal of intestinal parasites of (de Rivas) 1927, 13, 224
- _____ tick as possible agent in collocation of eggs of *Dermatobia hominis* of (Dunn) 1918, 4, 154
- _____ bites, effect on (McCauley) 1916, 2, 193
- _____ ticks in relation to certain diseases of man and animals (Bishop) 1932, 19, 175
- _____ treating tapeworm infestations of, with idea of recovering head (Magath and Brown) 1927, 13, 225
- _____ treatment of trichiniasis of, report of case (Almagth) 1926, 12, 166
- _____ trematode of, from Japan (Cort and Yokogawa) 1921, 8, 66
- _____ trichinae of, correlations and implications in connection with incidence (Hall and Collins) 1936, 22, 533
- _____ *Trichinella spiralis* and *Leptospha interlophorhynchae* of, in Hawaiian Islands (Alcanta) 1937, 23, 572
- _____ of, biology of (Christenson) 1927, 14, 122
- _____ prevalence of infection of (Queen) 1931, 18, 128
- _____ trichinosis of, in Alabama (Walker and Breckenridge) 1938, 24 Suppl. 10
- _____ incidence in 300 diaphragms (Hall and Collins) 1936, 22, 532
- _____ practical plan for control of (Nelson) 1939, 25 Suppl. 33
- _____ trichomonads, cultivation of, from man, rat and owl (Tanabe) 1925, 12, 101
- _____ from mouth of (Hegner and Ratchffe) 1927, 14, 27
- _____ *Trichomonas flagellates* of, comparative morphology of (Wenrich) 1930, 17, 117
- _____ *hominis* in amoebic liver abscess of (Kessel) 1925, 11, 151
- _____ of, flagellate diarrhea due to (Hegner) 1925, 12, 111
- _____ vaginitis of (Kessel and Gafford) 1934, 20, 330
- _____ *Trichomonas* of, in pure cultures of various microorganisms (Cleveland) 1927, 14, 129
- _____ observations and experiments on (Cleveland) 1927, 13, 217
- _____ separation from bacteria and failure to grow (Cleveland) 1927, 14, 129
- _____ *Trypanosoma gambiense* of, designated as type species of *Trypanosom* Lillie, 1906 (Siles and Smith) 1924, 11, 110
- _____ trypanamide, new synthetic antiseptic, found effective against *T. gambiense* of (Welch) 1921, 7, 191
- _____ tsutsugamushi disease of, etiology of (Hayashi) 1920, 7, 53
- _____ tubercular, possibly passed in urine of (Hoepfl) 1925, 12, 108
- _____ typhus of, endemic, recent developments in transmission of (Dove) 1931, 18, 116
- _____ tropical rat bites and endemic (Dove and Shelmire) 1932, 18, 159
- _____ uncinariasis of, value of hemoglobin index in (Stoll) 1926, 13, 88
- _____ uta of, Peruvian disease, insect vector of (Townsend) 1915, 2, 67
- _____ variability of egg output of infestations of *S. mansoni* as compared with hookworm (Scott) 1931, 18, 129
- _____ variations in single race of *Coli*-like amoeba of (Stabler) 1931, 17, 234
- _____ whipworm infestation of, treatment for (Hall) 1924, 11, 121
- _____ *Hollaphria viridis* (Walker), as parasite of (Walker) 1920, 7, 1

HOST INDEX

191

- Marmota monax*, woodchuck, four new species of *Trichomonas* from (Crouch) 1933, 19, 293
- Marmots**, sucking lice (Anophora) on (Olsen) 1938, 24, 281
- Martens**, coccidia of (Yakimoff and Gousselt) 1934, 20, 251
- Meleagris gallopavo* at Charrington, Maryland, *Freyana (Microspalar) chencyi* from (Chapin) 1925, 12, 113
- Mephitis m. mescumelas*, *Uncinariaria* from (Dikemans) 1931, 18, 56
- Mermithids** infesting another nematode (Cobb) 1925, 11, 217
- _____ parasites of (Steiner) 1926, 12, 181
- Mice**, experimental autoinfection with *Hymenolepis fracterna* in (Hanninen) 1936, 22, 84
- _____ infection with *Balanitium coli* (Nelson) 1937, 23, 557
- _____ *Capillaria hepatica* (Luttemoser) 1936, 22, 536
- _____ experimentally infected, life history of new schistosome, *Schistosomium pathocochitum* found in (Tanabe) 1923, 9, 183
- _____ field, in Nova Scotia, *Giardia* in (Simon) 1921, 7, 190
- _____ hawk tapeworm which produces proliferating cysticercus in (Penner) 1938, 24 Suppl. 25
- _____ infection with *Strongyloides ratti* (Siedon) 1937, 23, 98
- _____ life history of trichostrongyle, *Longistrata* sp., from (Schwartz and Alcanta) 1932, 19, 171
- _____ method of demonstrating cysticercoids of *Hymenolepis patena* in (Hunnien) 1935, 21, 124
- _____ normal and splenectomized and blocked, course of infection of *Trypanosoma duttoni* in (Tallafarro and Pavlovova) 1935, 21, 439; 1936, 22, 29
- _____ pathology of *Nippostrongylus muris* in (Porter) 1935, 21, 226
- _____ prophylaxis against experimental *T. cymiperidum* infection by periodic administration of germanin (Culbertson) 1939, 25, 413
- _____ resistance in, to *A. caninum* (Kerr) 1935, 21, 427
- _____ to infection with *Capillaria hepatica* (Luttemoser) 1937, 23, 559
- _____ white, blood picture of, infected with *Trichinella spiralis* (Hunter and Groupe) 1939, 25 Suppl. 33
- _____ cysticercoids in mesenteric lymph glands of (Price) 1930, 17, 57
- _____ *borrelli* in (Taylor) 1927, 14, 70
- _____ *Trichomonas muris* parasite in oxyurias of (Theller and Farber) 1932, 19, 169
- Millipeds**, a nematode, *Rhinogona m-gella*, and its plant commensal, *Entrobrys* sp? from (Thomms) 1930, 17, 30
- _____ new species of nematode, fixed with aid of thermolethe (Cobb) 1927, 14, 66
- Mink**, coccidia of (Kingsroote) 1935, 21, 126; 1937, 23, 540
- _____ *Eurythelmis monorchis* n. sp., from (Ameel) 1938, 24, 219
- _____ from southern Michigan, *Dictyophyge rotunda* kidney worm in (Woodhead and McNeil) 1939, 25 Suppl. 23
- Mite**, eggs attacked by nemas of genus *Dorylaimus* (Cobb) 1929, 15, 284
- Molluscan** intermediate host of *S. japonicum* in Philippines (Bequaert and Pilshy) 1934, 20, 280
- Mollusks**, arthropod enemies of (Bequaert) 1925, 11, 201
- _____ in life cycle of *S. mansoni* (Faust and Hoffman) 1933, 20, 131
- _____ known distribution as hosts of *S. japonicum* in Far East considered in light of known distribution of schistosomiasis japonica (Faust and Meleney) 1924, 11, 107
- Monkey(s)**, American, sucking lice of (Ewing) 1936, 22, 541; 1938, 24, 13
- _____ amoebiasis in (Ratchffe) 1930, 17, 113
- _____ captive, protozoarthritis, new nematode disease of (Foster and Johnson) 1938, 24 Suppl. 32
- _____ capucinin, refractory to infection with *E. histolytica* (Ball) 1935, 21, 220
- _____ coenurus from brain of (Sandground) 1937, 23, 482
- _____ collecting, adult filarial parasites from muscle tissue of (Dunn) 1931, 18, 111
- _____ comparative studies of intestinal protozoa in different species of (Hegner) 1932, 19, 176
- _____ excystation of *E. histolytica* in (Hegner) 1932, 18, 308
- _____ experiments with transfer of trichomonads of (Hegner) 1928, 15, 67
- _____ filarial parasites of, in Panama (McCoy) 1935, 21, 440

- , *Giardia* and *Chilomastix* from (Hegner) 1924, 11, 75
 —, howler, cuterebra larvae in skin of (Ewing) 1925, 12, 107
 —, infested by porcupine louse (Fenstermacher and Jellison) 1932, 18, 294
 —, (*Macacus rhesus*), experimental transmission of trichomonads from intestine and vagina of, to vagina of (Hegner) 1928, 14, 261
 —, *Hexamita* sp. from in intestine of (Wenrich) 1933, 19, 225
 —, *Pneumonyssus fortii*, new arachnid from lung of (Weidman) 1915, 2, 37
 —, normal and immune, cellular reactions to malaria in skin of (Taffierro and Bloom) 1938, 24 Suppl. 19
 —, Panama, intestinal protozoa from (Hegner) 1935, 21, 60
 —, passage of *Trichomonas hominis* in viable condition through stomach and small intestine of (Hegner) 1934, 20, 199
 —, pathology of experimental amoebiasis in (Johnson) 1932, 18, 310
 —, pulmonary acarasis in (Schlotthauer and Essex) 1929, 16, 104
 —, red-spider, (*Ateles Geoffroyi*) *Oryzomoma atelophora* n. g. n. sp. in (Kreiss) 1932, 18, 295
 —, rhesus, *Endolimax* amoebae in vagina of (Hegner) 1929, 16, 91
 —, —, infections of vagina with *Trichomonas hominis* from man (Hegner) 1934, 20, 247
 —, South American, (*Cebus variegatus*), *Balanitium* from (Holmes) 1923, 9, 241
 —, South American, *Giardia* in (Hegner) 1925, 11, 229
 —, species of *Hymenolepis* from (Baer) 1927, 14, 48
 —, structure, occurrence and significance of *Alichsima fortii*, liver fluke of (Stunkard) 1923, 10, 71
 —, trichomonads from vagina and intestine of (Hegner and Ratschke) 1927, 14, 27
 —, vaginal trichomonads in (Hegner) 1927, 14, 60
 —, *Monodontes acutus*, specimens found to contain *Trichoborus obtusus* *Tylenchus robustus* and *Xiphinema americana* (Thorne) 1932, 19, 90
 —, Moose, (*Alces a. americanus*), *Nematostella longispinulata* from (Dickmans) 1932, 18, 303
 —, Mosquito(es), American anopheline, in relation to transmission of malaria (Root) 1928, 15, 144
 —, development of *Dipetalonema dicantinna* and *Dirofilaria spinoza* in (Highby) 1939, 25 Suppl. 15
 —, —, *Thelohanita opacita*, culture microsporidian of (Kudo) 1924, 11, 84
 —, effect of Microsporidia in (Kudo) 1921, 8, 70
 —, immunity to bird malaria (Huff) 1927, 14, 131
 —, in transmission of malaria, Sir Ronald Ross and its discovery (Hegner) 1933, 19, 312
 —, living, staining malaria oöcysts in (Russell and Mohan) 1939, 25, 278
 —, of Minnesota, development of microfilaria of *Dirofilaria scapiceps* in (Highby) 1938, 24 Suppl. 36
 —, transmission experiments with *Plasmodium circumflexum* and *P. cathelicrum* (Heman) 1937, 23, 557
 —, Mouse, deer, *Brachylaemus peromysci* n. sp. from (Reynolds) 1938, 24, 245
 —, —, (*Peromyscus maniculatus*), *Nippostrongylus muris* in (Porter) 1935, 21, 314
 —, grasshopper, (*Onychomys leucogaster*), *Richtiarla onychomys* from (Cuckler) 1939, 25, 431
 —, *Mesocostoides corvi*, new cestode from (Hoeppli) 1925, 12, 91
 —, (*Mus musculus*), life cycle investigations of cestode of (Reidtorff) 1939, 25 Suppl. 20
 —, *Schistosomium douthitti* in (Perner) 1939, 25 Suppl. 8
 —, shrew, (*Sorex araneus*), nematode fauna of (Pologentsev) 1935, 21, 95
 —, white-footed, new host for *Entosiphonius thompsoni* (Krnul) 1933, 20, 98
 —, (*Peromyscus leucopus norboracensis*), infections with *Faciola hepatica* (Krnul) 1933, 20, 99
 —, Mudturtle, (*Kinosternon subdrumii*) (*hippocrepis*) new trematode from (Byrd) 1936, 22, 413
 —, *Muscidium parturientium*, *Cercaria donecra* n. sp. from (Goodehill) 1939, 25, 133
 —, Mushrooms, beds of, *Rhabditis lamhdinara* as carrier of bacterial disease in (Steiner) 1931, 18, 53
 —, Muskalonge, new species of *Trichodina* from urinary tract of (Muehler) 1938, 24, 251
 —, Muskrat, *Alasogonoporus marginalis*, new trematode from (Oliver) 1938, 24, 155
 —, cestode cysts from (Linton) 1915, 2, 46
 —, (*Fiber zibethicus*), parasites of (Barker) 1915, 1, 184
 —, (*Ondatra zibethica*), *Schistosomatium* from (Penner) 1938, 24 Suppl. 26
 —, *Schistosomium douthitti* in (Penner) 1939, 25 Suppl. 8
 —, schizosomiasis in (Olsen) 1939, 25, 279
 —, *Mastela* sp., occurrence of *Urchinaria stenocephala* from (Chittwood) 1932, 18, 307
 —, *rison*, *Eimeria mustelae* n. sp. from (Kingscote) 1934, 20, 252
 —, *Myliobatus californicus*, sting ray, new trematode, *Probolitrema californense* from coelom of (Stunkard) 1935, 21, 359
 —, *Narcissus* bulbs, diseased, from France (Cobb) 1928, 15, 68
 —, dried, effect of hot water treatment upon *Tylenchus dipsaci* present in (Sherman) 1933, 20, 71
 —, leaf of, number of *T. dipsaci* present in (Sherman) 1933, 20, 112
 —, significance of climatic factors in development of infestation by bulb nematode, *T. dipsaci* (Steiner) 1933, 19, 255
 —, *Nassa obsoleta*, seasonal infestation with larval trematodes (Miller and Northrup) 1926, 12, 161
 —, *Natrix s. sipedon*, a renifer *Lechthoraxis secerninus* n. sp. from (Canavan) 1937, 23, 478
 —, Nema parasitic in a nema (Cobb) 1924, 11, 120; 1925, 11, 217
 —, Nematode, microsporidian parasite of (Kudo and Hetherington) 1922, 8, 129
 —, New parasites, listed: 5, 139, 196; 6, 48, 204; 7, 102, 204; 8, 48, 97, 149, 188; 9, 105, 182, 248; 10, 58, 170; 11, 58; 12, 116, 182; 13, 230.
 —, Newt, crimson-spotted, incidence of trypanosomes and intestinal flagellates in aquatic and terrestrial forms of (Hegner) 1929, 16, 56
 —, (*Trypanos vivivivens*), *Bohreria ocephalus rarus* n. sp. from (Thomas) 1937, 23, 119
 —, *Dactylosoma jahni*, new sporezoan of erythrocytes and erythroplasts in (Nigerli) 1929, 16, 102
 —, western, (*Neolophthalmus forosus*), species of *Hechmanis* occurring in (Chandler) 1919, 5, 116
 —, *Oligochaeta*, gregarines of (Troist) 1932, 19, 169
 —, *Ondatra zibethica*, *Hepaticola hepatica* in liver of (Price) 1931, 18, 51
 —, *Onthophagus hercatis* as host for *Hyemonolphis curvica* (Jones) 1930, 16, 165
 —, *Ophioteren antinum*, brittle star, *Thalassonema ophioclinis*, nematode parasite in (Ward) 1932, 19, 168; 1933, 19, 262
 —, *Opossum*, (*Didelphis virginiana*), *Isospora bonghtoum* n. sp. from (Voll) 1938, 24, 547
 —, —, new host for *Brachylaimus spherosulium* (Krnul) 1933, 20, 98
 —, trichomonads from intestine of (Hegner and Ratschke) 1927, 14, 27
 —, *Orthoptera* of Ohio, protozoan parasites of (Seannans) 1933, 20, 125
 —, Otter, Panama, (*Lutra roboraka*), *Diphlostomum fosteri* n. sp. from (Alcintosh) 1939, 25 Suppl. 25
 —, Owl, barred, new species of *Brachylaimus* from (Harkema) 1939, 25, 277
 —, (*Bubo virginianus pacificus*), host of house fly, *Lychnia fassa*, new vector of malaria of California valley quail (Herns and Kahner) 1936, 22, 511
 —, burrowing, as host to *Oryzithodorus parkeri* (Jellison) 1939, 25 Suppl. 17
 —, screech, *Taenia asiata* n. sp. from (Alvey and Kuntner) 1934, 20, 327
 —, *Pachycephalops signatus*, parasite of (Cobb) 1927, 14, 66
 —, Palm, coconut, disease of due to trematodes (Cobb) 1921, 7, 195
 —, Peaches, rotten, *Anguilla sirsivae* in (Cobb) 1932, 18, 303
 —, *Pearl anguillatus*, ticks and fleas from (Hall) 1921, 7, 186
 —, —, from (McIntosh) 1932, 18, 304
 —, Pecary, occurrence of *Monoclea benedicti* in (Alcanta) 1932, 19, 83
 —, Texas, new tick from (McIntosh) 1931, 18, 124
 —, *Pedicularis phasianellus*, cestode, *Rhab-*

- dometra odiosa*, parasitic in, in Quebec (Swales) 1934, 20, 313
- Pelicans**, kamala for removing bothri-
ocephalids from (Hall) 1932, 18, 304
- , relation to salmon and trout with respect to parasites (Ward) 1923, 9, 243
- Pelicans erythrorhynchus** development of *Diphyllobothrium cordiceps* (*Djibothrium cordiceps*) in (Woodbury) 1932, 18, 304
- Pleasants**, common ring-neck, infectivity of *Pyostogonimus mucronatus* for (Gower) 1939, 25, 447
- , from Pennsylvania, *Heterophis isolante* in (Schwartz) 1924, 11, 109
- , New Jersey, *Capillaria* in (Graham) 1935, 21, 61
- , ring-necked, (*Phasianus colchicus torquatus*), parasite studies on (Olsen) 1938, 24 Suppl, 24
- , —, —, —, (*torquatus*), *Trichomonas phasiani* from (Travis) 1932, 18, 285
- Phlebotomus argentipes**, from India, nematodes from gut of (Cobb) 1926, 13, 83
- Physa heterostropha** as host for *Dacynia proglottina* (Jones) 1930, 16, 164
- , *parvici*, larval trematode infection in juveniles of (Cort et al) 1938, 24 Suppl, 25
- Pig(s)** (see also hogs, swine)
- , anoplocephaline tapeworm collected from, in Antigua (Hall) 1922, 9, 35
- , ascaris, development of ova under natural conditions (Caldwell and Caldwell) 1927, 14, 130; 1928, 14, 254
- , development of (*Oesophagostomum longicaudum* in (Spindler) 1931, 18, 130
- , effect of daily administration of ferrous sulphate and copper sulphate on resistance to *Oesophagostomum dentatum* (Spindler) 1934, 20, 325
- , experimental infections and super-infections with lungworms (Schwartz and Lucker) 1935, 21, 432
- , experimental transmission of *Gongylonema scitulum* to (Schwartz and Lucker) 1931, 18, 46
- , massive infestation with hydatids in (Cram) 1924, 11, 105
- , non-specific skin reactions in, to injection of trichina extracts (Schwartz et al) 1930, 17, 114
- , posterior paralysis due to *Strongylurus dentatus* in spinal canal (Price) 1927, 14, 59
- , skin reactions in experimental trichinosis (Schwartz and McInosh) 1929, 16, 104
- , trichomonad flagellates in facial lesions of (Hegner and Alcata) 1938, 24, 554
- Pigeon(s)**, development of *Capillaria columbae* of (Wehr) 1937, 23, 573
- , effect of atabrine and plasmochin on *Hacmoproctus* infection of (Cooney) 1933, 20, 145
- , *Hacmoproctus sacharovi* in (Cooney and West) 1938, 24 Suppl, 21
- , in U.S.A., *Bertiella delatoidi* in (Cram) 1924, 11, 115
- , *Ornithostrongylus glandriadiatus* of; observations on life history, pathogenicity and treatment (Cram and Cuvillier) 1931, 18, 116
- , periodicity and synchronicity of *Plasmodium relictum* in (Cooney) 1938, 24 Suppl, 18
- , periodicity in oöcyst production of eimerian infections in (Boughton) 1937, 23, 291
- , relapse and associated phenomena in *Hacmoproctus* infection of (Cooney) 1932, 19, 178
- , strain of *Plasmodium relictum* from (Cooney) 1937, 23, 556
- , *Trichomonas gallinae*, correct name for flagellate in mouth, crop and liver of (Stabler) 1938, 24, 553
- Pike**, (*Esox lucius*), life cycle of *Raphidascaris canadensis*, nematode from (Thlomas) 1937, 23, 572
- Pine**, slash, nema injuries in rearing (Cobb) 1930, 17, 52
- Planorhis trivoltis*, seasonal fluctuation in infestation with larval trematodes (McCoy) 1928, 15, 121
- Plant(s)**, aquatic species of *Chara*, etc., in relation to mosquito breeding (Matheson and Hinman) 1928, 15, 141
- , infested by nematodes, length of dormancy in (Corder) 1933, 20, 104
- , infection by some saprophytes or semi-parasitic nematodes (Christie) 1933, 20, 63
- , insectivorous, protozoa of (Hegner) 1926, 12, 160
- , number of *Tylenchus dipscaci* in Chinese primrose (Steiner) 1926, 13, 90
- , parasite nemas tests on effect of some arsenic compounds on (Cooper) 1933, 20, 70
- , peanut, nemas parasitic in, in Africa (Steiner) 1925, 12, 107
- , pests of, federal activities in preventing introduction into this country (Cobb) 1921, 8, 95
- , pitcher, protozoa that live in (Hegner) 1925, 12, 111
- , protozoa from (Da Porto) 1925, 11, 183
- , successful transfer of *Aphelenchoides ritzena*-host from dorysanthemum to strawberry (Steiner) 1932, 19, 90
- , *Tylenchus bakanophilus* of (Thorne) 1926, 12, 141
- Platthander**, morphology of *Balanitium kirbyi* n. sp. from (Rodriguez) 1939, 25, 197
- Polygona thyroides*, parthenitae and cercariae (of *Tyloporchis robustus*?) found in liver of (Simstun) 1929, 15, 222
- Pompano**, (*Trachinotus carolinus*), acquired immunity of, to *Epididyma meli* (Nigrelli) 1935, 21, 438
- Porcillo scaber* as intermediate host of *Dispharynx spiridis* of birds in this country (Cram) 1930, 16, 169
- Porcupines**, egg of *Schizolacania americana* of (Hadden) 1922, 9, 47
- , genus *Schizolacania* in (Clandler) 1936, 22, 513
- Porpoise**, (*Neomeris phocaenoides*), *Halocercus pingi*, new lungworm from (Wu) 1929, 15, 276
- Potatoes**, infection experiments with *Tylenchus dipscaci* on (Kreiss) 1931, 17, 236
- , Irish, grown on Prince Edward Island, *T. dipscaci* in (Steiner) 1931, 18, 44
- , sweet, grown in New Jersey, *T. dipscaci* in (Steiner) 1930, 17, 58
- Poultry** (see also chickens, fowl)
- , *Blattella germanica*, cockroach, as intermediate host of *Tetraneris americana* in (Cram) 1931, 18, 52
- , cestodes of (Jones) 1933, 20, 66
- , *Cheliospina hamulosa*, gizzard worm of (Cuvillier) 1933, 19, 244
- , coccidia, effect of oily mixtures of phenolics on oöcysts of (Andrews) 1933, 20, 124
- , coccidiosis, experiments reported on control by chemical treatment of litter (Andrews) 1932, 19, 177; 1933, 20, 99
- , coccidiosis, quantitative study of, with data on preparent and patent periods in life cycle of *Eimeria arum* (Young) 1929, 15, 241
- , gapeworm of, domestic fowls as carriers (Wehr) 1938, 24 Suppl, 13
- , *Hymenolepis cariosa*, two intermediate hosts for (Cuvillier) 1933, 19, 245
- , in Hawaii, life history of *Hymenolepis cariosa*, (Alcata and Chang) 1939, 25, 121
- , in Hawaii, note on life history of *Subulura brumpti* of (Alcata) 1939, 25, 179
- , leucocytozoa in (Volkmar) 1929, 16, 24
- , life history of cecal fluke, *Posthodiplostomum minimum*, of (Alcata) 1938, 24 Suppl, 29
- , "poultry ascariid" as common name for *Ascaridia lineata* of (Cram) 1930, 17, 56
- , species and strains of coccidia in (Tyzzer) 1927, 13, 215
- , tapeworms intermediate hosts of (Jones) 1932, 18, 307
- Prairie dog**, (*Cynomys ludovicianus*), *Cyolochicus porrosci*, new arachnid from diseased lungs of (Weidman) 1916, 3, 82
- , trichomonads from intestines of (Hegner and Ratcliffe) 1927, 14, 27
- , white-tailed, cestodes of (Scott) 1928, 15, 147
- , animal association involving two species of tapeworms in hawk and (Scott) 1931, 18, 49
- Primates** recorded as hosts of parasites, existing confusion in names of (Stiles) 1925, 12, 111
- Prinnia polyantha*, parasitized by *Cephalobus elongatus* (Steiner) 1933, 19, 255
- Quail**, epizootic among, with presence of *Trichomonas* sp. (Allen) 1930, 16, 162
- , life history of gizzard worm of (Cram) 1929, 15, 285
- , of California valley, *Ascaridia lineata* in (Wehr) 1933, 19, 252
- , malaria in, carried by house fly, *Lychnia fucra*, parasite of owl (Herns and Kadner) 1936, 22, 541; 1937, 23, 296

- Rabbit(s)**, active immunity to *Fasciola hepatica* (Kerr and Petkovich) 1935, 21, 319
- and hares, European, resistance to superinfection by different species of genus *Trichostrongylus* (Stunkard) 1932, 19, 156
- , hot larvae in tongue of (Weldr) 1932, 18, 304
- coccidiosis, chemical treatment of litter as aid in control of (Andriews) 1933, 20, 100
- cross-infection experiments on parasite-free chicks with intestinal coccidia from (Crooks) 1934, 20, 277
- , *Cysticercus pisiformis* in lungs, pericardium and beneath costal pleura of (Jewell) 1925, 12, 109
- , development of acquired resistance by repeated infection with *Trichostrongylus colubratus* (Sartles) 1932, 19, 61
- , development of swine nodular worm, *Oesophagostomum dentatum* in (Allicata) 1933, 20, 73
- , *Dirioflaria scapiceps* in (Allicata) 1929, 15, 287
- , domestic, *Eimeria* of (Kessel) 1929, 16, 100
- , experimental transmission of *Strongyloides ransomi* (Lueker) 1932, 19, 92
- , fatal infections of *Trichostrongylus colubratus* in (Sartles) 1932, 19, 157
- , immunity in, against one of its cestode parasites, *Cysticercus pisiformis* (Kerr) 1934, 20, 328
- in Louisiana, *Fasciola hepatica* in bile ducts of (Dikmans) 1932, 16, 162
- , infectivity of *Trichinella spiralis* after successive feedings to (Allicata) 1935, 21, 431
- , intestinal phase of immunity to *Cysticercus pisiformis* in (Leonard and Smith) 1939, 25 Suppl, 30
- , jack, (*Leptus californicus* *terramus*) myiasis in (Roberts) 1930, 17, 114, 1931, 18, 102
- , (*Leptus taehingensis*), microfilariae in blood of (Schwartz and Alicata) 1931, 18, 54
- , new hosts for *Fasciola hepatica* (Kruhl) 1933, 20, 49
- , North American, anoplocephaline cestodes of (Arnold) 1935, 21, 445
- , parasites of (Arnold) 1935, 21, 431
- , Siphonaptera infesting 1939, 25 Suppl, 17
- , receiving repeated infections of *Trichostrongylus colubratus*, self-cure and protection in (Sartles) 1930, 17, 114
- , re-infection under "natural" conditions with gut nematode of (Stoll) 1932, 19, 54
- , treatment of nontoxic mange in (Rees) 1931, 17, 233
- , trichinized, effect of parathyroid extract and calcium lactate on (Wantland) 1935, 21, 441
- , white, blood picture of normal and trichinized (Wantland) 1935, 21, 432
- , *Hyalohartria virgii*, parasite upon (Johannson) 1926, 13, 156
- , **Raccoon**, (*Procyon lotor*), *Angiostrongylus cantoni* in (Chitwood) 1932, 19, 91
- , *Rana catesbeiana*, *Diphodiscus intermedium* from (Hunter) 1930, 17, 74
- , tadpoles of, *Gyrodactylus* as parasite in (Stunkard and Dunhine) 1933, 20, 137
- , *clannians*, life history notes on *Ophthalma saphena* from (Thomas) 1931, 17, 187
- , *Larogates arcantii* in, in Nova Scotia (Simon) 1922, 9, 37
- , new cestode from (Osler) 1931, 17, 183
- , species of *Lernaea* parasitic in larvae of (Stunkard and Gable) 1931, 18, 92
- , *pectiosa*, description and life history of *Haplometra nitidensis* n. sp. (Plagiorchiidae) from (Olsen) 1937, 23, 13
- , new species of bladder fluke, *Gorgoderma tanneri* from (Olsen) 1937, 23, 499
- , *spherocephala*, stringed *Necodiplostomum* develops in laboratory rats from diplostomium metacercaria in muscles of (Penner) 1938, 24 Suppl, 26
- , **Rats**(s), acquired immunity against *Trypanosoma cruzi* (Culbertson and Kolodny) 1938, 24, 83
- , age resistance against *T. lewisi* and *T. cruzi* (Culbertson et al) 1938, 24 Suppl, 32
- , age resistance to *Nippostrongylus muris* (Graham) 1932, 19, 157
- , albino, relation of intestinal pH to intensity of trichonemal infections in (Ratcliffe) 1928, 14, 202
- , albino, undetermined parasite of (Morehouse and Becker) 1936, 22, 106
- , animal parasites of, at Madison, Wisconsin (Aloli) 1917, 4, 89
- , artificial immunization against trichinosis (McCoy) 1933, 20, 142
- , attempts to establish human hookworms in (Hung) 1925, 12, 113
- , brown, occurrence of distome metacercaria in (Loewen) 1934, 20, 250
- , cellular reactions during immunity to *Nippostrongylus muris* (Tafelero and Sartles) 1937, 23, 561
- , changes in acid-base equilibrium of blood infected with *T. equiperdum* (Andrews) 1928, 15, 135
- , cotton, new species of *Longipyrada* from (Chandler) 1932, 19, 25
- , course of experimental trichinosis in (McCoy) 1931, 18, 123
- , delayed development of nematode in successive infections in (Schwartz et al) 1931, 18, 129
- , development of adult trichinae in chick and rat embryos (McCoy) 1934, 20, 333
- , effect of age on size of *Trichinella* infections (Marchant) 1939, 25 Suppl, 23
- , diet on coccidian infection of (Becker and Morehouse) 1936, 22, 60
- , effect of high protein diet on *Trichomonas hominis* in (Hegner and Eskridge) 1935, 21, 313
- , effect of number and age of worms on development of primary and secondary *H. diminuta* infections in (Chandler) 1938, 24 Suppl, 32
- , effect of starvation on trichomonads in (Hegner and Eskridge) 1937, 23, 225
- , elimination of amoeba with high protein diet (Hegner and Eskridge) 1937, 23, 105
- , endogenous phases of life cycle of *Eimeria nigraviridis*, of (Rondabush) 1935, 21, 426
- , (*Epinus norvegicus*), in Bati more, *Heligmosomum* from (Yokogawa) 1920, 7, 97
- , excystation in, of *Giardia lamblia* from man (Hegner) 1927, 13, 226
- , experimental amoebiasis with cysts of human carriers (Tsuchiya) 1936, 22, 540
- , experimental infections of *Balanidium coli* in (Gabalton) 1934, 20, 331; 1935, 21, 386
- , experimental infection with *Balanidium* from domestic pig (Schneider) 1929, 16, 116
- , experimental infestations with *Cephalaria hepatica* (Luttenmoser) 1936, 22, 53
- , failure of repeated infections with trichina extracts to immunize rats (trichinosis) (Lueker) 1933, 19, 24
- , hepaticoliasis, venenous infestation of livers of rodents (Weidman) 1925, 12, 1
- , immune reaction to infection with *Eimeria nischelzi* (Morehouse) 1938, 24, 31.
- , immune to trichinosis, rapid loss of *Trichinella* larvae fed to (McCoy) 1938, 24 Suppl, 35
- , immunization against *T. lewisi* by administration of specific antiserum per os (Culbertson) 1939, 25, 181
- , in Texas, occurrence of *Moniliformis* sp. in (Chandler) 1921, 7, 179
- , in U.S.A., species of Capillariinae in gastric wall of (Allicata and Lueker) 1932, 18, 311
- , infected with *T. lewisi*, blood picture of (Smith and Seichel) 1929, 16, 106
- , intestinal parasites in St. Louis (Tsuchiya and Rector) 1935, 21, 426
- , Kangaroo, *Endamoeba dipodomysi* n. sp. from (Hegner) 1926, 12, 203
- , laboratory, *Necodiplostomum* develops in, from diplostomium metacercaria in muscles of *Rana sphenoccephala* (Penner) 1938, 24 Suppl, 26
- , larval production of *T. spiralis* in, given graduated numbers of larvae (Noff and Ebdy) 1937, 23, 567
- , localization of *Giardia muris* in (Hegner and Eskridge) 1938, 24, 511
- , maintenance of *Balanidium* in (Atchley) 1935, 21, 183
- , natural elimination of *Giardia muris* from (Hegner and Eskridge) 1938, 24, 475
- , transmission of immunity against *T. lewisi* from mother rats to offspring (Culbertson) 1938, 24, 65
- , new nematode from (Yokogawa) 1920, 7, 29
- , Norway, two species of coccidia from (Becker and Hall) 1931, 18, 115
- , on diets of different protein content, numbers of *Trichomonas muris*

in relation to pH and bacteria in cecum of (Ratcliffe) 1928, 15, 143

___, of different strains, oocysts produced by *Eimeria pirivara* during immunization of (Becker and Hall) 1932, 19, 159

___, oxygen capacity of blood in trypanosome infections (Johnson) 1932, 19, 160

___, parasites of (Cram) 1928, 15, 72

___, pathology of *N. muris* in (Porter) 1935, 21, 226

___, quantitative studies of experimental infections with *Balantidium coli* in (Gabalidon) 1934, 20, 331

___, reaction to graded numbers of *Nippostrongylus* larvae (Graham) 1933, 20, 128

___, relation of vitamin A to development of resistance, to superinfections with *N. muris* (Spindler) 1933, 20, 72

___, relation of vitamin A to louse resistance in (Searis and Snyder) 1939, 25, 425

___, of *Endamoeba muris* and *Chilomastix betencourti* to diet and intestinal condition of (Ratcliffe) 1929, 16, 75

___, resistance, natural and artificial, to infection with *S. vaeiti* (Sheldon) 1936, 22, 533

___, to infections with *Capillaria hepatica* (Lutermoser) 1937, 23, 559

___, superinfection with *N. muris*, following administration of adult worms by duodenal tube (Spindler) 1934, 20, 326

___, *Schistosomium douthitti* in (Pener) 1939, 25 Suppl, 8

___, *Schizosolana signodontis*, a new tapeworm of (Chandler and Santes) 1922, 8, 123

___, sex ratio of *T. spiralis* from digestive tract of (Gursch) 1939, 25 Suppl, 23

___, strains of *N. muris* and their behavior in various strains of (Graham and Porter) 1934, 20, 323

___, strongyleid, *N. muris*, activity of infective larvae of (Africa) 1931, 17, 196

___, transmission of resistance against *T. lewisi* from passively immunized, trichomonas-free, colony of (Heger) 1939, 25, 182

___, mother to young (Culbertson) 1936, 22, 408

___, tropical mites of, and endemic typhus (Dove and Shelburne) 1932, 18, 159

___, vitamin A-deficient diet in relation to infection with *E. muris* (Frye and Meleney) 1937, 23, 228

___, white, comparative study of acaricidasis of (Skidmore) 1932, 19, 172

___, development of *Sarcocystis tenella* in (Scott) 1927, 13, 215

___, experimental infestation with *Hepaticola hepatica* (Shorb) 1931, 17, 151; 233

___, study of effects of *Cyathostern fasciolaris* on (Miller and Dawley) 1927, 14, 122; 1928, 15, 87

___, trichinized, effect of irradiated ergosterol on (Wanland) 1936, 22, 537

___, *Aphophallus denticis* in (Price) 1931, 18, 55

___, wild, caught in Baltimore, *E. hispidula* and other protozoa in (Andrews) 1934, 20, 334

___, in Washington, D. C., intestinal parasites in (Price and Cinnwood) 1931, 18, 55

___, *Moniliformis moniliformis* in (Hoffman) 1930, 16, 169

___, (*Rattus norvegicus*), in U.S.A. *Gonygonyema neoplasticum* in (Lueker) 1931, 18, 55

___, wood, transmission of *Giardia lamblia* and *G. muris* to (Bonestell) 1935, 21, 317

___, young, development of resistance to pathogenic effects of *T. lewisi* (Herrick and Cross) 1936, 22, 126

___, *T. lewisi* (Herrick) 1932, 19, 158

___, of genus *Ortha*, *Cyrtolidia ortha* n. sp. from (Urbke) 1926, 12, 199

___, *Reindeer*, migration of warbles in (Dove and Gushing) 1933, 20, 138

___, *Nematodius formidi* n. sp. from (Hadwen) 1922, 9, 48

___, parasites of, in northern Alaska (Hadwen) 1922, 9, 38

___, warble injuries to hides of (Dove and Gushing) 1933, 20, 138

___, cross-infection experiments with three species of amoebae from (Geiman) 1937, 23, 557

___, eleven cases of amoebiasis in (Ratcliffe and Geiman) 1933, 20, 139

___, experimental amebic infection in (Ratcliffe and Geiman) 1934, 20, 328

___, found in North America, coccidia of (Rondabush) 1937, 23, 354

___, four new trematodes from (Bennett) 1935, 21, 83

___, nematodes of, status of *Rhabdias* (Chu) 1936, 22, 130

___, of China, *Acanthocephala* from (Van Cleave) 1936, 22, 530

___, of Houston, Texas and vicinity, helminths parasitic in (Harwood) 1931, 18, 120

___, *Reticulitermes flavipes*, microsporidian in (Kudo) 1938, 24, 377

___, *Rhinoceros*, fossil, actinomycosis in (Mocdie) 1922, 9, 28

___, *sondaicus*, two new helminths from (Sandground) 1933, 19, 192

___, *Choanotaenia tola*, new tapeworm from (Lincolme) 1939, 25, 203

___, new variety of *Plasmodium relictum* from (Haff) 1937, 23, 400

___, *Rodents* and insectivores, Nigerian, ticks found on (Pearse) 1927, 14, 128

___, cross-infection experiments with coccidia of (Becker) 1933, 19, 230

___, of Scuridae, some external parasites of (McCampbell) 1937, 23, 535

___, *Root knot*, nemata, (*Caecoma radici-cola*), effects of ammonium thiocyanate upon larvae of (Cooper) 1933, 20, 64

___, *Ruminants*, relationship between intussuscia of ruminant stomach and their host (Becker and Schutz) 1929, 16, 96

___, *Sables*, coccidia of (Yakimoff and Gousséff) 1934, 20, 251

___, *Salamanders*, four-toed, *Haplophrya michiganensis*, new protozoon, from (Woodhead) 1928, 14, 177

___, probable method of infection with protozoon, *Haplophrya michiganensis* (Woodhead and Krudeniér) 1936, 22, 107

___, of North Carolina, helminths from (Rankin) 1937, 23, 29

___, *Polysaristir bifonnis*, flagellate from (Tanabe) 1925, 12, 97

___, species of *Rhabdias* occurring in (Cobb) 1926, 13, 88

___, *Salmon*, Pacific, myxosporidian in (Fish) 1939, 25, 169

___, poisoning, so-called, anatomy and systematic position of causative agent of (Wienberg) 1932, 18, 258

___, *Sceloporus undulatus*, common swift *Endolimax reynoldsi*, n. sp. from its testine of (McFall) 1926, 12, 15

___, *Sitona coprophila*, biological notes on *Tetradonema phleas*, of (Hungerford) 1919, 5, 18

___, midge-insect, *Tetradonema phleas* representing new family, *Tetra domematidae*, found parasitic in (Hungerford) 1919, 5, 17

___, *Sea cucumber*, Bermuda, new parasitic tubellaria from (Messeve) 1934, 20, 271

___, lion, *Contracectum oscitatum* from (Cram) 1923, 9, 238

___, urelin(s), larval *Echinocystidium* in (Hopkins) 1935, 21, 314

___, Bermuda, ciliates from (Biggar and Wernich) 1932, 18, 252

___, ciliates from (Powers) 1932, 19, 168

___, of Acapulco, ciliates in (Powers) 1936, 22, 541

___, *Seed*, commercial, nemas on (Cobb) 1924, 11, 107

___, from South Africa, importation of *Tylenchus dipstici* on (Cobb) 1924, 11, 96

___, teasel, nematized (Cobb) 1928, 15, 69

___, *Selachophorus pedicularis*, intermediate host for *Rattulinea (Strydina) es-tellus* (Jones) 1930, 16, 158

___, *Shark*, (*Carcharias commersonii*), nematode eggs on nose of (MacCallum) 1925, 11, 221

___, dasky, (*Carcharhinus obscurus*), *Rhynchobothrium turgens* n. sp. from (Linton) 1921, 8, 22

___, *Sheep*, acquired resistance to superinfection with *Cooperia curticei* (Andrews) 1937, 23, 559

___, American, *Gloitiidum* in abomasum of (Alicata) 1930, 16, 162

___, and lambs, weedy parasite egg counts on feces of (Marsh) 1936, 22, 379

___, ascariid in abomasum of (Andrews) 1932, 19, 94

___, *Ascaris* in bile ducts of (Schwartz) 1929, 15, 223

___, attacked by *Lurilia* sp. (Harwood and Jerstad) 1938, 24 Suppl, 23

___, *Balanitium* from (Hegner) 1924, 11, 75

___, carbon tetrachloride poisoning in (Shaw) 1937, 23, 536

- , course of trichostrongyle infestation in (Cameron and Stewart) 1937, 23, 569
- , domestic, species differentiation in coccidia from (Christensen) 1938, 24, 453
- , economic importance, life history and control of *M. expansa*, (Freeman) 1933, 20, 131
- , epizootic tick-borne tularaemia in Montana (Phillip) 1934, 20, 338
- , experimental infections with twisted wireworm, *Haemonchus contortus* in (Stoll) 1929, 15, 217
- , *Trichomonas foetus* infection in (Andrews and Rees) 1936, 22, 108
- , *F. hepatica* in pancreas of (Huffman) 1931, 18, 51
- , grazing, rates of acquisition of *M. expansa* of (Stoll) 1937, 23, 568
- , hemorrhage associated with stomach worm infection in (Andrews) 1938, 24 Suppl, 17
- , in Colorado, gid in (Hall) 1921, 7, 198
- , New Mexico, larvae of *Diplostomatia* collected from (Dijkman) 1931, 18, 46
- , infected with *Haemonchus contortus*, detection of proteins in sera of (Stunberg) 1932, 19, 156
- , intestinal amoebae and flagellates from (Hegner and Schuncker) 1928, 15, 31
- , intradermal tests with *Haemonchus* extracts in (Stoll and Nelson) 1930, 17, 116
- , mountain, *Trichostrongylus rugosus* in (Price) 1930, 16, 161
- , *Neumatodius* in (Carrice) 1922, 9, 39
- , nodules in wall of 4th stomach due, *Ostertagia ostertagi* (Schwartz) 1929, 15, 223
- , otacariasis in bighorn (Ward) 1915, 1, 121
- , (*Ovis aries*), experimental infections with *Ostertagia circumcincta* (Threlkeld and Downing) 1936, 22, 187
- , mountain, (*Ovis canadensis*), in slowstone National Park, *Ostertagia marshalli* from (Dijkman) 1932, 19, 83
- , parasitized with one *Monitiza cristata* each (Stoll) 1936, 22, 161
- , pasture rotation and prevalence of helminth parasites of, in southwest Virginia (Threlkeld) 1939, 25 Suppl, 34
- , production of artificial immunity against hydatid disease in (Turner et al) 1937, 23, 43
- , seasonal fluctuation in number of eggs of trichostrongylid worms in faeces of ewes (Taylor) 1935, 21, 175
- , second case of *Fasciola magna* in (Hall) 1914, 1, 106
- , segregation of lambs at birth and feeding of cow's milk in elimination of parasites (Smith and Ring) 1927, 13, 260
- , tapeworm cysts from oesophagus of (Dijkman) 1932, 19, 90
- , *M. expansa* glimpse into life history of (Sintsin) 1931, 17, 223
- , transmission of cattle nematodes to (Stoll) 1936, 22, 386
- , unusually early infestation with *F. hepatica* (Huffman) 1931, 18, 51
- , *Signodan hispidus*, new species of *Longistria* from (Chandler) 1932, 19, 25
- , *Stimulium occidentale*, transmitting *Leucocytozoon smithi* infection in turkeys (Skidmore) 1931, 18, 130
- , **Skate** from Woods Hole, trypanosome of (Kudo) 1923, 9, 179
- , **Skunk**, nematode *Skrjabinophylus chitwoodorum* n. sp. from (Hill) 1939, 25, 475
- , new species of coccidia from (Andrews) 1928, 14, 193
- , spotted, new unarmored tapeworm from (Peery) 1939, 25, 487
- , **Sloth**, three toed, intestinal amoebae and flagellates from (Hegner and Schuncker) 1928, 15, 31
- , **Slug**, land, (*Agriolimax agrestis*), *Colpoda steini*, facultative parasite of (Reynolds) 1936, 22, 48
- , (*Pharyngodon dorsalis*), *Palaemon phelenchus parvulus* in intestine of (Chittwood and Chittwood) 1932, 19, 91
- , **Smelt**, microsporidian in (Schradler) 1921, 7, 151
- , **Snail(s)**, as intermediate hosts of *Acanthocephala* (Whitlock) 1939, 25, 443
- , cysticercoids of *Darvulic proglottida* found in four species of (Jones) 1929, 15, 223
- , double infestations of, with cercariae of digenetic trematodes (Cort et al) 1935, 21, 433
- , escape of cercariae from (Cort) 1922, 8, 177
- , *Fossaria olivata* important intermediate host of *Fasciola gigantica* in Hawaii (Alicata and Swanson) 1937, 23, 106
- , from Lake Erie, cystocercous cercariae of *Mirabilis* Group in (Dyckerman) 1937, 23, 566
- , (*Galba bulimoides techella*), new host for *Paramphistomum cervi* (Knull) 1933, 20, 108
- , (*_____*), rediae and cercariae of *F. hepatica* found in (Sintsin) 1929, 15, 222
- , (*Helisoma antrosa*), morphology of amphistome, (*Cercaria pocanensis*), from (Willey) 1936, 22, 68
- , immunity reactions to penetration of cercariae of strigoid, *Cotylurus flabelliformis* (Nolf and Cort) 1933, 20, 38
- , importance of determining hydrogen ion concentration of water (Bartsch) 1929, 15, 287
- , measures against, in schistosomiasis (Leiper) 1921, 8, 92
- , infested with sporocysts of strigoid, *Cotylurus flabelliformis*, immunity to penetration of cercaria (Winfield) 1932, 19, 130
- , intermediate host for *Diphlostomum flaticundum*, precocious development of metacercaria stage in (Cort and Brackett) 1937, 23, 545
- , inversion in periodicity of emission of cercariae from (Giovannola) 1936, 22, 292
- , Japanese, as intermediate hosts of trematodes (Bartsch) 1921, 7, 187
- , Lymnaeidae, two new species of strigoid cercariae in (Brackett) 1939, 25, 263
- , near Washington infested with several species of larvae of family Harinosomidae (Sintsin) 1929, 15, 222
- , new hosts for *Fasciola hepatica* (Knull) 1933, 20, 49
- , *_____ magna* (Knull) 1933, 20, 107
- , North American fresh-water, larval trematodes from (Cort) 1914, 1, 65
- , (*Pseudocercaria columbella*), new host for *Paramphistomum cervi* (Knull) 1933, 20, 108
- , toxic effect of copper for (Knull) 1933, 20, 109
- , two injurious, introduced in Texas (Bartsch) 1924, 10, 26
- , *Trinotula aculeata* in (Chandler) 1934, 20, 31
- , variation in (Bartsch) 1921, 7, 19
- , **Snake**, bull, (*Ptyopsis (sic) sayi*), tape worms from (Mleggett) 1934, 20, 18
- , South American, new pit-producing mite from scales of (Fawcett) 1933, 20, 55
- , water, *Zenogorhis nutricei* n. sp., trematode from (Hoff and Allison) 1935, 21, 197
- , **Sparrow(s)**, artificial extension of intervals between oöcyst-peaks in cocidium of (Boughton et al) 1933, 20, 123
- , common English, (*Passer domesticus*), incidence of coccidia, in (Skidmore) 1934, 20, 331
- , diurnal periodicity in oöcyst-production of *Isopora* of (Boughton) 1932, 19, 177
- , English, intestinal parasites of in Illinois (Hopkins and Wheaton) 1935, 21, 316
- , artificial infestation with gapeworm *Syngamus trachea* (Cavaller) 1932, 19, 93
- , **Squirrel**, (*Citellus franklini*), new species of coccidia from (Hall and Knippling) 1935, 21, 128
- , flying, (*Glimucus zolgens*), two *Eimeria* from (Roundbush) 1937, 23, 107
- , fox (*Sciurus niger rufescens*), coccidium from (Knippling and Becker) 1935, 21, 417
- , ground, *Giantia beckeri* n. sp., from (Hegner) 1926, 12, 203
- , (*Sciurus carolinensis*), larval tapeworms in organs of (Schwartz) 1928, 15, 67
- , *Stagnicola emarginata angulata*, ecological studies on cercariae in, in Douglas Lake region, Michigan (Cort et al) 1937, 23, 504
- , **Starling**, European, experimental infection with *Laeochoilonium* (McIntosh and McIntosh) 1939, 25 Suppl, 25
- , *Hymenolepis formicivora* in (Chapin) 1921, 7, 186
- , **Stem nema**, distribution in U.S.A. (Cobb) 1929, 15, 290
- , *Tylenchus dipari*, effect of derris extract and rotenone upon (Cooper) 1933, 20, 74

_____, methods of com-
bating (Cobb) 1929, 15, 291
Trichostrongylus axei, ciliate endoparasite
in (Kepner and Carroll) 1923, 10, 99
Stringer, new species of screw worm
Acarophis, from gills of (Cobb)
1928, 14, 199
_____, spotted, two cestodes from (Lin-
ton) 1916, 3, 34
Strawberry, wild, stem nematode in, in
Oregon and Washington (Godfrey)
1923, 9, 244
Struthio camurus, *Castosomum struthio-*
comis from (Hall) 1921, 7, 201
Stucker, common, (*Castosomus commersoni*), occurrence of trypanoplasm in
blood of (Mavor) 1915, 2, 1
Swine (see also hogs, pigs)
_____, anomalous *Ascaris imbricoides*
from (Harwood) 1934, 20, 314
_____, ascariasis in (Rafnspenger)
1921, 7, 187
_____, ascaris larvae as cause of liver and
lung lesions in (Schwartz and Alh-
cata) 1932, 19, 17
_____, attempt to produce intratracheal in-
festation in (Shillinger)
1924, 10, 210
_____, *Balantidium coli* from, in culture
(Levine) 1939, 25, 401
_____, partial purification
of (Glaser and Conia) 1935, 21, 190
_____, concerning life history of lung-
worms of (Schwartz and Alcata)
1931, 18, 21
_____, condemnation of parts of, in meat
inspection for parasitism (Hall)
1928, 14, 203
_____, control of *Ascaris* in (Ransom)
1925, 12, 108
_____, encysted nematode larvae in liver
and lungs of (Schwartz and Alcata)
1930, 16, 168
_____, hookworm of (Hall)
1923, 9, 241
_____, incidence of protozoa in (Alcata)
1932, 18, 310
_____, kidney worm, control of (Schwartz
et al) 1933, 20, 129
_____, _____, in yearling calf (Spind-
ler) 1930, 17, 52
_____, *Stephanurus dentatus*,
skin penetration tests with infective
larvae of (Spindler) 1933, 20, 76
_____, lungworms, ingestion of inflamma-
tory exudate by (Porter)
1936, 22, 411

_____, *Metastomus salini* from, in
U.S.A. and Philippines (Schwartz)
1924, 11, 109
_____, nodular worm, *Pompholyta didactyla*
in, in Cook Island, South Seas
(Schwartz) 1926, 13, 83
_____, _____, *Oscophlagostomum dan-*
atum, survival of eggs and infective
larvae of (Spindler) 1936, 22, 529
_____, occurrence and distribution of
Cysticercus cellulosae in Texas
(Price) 1925, 12, 81
_____, phenothiazine for removal of asca-
rids and nodular worms from (Har-
wood et al) 1938, 24 Suppl. 16
_____, second case of *Stephanurus den-
tatus*, kidney worm from, in liver of
cattle (Hall) 1921, 8, 95
_____, unusual location for adult kidney
worm, *S. dentatus*, of (Niehber)
1931, 17, 236
_____, use of vermifuges in treatment of
(Foster) 1915, 1, 155
_____, specific identity of whipworms
from (Schwartz) 1926, 13, 83
Tadpole(s), blood disease in (Cort and
Brackett)
1937, 23, 563; 1938, 24, 263
_____, frog and toad, effects of diet on in-
testinal protozoa of (Heegner)
1922, 9, 51
_____, morphology of *Mastrigyna hylae*
from intestine of (Becker)
1925, 11, 213
Tapirs, of Panama, ticks from (Dunn)
1934, 20, 312
Termites and their protozoa, relative
weights of (Katzin and Kirby)
1939, 25, 444
_____, comparative morphology of de-
vesovirid flagellates of (Kirby)
1933, 20, 121
_____, distribution of flagellates of
(Kirby) 1933, 20, 121
_____, trichomonad flagellates from
(Kirby) 1930, 17, 109
Terns, Forster's, (*Sterna forsteri*),
Eimeria mesereri, new coccidia from
(Cooney) 1935, 21, 449
_____, resistance to infestation with
Cryptosporidie linguæ (Whitely)
1933, 20, 135
Tick experimentally determined as vec-
tor of anaplasmosis in U.S.A. (Dik-
mans) 1932, 19, 85
_____, larvae, (*Hemaphysalis leporis-
palustris*), in Minnesota, *Irodophagus*
terranus, parasite in (Larson)
1937, 23, 496

HOST INDEX

_____, (*Oryzithorax hernsti*), progress
of spirochaete infection in develop-
mental stages of (Wheeler)
1936, 22, 544
_____, western dog, (*Dornacoccus occi-
dentalis*), vector of bovine anaplasmosis
(Herns and Howell)
1936, 22, 283
Tiphia didominialis, crane fly, intestinal
protozoa of larvae of (Geiman)
1932, 19, 173
Tortoises, Galapagos, intestinal proto-
zoa from (Geiman and Wichterman)
1937, 23, 331
_____, land new anoplocephalid, *Ochto-
ristica edithentoni* from (Stelman)
1939, 25, 479
Trematode, *Hexamita* in reproductive
system of (Hummin and Wichter-
man) 1938, 24, 95
_____, larvae of *Gordius* parasitic in
(Cort) 1915, 1, 198
_____, sporozoan parasite of (Martin)
1936, 22, 536
Triatoma, natural infection of American
human trypanosomiasis in two species
of (Kroford and Whitaker)
1936, 22, 259
_____, two species from Mexico naturally
infected with *Trypanosoma cruzi*
(Whitaker and Mazzotti)
1937, 23, 537
Triphens viridescens, *Diplostomulum* of
(Shaw) 1933, 20, 132
_____, *Plagioria parva* n. sp. from
(Stunkard) 1933, 20, 134
TROUT, intestinal flagellate of (Davis)
1923, 9, 153
TURKEY(S) and chickens, comparative
resistance to *A. lineata* (Ackert and
Eisenbrandt)
1933, 20, 129; 1935, 21, 200
_____, as a host of *Cheliosiphura hamulosa*
(Ransom and Hall) 1924, 10, 209
_____, at Bethesda, Md., *Capillaria mela-
gryis-galloparvo* from (Cran)
1925, 11, 230
_____, cultures of *Poiteirichomonas* sp. in
vitro from livers of (Allen)
1938, 24 Suppl. 13
_____, domestic, trematode, *Imphimerus*
in liver of (Price) 1931, 18, 51
_____, eastern wild, cestodes from
(Williams) 1931, 18, 14
_____, flagellate character and reclassifi-
cation of parasite producing blackhead
in (Tyzzer) 1920, 6, 124
_____, gapeworm in (Ransom)
1920, 6, 200

_____, in Puerto Rico, *Stenobrya brumpti*,
from (Cran) 1926, 12, 16
_____, *Leucocytozoon smithi* in, in south
eastern U.S.A. (Travis et al)
1939, 25, 271
_____, infection in, and trans-
mission by *Sinanthum occidentale*
(Skidmore) 1931, 18, 136
_____, life history of *Metrolasthes lucida*
tapeworm of (Jones) 1930, 17, 53
_____, mouth, acanthocephalid larvae from
esophagus of (Price) 1929, 15, 290
_____, *Trichomonas dixerca* n. sp. and its
association with disease of (Volkmar)
1930, 17, 85
_____, typhloperititis of blood alterations
in (Johnson and Lange)
1938, 24 Suppl. 12; 1939, 25, 157
TURTLE(S), American, life history of
Spirova sp. from (Hedrick)
1931, 18, 120
_____, box, (*Terrapene carolina*), mye-
litis, due to larvae suggestive of
Sarcophaga corollina (Ewing)
1926, 12, 180
_____, freshwater, new protocephalid
monostome from (A Mackin)
1930, 17, 25
_____, hemoglobin in parasites of (Whar-
ton) 1938, 24 Suppl. 21
_____, life cycle and systematics of
Eustomos chelydrae in (McMullen)
1935, 21, 52
_____, of *Cercovris medius* of
(McMullen) 1934, 20, 248
_____, loggerhead, (*Cercaria corvina*), two
new trematodes from (Lindman)
1935, 21, 274
_____, new blood fluke from (Ward)
1921, 7, 114
_____, occurrence of *Tyrophonus* in cae-
cum of (Das Gupta) 1935, 21, 125
_____, painted, sarcophagid larvae from
(Chidester) 1915, 2, 48
_____, parasitic lesions in (Wierow-
wski) 1931, 18, 134; 1939, 25, 395
_____, soft shelled, *Vasitremia annularis*
n. g., n. sp., from vascular system of
(Stunkard) 1927, 13, 218
_____, some parasites of Oklahoma (Har-
wood) 1931, 18, 98
Vertebrates of eastern Nebraska, blood
parasites from (Cooney)
1935, 21, 440
Wahoo, (*Acanthocephalum schlanderi*),
great trematodes from (Nierrell and
Stunkard) 1937, 23, 567

- Warbler**, mourning, new trematode, *Uroteleus justiformis* from (McIntosh) 1935, 21, 55
- Wasps** parasitized by Stylopidae (Chapin) 1920, 7, 99
- Water boatman**, (*Arctocorixa inter-rupia*), *Herpetomonas arctocorixae* entozoic in (Becker) 1927, 14, 85
- Waterfowl**, young infested by leeches in northwest Iowa (Sooter) 1937, 23, 108
- Water snake**, brown, *Leptophyllum ardis*, a new trematode from (Byrd and Rondabush) 1939, 25, 471
- , (*Natrix rhombifera*) from Columbus, Mississippi, *Ranifer ornithi*, new trematode of (Byrd) 1936, 22, 229
- Water strider**, (*Gerris remigis*), observations on morphology and life cycle of *Cribidia gerridis* in (Becker) 1923, 9, 141
- Weasel**, coccidia of (Kingscote) 1937, 23, 540
- W hale**, (*Balcanoptera muscilia*), tapeworm from (Chapin) 1921, 7, 197
- Wheat**, new species of *Heterodera* found on, in Saskatchewan, Canada (Thorne) 1928, 15, 71
- Wood**, pine, *Aphelanthus* species in (Steiner) 1930, 16, 161
- Woodchuck**, *Eimeria monacis* n. sp. from (Fish) 1930, 17, 98
- Worms**, oligochaete, host-parasite relationship of larval trematodes in (Dobrovolsky) 1938, 24 Suppl. 26
- Zalophus californianus*, California sea lion, new liver fluke, *Zalophotrema hepaticum* from (Stunkard and Alvey) 1929, 16, 106
- Zelleriella* (Ciliata), amoeba parasitic in (Stabler) 1933, 20, 122

Copies of this Index may be obtained (currently at
\$2.00 each) from the

TREASURER

AMERICAN SOCIETY OF PARASITOLOGISTS
615 N. WOLFE ST.
BALTIMORE, MD.