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The Genus *Hymenolepis* Weinland 1858

BY

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## FOREWORD

It is a pleasure to acknowledge the kindly assistance of many persons whose generous help proved to be indispensable to a satisfactory completion of this study. Dr. Gerrit S. Miller, Jr., of the United States National Museum, supplied references necessary to the determination of the proper scientific names of mammalian hosts. Dr. E. W. Price of the United States Department of Agriculture checked on the status and authorship of certain *Hymenolepis* specific names. The writer is particularly indebted to a personal friend, Mr. Jesse T. Davis, for a great deal of gratuitous aid in connection with the typing and proofreading of the manuscript.

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# THE GENUS HYMENOLEPIS WEINLAND 1858\*

R. CHESTER HUGHES

## I. INTRODUCTION

The genus *Hymenolepis* Weinland 1858 contains well over three hundred recognized species and subspecies of tapeworms parasitic in various birds and mammals as definitive hosts. The voluminous literature on the group contains no recent general summary, although lists of species (sometimes with keys for their identification) in certain types of hosts or in certain geographical regions have been published. The amateur worker finds it very difficult to classify specimens or to determine whether they represent a new form. This condition was forcibly brought to mind when the writer recently had occasion to help some students with their descriptions (Schultz 1939, and others still unpublished) of some new species of *Hymenolepis*. Subsequently this compendium was prepared and is here offered as an introduction, with "working bibliography," to the genus. In a separate paper to be published later the writer is preparing a descriptive key to the species of *Hymenolepis*.

No attempt has been made to settle any questions of synonymy in this paper. It is intended rather to reflect the *status quo* of prevailing opinion on the validity of species and their proper generic affiliations. A few new combinations have been made for species transferred to *Hymenolepis* by published opinion, but not formally listed in that genus. Six new names have been proposed to replace homonyms. It is not unlikely that many of the specific names listed below will eventually be relegated to synonymy—indeed the validity of some has already been questioned as their several accounts will show. Many of the older names have not been subjected to recent inquiry. Some of these may prove to be mere *nomina nuda*. Certainly many of them were proposed with such brief and inadequate descriptions that they cannot now be definitely identified with any particular species, although some may, on the basis of host and geographic records, be arbitrarily ascribed to better known forms.

It is almost too much to hope, in a review of such a large group of species, that errors have not been made. It is not unlikely that some recent names and changes in synonymy have been overlooked. For such omissions and other shortcomings the writer begs the reader's forbearance.

Recent descriptions of the genus *Hymenolepis* occur in Meggitt 1924b, Fuhrmann 1932, Meggitt and Subramanian 1927, Baylis 1929, and Joyeux and Baer 1936a.

In the classification of Joyeux and Baer 1936a the genus *Hymenolepis* Weinland 1858 belongs to the subfamily **Hymenolepidinae** Perrier 1897, family **Hymenolepididae** Fuhrmann 1907, order **Cyclophyllidea** Braun 1900, subclass **Cestoda** Carus 1855, class **Cestoidea** Rudolphi 1808, and phylum **Platyhelminthes** Claus 1880.

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*Synonyms*.—*Proglottis* Dujardin 1843, used as an artificial group—Stiles and Hassall 1912. *Diplacanthos* Weinland 1858 not *Diplacanthos* Agassiz 1842, a fish. *Lepidotrias* Weinland 1858, named originally as one of two subgenera of *Hymenolepis* (the other subgenus, *Dilepis*, has since attained full generic recognition), was used as a generic name by Cohn 1899. *Milina* van Beneden 1873—Joyeux and Baer 1936a. *Staphylocystis* Villot 1877 (larval form)—Blanchard 1891. *Cerozystis* Villot 1882. *Echinocotyle* Blanchard 1891—reduced to subgeneric rank by Clerc 1902, Fuhrmann 1906, and Ransom 1909—

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still accorded full generic status by some (Baylis 1929, Joyeux and Baer 1936a). *Drepanidotaenia* Railliet 1892—Stiles 1896, Fuhrmann 1906, Ransom 1909, *Dicranotaenia* Railliet 1892—Cohn 1901. *Triorchis* Clerc 1903 (not *Triorchis* Kaup ante 1846, a bird) proposed as new name for *Hymenolepis*. *Hymenofmbria* Skriabine 1914—López-Neyra 1931; validity of this genus not questioned by Joyeux and Baer 1936a. *Weinlandia* Mayhew 1925, *Wardium* Mayhew 1925, and *Hymenolepis* (sensu stricto) all proposed by Mayhew for genera resulting from a splitting of the old *Hymenolepis* into three, a classification questioned by Baer 1927b, Meggitt 1927a, and Joyeux 1928 and now generally disregarded. *Fuhrmanniella* Shen Tseng 1933—Joyeux and Baer 1935a.

In the groups above-listed the type species are now located in *Hymenolepis*. The names of many present-day *Hymenolepis* species have also appeared in genera whose type species are not now in *Hymenolepis*, namely, *Alyselminthus* Zeder 1800, *Anoplocephala* Blanchard 1848, *Anomotaenia* Cohn 1901, *Aloparaksis* Clerc 1903, *Choanotaenia* Railliet 1896, *Davainea* Blanchard and Railliet 1891, *Dilepis* Weimland 1853, *Diorchis* Clerc 1903, *Echinorhynchoaenia* Fuhrmann 1909, *Halysis* Zeder 1803, *Monopylidium* Fuhrmann 1899, and *Taenia* Linnaeus 1758.

Developmental stages of some of the species have been referred to the larval groups *Cysticeercoides* Leuckart (date †), *Scolex* Müller 1787, *Cysticeercus* Zeder 1800, *Staphylocystis* Villot 1877, *Cercocystis* Villot 1882, *Monocercus* Villot 1882.

*Lapsus* in spelling of generic names that have appeared in combination with present-day names of *Hymenolepis* species: *Himenolepis* Diamare 1893, *Hymenolepsis* Huber 1896, *Hymenolipes* Cohn 1904, *Heminolepis* Fuhrmann 1906, *Hymenolepis* Clerc 1907, *Hymenolegis* Fuhrmann 1908, *Hymenolepim* Fuhrmann 1932, *Alyhelminthus* Gower 1939, *Diplocanthus* Cohn 1899, *Echynocotyle* Clerc 1903, *Dieranotaenia* Cohn 1901, *Dicranotaenia* Reuther 1901, *Dicrotaenia* von Linstow 1904, *Staphylocistis* Mégnin 1880, *Stapylocystis* von Linstow 1904, *Toenia* von Nordmann 1840, *Haploparaxis* Mayhew 1925, *Carco-cystis* Gower 1939.

According to López-Neyra 1931 *Fimbriaria* Frölich 1802 is an artificial group comprising species some of which should be removed to *Diorchis* and others to *Hymenolepis*. He regards the type species, *Fimbriaria fasciolaris* (Pallas 1781) Wolffhügel 1899, as being identical with *Hymenolepis tenuirostris* (Rudolphi 1819) Cohn 1901. If this interpretation, apparently not yet recognized by subsequent workers, should become accepted, *Hymenolepis* would become a synonym of *Fimbriaria* whose synonymy already contains *Epision* Linton 1892 and *Notobothrium* von Linstow 1905. Joyeux and Baer 1936a place *Fimbriaria* in a separate subfamily (Fimbriariinae Wolffhügel 1899) from *Hymenolepis*.

## II. THE SPECIES OF HYMENOLEPIS

In the synonymies given below the oft-repeated generic names, *Alyselminthus*, *Cercocystis*, *Cysticeercus*, *Dicranotaenia*, *Dilepis*, *Drepanidotaenia*, *Halysis*, *Hymenolepis*, *Taenia*, and *Weinlandia*, are respectively abbreviated to *A.*, *Cer.*, *Cyst.*, *Dicr.*, *Dil.*, *Drep.*, *Hal.*, *H.*, *T.*, and *W.* In the individual accounts, scientific and author names, on repetition, are abbreviated to the initial letter, except where longer abbreviations are necessary to avoid confusion. The abbreviation "la." for "lapsus" (singular or plural) is used to designate erroneous spelling or otherwise inadvertent usage of wrong names.

The preparation of the list was greatly facilitated by the lists of all species by Stiles and Hassall 1912 and Fuhrmann 1924, of mammalian species by Meggitt 1924b and Baer 1926a, of avian species by Fuhrmann 1932, of species in France by Joyeux and Baer 1936a, and of insectivoran and chiropteran species by Hübscher 1937. Additional names were found in *Biological Abstracts* and *Zoological Record* and some of the more recent ones were taken directly from original sources.

In the individual accounts, information is listed without separate subheadings in this order: synonyms (other generic combinations of the valid specific name, *lapsus* in spelling, true synonyms with their various combinations and "lapsus," special names for larval forms), orders (in bold-faced type) to which definitive hosts belong following the classification in current usage in *Biological Abstracts*, hosts of larva, geographic distribution, and citations to any important recent studies or accounts of the species not otherwise indicated. Absence of data on any of these phases implies that none was discovered by the writer. Host records are expressed in terms of orders and distribution in terms of large geographic areas because it is felt that general information will be of more immediate value to the reader and that anyone seeking factual details will naturally turn to original sources. The dash-author-date expression, used to cite a source of forestated information or opinion, especially with regard to synonymy, does not refer to the authorship of the name in question. Such a citation generally applies to the foregoing statement back only to the first semicolon, colon, or period.

The list which follows does not include the names of a number of tape-worm larvae of which the definitive forms are unknown. Although none of these names has appeared in combination with *Hymenolepis*, they have all been listed with generic or larval group names regarded in this paper as being synonymous, at least in part, with *Hymenolepis*. The group includes (1) *Cysticercus glomeridis* Villot 1881 = *Monocercus g.* (V.) Villot 1882 = *Staphylocystis g.* (V.) Braun 1883, (2) *Dicranotaenia dubia* Daday 1900, (3) *Drepanidotaenia ratzi* Daday 1900, (4) *Echinocotyle linstowi* Daday 1900, (5) *Echinocotyle mrazeki* Daday 1900, and (6) *Echinocotyle polyacantha* Daday 1900.

1. *Hymenolepis abortiva* (von Linstow 1904) von Linstow 1905.—*T. (H.) voluta* (v. L. 1904) v. L. 1904, la. for *T. (H.) a.*; *H. v.* (v. L.) Fuhrmann 1924; *T. a.* v. L. 1904; *W. a.* (v. L.) Mayhew 1925; *H. abortiva* v. L. 1905, la.; *H. upsilon* Rosseter 1911—F. 1924. **Anseriformes.** Germany; Egypt. Meggitt 1927a; Joyeux and Baer 1936a. See p. 29.

2. *Hymenolepis acicula-sinuata* Rosseter 1909.—**Anseriformes.** England. *H. acicula* Gower 1939. This species should probably be removed to some other genus since there are but 2 testes, no cirrus pouch, and no external genital pore. See p. 29.

3. *Hymenolepis acridotheridis* (Parona 1890) Fuhrmann 1924.—*T. a.* P. 1890. **Passeriformes.** Burma—Meggitt 1926a. See p. 33.

4. *Hymenolepis acuta* (Rudolphi 1819) Blanchard 1891.—*T. a.* R. 1819; *T. (Berthia) a.* (R.) Parona 1900; *T. "obtusata"* of van Beneden 1873, *T. obtusa* Meggitt 1924, la.—M. 1924. **Chiroptera.** Europe; Egypt. M. 1927a; Joyeux and Baer 1936a. See p. 35.

5. *Hymenolepis aequabilis* (Rudolphi 1810) Cohn 1901.—*T. a.* R. 1810; *Dicr. a.* (R.) Railliet 1893; *Drep. a.* (R.) Cohn 1900; *H. (Drep.) a.* (R.) C. 1901. **Anseriformes.** Germany. Joyeux and Baer 1936a. See p. 29.

6. *Hymenolepis alpestris* Baer 1931.—**Insectivora.** Switzerland. See p. 34.

7. *Hymenolepis ambigua* Clerc 1906.—*H. ambiguus* C. 1906, original spelling; *Wardium ambiguum* Mayhew 1925. **Gruiformes.** Russia. See p. 31.

8. *Hymenolepis amphitricha* (Rudolphi 1819) Fuhrmann 1906.—*T. a.* R. 1819; *Drep. a.* (R.) Cohn 1901; *W. a.* (R.) Mayhew 1925. **Charadriiformes.** Russia. Joyeux and Baer 1936a. See p. 32.

9. *Hymenolepis anatina* (Krabbe 1869) Cohn 1901.—*T. a.* K. 1869; *Drep. a.* (K.) Railliet 1893; *Dil. a.* (K.) Cohn 1899; *Dicr. a.* (K.) Wolffhügel 1900; *H. (Drep.) a.* (K.) C. 1901; *Cyst. taeniae-anatinae* (K.) Mrázek 1891; *Cyst. hymenolepidis-anatinae* (K.) Lühe 1910. **Anseriformes; Gruiformes; Galliformes.**—Chapman 1935. Larva in Cypridae and Gammarus. Europe; Egypt—Meggitt 1927a; California—O'Roke 1928; Formosa—Sugimoto 1934. Development—Schmidt 1894. Joyeux and Baer 1936a. See p. 29, 31.

10. *Hymenolepis anceps* Linton 1927.—**Anseriformes.** Massachusetts. See p. 29.

11. *Hymenolepis angularostris* Sugimoto 1934.—**Anseriformes**. Formosa. See p. 29.
12. *Hymenolepis annandalei* Southwell 1922.—*W. a.* (S.) Mayhew 1925. **Charadriiformes**. India. See p. 32.
13. *Hymenolepis anthocephalus* Van Gundy 1935.—*H. acanthocephalus* V. G. 1935, la. **Insectivora**. Michigan. See p. 34.
14. *Hymenolepis arcuata* Kowalevski 1904.—*W. a.* (K.) Mayhew 1925; *H. arcuata* Fuhrmann 1906, la. **Anseriformes**. Europe. Joyeux and Baer 1936a. See p. 29.
15. *Hymenolepis ardeae* Fuhrmann 1906.—*T. unilateralis* Rudolphi 1819, *Dil. u.* (R.) Clerc 1906, *H. u.* (R.) F. 1906, all in part—Ransom 1909. **Ciconiiformes**. South America; North America—Linton 1927. See p. 28.
16. *Hymenolepis armata* Fuhrmann 1906.—*W. a.* (F.) Mayhew 1925. *H. arcuata* F. 1906 la. **Columbiformes**. Brazil. See p. 33.
17. *Hymenolepis arvicolae* (Blanchard 1891) Meggitt 1924b.—*T. a.* B. 1891 (July), *T. inermis* von Linstow 1878 not *T. i.* Moquin-Tandon 1860 renamed; *T. a.* Moniez 1891 (after October), also new name for *T. i.* v. L. 1878; *Anoplocephala a.* (B.) von Janicki 1906. **Rodentia**. Locality not recorded. See p. 35.
18. *Hymenolepis asymmetrica* von Janicki 1904.—*H. asymetrica* Fuhrmann 1924, la. not *H. asymetrica* F. 1918 (see *H. hassalli*); *H. arvicolae* Gallivalerio 1930 not *H. arvicolae* (Blanchard 1891) Meggitt 1924b—Baer 1932. **Rodentia**. Switzerland. Joyeux and B. 1936a. See p. 35.
19. *Hymenolepis bacillaris* (Göze 1782) Blanchard 1891.—*T. b.* G. 1782; *Hal. b.* (G.) Zeder 1803; *T. bacillaris* Bose 1802, la. **Insectivora**. Europe; North America—Leidy 1855; Burma. Meggitt 1931; Joyeux and Baer 1936a. See p. 34.
20. *Hymenolepis balsaci* Joyeux and Baer 1934.—**Chiroptera**. France. See p. 35.
21. *Hymenolepis barroisii* (Moniez 1880) Fuhrmann 1924.—*T. b.* M. 1880; *T. barroisii*, la., probably a *Hymenolepis*—Blanchard 1891. **Insectivora**. Europe. See p. 35.
22. *Hymenolepis baschkiriensis* (Clerc 1902) Fuhrmann 1906.—*Drep. b.* C. 1902; *H. baschkienis* F. 1924, la. **Charadriiformes**. Russia. Joyeux and Baer 1936a. See p. 32.
23. *Hymenolepis bauchei* Joyeux 1924.—**Galliformes**. Indochina. Meggitt 1926b; Joyeux and Baer 1936a. See p. 31.
24. *Hymenolepis biaculeata* Fuhrmann 1909.—*H. biaculata* F. 1924, la. **Anseriformes**. Africa; Burma—Meggitt 1931. See p. 29.
25. *Hymenolepis bilateralis* von Linstow 1905.—**Anseriformes**. Asia. See p. 29.
26. *Hymenolepis bilharzii* (Krabbe 1869) Fuhrmann 1906.—*T. b.* K. 1869; *H. bitharzii* Mayhew 1925, *H. bilharzi* F. 1932, *T. bilharzi* (F.) F. 1932, la. **Passeriformes**. Egypt; Somaliland—Joyeux, Baer, and Martin 1936; France—J. and Timon-David 1936. See p. 33.
27. *Hymenolepis bisaccata* Fuhrmann 1906.—**Anseriformes**. South America. See p. 29.
28. *Hymenolepis bisacculina* (Szpotañska 1931) mihi.—*Drep. b.* S. 1931. **Anseriformes**. Australia. See p. 29.
29. *Hymenolepis brachycephala* (Creplin 1829) Cohn 1901.—*T. b.* Creplin 1829; *Drep. b.* (Creplin) Cohn 1900; *H. (Drep.) b.* (Creplin) Cohn 1901; *T. brachycephala* Morell 1895, la.; *Cyst. hymenolepidis-brachycephalae* (Creplin) Lühe 1910. **Charadriiformes**. Larva in *Cyclops*. Europe. Joyeux and Baer 1936a. See p. 32.
30. *Hymenolepis brasiliensis* Fuhrmann 1906.—*H. brasiliense* F. 1906, original spelling. **Caprimulgiformes**. Brazil. See p. 33.
31. *Hymenolepis breviannulata* Fuhrmann 1906.—**Ciconiiformes**. Brazil. See p. 28.



32. *Hymenolepis brevicirrosa* Fuhrmann 1912.—**Passeriformes**. Oceania. See p. 33.
33. *Hymenolepis brevis* Fuhrmann 1906.—*W. b.* (F.) Mayhew 1925. **Passeriformes**. Calcutta—Meggett 1933. Joyeux and Baer 1936a. See p. 34.
34. *Hymenolepis cantaniana* (Polonio 1860) Ransom 1909.—*T. c.* P. 1860; *Davainea c.* (P.) Blanchard 1891; *W. c.* (P.) Joyeux and Houdemer 1927; *T. kantianiana* Schneidemühl 1896, la.; *H. inermis* Yoshida 1910—J. and H. 1927; *Davainea oligophora* de Magalhães 1898—Railliet and Lucet 1899; *H. o.* (d. M.) Fuhrmann 1924; larva of *Urocystis* type—J. and Baer 1936a. **Galliformes**. Larva in Scarabaeidae—Jones and Alicata 1935. Europe; North America; South America; Asia; Africa—Le Roux 1926. See p. 31.
35. *Hymenolepis capensis* von Janicki 1904.—**Insectivora**. South Africa. Recent account—Hübscher 1937. See p. 35.
36. *Hymenolepis capillaris* (Rudolphi 1810) Parona 1896.—*T. c.* R. 1810; *Dicr. c.* (R.) Stossich 1898; *Drep. c.* (R.) Cohn 1901; *T. minuta* Braun in R. 1810 not *T. m.* Krabbe 1869, *T. colymbi-cornuti* R. 1819, *T. colymbi-cristati* R. 1810—Diesing 1850. **Gaviiformes**; **Colymbiformes**. Europe. Joyeux and Baer 1936a. See p. 28.
37. *Hymenolepis capillaroides* Fuhrmann 1906.—*Wardium c.* (F.) Mayhew 1925. **Colymbiformes**. Brazil. See p. 28.
38. *Hymenolepis caprimulgorum* (Fuhrmann 1906) Fuhrmann 1906.—*Drep. c.* F. 1906, la. for *H. c.*; *Wardium c.* (F.) Mayhew 1925. **Caprimulgi-formes**. Brazil. See p. 33.
39. *Hymenolepis carioca* (de Magalhães 1898) Ransom 1902.—*Davainea c.* d. M. 1898; *W. c.* (d. M.) Mayhew 1925; *T. conardi* Zürn 1898—Fuhrmann 1908; *H. carica* Rosseter 1907, la.; *H. pullae* Cholodkovski 1913—Joyeux and Baer 1935a. **Galliformes**—see Jones and Chapman 1935. Larva in Coleoptera—Cram and Jones 1929, Jones 1929, Culliver and Jones 1933, and Horsfall 1938; in *Stomoxys*—Joyeux and B. 1936a. Cosmopolitan. See p. 31.
40. *Hymenolepis caroli* (Parona 1887) Fuhrmann 1906.—*T. c.* P. 1887; *T. (H.) c.* (P.) P. 1900; *W. c.* (P.) Mayhew 1925. **Ciconiiformes**. Europe. See p. 28.
41. *Hymenolepis cebidarum* Baer 1927a.—Listed as *H. c.* B. 1924 by Fuhrmann 1924 and Baer 1926a. **Primates**. Brazil. See p. 35.
42. *Hymenolepis cercopithecii* Baer 1927b.—**Primates**. West Africa. See p. 35.
43. *Hymenolepis charadrii* Yamaguti 1935.—**Charadriiformes**. Japan. See p. 32.
44. *Hymenolepis chionis* Fuhrmann 1921.—*W. c.* (F.) Mayhew 1925. **Charadriiformes**. Antarctica. See p. 32.
45. *Hymenolepis cholodkovskii* Hilmy 1936.—New name for specimens identified as *H. villosa* (Bloch) by Clerc 1906. **Gruiformes**. Russia. See p. 32.
46. *Hymenolepis christensoni* Macy 1931.—**Chiroptera**. Minnesota. See p. 35.
47. *Hymenolepis chrysochloridis* von Janicki 1904.—**Insectivora**. South Africa. Hübscher 1937. See p. 35.
48. *Hymenolepis chrysolampidis* Clapham 1936.—**Micropodiformes**. Brazil. See p. 33.
49. *Hymenolepis clandestina* (Creplin in Krabbe 1869) Cohn 1904.—*T. c.* K. 1869; *Drep. c.* (K.) Cohn 1901; *H. (D.) c.* (K.) Cohn 1904; *H. clandestina* Fuhrmann 1906, la. **Charadriiformes**. Europe. See p. 32.
50. *Hymenolepis clausa* von Linstow 1906.—**Anseriformes**—Meggett 1931; **Columbiformes**—Johri 1934. Asia. See p. 29, 33.
51. *Hymenolepis clercki* Fuhrmann 1924.—Not *H. c.* (Shen Tseng 1933) Joyeux and Baer 1935a. *H. interruptus* Clerc 1906 not *H. interrupta* (Rudolphi 1802) Fuhrmann 1908; *H. interrupta* (C.) Joyeux and Baer 1936a; *W. interrupta* (C.) Mayhew 1925. **Passeriformes**. Russia; Rangoon—Meggett 1926a. See p. 34.

52. *Hymenolepis collaris* (Batsch 1786) Fuhrmann 1908.—*T. c.* B. 1786, new name for *T. collaris nigro* Bloch 1782; *W. c.* (B.) Mayhew 1925; *T. torquata* Gmelin 1790—Fuhrmann 1908; *Hal. t.* (G.) Zeder 1803; *T. breviararticulata* Göze in Zeder 1800 renamed; *A. sinuosus* Z. 1800—Diesing 1850; *Hal. sinuosa* (Z.) Z. 1803; *T. sinuosa* (Z.) Rudolphi 1810; *T. s.* a *Lepidotrias* (subgenus of *H.*)—Weinland 1858; *Drep. sinuosa* (Z.) Railliet 1893; *Dil. sinuosa* (Z.) Cohn 1899; *H. (Drep.) sinuosa* (Z.) Cohn 1901; *T. infundibuliformis (anserum)* Diesing 1850—Stiles 1896; *T. bairdii* Krefft 1871—Johnston 1912; *T. sinuosa* Braun 1898, *T. sinuosa* Fuhrmann 1908, *T. bairdi* Stiles 1896, la.; *Cyst. hymenolepidis-collaris* (B.) Lühe 1910; *Cyst. taeniae-sinuosae* (Z.) Mrázek 1891; *Cer. drepanidotaeniae-sinuosae* (Z.) Railliet 1893. **Anseriformes.** Larva in *Diaptomus*, *Cyclops*, *Cypris*, and *Gammarus*. Cosmopolitan. Larva—Joyeux 1926, 1929. J. and Baer 1936a. See p. 29.

53. *Hymenolepis columbae* (Zeder 1800) Railliet and Henry 1909.—*A. c.* Z. 1800; *Hal. c.* (Z.) Z. 1803; *Davainea c.* (Z.) Blanchard 1891; *T. c.* (Z.) B. 1899; *T. sphenoccephala* Rudolphi 1810—R. and H. 1909; *H. s.* (R.) Fuhrmann 1906; *W. s.* (R.) Mayhew 1925; *T. turturis* Gmelin 1790, *T. serpentiformis turturis* (G.) Rudolphi 1810, and *T. serpentiformis turturis* F. 1908 la.—F. 1908. **Columbiformes.** Europe; Rhodesia. Joyeux and Baer 1936a. See p. 33.

54. *Hymenolepis columbina* Fuhrmann 1909.—*W. c.* (F.) Mayhew 1925. **Columbiformes.** Africa. See p. 33.

55. *Hymenolepis compressa* (Linton 1892) Kowalevski 1904.—*T. c.* L. 1892; *H. megarostellis* Solowiow 1911—Fuhrmann 1932; *H. negarostriis* Gower 1939, la. **Anseriformes.** North America; Europe; Asia. Joyeux and Baer 1936a. See p. 29.

56. *Hymenolepis conscripta* (Railliet and Henry 1909) Fuhrmann 1924.—*T. c.* R. and H. 1909, new name for *T. krabbei* Kowalevski 1894 not *T. k.* Moniez 1879; *Drep. k.* (K.) Zürn 1898; *H. k.* (K.) Joyeux and Baer 1936a. **Anseriformes.** Europe. See p. 29.

57. *Hymenolepis contracta* von Janicki 1904.—**Rodentia.** Germany; Egypt. Meggitt 1927a; M. and Subramanian 1927. See p. 35.

58. *Hymenolepis coronoidis* Tubangui and Masiluñgan 1937.—**Passeriformes.** Philippine Islands. See p. 34.

59. *Hymenolepis coronula* (Dujardin 1845) Cohn 1901.—*T. c.* D. 1845; *Dicr. c.* (D.) Railliet 1892; *Drep. c.* (D.) Parona 1899; *T. (H.) c.* (D.) C. 1901; *W. c.* (D.) Mayhew 1925; *H. carenula* Skrzjabin 1926, la.; *H. megalhystera* von Linstow 1905—Fuhrmann 1908; *H. megalhystera* F. 1906, la.; *Cer. dieranotaeniae-coronulae* (D.) Railliet 1893; *Cyst. taeniae-coronulae* (D.) Mrázek 1891; *Cyst. coronula* (D.) Rosseter 1897; *Cyst. hymenolepidis-coronulae* (D.) Lühe 1910. **Anseriformes.** Larva in Cypridae. Europe; Asia; North America. Linton 1927; Joyeux and Baer 1936a. See p. 29.

60. *Hymenolepis corvi* (Mayhew 1925) Fuhrmann 1932.—*W. c.* M. 1925. **Passeriformes.** Illinois. See p. 34.

61. *Hymenolepis crassa* von Janicki 1904.—**Rodentia.** Europe. Meggitt and Subramanian 1927 regard *H. crassa* as a synonym of *H. diminuta*; Joyeux and Kobozieff 1928 regard it as a synonym of *H. microstoma*; Baer 1930 considers both views untenable. See p. 35.

62. *Hymenolepis crenata* (Göze 1782) Kostylew 1915.—*T. c.* G. 1782; *A. crenatus* (G.) Zeder 1800; *Hal. c.* (G.) Z. 1803. **Piciformes.** Germany. Considered a synonym of *T. fasciata* Rudolphi 1810 by R. 1810, Diesing 1850, and Fuhrmann 1908, this name (*crenata*) was restored by Kostylew 1915. See p. 33.

63. *Hymenolepis creplini* (Krabbe 1869) Cohn 1901.—*T. c.* K. 1869; *Dicr. c.* (K.) Stossich 1898; *Drep. c.* (K.) C. 1901; *Hymenofimbria merganseri* Skriabine 1914—López-Neyra 1931—the validity of *Hymenofimbria m.* was not questioned by Joyeux and Baer 1936a. **Anseriformes.** Europe. J. and B. 1936a. See p. 29.

64. *Hymenolepis cuneata* Mayhew 1925.—**Anseriformes.** Nebraska. See p. 29.

65. *Hymenolepis curiosa* (Szpotańska 1931) mihi.—*Drep. c. S.* 1931. **Anseriformes.** Australia. See p. 29.
66. *Hymenolepis cyrtoides* (Mayhew 1925) Fuhrmann 1932.—*W. c. M.* 1925. **Anseriformes.** Illinois. See p. 29.
67. *Hymenolepis dahurica* (von Linstow 1903) Fuhrmann 1906.—*T. d. v. L.* 1903; *H. dahmica* F. 1908, la. **Passeriformes.** Siberia. See p. 34.
68. *Hymenolepis decipiens* (Diesing 1850) Blanchard 1891.—*T. d. D.* 1850. **Chiroptera.** Brazil. Hübscher 1937. See p. 35.
69. *Hymenolepis diaphana* Kholodkowski 1906.—**Insectivora.** Europe. Joyeux and Baer 1936a. See p. 35.
70. *Hymenolepis diminuta* (Rudolphi 1819) Blanchard 1891.—*T. d. R.* 1819; *T. flavopunctata* Weinland 1858—Railliet 1893; *H. (T.) f. (W.) W.* 1858; *H. f. (W.) W.* 1859; *T. leptcephala* Creplin 1825—Lutz 1904; *T. varensina* Parona 1884, *T. minima* Grassi 1886—Lutz 1894; *T. diminuta* Zschokke 1899, *H. deminuta* Castellani and Chalmers 1910, *T. flavomaculata* Leuckart 1863, *T. flavopuncta* Cobbold 1864, *T. flavapuncta* Aitken 1874, *T. flaviopunctata* Vogt 1878, *T. flavopunktata* Stein 1882, *T. flavopunctata* Simon 1897, *T. ceptocephala* Lussana and Romaro (date ?), *T. septocephala* Perroncito and Airoidi 1888, *T. leptocephala* Previtera 1900, *T. varerina* Huber 1896, la.; *T. (H.) megaloon* von Linstow 1901 not *T. m.* Weinland 1861—Meggitt and Subramanian 1927; *H. m. (v. L.) Ransom* 1904; *H. diminutoides* Chodolovsky 1913—M. and S. 1927; *H. ognewi* Skriabine 1924 and *H. anomala* Splendore 1920—Joyeux and Foley 1930; *Cer. hymenolepis-diminutae* (R.) Railliet 1892; *Cyst. taeniae-diminutae* (R.) Dolly 1894; *Cyst. taeniae-flavopunctatae* (W.) Aitken 1866. **Rodentia; Primates.** Larva in Insecta and Myriopoda. Cosmopolitan. Intermediate hosts listed—Stiles and Hassall 1928, Hall 1929, Oldham 1931. Host resistance—Palais 1934. Anomalies—Palais 1933. Good descriptions—Zschokke 1888 and Ransom 1904. Baicalupou 1926, 1928a, 1938; Joyeux and Baer 1936a. See p. 35.
71. *Hymenolepis diorchis* Fuhrmann 1913.—*W. d. (F.)* Mayhew 1925. **Anseriformes.** Sweden. Joyeux and Baer 1936a. See p. 29.
72. *Hymenolepis dodecacantha* Baer 1925.—*H. fülleborni* and *H. loossi*, both of Hilmy 1936—Hübscher 1937; *H. fuelleborni* Hübscher 1937. **Insectivora.** Belgian Congo. See p. 35.
73. *Hymenolepis dolosa* Joyeux and Baer 1928.—*H. (Echinocotyle) d. J. and B.* 1928; *E. d. (J. and B.)* Fuhrmann 1932; “*Echinocotyle mrazeki* Daday” of J. 1926 and “*Hymenolepis (Echinocotyle) mrazeki* Daday” of J. and B. 1928—J. and B. 1928. **Passeriformes.** Africa. See J., B., and Martin 1936. See p. 34.
74. *Hymenolepis ductilis* Linton 1927.—**Charadriiformes.** Massachusetts. See p. 32.
75. *Hymenolepis echinocotyle* Fuhrmann 1907.—**Anseriformes.** Germany; India—Meggitt 1933; China—Shen Tseng 1932a. Joyeux and Baer 1936a. See p. 29.
76. *Hymenolepis elongata* Fuhrmann 1906.—**Ciconiiformes.** Brazil. See p. 28.
77. *Hymenolepis erinacei* (Gmelin 1790) Blanchard 1891.—*T. e. G.* 1790; *Hal. e. (G.) Rudolphi* 1810; *H. erynacei* Zeder 1803, la.; *T. compacta* R. 1810, *T. tripunctata* Braun in R. 1810—von Janicki 1906. **Insectivora.** Cysticercoids in villi of *Erinaceus*—Joyeux 1927a. Europe. Joyeux and Baer 1936a. See p. 35.
78. *Hymenolepis erinacei steudeneri* von Janicki 1904.—*H. s. v. J.* 1904; *H. steudneri* Baer 1926a, la. **Insectivora.** Germany. Joyeux and B. 1936a. See p. 35.
79. *Hymenolepis evaginata* Barker and Andrews in Barker 1915.—**Rodentia.** Nebraska; England—Baylis 1935. See p. 36.
80. *Hymenolepis exigua* Yoshida 1910.—**Galliformes.** Larva in *Orchestia*—Alicata 1936. Japan—Sugimoto 1934; Burma—Meggitt 1926b; Hawaii—A. 1936. Joyeux and Baer 1936a, A. and Chang 1939. See p. 31.

81. *Hymenolepis exilis* (Dujardin 1845) Fuhrmann 1906.—*T. e. D.* 1845; *Davainea e.* (D.) Blanchard 1899. **Galliformes.** Europe; Burma—Meggitt 1926b. Probably identical with *H. carioca*—Joyeux and Baer 1935a. See p. 31.

82. *Hymenolepis falcata* Meggitt 1927a.—**Host unknown.** Egypt. See p. 36.

83. *Hymenolepis fallax* (Krabbe 1869) Cohn 1901.—*T. f. K.* 1869; *Lepidotrias f.* (K.) Cohn 1899. **Anseriformes.** Larva in *Gammarus*—Joyeux and Baer 1936a. Greenland; Europe. See p. 29.

84. *Hymenolepis falsata* Meggitt 1927a.—**Gruiformes.** Egypt. See p. 32.

85. *Hymenolepis fanatica* Meggitt 1927a.—**Ciconiiformes.** Egypt. See p. 28.

86. *Hymenolepis farciminosa* (Göze 1782) Fuhrmann 1908.—*T. f. G.* 1782; *Hal. f.* (G.) Zeder 1803; *W. f.* (G.) Mayhew 1925; *T. farcimimalis* Batsch 1786, *T. farcimimosa* renamed; *Hal. farcimimalis* (B.) de Blainville 1828; *H. farcimimalis* (B.) Blanchard 1891; *Diplacanthus farcimimalis* (B.) Volz 1899; *T. farcimimula* de B. 1824, la.; *T. sturni* Gmelin 1790—Diesing 1850; *T. "acridotherides* of Parona 1890" and *H. "dahurica"* of Southwell 1922—S. 1930; "A. . . . crenatus (Goeze, 1782) Zeder, 1800; *Hal. . . . crenata* (G. . . .) Z. . . . 1803 in part"—Gower 1939. **Passeriformes.** Europe; Asia—Meggitt 1926a and 1933. Joyeux and Baer 1936a. See p. 34.

87. *Hymenolepis fasciculata* Ransom 1909.—"New name for *Taenia fasciata* Rudolphi of Krabbe, 1869. *Taenia fasciata* Rudolphi = *Taenia setigera* Frölich, 1789"—Ransom 1909; *Dil. fasciata* (R. of K.) Cohn 1899; *H. (Drep.) fasciata* (R. of K.) Cohn 1901. Since two species of *H.* have been confused under the name *fasciata* the writer is unable to disentangle their synonymies. Thus many of the synonyms listed for *H. setigera*, No. 273 below, are probably also synonyms in part of *H. fasciculata*. **Anseriformes.** Larva in *Cyclops* and *Diaptomus*. Europe. Joyeux and Baer 1936a. See p. 29.

88. *Hymenolepis fausti* (Shen Tseng 1932) Fuhrmann 1932.—*Fuhrmanniella f. S. T.* 1932. **Anseriformes.** China. See p. 29.

89. *Hymenolepis fedtschenkowi* Solowiow 1911.—*H. fedtschenkowi*, la., very similar to *H. villosa*—Joyeux and Baer 1936a. **Galliformes.** Europe. See p. 31.

90. *Hymenolepis fernandensis* Nybelin 1931.—**Passeriformes.** Juan Fernández Islands. See p. 34.

91. *Hymenolepis ficticia* (Meggitt 1927b) Fuhrmann 1932.—*W. f. M.* 1927b. **Pelecaniformes.** Burma. See p. 28.

92. *Hymenolepis filirostris* (Wedl 1855) Fuhrmann 1906.—*T. f. W.* 1855. **Ciconiiformes.** Europe. Joyeux and Baer 1936a. See p. 28.

93. *Hymenolepis fitla* Meggitt 1933.—*H. fitla* Nicoll 1934, la. **Ciconiiformes.** Calcutta. See p. 28.

94. *Hymenolepis fimula* Meggitt 1933.—**Anseriformes.** Calcutta. See p. 29.

95. *Hymenolepis finta* Meggitt 1933.—**Strigiformes.** Calcutta. See p. 33.

96. *Hymenolepis fista* Meggitt 1933.—**Anseriformes.** Calcutta. See p. 29.

97. *Hymenolepis flagellata* Fuhrmann 1906.—*W. f.* (F.) Mayhew 1925. **Anseriformes.** Brazil. See p. 29.

98. *Hymenolepis flaminata* Meggitt 1930.—*H. furcifera* M. 1927a not *H. f.* (Krabbe 1869) Fuhrmann 1906; *H. flaminata* Nicoll 1931, la. **Gruiformes.** Egypt. See p. 32.

99. *Hymenolepis flamingo* Skriabine 1914.—**Ciconiiformes.** Asia. Joyeux and Baer 1936a. See p. 28.

100. *Hymenolepis floreata* Meggitt 1930.—*H. pauciovata* M. 1927a not *H. p.* Fuhrmann 1906. **Anseriformes.** Egypt. See p. 29.

101. *Hymenolepis fola* Meggitt 1933.—**Charadriiformes**. Calcutta. See p. 32.
102. *Hymenolepis fona* Meggitt 1933.—**Anseriformes**. Calcutta. See p. 29.
103. *Hymenolepis foveata* Meggitt 1933.—**Anseriformes**. Calcutta. See p. 29.
104. *Hymenolepis francolini* Joyeux and Baer 1935a.—**Galliformes**. Indochina. See p. 31.
105. *Hymenolepis fraterna* Stiles 1906.—*H. nana* f. S. 1906, *T. murina* Dujardin 1845, not *T. m.* Gmelin 1790, renamed; *Lepidotrias m.* (D.) Weinland 1858; *H. m.* (D.) Blanchard 1891; *H. intermedius* Bacigalupo 1927, not *H. i.* Clerc 1906, renamed *H. bacigalupoi* Joyeux and Kobozieff 1928 also *H. b.* Skrjabin and Schulz 1928—Joyeux and Baer 1928b. Meggitt and Subramanian 1927 consider *H. f.* as a synonym of *H. nana* along with the names of the following forms reported from rodents: *H. inexpectata* Cholodkovsky 1913; *H. inexpecta* Meggitt 1924b, la.; *H. longior* Baylis 1922. *Cysticercoides taeniae-murinae* (D.) Braun 1898; *Cyst. taeniae-murinae* (D.) von Linstow 1902; *Cer. hymenolepis-murinae* (D.) Brumpt 1910; *Cer. hymenolepis fraterna* (S.) Bacigalupo 1931b. **Rodentia**. Cosmopolitan. Development usually direct (without intermediate host) but the larva has been found in various insects, naturally in some, experimentally in others—Bacigalupo 1928c, 1931a, and 1931b. The question of validity of *fraterna*, as distinct from *nana*, has been much debated. The opinion that the two forms are identical seems to prevail, nevertheless, the name *fraterna* is generally used in reference to specimens from rodents. The literature on this species is very extensive. Woodland 1924a; Joyeux and Foley 1929; Shorb 1933; and Hunninen 1935a, b, and c. See p. 36.
106. *Hymenolepis fryei* (Mayhew 1925) Fuhrmann 1932.—**Wardium** f. M. 1925. **Charadriiformes**. Washington (state). See p. 32.
107. *Hymenolepis fructifera* Meggitt 1927a.—**Anseriformes**. Egypt. Joyeux and Baer 1936a. See p. 29.
108. *Hymenolepis fruticosa* Meggitt 1927a.—*H. fruticosa* Fuhrmann 1932, la. **Anseriformes**. Egypt. See p. 29.
109. *Hymenolepis furcata* (Stieda 1862) Blanchard 1891.—*T. f. S.* 1862; *Lepidotrias f.* (S.) Cohn 1899; *W. f.* (S.) Meggitt 1927b. **Insectivora**. Larva in *Geotrupes*—Joyeux and Kobozieff 1928. Europe; Asia. J. and Baer 1936a. See p. 35.
110. *Hymenolepis furcifera* (Krabbe 1869) Szymanski 1905.—Not *H. f.* Meggitt 1927a. *T. f.* K. 1869. **Colymbiformes**. Europe. Joyeux and Baer 1936a. See p. 28.
111. *Hymenolepis futilis* Meggitt 1927a.—**Ciconiiformes**. Egypt. See p. 28.
112. *Hymenolepis giranensis* Sugimoto 1934.—**Anseriformes**. Formosa. See p. 30.
113. *Hymenolepis glandularis* Fuhrmann 1909.—*W. g.* (F.) Mayhew 1925. **Charadriiformes**. Africa. See p. 32.
114. *Hymenolepis globirostris* Baer 1925.—**Rodentia**. Belgian Congo. Meggitt and Subramanian 1927. See p. 36.
115. *Hymenolepis globocephala* Fuhrmann 1918.—*W. g.* (F.) Mayhew 1925. **Passeriformes**. Oceania. See p. 34.
116. *Hymenolepis globosa* Baer 1931.—**Insectivora**. Switzerland. See p. 35.
117. *Hymenolepis globulosa* Szpotańska 1931.—**Anseriformes**. Australia. See p. 30.
118. *Hymenolepis gracilis* (Zeder 1803) Cohn 1901.—*Hal. g. Z.* 1803; *T. g.* (Z.) Rudolphi 1810; *Drep. g.* (Z.) Railliet 1893; *Dil. g.* (Z.) Cohn 1899; *H. (Drep.) g.* (Z.) C. 1901; *W. g.* (Z.) Mayhew 1925; *T. collo longissimo* Bloch 1782—Diesing 1850; *Cer. drepanidotaeniae-gracilis* (Z.) Railliet 1893; *Cyst. taeniae-gracilis* (Z.) von Linstow 1872; *Cyst. g.* (Z.) Rosseter 1897; *Cyst. hymenolepidis-gracilis* (Z.) Lühe 1910. **Anseriformes**; **Gruiformes**. Larva in

Copepoda and Ostracoda. Europe; Egypt—Meggett 1927a; Formosa—Sugimoto 1934. Larva discussed—Lidner 1921, Joyeux 1930. J. and Baer 1936a. See p. 30, 32.

119. *Hymenolepis grisea* (van Beneden 1873) Joyeux and Baer 1936a.—*Milina g.* v. B. 1873. Adult and larva in **Chiroptera**. Europe. Development probably direct—J. and B. 1936a. See p. 35.

120. *Hymenolepis groenlandica* (Krabbe 1869) Fuhrmann 1906.—*T. g.* K. 1869; *Drep. g.* (K.) Cohn 1901. **Anseriformes**. Greenland. See p. 30.

121. *Hymenolepis hamulacanthos* Linton 1927.—**Anseriformes**. Massachusetts. See p. 30.

122. *Hymenolepis hassalli* Fuhrmann 1924.—*H. asymmetrica* F. 1918 not *H. asymmetrica* von Janicki 1904; *W. a.* (F.) Mayhew 1925. **Cuculiformes**. Oceania. See p. 33.

123. *Hymenolepis hemignathi* (Shipley 1898) Fuhrmann 1906.—*Drep. h.* S. 1898. **Passeriformes**. Sandwich Isles. See p. 34.

124. *Hymenolepis himantopodis* (Krabbe 1869) Fuhrmann 1906.—*T. h.* K. 1869, *T. vaginata* Rudolphi 1819, in part, renamed. **Charadriiformes**. Europe; Africa—Meggett 1927a; China—Shen Tseng 1933. Joyeux and Baer 1936a. See p. 32.

125. *Hymenolepis horrida* (von Linstow 1900) von Linstow 1901.—*T. (H.) h.* v. L. 1900; *H. procera* von Janicki 1904, *H. arvicolina* Cholodkovsky 1913—Baer 1932. **Rodentia**. Europe; Algeria—Joyeux and Foley 1930. Joyeux and Baer 1936a. See p. 36.

126. *Hymenolepis ibidis* Johnston 1911.—*W. i.* (J.) Mayhew 1925. **Ciconiiformes**. Australia. See p. 29.

127. *Hymenolepis importata* Fuhrmann 1918.—*W. i.* (F.) Mayhew 1925. **Passeriformes**. Oceania. See p. 34.

128. *Hymenolepis incognita* Meggett 1927a.—**Host unknown**. Egypt. See p. 36.

129. *Hymenolepis inhamata* Rietschel 1934.—**Micropodiformes**. Brazil. See p. 33.

130. *Hymenolepis innominata* Meggett 1927a.—**Charadriiformes**. Egypt. See p. 32.

131. *Hymenolepis intermedia* Clerc 1906.—*H. intermedius* C. 1906, original spelling, not *H. intermedius* Bacigalupo 1927; *W. i.* (C.) Mayhew 1925. **Cuculiformes**. Russia. According to Kostylev 1915 *H. i.* is very similar to *H. crenata*. Joyeux and Baer 1936a. See p. 33.

132. *Hymenolepis interrupta* (Rudolphi 1802) Fuhrmann 1906.—Not *H. interruptus* Clerc 1906. *T. i. R.* 1802; *W. i.* (R.) Mayhew 1925. **Charadriiformes**. Europe. Joyeux and Baer 1936a. See p. 32.

133. *Hymenolepis introversa* (Mayhew 1925) Fuhrmann 1932.—*W. i.* M. 1925. **Anseriformes**. Illinois; Calcutta—Meggett 1933. See p. 30.

134. *Hymenolepis jacobsoni* von Linstow 1907.—*T. j.* (v. L.) Meggett 1924b; *H. jacobsoni* Baer 1926a, la.; *W. minutissima* Meggett 1927b—Hübscher 1937; *H. m.* (M.) H. 1937. **Insectivora**. Java; Burma—M. 1927b; Tanganyika—Baylis 1934b. See p. 35.

135. *Hymenolepis jägerskiöldi* Fuhrmann 1913.—*H. jaegerskiöldi* F. 1924; *W. jaegerskiöldi* Mayhew 1925; *H. jaegerskiöldi* (M.) Nicoll 1930. **Anseriformes**. Europe. Joyeux and Baer 1936a. See p. 30.

136. *Hymenolepis japonica* Yamaguti 1935.—**Colymbiformes**. Japan. See p. 28.

137. *Hymenolepis kempii* (Southwell 1921) Mayhew 1925.—*Dil. k.* S. 1921. **Pelecaniformes**. Assam. This species still listed in *Dilepis* by Joyeux and Baer 1936a. See p. 28.

138. *Hymenolepis kerivoulae* Hübscher 1937.—**Chiroptera**. Java. See p. 35.

139. *Hymenolepis khalili* Hilmy 1936.—**Insectivora**. Liberia. Hübscher 1937. See p. 35.

140. *Hymenolepis kowalewski* Baczyńska 1914.—*H. kowalewski* Joyeux

and Baer 1936a. **Anseriformes; Gruiformes**—Meggett 1927a. Germany; Egypt. See p. 30, 32.

141. *Hymenolepis krabbeela* nom. nov.—*T. fragilis* Krabbe 1869 not *T. f.* Rudolphi 1802; *Drep. f.* (K.) Cohn 1901; *H. f.* (K.) Fuhrmann 1906; *T. "gracilis"* of Krabbe 1869—Clerc 1903. **Anseriformes.** Europe; China—Shen Tseng 1932. Joyeux and Baer 1936a. See p. 30.

142. *Hymenolepis lamellata* Woodland 1930.—**Anseriformes.** Australia. See p. 30.

143. *Hymenolepis lanceolata* (Bloch 1782) Stiles 1896.—*T. l.* B. 1782; *T. l.* Göze 1782; *Hal. l.* (B.) Zeder 1803; *T. l.* a *H. (Dil.)*—Weinland 1858; *Drep. l.* (B.) Railliet 1893; *Dil. l.* (B.) Cohn 1899; *T. acutissima* Pallas 1781, *T. anserum* Frisch 1727 in Rudolphi 1810, *H. a.* (F. in R.) Fuhrmann 1908, *T. anseris* Bloch 1779—F. 1908; *Cyst. taeniae-lanceolatae* (B.) Mrázek 1896; *Cer. hymenolepis-lanceolatae* (B.) Brumpt 1910; *Cyst. drepanidtaeniae-lanceolatae* (B.) Lühe 1910. **Anseriformes; Ciconiiformes; Colymbiformes; Primates.** Larva in *Cyclops* and *Diaptomus*. Europe. Life history—Ruskowski 1932. Ransom 1904; Szpotańska 1931; Joyeux and Baer 1936a. See p. 28, 29, 30, 35.

144. *Hymenolepis lanceolata szpotanskaica* nom. nov.—*Drep. l. lobata* Szpotańska 1931 not *H. lobata* Fuhrmann 1906. **Anseriformes.** Australia. See p. 30.

145. *Hymenolepis lateralis* (Mayhew 1925) Fuhrmann 1932.—*W. l. M.* 1925. **Charadriiformes.** Washington (state). See p. 32.

146. *Hymenolepis liguloides* (Gervais 1847) Cohn 1901.—*Hal. l. G.* 1847; *T. l.* (G.) Diesing 1850; *Dil. l.* (G.) Cohn 1899; *T. (H.) l.* (G.) Parona 1900; *Drep. l.* (G.) Cohn 1900; *W. l.* (G.) Mayhew 1925; *Diorchis oclusa* von Linstow 1906—Fuhrmann 1906. **Ciconiiformes.** Europe; Africa; Asia. Joyeux and Baer 1936a. See p. 29.

147. *Hymenolepis linea* (Göze 1782) Wolfhügel 1899.—*T. l. G.* 1782; *A. l.* (G.) Zeder 1800; *Hal. l.* (G.) Z. 1803; *H. (Drep.) l.* (G.) W. 1900; *Drep. l.* (G.) Cohn 1901. **Galliformes; Passeriformes and Anseriformes**—W. 1900. Europe. Joyeux and Baer 1936a. See p. 30, 31, 34.

148. *Hymenolepis lintonella* Fuhrmann 1932.—New name for specimens identified as *H. pachycephala* (von Linstow) by Linton 1927. **Colymbiformes.** Massachusetts. See p. 28.

149. *Hymenolepis lintoni* López-Neyra 1932.—New name for specimens identified as *H. macracanthos* (von Linstow) by Linton 1927. **Anseriformes.** Massachusetts. Joyeux and Baer 1936a. See p. 30.

150. *Hymenolepis liophallos* (Krabbe 1869) Fuhrmann 1906.—*T. l. K.* 1869; *Drep. l.* (K.) Cohn 1901; *T. liophallos* Stiles 1896, la.; *Cyst. liophallus* Rosseter 1897, la.; *T. liophallus* (R.) R. 1897; *H. liophallus* (R.) Fuhrmann 1906; *T. liophalus* Braun 1898, la. **Anseriformes.** Larva in *Cypris*—Rosseter 1897; in *Cyclocypris*—Daday 1900. Australia?—Fuhrmann 1924. Joyeux and Baer 1936a. See p. 30.

151. *Hymenolepis lloydi* Southwell 1926.—**Ciconiiformes.** Nigeria. See p. 29.

152. *Hymenolepis lobata* Fuhrmann 1906.—*W. l.* (F.) Mayhew 1925. **Anseriformes.** Brazil. See p. 30.

153. *Hymenolepis lobulata* Mayhew 1925.—**Colymbiformes.** Michigan. See p. 28.

154. *Hymenolepis longicirrosa* Fuhrmann 1906.—**Anseriformes.** Asia. Meggett 1927a; Joyeux and Baer 1936a. See p. 30.

155. *Hymenolepis longistylosa* Shen Tseng 1932.—**Anseriformes.** China. See p. 30.

156. *Hymenolepis longivaginata* Fuhrman 1906.—**Anseriformes.** Europe. See p. 30.

157. *Hymenolepis maclaudi* Joyeux and Baer 1928a.—**Insectivora.** Africa. Hübscher 1937. See p. 35.

158. *Hymenolepis macracanthos* (von Linstow 1877) Fuhrmann 1906.—*T. m.* v. L. 1877; *T. macracanthus* v. L. 1877, *Drep. macracanthus* (v. L.) Cohn

1901, *H. macrocanthos* F. 1906, *H. macracantha* Joyeux and Baer 1936a, la.; *H. macracanthoides* López-Neyra 1932—F. 1932. **Anseriformes.** Europe. See *H. lintoni*, No. 149 above. See p. 30.

159. *Hymenolepis macrocephala* Fuhrmann 1913.—**Anseriformes.** Sweden. Joyeux and Baer 1936a. See p. 30.

160. *Hymenolepis macrorchida* (Kotlán 1921) Fuhrmann 1932.—*Davainea* m. K. 1921. **Psittaciformes.** New Guinea. See p. 33.

161. *Hymenolepis macrosclidarum* Baer 1926.—Listed by Fuhrmann 1924 as *H. m. B.* 1924. **Insectivora.** South Africa. Hübscher 1937. See p. 35.

162. *Hymenolepis macrostrobilodes* (Mayhew 1925) Fuhrmann 1932.—*W. m. M.* 1925. **Anseriformes.** Illinois. See p. 30.

163. *Hymenolepis magniovala* Fuhrmann 1918.—*W. m.* (F.) Mayhew 1925. **Passeriformes.** Oceania. See p. 34.

164. *Hymenolepis magnirostellata* Baer 1931.—**Insectivora.** Switzerland. Joyeux and Baer 1936a. See p. 35.

165. *Hymenolepis magnisaccis* Meggitt 1927a.—**Charadriiformes.** Egypt. See p. 32.

166. *Hymenolepis magniuncinata* Meggitt 1927a.—**Pelecaniformes.** Egypt. Joyeux and Baer 1936a. See p. 28.

167. *Hymenolepis mayhewi* (Shen Tseng 1932) Fuhrmann 1932.—*W. m. S. T.* 1932. **Anseriformes.** China. Joyeux and Baer 1936a. See p. 30.

168. *Hymenolepis medici* (Stossich 1890) Fuhrmann 1906.—*T. m. S.* 1890; *W. m.* (S.) Mayhew 1925. **Pelecaniformes.** Europe; Africa. Joyeux and Baer 1936a. See p. 28.

169. *Hymenolepis megalops* (Nitzsch in Creplin 1829) Parona 1899.—*T. m. N.* in C. 1829; *W. m.* (N. in C.) Mayhew 1925; *T. anatis-marilae* Creplin 1825—Diesing 1850; *T. cylindrica* Kreff 1871—Johnston 1912. **Anseriformes.** Cosmopolitan. Joyeux and Baer 1936a. See p. 30.

170. *Hymenolepis megalorchis* (Lühe 1898) Cohn 1901.—*T. m. L.* 1898; *Dil. m.* (L.) Cohn 1899; *Drep. m.* (L.) Cohn 1900; *H. (Drep.) m.* (L.) C. 1901; *W. m.* (L.) Mayhew 1925. **Ciconiiformes.** Africa. Joyeux and Baer 1936a. See p. 29.

171. *Hymenolepis megalorhyncha* (Krabbe 1869) Cohn 1901.—*T. m. K.* 1869. Listed both in *H.* and in *T.* (s. lat.) by Fuhrmann 1908. **Charadriiformes.** Greenland. See p. 32.

172. *Hymenolepis meggitti* Shen Tseng 1932.—**Anseriformes.** China. See p. 30.

173. *Hymenolepis meleagris* (Clerc 1902) Fuhrmann 1906.—*Drep. m. C.* 1902; *W. m.* (C.) Mayhew 1925. **Galliformes.** Europe. See p. 31.

174. *Hymenolepis mesacantha* (Daday 1900) Meggitt 1933.—*Drep. m. D.* 1900; *Drep. mesocantha* D. 1900, la. Larva in *Diaptomus*. **Adult unknown.** Asia.

175. *Hymenolepis micraneristota* (Wedl 1855) Cohn 1901.—*T. m. W.* 1855; *T. micraneristota* Krabbe 1869, la. **Anseriformes.** Europe. Joyeux and Baer 1936a. See p. 30.

176. *Hymenolepis microcephala* (Rudolphi 1819) Fuhrmann 1906.—*T. m. R.* 1819; *T. leptoptili* von Linstow 1901—F. 1924; *H. l.* (v. L.) F. 1906; *T. multiformis* Creplin 1829—F. 1924; *Anomotaenia multif.* (Crep.) Cohn 1901; *H. multif.* (Crep.) F. 1906; *T. unguicula* Braun in Rudolphi 1810—Fuhrmann 1908; *H. leptoptile* Mayhew 1925, *T. unguiculata* van Beneden 1868, la. **Ciconiiformes; Charadriiformes.** Europe; Africa. Joyeux and Baer 1936a. See p. 29, 32.

177. *Hymenolepis microcirrosa* (Mayhew 1925) Fuhrmann 1932.—*W. m. M.* 1925. **Passeriformes.** Illinois. See p. 34.

178. *Hymenolepis microps* (Diesing 1850) Fuhrmann 1906.—*T. m. D.* 1850; *W. m.* (D.) Mayhew 1925; *H. tetraonis* Wolffhügel 1899—F. 1906; *T. t.* (W.) Cohn 1899; *T. tumens* Mehlis in Creplin 1846—Fuhrmann 1908. **Galliformes.** Europe. Joyeux and Baer 1936a. See p. 31.



179. *Hymenolepis microscolecina* Fuhrmann 1906.—*H. uncinata* F. 1906 not *H. u.* (Stieda 1862) Blanchard 1891; *W. m.* (F.) Mayhew 1925. **Passeriformes.** Brazil. See p. 34.

180. *Hymenolepis microsoma* (Creplin 1829) Cohn 1901.—*T. m.* C. 1829; *Dil. m.* (C.) Cohn 1899; *Drep. m.* (C.) Parona 1899; *T. (Drep.) m.* (C.) P. 1900; *H. (Drep.) M.* (C.) Cohn 1901; *W. m.* (C.) Mayhew 1925; *Monocercus lynnaei* Villot 1883, larva; *Cyst. l.* (V.) Lühe 1910; *Drep. microcoma* Cohn 1901, *M. lynnaei* Braun 1898, la.; *Cyst. lynnaei* (B.) Joyeux and Baer 1936a. **Anseriformes; Charadriiformes.** Larva in *Limnaea* and *Cyclops*. Europe; Asia. See *H. paramicrosoma*, No. 214 below. See p. 30, 32.

181. *Hymenolepis microstoma* (Dujardin 1845) Blanchard 1891.—*T. m.* D. 1845; *T. m.* a *Lepidotrias* (subgenus of *H.*)—Weinland 1858; *T. brachydera* Diesing 1854, *T. muris-decumani* Diesing 1863—Meggitt and Subramanian 1927; *Cer. tenebrionis* Villot 1882; *Cyst. t.* (V.) Leuckart 1886; *Cysticeercoides t.* (V.) Braun 1898; *Cysticeercus taeniae-microstomae* (D.) Dolly 1894; *Scolex (Onchoscolex) decipiens* Diesing 1853—Joyeux and Kobozieff 1928; *S. d. D.* 1854. **Rodentia.** Larva in *Insecta*. Europe; Africa—Baylis 1934, J. 1927b, and J., Baer, and Martin 1936; South America—Bacigalupo 1928c, e. Life history—J. and K. 1927, 1928. J. and B. 1936a. See p. 36.

182. *Hymenolepis minor* Ransom 1909.—*T. minuta* Krabbe 1869 not *T. m.* Braun in Rudolphi 1810; *H. m.* (K.) Zschokke 1903 not *H. m.* Baer 1926b; *Davainea m.* (K.) von Linstow 1904. **Charadriiformes.** Europe. See p. 32.

183. *Hymenolepis moghensis* Inamdar 1934.—**Charadriiformes.** India. See p. 32.

184. *Hymenolepis moniezi* Parona 1893.—*H. moniezi* Meggitt 1924b, also Fuhrmann 1924. **Chiroptera.** Bombay. See p. 35.

185. *Hymenolepis multiglandularis* Baczyńska 1914.—*H. (Echinocotyle) m. B.* 1914. **Charadriiformes.** Egypt. Joyeux and Baer 1936a. See p. 32.

186. *Hymenolepis multihamata* Meggitt 1927a.—**Falconiformes.** Egypt. See p. 31.

187. *Hymenolepis multistriata* (Rudolphi 1810) Cohn 1901.—*T. m. R.* 1810; *Dicr. m.* (R.) Stossich 1898; *Drep. m.* (R.) Cohn 1901. **Colymbiformes; Anseriformes.** Europe. Joyeux and Baer 1936a. See p. 28, 30.

188. *Hymenolepis muris-sylvatici* (Rudolphi 1819) Baer 1930.—*T. m.-s. R.* 1819. **Rodentia.** Europe. See p. 36.

189. *Hymenolepis muris-variegati* von Janicki 1904.—*H. muris-variegatus* Meggitt 1924b, la. **Rodentia.** Africa. Meggitt and Subramanian 1927. See p. 36.

190. *Hymenolepis muscosa* (Clerc 1902) Fuhrmann 1906.—*Drep. m. C.* 1902. **Galliformes.** Russia. Joyeux and Baer 1936a. See p. 31.

191. *Hymenolepis myoxi* (Rudolphi 1819) von Janicki 1904.—*T. m. R.* 1819; *T. sulcata* von Linstow 1879—Blanchard 1891. **Rodentia.** Europe. Joyeux and Baer 1936a. See p. 36.

192. *Hymenolepis myoxi-sciurina* Cholodkovsky 1913.—*H. s. C.* 1913; *H. myoxi-sciurina* Joyeux and Baer 1936a. **Rodentia.** Europe; Burma—Meggitt 1927b. J. and B. 1936a. See p. 36.

193. *Hymenolepis nagatyi* Hilmy 1936.—**Insectivora.** Liberia. Hübscher 1937. See p. 35.

194. *Hymenolepis naja* (Dujardin 1845) Fuhrmann 1906.—*T. n. D.* 1845; *T. sittae* Rudolphi 1819—Diesing 1850. **Passeriformes.** Europe; Egypt—Meggitt 1927a. *H. "naja"* of Southwell 1916 is an unidentifiable form—S. 1930. Joyeux and Baer 1936a. See p. 34.

195. *Hymenolepis nana* (von Siebold 1852) Blanchard 1891.—*T. n. v. S.* 1852; *Diplacanthus nanus* (v. S.) Weinland 1858; *T. nania* Küchenmeister 1855, la.; *T. aegyptiaca* Bilharz in v. S. 1852—v. S. 1852; *Cyst. taeniae-nanae* (v. S.) Aitken 1866; *Cyst. hymenolepidis-nanae* (v. S.) Lühe 1910; *Cer. hymenolepis nana* (v. S.) Bacigalupo 1928a. See *H. fraterna*, No. 105 above, for additional probable synonyms. **Primates.** Larva in *Homo* and *Tenebrio*. Cosmopolitan.

Development direct or indirect—Bacigalupo 1928b and d. Otto 1936 and Joyeux and Baer 1936a. See p. 35.

196. *Hymenolepis neoarctica* Davies 1938.—“*Hymenolepis fusus* (Krabbe)” of Linton 1927. **Charadriiformes.** Massachusetts; British Isles. See p. 32.

197. *Hymenolepis neomeggittilis* nom. nov.—*H. birmanica* Meggitt 1927a not *H. rugosa* b. M. 1924a. **Anseriformes.** Egypt. See p. 30.

198. *Hymenolepis neomidis* Baer 1931.—**Insectivora.** Switzerland. Joyeux and Baer 1936a. See p. 35.

199. *Hymenolepis neosouthwelli* nom. nov.—New name for specimens called “*Hymenolepis fusus* (Krabbe, 1869) Fuhrmann 1906” by Southwell 1922 and “*Hymenolepis fusa* . . .” by S. 1930. **Charadriiformes.** India. See p. 32.

200. *Hymenolepis nitida* (Krabbe 1869) Fuhrmann 1906.—*T. n.* K. 1869; *Drep. n.* (K.) Cohn 1901; *Echinocotyle n.* (K.) Clerc 1902; *H. (E.) n.* (K.) F. 1906. **Charadriiformes.** Europe; China—Shen Tseng 1933. Joyeux and Baer 1936a. See p. 32.

201. *Hymenolepis nitidulans* (Krabbe 1882) Fuhrmann 1906.—*T. n.* K. 1882; *Echinocotyle n.* (K.) F. 1906; *H. (E.) n.* (K.) F. 1906. **Charadriiformes; Passeriformes and Anseriformes**—Rosseter 1907. Europe. Larva in *Limnaca*—Harper 1930. Joyeux and Baer 1936a. See p. 30, 32, 34.

202. *Hymenolepis nyrocae* Yamaguti 1935.—**Anseriformes.** Japan. See p. 30.

203. *Hymenolepis obvelata* (Krabbe 1879) Fuhrmann 1924.—*T. o.* K. 1879. **Columbiformes.** Turkestan. Joyeux and Baer 1936a. See p. 33.

204. *Hymenolepis octacantha* (Krabbe 1869) Cohn 1901.—*T. o.* K. 1869; *Drep. o.* (K.) Cohn 1901; *H. (D.) o.* (K.) Cohn 1901; *W. o.* (K.) Mayhew 1925; *D. octocantha* Clerc 1903, *D. octocantha* Clerc 1905, la. **Anseriformes.** Europe. Joyeux and Baer 1936a. See *H. octacanthoides*, No. 205 below. See p. 30.

205. *Hymenolepis octacanthoides* Fuhrmann 1906.—New name for specimens identified as *Drep. octacantha* (Krabbe) by Cohn 1901; *H. (D.) o.* (K.) C. 1901; *H. octacanthoides* Joyeux and Baer 1936a, la. **Charadriiformes.** Africa. J. and B. 1936a. See p. 32.

206. *Hymenolepis octocoronata* (von Linstow 1879) Fuhrmann 1924 also Meggitt 1924b.—*T. o.* v. L. 1879; *T. (H.) o.* Parona 1900. **Rodentia.** South America. Henry 1931. See p. 36.

207. *Hymenolepis oena* Ortlepp 1938.—**Columbiformes.** South Africa. See p. 33.

208. *Hymenolepis orientalis* (Krabbe 1879) Fuhrmann 1906.—*T. o.* K. 1879. **Passeriformes.** Turkestan. See p. 34.

209. *Hymenolepis orthacantha* Fuhrmann 1906.—**Anseriformes.** South America. See p. 30.

210. *Hymenolepis oshimai* Sugimoto 1934.—**Anseriformes.** Formosa. See p. 30.

211. *Hymenolepis oweni* Moghe 1933.—**Charadriiformes.** India. See p. 32.

212. *Hymenolepis pachycephala* (von Linstow 1872) Fuhrmann 1906.—*T. p.* v. L. 1872; *Drep. p.* (v. L.) v. L. 1904. **Anseriformes.** Europe. See *H. lintonella* No. 148, above. See p. 30.

213. *Hymenolepis papillata* Fuhrmann 1906.—*W. p.* (F.) Mayhew 1925. **Anseriformes.** Brazil. See p. 30.

214. *Hymenolepis paramicrosoma* Gasowska 1931.—New name for specimens identified as *H. microsoma* by Cohn 1901. **Anseriformes.** Europe. Joyeux and Baer 1936a. See p. 30.

215. *Hymenolepis parina* Fuhrmann 1907.—*W. p.* (F.) Mayhew 1925. **Passeriformes.** Europe. Joyeux and Baer 1936a. See p. 34.

216. *Hymenolepis parviceps* (von Linstow 1872) Fuhrmann 1906.—*T. p.*

- v. L. 1872; *Diorchis p.* (v. L.) v. L. 1904. **Anseriformes.** Europe. Joyeux and Baer 1936a. See p. 30.
217. *Hymenolepis parvicirrosa* Meggitt 1927a.—**Pelecaniformes.** Egypt. See p. 28.
218. *Hymenolepis parvirostellata* (von Linstow 1901) Fuhrmann 1906.—*T. (Drep.) p.* v. L. 1901. **Coraciiformes.** Africa. See p. 29.
219. *Hymenolepis parviuncinata* Meggitt 1927a.—**Pelecaniformes.** Egypt. See p. 28.
220. *Hymenolepis parvula* Kowalevski 1904.—*W. p.* (K.) Mayhew 1925. **Anseriformes.** Larva in *Herpobdella*—see Joyeux and Baer 1936a. Europe. See p. 30.
221. *Hymenolepis passerina* Fuhrmann 1907.—*W. p.* (F.) Mayhew 1925. **Passeriformes.** Egypt. See p. 34.
222. *Hymenolepis passeris* (Gmelin 1790) Ransom 1909.—*T. p.* G. 1790; *Hal. p.* (G.) Zeder 1803; *T. fringillarum* Rudolphi 1810, new name for *passeris*; *Aploparaksis f.* (R.) von Linstow 1904; *H. f.* (R.) Fuhrmann 1906; *H. fringillarum* F. 1906, la.; *T. avium* Pallas 1781 in part—F. 1908; *T. anatis avium* Gmelin 1790; *T. leptodera* v. L. 1879—F. 1906; *H. l.* (v. L.) F. 1906. **Passeriformes; Falconiformes.** Europe. See *H. fringillarum* in Joyeux and Baer 1936a. See p. 31, 34.
223. *Hymenolepis pauciannulata* Meggitt 1927a.—**Anseriformes.** Egypt. Joyeux and Baer 1936a. See p. 30.
224. *Hymenolepis pauciovata* Fuhrmann 1906.—**Tinamiformes.** Brazil. See p. 28.
225. *Hymenolepis pearsi* Joyeux and Baer 1930.—**Rodentia.** Nigeria. See p. 36.
226. *Hymenolepis peipingensis* Hsü 1935.—**Insectivora.** China. See p. 35.
227. *Hymenolepis pellucida* Fuhrmann 1906.—*W. p.* (F.) Mayhew 1925. **Passeriformes.** South America. See p. 34.
230. *Hymenolepis peramelidarum* Nybelin 1917.—**Marsupialia.** Australia. See p. 34.
231. *Hymenolepis petrocinae* (Krabbe 1879) Fuhrmann 1906.—*T. p.* K. 1879. **Passeriformes.** Turkestan. See p. 34.
232. *Hymenolepis petrodromi* Baer 1933.—**Insectivora.** Rhodesia. Hübscher 1937. See p. 35.
233. *Hymenolepis phalacrocorax* (Woodland 1929) Fuhrmann 1932.—*W. p.* W. 1929. **Pelecaniformes.** India. Joyeux and Baer 1936a. See p. 28.
234. *Hymenolepis phasianina* Fuhrmann 1907.—*W. p.* (F.) Mayhew 1925. **Galliformes.** Egypt; England—Chapman 1935. Joyeux and Baer 1936a. See p. 31.
235. *Hymenolepis pigmentata* (von Linstow 1872) Fuhrmann 1906.—*T. p.* v. L. 1872. **Anseriformes.** Germany. Joyeux and Baer 1936a. See p. 30.
236. *Hymenolepis pingi* Shen Tseng 1932.—**Anseriformes.** China. Joyeux and Baer 1936a. See p. 30.
237. *Hymenolepis pistillum* (Dujardin 1845) Blanchard 1891.—Type of *Proglottis*—Dujardin 1843; *T. p.* D. 1845; *T. p.* a *Lepidotrias* (subgenus of *H.*)—Weinland 1858; *Staphylocystis micracanthus* Villot 1877, larva; *Urocystis hymenolepidis pistilli* (D.) Joyeux and Baer 1935b. **Insectivora.** Europe. Larva in *Glomeris*. Life history—J. and B. 1935b and 1936b. See p. 35.
238. *Hymenolepis pitalugai* López-Neyra 1932.—**Anseriformes.** Spain. Joyeux and Baer 1936a. See p. 30.
239. *Hymenolepis planestici* (Mayhew 1925) Fuhrmann 1932.—*W. p.* M. 1925. **Passeriformes.** Illinois; India—Johri 1934. See p. 34.
240. *Hymenolepis poculifera* (von Linstow 1897) Fuhrmann 1906.—*T. p.* v. L. 1879; *H. poculifera* Mayhew 1925, la. **Gruiformes.** Germany. Joyeux and Baer 1936a. See p. 32.
241. *Hymenolepis podicipina* Szymánski 1905.—*H. podicipina* Joyeux

and Baer 1936a, la. **Colymbiformes**. Europe; North America—Linton 1927. See *H. woodsholet*, No. 319 below. See p. 28.

240. *Hymenolepis polyacantha* Baer 1931.—**Insectivora**. Switzerland. "La forme larvaire est peut-être le *Cysticercus integrus* qui se trouve chez *Gammarus pulex*"—Joyeux and Baer 1936a. See p. 35.

241. *Hymenolepis polygramma* (von Linstow 1875) Fuhrmann 1906.—*T. p.* v. L. 1875; *Drep. p.* (v. L.) Cohn 1901. **Passeriformes**. Europe. Joyeux and Baer 1936a. See p. 34.

242. *Hymenolepis porale* Meggitt 1927a.—**Charadriiformes**. Egypt. Joyeux and Baer 1936a. See p. 32.

243. *Hymenolepis porzana* Fuhrmann 1924.—*H. sp.* Clerc 1911. **Grui-formes**. Europe. See p. 32.

244. *Hymenolepis przewalski* Skriabine 1914.—*H. przewalskii* Joyeux and Baer 1936a, la. **Anseriformes**. Turkestan. See p. 30.

245. *Hymenolepis pycnonoti* Tubangui and Masiluñgan 1937.—**Passeri-formes**. Philippine Islands. See p. 34.

246. *Hymenolepis querquedula* Fuhrmann 1921.—*W. q.* (F.) Mayhew 1925; *H. querquedulae* Gower 1939, la. **Anseriformes**. South America; Antarctica. Joyeux and Baer 1936a. See p. 30.

247. *Hymenolepis rapida* Szpotańska 1931.—**Anseriformes**. Australia. See p. 31.

248. *Hymenolepis rara* Skriabine 1914.—*H. rarus* S. 1914, original spelling; *W. rara* (S.) Mayhew 1925. **Anseriformes**. Turkestan. Joyeux and Baer 1936a. See p. 31.

249. *Hymenolepis rectacantha* Fuhrmann 1906.—*H. rectacanta* Fuhrmann 1924, la. **Charadriiformes**. Europe. Joyeux and Baer 1936a. See p. 32.

250. *Hymenolepis recurvirostrae* (Krabbe 1869) Fuhrmann 1906.—*T. r.* K. 1869; *Drep. r.* (K.) Cohn 1900; *H. recurvirostra* F. 1906, la. **Charadrii-formes**. Europe; Africa. Joyeux and Baer 1936a. See p. 32.

251. *Hymenolepis recurvirostrae magnosacco* Joyeux, Baer, and Martin 1936.—**Charadriiformes**. Egypt. See p. 32.

252. *Hymenolepis recurvirostroides* Meggitt 1927a.—**Charadriiformes**. Egypt. See p. 32.

253. *Hymenolepis relict*a (Zschokke 1887) Blanchard 1891.—*T. r.* Z. 1887. **Rodentia**. Europe. That this form is distinct from *H. diminuta* has been questioned by Ransom 1904, Meggitt and Subramanian 1927, and Joyeux and Foley 1930; the name is retained by Baer 1932 as "une espèce douteuse." See p. 36.

254. *Hymenolepis retracta* von Linstow 1905.—**Anseriformes**. Asia. See p. 31.

255. *Hymenolepis rhodesiensis* Baer 1933.—**Piciformes**. Rhodesia. See p. 33.

256. *Hymenolepis riggenbachi* Mola 1913.—**Anseriformes**. Europe. Joyeux and Baer 1936a. See p. 31.

257. *Hymenolepis robertsi* Baylis 1934c.—**Anseriformes**. Australia. See p. 30.

258. *Hymenolepis rosenthali* Mola 1913.—**Columbiformes**. Europe. Joyeux and Baer 1936a. See p. 33.

259. *Hymenolepis rosseteri* (Blanchard 1891) Fuhrmann 1906.—*Echinocotyle r.* B. 1891—new name for specimens identified as *T. lanceolata* Bloch by Rosseter 1891; *T. r.* (B.) Braun 1894; *T. (E.) r.* (B.) Braun 1898; *H. (E.) r.* (B.) Clerc 1903; *Cyst. echinocotylis-rosseteri* (B.) Lühe 1910. **Anseriformes**. Europe. Larva in Cypridae. Joyeux and Baer 1936a. See p. 31.

260. *Hymenolepis rostellata* (Abildgaard 1790) Fuhrmann 1908.—*T. r.* A. 1790; *Hal. r.* (A.) Zeder 1803; *W. r.* (A.) Mayhew 1925; *T. capitellata* Rudolphi 1810, new name for *T. r.*; *Diplacanthus (Dil.) c.* (R.) Cohn 1899; *Drep. c.* (R.) Stossich 1898; *H. c.* (R.) Cohn 1901; "*H. swiderskii* Gasowska,

1931 (?)”—Joyeux and Baer 1936a. **Graviiformes; Colymbiformes.** Europe. North America—Linton 1927. See p. 28.

261. *Hymenolepis rudolphica* nom. nov.—*T. longirostris* Rudolphi 1819 not *T. l.* Frölich 1802; *Drep. l.* (R.) Cohn 1901; *H. l.* (R.) Fuhrmann 1906; *W. l.* (R.) Mayhew 1925. **Charadriiformes.** Europe. Joyeux and Baer 1936a. See p. 32.

262. *Hymenolepis rustica* Meggitt 1926b.—**Galliformes.** Burma. Joyeux and Baer 1936a. See p. 31.

263. *Hymenolepis sacciperum* Mayhew 1925.—*H. sacciperum* Fuhrmann 1932, la. **Anseriformes.** Illinois. See p. 31.

264. *Hymenolepis sagitta* (Rosseter 1906) Fuhrmann 1908.—*Drep. s. R.* 1906. **Anseriformes.** England. See p. 31.

265. *Hymenolepis sandgroundi* Baer 1933.—**Chiroptera.** Rhodesia. Hübscher 1937. See p. 35.

266. *Hymenolepis scalaris* (Dujardin 1845) Blanchard 1891.—*T. s. D.* 1845; *Staphylocystis bilarius* Villot 1877, larva—Joyeux and Baer 1936a; *S. bilarius* von Linstow 1904, la. **Insectivora.** Larva in *Glomeris*. Europe; Nigeria—J. and B. 1930. See p. 35.

267. *Hymenolepis scalopi* Schultz 1939.—**Insectivora.** Oklahoma. See p. 35.

268. *Hymenolepis scutigera* (Dujardin 1845) Meggitt 1924b.—*T. s. D.* 1845; *T. s. a Lepidotrias* (subgenus of *H.*)—Weinland 1858; *Monopylidium scutigerum* (D.) Baer 1928; *H. toxometra* Baer 1932—Baylis 1934b. **Insectivora.** Europe. Joyeux and B. 1936a. See p. 35.

269. *Hymenolepis septaria* von Linstow 1906.—**Coraciiformes.** Ceylon. See p. 33.

270. *Hymenolepis serpentulus* (Schrank 1788) Cohn 1901.—*T. s. S.* 1788, new name for *T. serpentiformis collaris* Göze 1782; *A. s.* (S.) Zeder 1800; *Hal. s.* (S.) Z. 1803; *T. s. a Lepidotrias* (subgenus of *H.*)—Weinland 1858; *Diplacanthus s.* (S.) Volz 1899; *Choanotaenia s.* (S.) Cohn 1899; *Drep. s.* (S.) Cohn 1901; *W. s.* (S.) Mayhew 1925; *T. corvi-fragilegi* Viborg 1795 and *T. punctata* Bruguière 1791—Rudolphi 1810; *T. corvi-cornicis* R. 1810, *T. corvorum* R. 1819, and *Hal. glandarii* Z. 1803 (in part)—Diesing 1850; *Hal. glandarii* Fuhrmann 1908, la.; *T. cornicis* Gmelin 1790—R. 1819; *Hal. cornicis* (G.) Z. 1803; *T. tenuis nodis instructa* Bloch 1782, *T. serpentiformis* Göze 1782 (in part), *T. pusilla* Göze 1782 (in part), *T. maculata* Batsch 1786 and *Hal. m.* (B.) Z. 1803, *T. nodosa* S. 1788, *T. undula* S. 1788 (in part), *T. turdorum* Gmelin 1790, *T. serpentiformis t.* (G.) R. 1810, and *Hal. t.* (G.) Z. 1803—F. 1908; *T. angulata* R. 1810—F. 1932. **Passeriformes.** Larva in *Geotrupes*. Europe; Africa; Australia; Asia. Meggitt 1927a, Joyeux and Houdemer 1927, Markowski 1933, J. and Timon-David 1934a, Hsü 1935, and J. and Baer 1936a. See p. 34.

271. *Hymenolepis serrata* Fuhrmann 1906.—*H. rugosus* Clerc 1906—F. 1924; *H. rugosa* Ransom 1909. **Columbiformes.** Europe; Asia; Africa. Joyeux and Baer 1936a. See p. 33.

272. *Hymenolepis serrata birmanica* Meggitt 1924a.—*H. rugosa* b. M. 1924a; *H. joyeuxi* Fuhrmann 1932—Joyeux and Baer 1935a; *H. joyeux* Linton 1933, la. **Columbiformes.** Asia. See p. 33.

273. *Hymenolepis setigera* (Frölich 1789) Cohn 1901.—*T. s. F.* 1789; *A. setigerus* (F.) Zeder 1800; *Hal. s.* (F.) Z. 1803; *Drep. s.* (F.) Railliet 1893; *Dil. s.* (F.) Cohn 1899; *Dil. setigera* Gower 1939, la.; *H. (Drep.) s.* (F.) Cohn 1901; *T. fasciata* Rudolphi 1810—Ransom 1909; *Drep. f.* (R.) Railliet 1893; *H. taeniata* Row 1916, la.; *Cer. drepanidotaeniae-setigerae* (F.) Railliet 1893; *Cyst. taeniae-setigerae* (F.) von Linstow 1892; *Cyst. hymenolepidis-setigerae* (F.) Lühe 1910; *Cyst. taeniae-fasciatae* (R.) Mrázek 1891; *Cyst. t.-fasciata* Gower 1939, la.; *Cer. drepanidotaeniae-fasciatae* (R.) Railliet 1893; *Cyst. hymenolepidis-fasciatae* (R.) Lühe 1910. **Anseriformes; Gruiformes.** Larva in *Cyclops*, *Diaptomus*, and *Cypris*. Europe; Asia. Joyeux and Baer 1936a. See *H. fasciculata*, No. 87, above. See p. 31, 32.

274. *Hymenolepis shen-tseugi* nom. nov.—*Fuhrmanniella clerici* Shen Tseng 1933; *H. c.* (S. T.) Joyeux and Baer 1935a not *H. c.* Fuhrmann 1924. **Charadriiformes.** China. See p. 32.

275. *Hymenolepis sibirica* (von Linstow 1905) Fuhrmann 1908.—*Diorchis s. v. L.* 1905; *H. sibirica* Mayhew 1925, la. **Anseriformes.** Asia. This species, originally described as having but two testes, was transferred to *H.* by F. with this comment—"Diese Art wurde von O. v. Linstow als *Diorchis* beschreiben, sie ist aber, wie unser Untersuchung der Originale gezeigt, eine *Hymenolepis*." See p. 31.

276. *Hymenolepis simplex* Fuhrmann 1906.—*W. s.* (F.) Mayhew 1925. **Anseriformes.** Europe; China—Shen Tseng 1933. Joyeux and Baer 1936a. See p. 31.

277. *Hymenolepis sinensis* Oldham 1929.—**Rodentia.** China. See p. 36.

278. *Hymenolepis singularis* Cholodkovsky 1913.—**Insectivora.** Europe. Joyeux and Baer 1936a. See p. 35.

279. *Hymenolepis solitaria* (Meggitt 1927b) Hübscher 1937.—*W. s. M.* 1927b. **Insectivora.** Burma. See p. 35.

280. *Hymenolepis solowiowi* Skriabine 1914.—*H. soloviovi* Shen Tseng 1932. **Anseriformes.** Turkestan. Joyeux and Baer 1936a. See p. 31.

281. *Hymenolepis soricis* Baer 1925.—*H. minuta* Baer 1926b not *H. m.* (Krabbe 1869) Zschokke 1903. *H. soricis* B. 1925, la. **Insectivora.** Switzerland. Joyeux and Baer 1936a. See p. 35.

282. *Hymenolepis southwelli* Szpotańska 1931.—*Echinorhynchoetaenia nana* Maplestone and Southwell 1922 not *H. n.* (von Siebold 1852) Blanchard 1891. **Anseriformes.** Australia. See p. 31.

283. *Hymenolepis sphaerophora* (Rudolphi 1810) Fuhrmann 1906.—*T. s.* R. 1810; *Aploparaxis s.* (R.) F. 1906; *Haploparaxis s.* (R.) Mayhew 1925; *T. sphaerophora* Lamark 1816, la.; *H. sphaerophora* M. 1925, la. **Charadriiformes.** Europe. Joyeux and Baer 1936a. See p. 32.

284. *Hymenolepis spinosa* von Linstow 1906.—**Charadriiformes.** Ceylon. See p. 32.

285. *Hymenolepis spinulosa* Kholodkowski 1906.—**Insectivora.** Europe. Joyeux and Baer 1936a. See p. 35.

286. *Hymenolepis straminea* (Göze 1782) Kowalevski 1904.—*T. s. G.* 1782; *Hal. s.* (G.) Zeder 1803; *H. criceti* von Janicki 1904—Baer 1932. **Rodentia.** Europe; Asia. Joyeux and Baer 1936a. See p. 36.

287. *Hymenolepis streptopeliae* Joyeux and Baer 1935a.—**Columbiformes.** Indo-China; Somaliland—Joyeux, Baer, and Martin 1936. See p. 33.

288. *Hymenolepis styloides* Fuhrmann 1906.—*W. s.* (F.) Mayhew 1925; *H. styloides* Fuhrmann 1924, la. **Charadriiformes.** Egypt; Indo-China—Joyeux and Baer 1935a; China—Shen Tseng 1933. See p. 33.

289. *Hymenolepis stylosa* (Rudolphi 1810) Volz 1899.—*T. s. R.* 1810; *Diplacanthus stylosus* (R.) Volz 1899; *Drep. s.* (R.) Clere 1903; *W. s.* (R.) Mayhew 1925; *Hal. glandarii* Zeder 1803 (in part) and *T. serpentiformis* Göze 1782, in part—Diesing 1850; *Hal. glandarii* F. 1908, la. **Passeriformes.** Europe; Asia; Africa. Joyeux and Baer 1936a. See p. 34.

290. *Hymenolepis suricattae* Ortlepp 1938.—**Carnivora.** South Africa. See p. 36.

291. *Hymenolepis taiwanensis* Yamaguti 1935.—**Ciconiiformes.** Japan. See p. 29.

292. *Hymenolepis tenerrima* (von Linstow 1882) Fuhrmann 1906.—*T. t.* v. L. 1882. **Anseriformes.** Larva in *Cypris*. Europe. Life history—Harper 1930. Joyeux and Baer 1936a. See p. 31.

293. *Hymenolepis tenuirostris* (Rudolphi 1819) Cohn 1901.—*T. t. R.* 1819; *Drep. t.* (R.) Railliet 1893; *Dil. t.* (R.) C. 1899; *H. (Drep.) t.* (R.) C. 1901; *Cyst. taeniae-tenuirostris* (R.) von Linstow 1892; *Cyst. tenuirostris* (R.) Rosseter 1897; *Cyst. hymenolepis-tenuirostris* (R.) Lühe 1910. According to López-Neyra 1931 *H. t.* is identical with *Fimbriaria fasciolaris* (Pallas 1781) Wolffhügel 1899 but this conclusion has apparently not been recognized by

subsequent workers; the many synonyms of *F. f.* are omitted here. **Anseriformes; Charadriiformes.** Larva in Crustacea. Europe; Asia. Joyeux and Baer 1936a. See p. 31, 33.

294. *Hymenolepis tenuis* (Clerc 1906) Fuhrmann 1908.—*Echinocotyle t. C.* 1906; *H. (E.) t. (C.)* Fuhrmann 1908; *W. t. (C.)* Mayhew 1925. **Charadriiformes.** Russia. Joyeux and Baer 1936a. See p. 33.

295. *Hymenolepis teresoides* Fuhrmann 1906.—New name for specimens identified as *T. teres* Krabbe by von Linstow 1889. *W. t. (F.)* Mayhew 1925. **Anseriformes.** Germany. Joyeux and Baer 1936a. See p. 31.

296. *Hymenolepis terraereginae* Johnston 1911.—**Anseriformes.** Australia. See p. 31.

297. *Hymenolepis tetracis* Kholodkowski 1906.—*W. t. (K.)* Mayhew 1925; *H. dentatus* Clerc 1906—F. 1932. **Gruiformes.** Europe. Joyeux and Baer 1936a. See p. 32.

298. *Hymenolepis tiara* (Dujardin 1845) Blanchard 1891.—*T. t. D.* 1845; *T. t. a Lepidotrias* (subgenus of *H.*)—Weinland 1858. **Insectivora.** Europe. Joyeux and Baer 1936a. See p. 35.

299. *Hymenolepis tichodroma* Fuhrmann 1908.—*H. trichodroma* F. 1908, la. **Passeriformes.** Europe. Meggitt 1926b and Joyeux and Baer 1936a. See p. 34.

300. *Hymenolepis tonkinensis* Joyeux and Baer 1935a.—**Cuculiformes.** Indo-China. See p. 33.

301. *Hymenolepis trichorhyncha* Yoshida 1910.—*H. trichorhynchus* Y. 1910, original spelling. **Anseriformes.** Japan. See p. 31.

302. *Hymenolepis trifolium* von Linstow 1905.—*H. tifolium* Fuhrmann 1924, la.; "*Weinlandia t.* Mayhew 1925"—F. 1932, la. **Anseriformes.** Germany. Joyeux and Baer 1936a. See p. 31.

303. *Hymenolepis tritesticulata* Fuhrmann 1907.—*W. t. (F.)* Mayhew 1925. **Anseriformes; Gruiformes.** Europe; North America—Linton 1927; China—Shen Tseng 1932. Joyeux and Baer 1936a. See p. 31, 32.

304. *Hymenolepis tubicirrosa* Baczyńska 1914.—*W. t. (B.)* Mayhew 1925. **Gruiformes.** South America. See p. 32.

305. *Hymenolepis uliginosa* (Krabbe 1882) Fuhrmann 1906.—*T. u. K.* 1882; *H. fuliginosa* Mayhew 1925, la. **Charadriiformes; Gruiformes.** Europe; Egypt—Meggitt 1927a. Joyeux and Baer 1936a. See p. 32, 33.

306. *Hymenolepis uncinata* (Stieda 1862) Blanchard 1891.—*T. u. S.* 1862; *Lepidotrias u. (S.)* Cohn 1899; *Cyst. taeniae-uncinatae (S.)* von Linstow 1886. Not *H. u.* Fuhrmann 1906. **Insectivora.** Larva in *Silpha*. Europe. Joyeux and Baer 1936a. See p. 35.

307. *Hymenolepis uncinispinosa* Joyeux and Baer 1930.—*H. uncinispina* J. and B. 1930, la. **Rodentia.** Nigeria. See p. 36.

308. *Hymenolepis uralensis* (Clerc 1902) Fuhrmann 1906.—*Echinocotyle u. C.* 1902; *H. (E.) u. (C.)* F. 1906; *Fuhrmanniella u. (C.)* Shen Tseng 1933. **Charadriiformes.** Europe; China—S. T. 1933. Joyeux and Baer 1936a. See p. 33.

309. *Hymenolepis urceus* (Wedl 1855) Meggitt 1930.—*T. u. W.* 1855; *Dil. u. (W.)* Fuhrmann 1908; specimens identified as *T. capito* by Dujardin 1845—F. 1908. **Ciconiiformes; Pelecaniformes.** Europe; Egypt—Meggitt 1930. This species is still listed in *Dilepis* by Joyeux and Baer 1936a. See p. 28, 29.

310. *Hymenolepis vaginata* Baczyńska 1914.—*W. v. (B.)* Mayhew 1925. **Charadriiformes.** Egypt. Joyeux and Baer 1936a. See p. 33.

311. *Hymenolepis vallei* (Stossich 1892) Fuhrmann 1906.—*T. v. S.* 1892. **Charadriiformes.** Europe. See p. 33.

312. *Hymenolepis variabilis* (Mayhew 1925) Fuhrmann 1932.—*Wardium variabile* M. 1925. **Passeriformes.** Larva experimentally developed in *Aphodius*, *Oxytelis*, and *Melanophilus*—Jones 1924. Illinois. See p. 34.

313. *Hymenolepis varicanthos* Southwell and Lake 1939.—**Ciconiiformes.** Belgian Congo. See p. 29.

314. *Hymenolepis varsoviensis* (Sinitsin 1896) Fuhrmann 1924.—*Dier. spiculigera* v. S. 1896; *T. (Dier.) s. v.* (S.) S. 1896; *H. s. v.* Fuhrmann 1924. **Charadriiformes.** Poland. According to Fuhrmann 1908 *T. s.* Nitzsch in Giebel 1857, is, in effect, a *nomen nudum*. See p. 33.

315. *Hymenolepis venusta* (Rosseter 1897) Railliet and Henry 1909.—*Cyst. v. R.* 1897; *Drep. v. (R.) R.* 1897; *T. v. (R.) R.* 1897. **Anseriformes.** Larva in Cypridae. England. Joyeux and Baer 1936a. See p. 31.

316. *Hymenolepis victoriata* Inamdar 1934.—**Passeriformes.** India. See p. 34.

317. *Hymenolepis villosa* (Bloch 1782) Wolffhügel 1899.—*T. v.* B. 1782; *Hal. v.* (B.) Zeder 1803; *T. (H.) v.* (B.) von Linstow 1878; *T. (Drep.) v.* (B.) Parona 1900; *H. vilosa* Kowalevski 1904, la.; *T. fimbriata* Batsch 1786, new name for *T. v.*; *T. otidis* Werner 1782 and *T. tardae* Gmelin 1790—Diesing 1850. **Galliformes; Gruiformes.** Europe. Joyeux and Baer 1936a. See p. 31, 32.

318. *Hymenolepis villosoides* Solowiow 1911.—**Anseriformes.** Europe. "Cette espèce est synonyme de *H. arcuata* Kowalevski, 1904 d'après O. Fuhrmann (communication personnelle)"—Joyeux and Baer 1936a. See p. 31.

319. *Hymenolepis woodsholei* Fuhrmann 1932.—New name for specimens identified as *H. podicipina* Szymanski by Linton 1927. **Colymbiformes.** Massachusetts. See p. 28.

320. *Hymenolepis zosteropsis* Fuhrmann 1918.—*W. z.* (F.) Mayhew 1925; *H. "stylosa"* of Southwell 1922—S. 1930. **Passeriformes.** Oceania; Burma—Meggett 1931. See p. 34.

### III. NONVALID HYMENOLEPIS SPECIFIC NAMES

This is a list of names which have appeared in combination with *Hymenolepis* but which do not represent recognized or properly identified species of that genus at present. Some of the names are mere lapsus in spelling, some are true synonyms, some are *nomina nuda*, some pertain to misidentified specimens, and some represent valid species erstwhile in *Hymenolepis* but now located in other genera.

*H. abortina* von Linstow 1905, see *H. abortiva*.

*H. acicula* Gower 1939, see *H. acicula-sinuata*.

*H. acuminata* (Clere 1902) Fuhrmann 1906, now *Diorchis a.* (C.) C. 1903.

*H. ambiguus* Clere 1906, see *H. ambigua*.

*H. angulata* (Rudolphi 1810, Dujardin 1845) Parona 1899, now *Dilepis undula* (Schrank 1788) Cohn 1900. See also *H. serpentulus*.

*H. anomala* Splendore 1920, see *H. diminuta*.

*H. anserum* (Frisch 1727) Fuhrmann 1908, see *H. lanceolata*.

*H. arcuata* Fuhrmann 1906 not *H. a.* Kowalevski 1904, see *H. armata*.

*H. arcuata* Fuhrmann 1906, see *H. arcuata*.

*H. arvicolae* Galli-Valerio 1930 not *H. a.* (Blanchard 1891) Meggett 1924b, see *H. asymmetrica*.

*H. arvicolina* Cholodkovsky 1913, see *H. horrida*.

*H. asymmetrica* Fuhrmann 1924 not *H. asymetrica* F. 1918, see *H. asymmetrica*.

*H. asymmetrica* Fuhrmann 1918 not *H. asymetrica* F. 1924, see *H. hassalli*.

*H. bacigalupoi* Joyeux and Kobozieff 1928, see *H. fraterna* and *H. nana*.

*H. bacigalupoi* Skrjabin and Schulz 1928, see *H. fraterna* and *H. nana*.

*H. baschkienis* Fuhrmann 1924, see *H. baschkiriensis*.

*H. biaculata* Fuhrmann 1924, see *H. biaculeata*.

*H. bilharzii* Joyeux and Timon-David 1934b, see *H. bilharzii*.

*H. biharzii* Mayhew 1925, see *H. bilharzii*.

*H. birmanica* Meggett 1927a, see *H. neomeggittilis*.

*H. brachyphallos* (Krabbe 1869) Fuhrmann 1906, now *Aploparaksis b.* (K.) F. 1908.

*H. brasiliense* Fuhrmann 1906, see *H. brasiliensis*.



- H. candestina* Fuhrmann 1906, see *H. clandestina*.  
*H. capitellata* (Rudolphi 1810) Cohn 1901, see *H. rostellata*.  
*H. carenula* Skrjabin 1926, see *H. coronula*.  
*H. carica* Rosseter 1907, see *H. carioca*.  
*H. clerci* (Shen Tseng 1933) Joyeux and Baer 1935a not *H. c.* Fuhrmann 1924, see *H. shen-tsengi*.  
*H. coraciae* (Rudolphi 1819) Parona 1900, *nomen nudum*—Fuhrmann 1908.  
*H. crassirostris* (Krabbe 1869) Fuhrmann 1908, now *Aploparaksis c.* (K.) Clerc 1903.  
*H. criceti* von Janicki 1904, see *H. straminea*.  
*H. cryptacantha* (Krabbe 1869) Cohn 1901, now *T. c.* K. 1869.  
*H. dahmica* Fuhrmann 1908, see *H. dahurica*.  
*H. "dahurica"* of Southwell 1922, see *H. farciminosa*.  
*H. deminuta* Castellani and Chalmers 1910, see *H. diminuta*.  
*H. dentatus* Clerc 1906, see *H. tetracis*.  
*H. diminutoides* Cholodkovsky 1913, see *H. diminuta*.  
*H. farciminalis* (Batsch 1786) Blanchard 1891, see *H. farciminosa*.  
*H. fasciata* (Rudolphi 1810, Krabbe 1869) Cohn 1901, see *H. fasciculata*.  
*H. fedtschenkowi* Joyeux and Baer 1936a, see *H. fedtschenkowii*.  
*H. filamentosa* (Göze 1782) Meggitt 1924b, now *Choanotaenia f.* (G.) Joyeux and Baer 1936a.  
*H. filum* (Göze 1728) Parona 1899, now *Aploparaksis f.* (G.) Clerc 1903.  
*H. fita* Nicoll 1934, see *H. filta*.  
*H. flaminata* Nicoll 1931, see *H. flaminata*.  
*H. flavopunctata* Weinland 1858, see *H. diminuta*.  
*H. fragilis* (Krabbe 1869) Fuhrmann 1906, see *H. krabbeella*.  
*H. fringillarum* (Rudolphi 1810) Fuhrmann 1906, see *H. passeris*.  
*H. fringillorum* Fuhrmann 1906, see *H. passeris*.  
*H. fruticosa* Fuhrmann 1932, see *H. fruticosa*.  
*H. fueilleborni* Hübscher 1937, see *H. dodecacantha*.  
*H. fülleborni* Hilmy 1936, see *H. dodecacantha*.  
*H. fuliginosa* Mayhew 1925, see *H. uliginosa*.  
*H. furcifera* Meggitt 1927a not *H. f.* (Krabbe 1869) Fuhrmann 1906, see *H. flaminata*.  
*H. furcigera* (Nitzsch in Rudolphi 1819) Cohn 1901, now *Aploparaksis f.* (N. in R.) Fuhrmann 1908.  
*H. "fusa"* of Southwell 1930, see *H. neosouthwelli*.  
*H. fusa* Mayhew 1925, for *H. fusus*, see next entry.  
*H. fusus* (Krabbe 1869) Fuhrmann 1906, now *Haploparaksis f.* (K.) Joyeux and Baer 1928c. See also *H. neoarctica* and *H. neosouthwelli*.  
*H. "fusus"* of Linton 1927, see *H. neoarctica*.  
*H. "fusus"* of Southwell 1922, see *H. neosouthwelli*.  
*H. "gallinae* Fuhrm. in Par., 1900" of Stiles and Hassall 1912—apparently a *nomen nudum*.  
*H. hirsuta* (Krabbe 1882) Fuhrmann 1906, now *Aploparaksis h.* (K) Clerc 1903.  
*H. inermis* Yoshida 1910, see *H. cantaniana*.  
*H. inexpectata* Meggitt 1924b, for *H. inexpectata*, see next entry.  
*H. inexpectata* Cholodkovsky 1913, see *H. fraterna* and *H. nana*.  
*H. infata* (Rudolphi 1819) Railliet 1899, now *Diorchis i.* (R) Fuhrmann 1932.  
*H. intermedius* Baicigalupo 1927 not *H. i.* Clerc 1906, see *H. fraterna* and *H. nana*.  
*H. intermedius* Clerc 1906 not *H. i.* Baicigalupo 1927, see *H. intermedia*.  
*H. interrupta* Joyeux and Baer 1936a for *H. interruptus* Clerc 1906, see next entry.  
*H. interruptus* Clerc 1906 not *H. interrupta* (Rudolphi 1802) Fuhrmann 1908, see *H. clerci* Fuhrmann 1924.  
*H. isomydis* (Setti 1892) Meggitt 1924 now *Paranoplocephala i.* (S.) M. and Subramanian 1927 a "dubious species."  
*H. jaegerskiöldi* (Mayhew 1925) Nicoll 1930, see *H. jägerskiöldi*.  
*H. jaegerskiöldi* Fuhrmann 1924, see *H. jägerskiöldi*.  
*H. jacobsoni* Baer 1926a, see *H. jacobsoni*.

- H. joyeux* Linton 1933 for *H. joyeuxi*, see next entry.  
*H. joyeuxi* Fuhrmann 1932, see *H. serrata birmanica*.  
*H. kowalewskii* Joyeux and Baer 1936a, see *H. kowalewski*.  
*H. krabbei* (Kowalevski 1894) Joyeux and Baer 1936a, see *H. conscripta*.  
*H. leptodera* (von Linstow 1879) Fuhrmann 1906, see *H. passeris*.  
*H. leptoptile* Mayhew 1925 for *H. leptoptili*, see next entry.  
*H. leptoptili* (von Linstow 1901) Fuhrmann 1906, see *H. microcephala*.  
*H. linstowi* Parona 1900, now *Multicapsiferina linstowii* (Parona 1895) Fuhrmann 1921.  
*H. liophallus* Fuhrmann 1906, see *H. liophallos*.  
*H. longior* Baylis 1922, see *H. fraterna* and *H. nana*.  
*H. longirostris* (Rudolphi 1819) Railliet 1899, see *H. rudolphica*.  
*H. loossi* Hilmy 1936, see *H. dodecacantha*.  
*H. macracantha* Joyeux and Baer 1936a, see *H. macracanthos*.  
*H. macracanthoides* López-Neyra 1932, see *H. macracanthos*.  
*H. macracanthos* Fuhrmann 1906, see *H. macracanthos*.  
*H. megaloon* (von Linstow 1901) Ransom 1904, see *H. diminuta*.  
*H. megalhystera* von Linstow 1905, see *H. coronula*.  
*H. megaluptera* Fuhrmann 1908, a *nomen nudum* or unidentifiable *lapsus*.  
*H. megalystera* Fuhrmann 1906, see *H. coronula*.  
*H. megarostellis* Solowjow 1911, see *H. compressa*.  
*H. meropina* (Krabbe 1869) Sinitzin 1896, now *Biuterina m.* (K.) Clerc 1906.  
*H. "microsoma"* of Cohn 1901, see *H. paramicrosoma*.  
*H. minuta* Baer 1926b not *H. m.* (Krabbe 1869) Zschokke 1903, see *H. soricis*.  
*H. minuta* (Krabbe 1869) Zschokke 1903 not *H. m.* Baer 1926b, see *H. minor*.  
*H. minutissima* (Meggitt 1927b) Hübscher 1937, see *H. jacobsoni*.  
*H. modiglianii* Parona 1898, now *Dilepis m.* (P.) Fuhrmann 1908.  
*H. moniezii* Fuhrmann 1924 also Meggitt 1924b, see *H. moniezi*.  
*H. mrazeki* Joyeux 1926, see *H. dolosa*.  
*H. multiformis* (Creplin 1829) Fuhrmann 1906, see *H. microcephala*.  
*H. murina* (Dujardin 1845) Blanchard 1891, see *H. fraterna* and *H. nana*.  
*H. muris-variegatus* Meggitt 1924b, see *H. muris-variegati*.  
*H. myoxi-sciurina* Joyeux and Baer 1936a, see *H. myoxi sciurina*.  
*H. "naja"* of Southwell 1916, unidentifiable—S. 1930.  
*H. nana fraterna* Stiles 1906, see *H. fraterna* and *H. nana*.  
*H. nasuta* (Rudolphi 1802) Stiles 1896, ". . . eine Bothriocephalide ohne entwickelte Geschlechtsorgane . . ."—Fuhrmann 1908.  
*H. negarostriis* Gower 1939, see *H. compressa*.  
*H. octacanthoides* Joyeux and Baer 1936a, see *H. octacanthoides*.  
*H. ognewi* Skriabine 1924, see *H. diminuta*.  
*H. oligophora* (de Magalhães 1898) Fuhrmann 1924, see *H. cantaniana*.  
*H. ovooides* Brody 1932, *nomen nudum*. The original source of this name occurs in the phrase "Des oeufs d'Hymenolepis ovooides . . ." of Galli-Valerio 1929. The word "ovooides" was undoubtedly used as an adjective descriptive of the eggs of an unidentified species of *Hymenolepis* and not intended as a scientific name. In an abstract of Galli-Valerio's paper Brody listed "Hymenolepis ovooides" as a new scientific name.  
*H. "pachycephala"* of Linton 1927, see *H. lintonella*.  
*H. paucilifera* Mayhew 1925, see *H. poculifera*.  
*H. pauciovata* Meggitt 1927a, not *H. p.* Fuhrmann 1906, see *H. floreata*.  
*H. penetrans* (Clerc 1902) Fuhrmann 1908, 1a. for *Aploparaksis p.* (C.) C. 1903.  
*H. phenaconiaiadis* Hudson 1934, now *Cladogynia p.* (H.) Baer 1937.  
*H. podicipedina* Joyeux and Baer 1936a, see *H. podicipina*.  
*H. procerca* von Janicki 1904, see *H. horrida*.  
*H. przewalskii* Joyeux and Baer 1936a, see *H. przewalski*.  
*H. pullae* Cholodkovsky 1913, see *H. carioca*.  
*H. pyramidalis* Sinitzin 1896, now *Dilepis undula* (Schrank 1788) Cohn 1900.  
*H. querquedulae* Gower 1939, see *H. querquedula*.  
*H. rarus* Skriabine 1914, see *H. rara*.

- H. rectacanta* Fuhrmann 1924, see *H. rectacantha*.  
*H. recurvirostra* Fuhrmann 1906, see *H. recurvirostrae*.  
*H. rugosa* Ransom 1909 for *H. rugosus* Clerc 1906, see *H. serrata*.  
*H. rugosa birmanica* Meggitt 1924a, see *H. serrata birmanica*.  
*H. rugosus* Clerc 1906, see *H. serrata*.  
*H. sacciperum* Fuhrmann 1932, see *H. sacciperium*.  
*H. sciurina* Cholodkovsky 1913, see *H. myoxi sciurina*.  
*H. siberica* Mayhew 1925, see *H. sibirica*.  
*H. sinuosa* (Zeder 1800) Cohn 1901, see *H. collaris*.  
*H. soloviowi* Shen Tseng 1932, see *H. solowiowi*.  
*H. sphenoccephala* (Rudolphi 1810) Fuhrmann 1906, see *H. columbae*.  
*H. spherophora* Mayhew 1925, see *H. sphaerophora*.  
*H. stellifera* (Krabbe 1869) Sinitsin 1896, now *Paricterotaenia s.* (K.) Fuhrmann 1932.  
*H. steudeneri* von Janicki 1904, see *H. erinacei steudeneri*.  
*H. steudneri* Baer 1926a for *H. steudeneri*, see next entry above.  
*H. sulciceps* (Baird 1859) Parona 1899, now *Tetrabothrium heteroclitum* Diesing 1850—Fuhrmann 1932.  
*H. "stylosa"* of Southwell 1922, see *H. zosteropsis*.  
*H. swiderskii* Gasowska 1931, see *H. rostellata*.  
*H. styloides* Fuhrmann 1924, see *H. styloides*.  
*H. taeniata* Row 1916, see *H. setigera*.  
*H. teres* (Krabbe 1869) Cohn 1901, now *Lateriporus t.* (K.) Fuhrmann 1907.  
*H. tetraonis* Wolffhügel 1899, see *H. microps*.  
*H. trifolium* Fuhrmann 1924, see *H. trifolium*.  
*H. toxometra* Baer 1932, see *H. scutigera*.  
*H. trichodroma* Fuhrmann 1908, see *H. tichodroma*.  
*H. trichorhynchus* Yoshida 1910, see *H. trichorhyncha*.  
*H. uncinata* Fuhrmann 1906 not *H. u.* (Stieda 1862) Blanchard 1891, see *H. microscolecina*.  
*H. undula* (Schränk 1788) Fuhrmann 1906, 1a. for *H. undulata*, see next entry.  
*H. undulata* (Rudolphi 1810) Parona 1899, now *Dilepis undula* (Schränk 1788) Cohn 1900.  
*H. uncinispina* Joyeux and Baer 1930, see *H. uncinispinosa*.  
*H. unilateralis* (Rudolphi 1819) Fuhrmann 1906, now, in part, *Dilepis u.* (R.) Clerc 1906. See *H. ardeae*.  
*H. upsilon* Rosseter 1911, see *H. abortiva*.  
*H. vilosa* Kowalevski 1904, see *H. villosa*.  
*H. "villosa"* of Clerc 1906, see *H. cholodkovskii*.  
*H. voluta* (von Linstow 1904) Fuhrmann 1924, see *H. abortiva*.

#### IV. HOST CATALOGUE

In the ensuing list the species of *Hymenolepis* are grouped according to the orders (in taxonomic classification) of their hosts, following the scheme in current usage in *Biological Abstracts*. In each group the names of the worms are arranged alphabetically, each followed by a list of the host species from which the worm has been reported. None of the host records is new—they are all from published sources. The writer does not vouch for the accuracy of taxonomic determinations, either of hosts or parasites. The lists of hosts are complete to the extent of the writer's knowledge—it is not unlikely, however, that many incidental records have been overlooked.

Sources of individual host records are not cited. It was deemed unlikely that the value of such citations would warrant the expense of space and labor their inclusion would incur. In general the original sources of host records may be found among the citations in the respective enumerated species accounts in section II of this paper.

Not infrequently the same animal has been recorded as host to *Hymenolepis* species under several different names. For the sake of uniformity in this respect

host names have been corrected to agree with those recognized in well-known standard check lists, using in some instances names known to have become antiquated. Peters (1931-1937), only part of which has thus far appeared in print, was used for birds in the orders Tinamiformes, Gaviiformes, Colymbiformes, Pelecaniformes, Ciconiiformes, Anseriformes, Falconiformes, Galliformes, Gruiformes, Charadriiformes, Columbiformes, and Psittaciformes; Sharp (1899-1909) for the Cuculiformes, Strigiformes, Caprimulgiformes, Micropodiformes, Coraciiformes, Piciformes, and Passeriformes; and Trouessart (1894-1895 and 1897-1899) for mammals. A few names, however, which could not be located or traced in the check lists are included.

## CLASS AVES

### Tinamiformes

*H. pauciovata*.—*Crypturellus erythropus*.

### Gaviiformes

*H. capillaris*.—*Gavia arctica*; *G. immer*. See also under Colymbiformes.

*H. rostellata*.—*Gavia arctica*; *G. immer*; *G. stellata*. See also under Colymbiformes.

### Colymbiformes

*H. capillaris*.—*Colymbus auritus*; *C. cristatus*; *C. grisegena*; *C. nigricollis*. See also under Gaviiformes.

*H. capillaroides*.—*Poliocephalus dominicus*.

*H. furcifera*.—*Colymbus auritus*; *C. cristatus*; *C. grisegena*; *C. nigricollis*; *Poliocephalus ruficollis*.

*H. japonica*.—*Poliocephalus ruficollis*.

*H. lanceolata*.—*Colymbus* sp. See also under Anseriformes, Ciconiiformes, and Primates.

*H. lintonella*.—*Colymbus grisegena*.

*H. lobulata*.—*Podilymbus podiceps*.

*H. multistriata*.—*Colymbus grisegena*; *C. nigricollis*; *Poliocephalus ruficollis*. See also under Anseriformes.

*H. podicipina*.—*Colymbus auritus*; *C. cristatus*; *C. nigricollis*.

*H. rostellata*.—*Colymbus grisegena*. See also under Gaviiformes.

*H. woodsholei*.—*Colymbus auritus*; *C. grisegena*.

### Pelecaniformes

*H. ficticia*.—'Pelican.'

*H. kempii*.—*Phalacrocorax pygmaeus*.

*H. magniuncinata*.—*Pelecanus onocrotalus*.

*H. medici*.—*Pelecanus onocrotalus*; *P. rufescens*.

*H. parvicirrosa*.—'Pelecaniformes.'

*H. parviuncinata*.—*Pelecanus onocrotalus*.

*H. phalacrocorax*.—*Phalacrocorax carbo*.

*H. urceus*.—*Pelecanus onocrotalus*. See also under Ciconiiformes.

### Ciconiiformes

*H. ardeae*.—*Butorides striatus*; *B. virescens*.

*H. breviannulata*.—*Harpiprion caerulescens*.

*H. caroli*.—*Phoenicopterus antiquorum*.

*H. elongata*.—*Harpiprion caerulescens*.

*H. fanatica*.—*Phoenicopterus antiquorum*.

*H. fitirostris*.—*Platalea leucorodia*.

*H. filta*.—*Bubulcus ibis*.

*H. flamingo*.—*Phoenicopterus antiquorum*.

*H. futilis*.—*Platalea leucorodia*.

- H. ibidis*.—*Platibis flavipes*.  
*H. lanceolata*.—*Phoenicopterus antiquorum*. See also under Anseriformes, Colymbiformes, and Primates.  
*H. liguloides*.—*Phoenicopterus antiquorum*.  
*H. lloydi*.—'A large stork.'  
*H. megalorchis*.—*Phoenicopterus antiquorum*.  
*H. microcephala*.—*Ardea cinerea*; *A. purpurea*; *Ciconia ciconia*; *Ibis ibis*; *Leptoptilos crumeniferus*; *Nycticorax nycticorax*; *Plegadis falcinellus*; *Sphenorhynchus abdimii*. See also under Charadriiformes.  
*H. taiwanensis*.—*Ardea purpurea*.  
*H. urceus*.—*Harpiprion caerulescens*; *Platalea leucorodia*; *Plegadis falcinellus*. See also under Pelecaniformes.  
*H. varicanthos*.—*Ibis ibis*.

## Anseriformes

- H. abortiva*.—*Anas platyrhynchos*; *Mergus serrator*; *Nyroca fuligula*; *Spatula clypeata*.  
*H. acicula-sinuata*.—*Anas platyrhynchos*.  
*H. aequabilis*.—*Bucephala clangula*; *Cygnus cygnus*; *C. olor*; *Nyroca marila*.  
*H. anatina*.—*Anas acuta*; *A. platyrhynchos*; *Anser anser*; *Chaulelasmus streperus*; *Cygnus olor*; *Nyroca fuligula*; *Spatula clypeata*. See also under Galliformes and Gruiformes.  
*H. anceps*.—*Mergus serrator*.  
*H. angularostris*.—*Anas platyrhynchos*.  
*H. arcuata*.—*Nyroca ferina*; *N. marila*.  
*H. biaculeata*.—*Alopochen aegyptiaca*.  
*H. bilateralis*.—*Branta bernicla*.  
*H. bisaccata*.—*Anas brasiliensis*; *Cairina moschata*.  
*H. bisacculina*.—*Chenopsis atrata*.  
*H. clausa*.—*Dendrocygna javanica*. See also under Columbiformes.  
*H. collaris*.—*Anas acuta*; *A. crecca*; *A. platyrhynchos*; *A. poecilorhyncha*; *Anser anser*; *Mareca penelope*; *Nyroca ferina*; *N. fuligula*; *Spatula clypeata*.  
*H. compressa*.—*Anas acuta*; *A. brasiliensis*; *A. platyrhynchos*; *Anser anser*; *Mareca penelope*; *Nyroca ferina*; *N. fuligula*; *N. marila*; *N. valisneria*; *Oidemia nigra*.  
*H. conscripta*.—*Anser anser*.  
*H. coronula*.—*Anas platyrhynchos*; *Anser anser*; *Bucephala clangula*; *Clangula hyemalis*; *Dendronessa galericulata*; *Mareca penelope*; *Melanitta perspicillata*; *Nyroca marila*; *Oxyura leucocephala*; *Tadorna tadorna*.  
*H. creplini*.—*Anser albifrons*; *A. anser*; *Cygnus cygnus*; *C. olor*.  
*H. cuneata*.—'Wild duck.'  
*H. curiosa*.—*Chenopsis atrata*.  
*H. cyrtoides*.—*Oxyura jamaicensis*.  
*H. diorchis*.—*Somateria mollissima*.  
*H. echinocotyle*.—*Anas platyrhynchos*; *Casarca ferruginea*; *Spatula clypeata*.  
*H. fallax*.—*Anas querquedula*; *Bucephala clangula*; *Mareca penelope*; *Nyroca ferina*; *N. fuligula*; *N. marila*; *Somateria mollissima*.  
*H. fasciculata*.—*Anser albifrons*; *A. anser*; *Mareca penelope*; *Nyroca ferina*.  
*H. fausti*.—*Anas platyrhynchos*.  
*H. fmula*.—*Nyroca ferina*.  
*H. fista*.—*Cheniscus coromandelianus*.  
*H. flagellata*.—*Anas bahamensis*.  
*H. floreata*.—*Spatula clypeata*.  
*H. fona*.—*Cygnus olor*.  
*H. foveata*.—*Anas poecilorhyncha*.  
*H. fructifera*.—*Spatula clypeata*.  
*H. fruticosa*.—*Spatula clypeata*.

- H. giranensis*.—*Anas platyrhynchos*.  
*H. globulosa*.—*Chenopsis atrata*.  
*H. gracilis*.—*Anas crecca*; *A. platyrhynchos*; *Anser anser*; *Chaulelasmus streperus*; *Mareca penelope*; *Mergus merganser*; *M. serrator*; *Nyroca ferina*; *N. marila*; *Spatula clypeata*; *Tadorna tadorna*. See also under Gruiformes.  
*H. groenlandica*.—*Clangula hyemalis*.  
*H. hamulacanthos*.—*Nyroca americana*.  
*H. introversa*.—*Anas crecca*; *A. platyrhynchos*; *A. poecilorhyncha*; *A. rubripes*.  
*H. jägerskiöldi*.—*Anas platyrhynchos*; *Melanitta fusca*; *Somateria mollissima*.  
*H. kowalewski*.—*Nyroca fuligula*. See also under Gruiformes.  
*H. krabbeella*.—*Anas crecca*; *Chaulelasmus streperus*; *Nyroca ferina*.  
*H. lanceolata*.—*Anas platyrhynchos*; *A. rubripes*; *Anser anser*; *Branta bernicla*; *Cairina moschata*; *Cygnus cygnus*; *Netta rufina*; *Nyroca ferina*; *N. nyroca*; *Oxyura leucocephala*. See also under Ciconiiformes, Colymbiformes, and Primates.  
*H. lanceolata szpotanskaica*.—*Chenopsis atrata*.  
*H. lamellata*.—“*Tadorna radjah* or *Casarca tadornoides* . . . probably the former.”  
*H. linea*.—*Anser* sp. See also under Galliformes and Passeriformes.  
*H. lintoni*.—*Mergus serrator*.  
*H. liophallos*.—*Chenopsis atrata*; *Cygnus cygnus*.  
*H. lobata*.—*Anas bahamensis*.  
*H. longicirrosa*.—*Anas crecca*; *Anser fabilis*; *cygnopsis cygnoid*.  
*H. longistylusa*.—*Anser fabilis*.  
*H. longivaginata*.—*Branta leucopsis*.  
*H. macracanthos*.—*Bucephala clangula*; *Mergus serrator*.  
*H. macrocephala*.—*Anas platyrhynchos*.  
*H. macrostrobilodes*.—*Anas rubripes*.  
*H. mayhewi*.—*Bucephala clangula*.  
*H. megalops*.—*Anas acuta*; *A. brasiliensis*; *A. crecca*; *A. platyrhynchos*; *Cairina moschata*; *Coscoroba coscoroba*; *Cygnus cygnus*; *Nyroca fuligula*; *N. marila*; *N. nyroca*; *Oxyura leucocephala*; *Spatula clypeata*.  
*H. meggitti*.—*Anser* sp.  
*H. micraneristrotta*.—*Chenopsis atrata*; *Cygnus cygnus*; *Oidemia nigra*.  
*H. microsoma*.—*Anas crecca*; *Clangula hyemalis*; *Mareca penelope*; *Melanitta fusca*; *Nyroca marila*; *Oidemia nigra*; *Somateria mollissima*; *S. spectabilis*. See also under Charadriiformes.  
*H. multistriata*.—*Mergus merganser*. See also under Colymbiformes.  
*H. neomeggittilis*.—*Spatula clypeata*.  
*H. nitidulans*.—*Nyroca marila*. See also under Charadriiformes and Passeriformes.  
*H. nyrocae*.—*Anas platyrhynchos*; *Nyroca marila*.  
*H. octacantha*.—*Anas acuta*; *A. crecca*; *A. platyrhynchos*; *Chaulelasmus streperus*; *Spatula clypeata*.  
*H. orthacantha*.—*Coscoroba coscoroba*.  
*H. oshimai*.—*Anas platyrhynchos*.  
*H. pachycephala*.—*Histrionicus histrionicus*.  
*H. papillata*.—*Cairina moschata*.  
*H. paramicrosoma*.—*Anas platyrhynchos*; *Nyroca fuligula*.  
*H. parviceps*.—*Mergus serrator*.  
*H. parvula*.—*Anas platyrhynchos*.  
*H. pauciannulata*.—*Spatula clypeata*.  
*H. pigmentata*.—*Nyroca marila*.  
*H. pingi*.—*Anser fabilis*.  
*H. pittalugai*.—*Bucephala clangula*.  
*H. przewalski*.—*Anser anser*.  
*H. queredula*.—*Anas crecca*.

- H. rapida*.—*Chenopsis atrata*.  
*H. rara*.—*Netta rufina*.  
*H. retracta*.—*Somateria spectabilis*.  
*H. riggenbachi*.—*Netta rufina*.  
*H. robertsi*.—*Anas gibberfrons*.  
*H. rosseteri*.—*Anas platyrhynchos*; *Spatula clypeata*.  
*H. sacciperium*.—*Nyroca marila*.  
*H. sagitta*.—*Anas platyrhynchos*.  
*H. setigera*.—*Anas platyrhynchos*; *Anser albifrons*; *A. anser*; *A. fabilis*; *Branta bernicla*; *B. leucopsis*; *Cygnus cygnus*; *C. olor*; *Nyroca ferina*; *N. fuligula*. See also under Gruiformes.  
*H. sibirica*.—*Somateria spectabilis*.  
*H. simplex*.—*Anas acuta*; *A. crecca*; *Tadorna tadorna*.  
*H. solowiowi*.—*Anas acuta*; *Nyroca ferina*.  
*H. southwelli*.—*Chenopsis atrata*.  
*H. tenerrima*.—*Nyroca marila*.  
*H. tenuirostris*.—*Anas platyrhynchos*; *Anser anser*; *Melanitta fusca*; *Mergus albellus*; *M. merganser*; *M. serrator*; *Nyroca fuligula*; *N. marila*; *Somateria mollissima*. See also under Charadriiformes.  
*H. teresoides*.—*Chaulelasmus streperus*.  
*H. terraereginae*.—*Anseranas semipalmata*.  
*H. trichorhyncha*.—*Anas crecca*.  
*H. trifolium*.—*Anas platyrhynchos*.  
*H. tritesticulata*.—*Anas platyrhynchos*; *Melanitta perspicillata*; *M. fusca*; *Mergus merganser*; *M. serrator*; *Nyroca marila*. See also under Gruiformes.  
*H. venusta*.—*Anas platyrhynchos*.  
*H. villosoides*.—*Nyroca fuligula*; *N. marila*.

#### Falconiformes

- H. multihamata*.—*Milvus migrans*.  
*H. passeris*.—*Accipiter nisus*. See also under Passeriformes.

#### Galliformes

- H. anatina*.—*Perdix perdix*. See also under Anseriformes and Gruiformes.  
*H. bauchei*.—*Gallus gallus*.  
*H. cantaniana*.—*Gallus gallus*; *Meleagris gallopavo*; *Numida meleagris*; *Pavo cristatus*; *Phasianus colchicus*.  
*H. carioca*.—*Gallus gallus*; *Perdix perdix*.  
*H. exigua*.—*Gallus gallus*.  
*H. exilis*.—*Gallus gallus*.  
*H. fedtschenkowii*.—*Gallus gallus*; *Tetraogallus himalayensis*.  
*H. francolini*.—*Francolinus pintadeanus*.  
*H. gallinae*.—*Gallus gallus*.  
*H. linea*.—*Alectoris barbara*; *A. graeca*; *Coturnix coturnix*; *Gallus gallus*; *Lagopus scoticus*; *Perdix perdix*. See also under Anseriformes and Passeriformes.  
*H. meleagris*.—*Meleagris gallopavo*.  
*H. microps*.—*Centrocerus urophasianus*; *Lagopus muticus*; *L. scoticus*; *Lyrurus tetrax*; *Tetrao urogallus*.  
*H. musculosa*.—*Meleagris gallopavo*.  
*H. phasianina*.—*Alectoris rufa*; *Perdix perdix*; *Phasianus colchicus*.  
*H. rustica*.—*Gallus gallus*.  
*H. villosa*.—*Gallus gallus*; *Lyrurus tetrax*; *Tetrao urogallus*; *Tetraogallus himalayensis*. See also under Gruiformes.

#### Gruiformes

- H. ambigua*.—*Tetrax tetrax*.  
*H. anatina*.—*Fulica atra*. See also under Anseriformes and Galliformes.

- H. cholodkovskii*.—*Otis tarda*; *Tetrax tetrax*.  
*H. falsata*.—*Chlamydotis undulata*.  
*H. flaminata*.—*Chlamydotis undulata*.  
*H. gracilis*.—*Chlamydotis undulata*. See also under Anseriformes.  
*H. kowalewski*.—*Fulica atra*. See also under Anseriformes.  
*H. neoarctica*.—*Larus argentatus*; *L. marinus*.  
*H. poculifera*.—*Fulica atra*.  
*H. porzana*.—*Porzana porzana*.  
*H. setigera*.—*Fulica atra*. See also under Anseriformes.  
*H. tetraxis*.—*Tetrax tetrax*.  
*H. tritesticulata*.—*Fulica americana*. See also under Anseriformes.  
*H. tubicirrosa*.—*Cariama cristata*.  
*H. uliginosa*.—*Chlamydotis undulata*. See also under Charadriiformes.  
*H. villosa*.—*Chlamydotis undulata*; *Otis tarda*; *Tetrax tetrax*. See also under Galliformes.

#### Charadriiformes

- H. amphitricha*.—*Actitis hypoleucos*; *Calidris canutus*; *Capella gallinago*; *Croceethia alba*; *Erolia alpina*; *E. maritima*; *E. temminckii*; *Scolopax rusticola*; *Tringa glareola*; *T. totanus*.  
*H. annandalei*.—*Limosa limosa*.  
*H. baschkiriensis*.—*Larus canus*.  
*H. brachycephala*.—*Haematopus ostralegus*; *Philomachus pugnax*.  
*H. charadrii*.—*Charadrius alexandrinus*.  
*H. chionis*.—*Chionis alba*.  
*H. clandestina*.—*Haematopus ostralegus*.  
*H. ductilis*.—*Larus argentatus*; *L. marinus*.  
*H. fola*.—*Rostratula benghalensis*.  
*H. fryei*.—*Larus glaucescens*.  
*H. glandularis*.—*Himantopus himantopus*.  
*H. himantopodis*.—*Calidris canutus*; *Charadrius wilsonia*; *Himantopus himantopus*; *Recurvirostra avosetta*; *Stephanibyx melanopterus*.  
*H. innominata*.—*Recurvirostra avosetta*.  
*H. interrupta*.—*Lymnocyptes minima*; *Scolopax rusticola*.  
*H. lateralis*.—*Larus glaucescens*.  
*H. magnisaccis*.—*Erolia minuta*.  
*H. megalorhyncha*.—*Erolia maritima*.  
*H. microcephala*.—*Eudromias morinellus*. See also under Ciconiiformes.  
*H. microsoma*.—*Larus hyperboreus*. See also under Anseriformes.  
*H. minor*.—*Lobipes lobatus*; *Phalaropus fulicarius*.  
*H. moghensis*.—*Oedinenemus scolopax*.  
*H. multiglandularis*.—*Larus fuscus*.  
*H. neosouthwelli*.—*Hydroprogne tschegrava*; *Larus brunneiceps*.  
*H. nitida*.—*Capella gallinago*; *Erolia alpina*; *E. maritima*; *E. minuta*; *E. subminuta*; *E. temminckii*; *Limosa limosa*; *Pluvialis apricaria*.  
*H. nitidulans*.—*Charadrius hiaticula*; *Erolia alpina*. See also under Anseriformes and Passeriformes.  
*H. octacanthoides*.—*Larus ridibundus*.  
*H. oweni*.—*Philomachus pugnax*.  
*H. porale*.—*Glareola pratincola*.  
*H. rectacantha*.—*Charadrius hiaticula*.  
*H. recurvirostrae*.—*Recurvirostra avosetta*.  
*H. recurvirostrae magnosacco*.—*Himantopus himantopus*.  
*H. recurvirostroides*.—“*Gallinago*.”  
*H. rudolphica*.—*Glareola pratincola*; *Lymnocyptes minima*.  
*H. shen-tseni*.—*Rostratula benghalensis*.  
*H. sphaerophora*.—*Capella gallinago*; *Numenius arquata*; *N. tenuirostris*; *Scolopax rusticola*.  
*H. spinosa*.—*Rostratula benghalensis*.



*H. styloides*.—*Capella gallinago*; *Pluvianus aegyptius*; *Rostratula benghalensis*.

*H. tenuironstris*.—*Rissa tridactyla*. See also under Anseriformes.

*H. tenuis*.—*Erolia alpina*.

*H. uliginosa*.—*Lymnocyptes minima*; *Numenius arquata*; *N. phaeopus*;

*Philomachus pugnax*. See also under Gruiformes.

*H. uralensis*.—*Actitis hypoleucis*; *Arenaria interpres*; *Tringa totanus*.

*H. vaginata*.—*Recurvirostra avosetta*.

*H. vallet*.—*Erolia minuta*; *E. subminuta*.

*H. varsoviensis*.—*Erolia alpina*.

#### Columbiformes

*H. armata*.—*Columba gymnophthalmos*.

*H. clausa*.—*Columba livia*. See also under Anseriformes.

*H. columbae*.—*Aplopelia larvata*; *Columba livia*; *Streptopelia turtur*.

*H. columbina*.—*Oena capensis*.

*H. obvelata*.—*Pterocles alchata*.

*H. oena*.—*Oena capensis*.

*H. rosenhali*.—*Pterocles alchata*.

*H. serrata*.—*Columba guinea*; *C. livia*; *Streptopelia senegalensis*; *S. turtur*.

*H. serrata birmanica*.—*Columba livia*; *Streptopelia chinensis*; *S. orientalis*;

*S. tranquebarica*.

*H. streptopeliae*.—*Streptopelia capicola*; *S. orientalis*.

#### Psittaciformes

*H. macrorhida*.—*Psittaculirostris salvadorii*.

#### Cuculiformes

*H. hassalli*.—*Chalcococcyx plagosus*.

*H. intermedia*.—*Cuculus canorus*; *C. saturatus*.

*H. tonkinensis*.—*Surniculus lugubris*.

#### Strigiformes

*H. finta*.—*Ketupa ceylonensis*.

#### Caprimulgiformes

*H. brasiliensis*.—*Caprimulgus carolinensis*; *Nyctiprogne leucopyga*.

*H. caprimulgorum*.—*Caprimulgus lineatus*; *Chordeiles rupestris*; *Podager nacunda*.

#### Micropodiformes

*H. chrysolampidis*.—*Chrysolampis mosquitus*.

*H. inhamata*.—*Eupetomena macroura*.

#### Coraciiformes

*H. parvirostellata*.—*Eurystomus afer*.

*H. septaria*.—*Upupa indica*.

#### Piciformes

*H. crenata*.—*Picus martius*.

*H. rhodesiensis*.—*Lybius torquatus*.

#### Passeriformes

*H. acridotheridis*.—*Aethiopsar albocinctus*.

*H. bilharzii*.—*Aedon megarhyncha*; *Agrobates galectodes*; *Buchanga atra*;

*Pomatorhynchus senegalus*.

*H. brevicirrosa*.—*Seleucidus ignonata*.

- H. brevis*.—*Locustella flaviatilis*; *Copsychus saularis*.  
*H. clerici*.—*Hedymela atricapilla*; *Passer montanus*.  
*H. coronoidis*.—*Corone philippina*.  
*H. corvi*.—*Corvus brachyrhynchus*.  
*H. dahurica*.—*Coleus dauuricus*.  
*H. dolosa*.—*Hypochaera ultramarina*; *Pyromelana franciscana*; *Spermestes cucullatus*; *Vidua macroura*.  
*H. farciminosa*.—*Acridotheres tristis*; *Garrulus glandarius*; *Gracupiga nigricollis*; *Oriolus galbula*; *Pica pica*; *Spodiopsar malabaricus*; *Sturnus unicolor*; *S. vulgaris*; *Turdus* sp.  
*H. fernandensis*.—*Merula magellanica*.  
*H. globocephala*.—*Zosterops griseonata*; *Z. melanops*.  
*H. hemignathi*.—*Hemignathus procerus*.  
*H. importata*.—*Estrela astrilda*.  
*H. linea*.—*Alauda arvensis*. See also under Anseriformes and Galliformes.  
*H. magniovata*.—*Myiagra caledonica*.  
*H. microcirrosa*.—*Turdus migratorius*.  
*H. microscolecina*.—*Rupicola rupicola*.  
*H. naja*.—*Certhia familiaris*; *Sitta europaea*.  
*H. nasuta*.—*Cyanistes caeruleus*; *Lophophanes cristatus*; *Parus caudatus*; *P. major*; *Periparus ater*; *Poecile palustris*.  
*H. nitidulans*.—*Merula merula*. See also under Anseriformes and Charadriiformes.  
*H. orientalis*.—*Saxicola oenanthe*.  
*H. parina*.—*Parus major*; *Periparus ater*.  
*H. passerina*.—*Turdus parochus*.  
*H. passeris*.—*Aegithalus caudatus*; *Cyanistes caeruleus*; *Fringilla coelebs*; *F. montifringilla*; *Linaria cannabina*; *L. linaria*; *Lophophanes cristatus*; *Parus biarmicus*; *P. major*; *Passer domesticus*; *P. montanus*; *Periparus ater*; *Poecile palustris*; *Spinus spinus*; *Sylvia orpheus*; *S. simplex*. See also under Falconiformes.  
*H. pellucida*.—*Gymnostinops yuracarium*; *Ostinops decumanus*; *O. viridis*.  
*H. petrocinclae*.—*Petrophila cyanus*.  
*H. planesticus*.—*Acridotheres tristis*; *Turdus migratorius*.  
*H. polygramma*.—*Parus major*.  
*H. pycnonoti*.—*Pycnonotus goiavier*.  
*H. serpens*.—*Aethiopsar cristatellus*; *Anthus trivialis*; *Coleus monendula*; *C. major*; *Corvus corax*; *C. cornix*; *C. corone*; *C. torquatus*; *Galerida cristata*; *Garrulus glandarius*; *Hylocichla musica*; *Lanius senator*; *Merula merula*; *Muscicapa striata*; *Nucifraga caryocatactes*; *Oriolus galbula*; *Pica caudata*; *P. pica*; *Sturnus vulgaris*; *Trypanocorax frugilegus*; *Turdus atrigularis*; *T. migratorius*; *T. pilaris*; *T. torquatus*; *T. viscivorus*.  
*H. stylosa*.—*Coleus monendula*; *Corvus corax*; *Garrulus glandarius*; *Muscicapa striata*; *Oriolus galbula*; *Pica pica*; *Sylvia orpheus*; *Trypanocorax frugilegus*.  
*H. tichodroma*.—*Tichodroma muraria*.  
*H. variabilis*.—*Corvus brachyrhynchus*.  
*H. victoriata*.—*Sturnopaster contra*.  
*H. zosteropsis*.—*Garrulax albigularis*.

## CLASS MAMMALIA

### Marsupialia

- H. peramelidarum*.—*Perameles macrura*.

### Insectivora

- H. alpestris*.—*Neomys fodiens*.  
*H. anthocephalus*.—*Blarina brevicauda*.  
*H. bacillarlis*.—*Crocidura caerulea*; *Scalopus aquaticus*; *Talpa europaea*.

- H. barroisii*.—*Talpa europa*.  
*H. capensis*.—*Chrysochloris aurea*.  
*H. chrysochloridis*.—*Chrysochloris aurea*.  
*H. diaphana*.—*Sorex araneus*.  
*H. dodecacantha*.—“*Musaraigne indéterminée*.”  
*H. erinacei*.—*Erinaceus europaeus*.  
*H. erinacei steudeneri*.—*Erinaceus europaeus*.  
*H. furcata*.—*Crocidura caerulea*; *C. murina*; *Sorex araneus*.  
*H. globosa*.—*Neomys fodiens*.  
*H. jacobsoni*.—*Crocidura caerulea*; *C. murina*.  
*H. khalili*.—*Crocidura* sp.  
*H. maclaudi*.—*Crocidura stampfii*.  
*H. macroscelidarum*.—*Macroscelides brachyrhynchus*.  
*H. magnirostellata*.—*Neomys fodiens*.  
*H. nagaty*.—*Crocidura* sp.  
*H. neomidis*.—*Neomys fodiens*.  
*H. peipingensis*.—*Talpa* sp.  
*H. petrodromi*.—*Petrodromus tetradactylus*.  
*H. pistillum*.—*Crocidura russulus*; *Sorex alpinus*; *S. araneus*.  
*H. polyacantha*.—*Neomys fodiens*.  
*H. scalaris*.—*Crocidura russulus*; *Sorex araneus*.  
*H. scalopi*.—*Scalopus aquaticus*.  
*H. scutigera*.—*Sorex araneus*.  
*H. singularis*.—*Sorex araneus*.  
*H. solitaria*.—*Crocidura murina*.  
*H. soricis*.—*Sorex alpinus*.  
*H. spinulosa*.—*Sorex araneus*; *S. minutus*.  
*H. tiara*.—*Crocidura russulus*; *Sorex araneus*.  
*H. uncinata*.—*Crocidura russulus*; *Sorex araneus*.

### Chiroptera

- H. acuta*.—*Miniopterus schreibersi*; *Myotis nattereri*; *Plecotus auritus*; *Taphozus perforatus*; *Vespertilio murinus*; *V. noctula*; *V. pipistrellus*; *V. serotinus*.  
*H. balsaci*.—*Myotis bechsteini*; *Vespertilio serotinus*.  
*H. christensoni*.—*Myotis lucifugus*.  
*H. decipiens*.—*Chilonycteris rubiginosa*; *Mollosus perotis*.  
*H. grisea*.—*Rhinolophus ferrum-equinum*; *Vespertilio murinus*; *V. serotinus*.  
*H. kerivoulae*.—*Kerivoula picta*.  
*H. moniezi*.—*Pteropus medius*.  
*H. sandgroundi*.—*Vespertilio nanus*.

### Primates

- H. cebidarum*.—*Callicebus nigrifrons*.  
*H. cercopitheci*.—*Cercopithecus nictitans*.  
*H. diminuta*.—*Cercopithecus ascanias*; *Homo sapiens*. See also under Rodentia.  
*H. lanceolata*.—*Homo sapiens*. See also under Anseriformes, Ciconiiformes, and Colymbiformes.  
*H. nana*.—*Homo sapiens*.

### Rodentia

- H. arvicolae*.—*Microtus agrestis*.  
*H. asymmetrica*.—*Microtus arvalis*; *M. nivalis*.  
*H. contracta*.—*Mus musculus*; *M. norvegicus*; *M. rattus*.  
*H. crassa*.—*Mus musculus*; *M. norvegicus*.  
*H. diminuta*.—*Arvicanthis barbarus*; *Arvicola campestris*; *Evotomys hercynicus*; *Grammomys surdaster*; *Meriones shawi*; *Microtus agrestis*; *M. savii*; *Mus coucha*; *M. musculus*; *M. norvegicus*; *M. orientalis*; *M. rattus*; *M. sylvati*.

*cus*; *M. terrae-reginae*; *Pelomys fratei*; *Promomys jacksoni*; *Rhipidomys pyrrhorhinus*; *Rhombomys opimus*; *Sigmodon hispidus*; *Spermophilus* sp.; *Steatomys pratensis*. See also under Primates.

*H. evaginata*.—*Fiber zibethica*.

*H. fraterna*.—*Arvicanthis abyssinicus*; *Cavia cutleri*; *Eliomys quercinus*; *Meriones shawi*; *Microtus agrestis*; *Mus agrarius*; *M. minutus*; *M. musculus*; *M. norvegicus*; *M. orientalis*; *M. rattus*; *M. sylvaticus*; *Myoxus nitidula*.

*H. globirostris*.—'Rat 'houmba.''

*H. horrida*.—*Arvicola scherman*; *Meriones shawi*; *Microtus agrestis*; *M. arvalis*; *M. terrestris*; *Mus minutus*; *M. norvegicus*.

*H. microstoma*.—*Dendromus insignis*; *Leggada minutoides*; *Meriones shawi*; *Microtus agrestis*; *Mus coucha*; *M. musculus*; *M. norvegicus*; *M. orientalis*; *M. rattus*; *Promomys jacksoni*.

*H. muris-sylvatici*.—*Mus sylvaticus*.

*H. muris-variegati*.—*Arvicanthis niloticus*; *A. variegatus*.

*H. myoxi*.—*Eliomys quercinus*; *Mus rattus*; *Myoxus chilensis*; *M. glis*; *M. nitidula*.

*H. myoxi sciurina*.—*Sciurus erythraeus*; *S. vulgaris*.

*H. octocoronata*.—*Myocastor coypus*.

*H. pearsei*.—*Mus univittatus*.

*H. relicta*.—*Mus musculus*; *M. norvegicus*.

*H. sinensis*.—*Cricetus griseus*.

*H. straminea*.—*Cricetus cricetus*.

*H. uncinispinosa*.—*Mus erythroleucus*; *M. univittatus*.

#### Carnivora

*H. suricattae*.—*Suricata suricatta*.

#### HOST UNKNOWN

*H. falcata*.

*H. incognita*.

### V. BIBLIOGRAPHY OF RECENT LITERATURE

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