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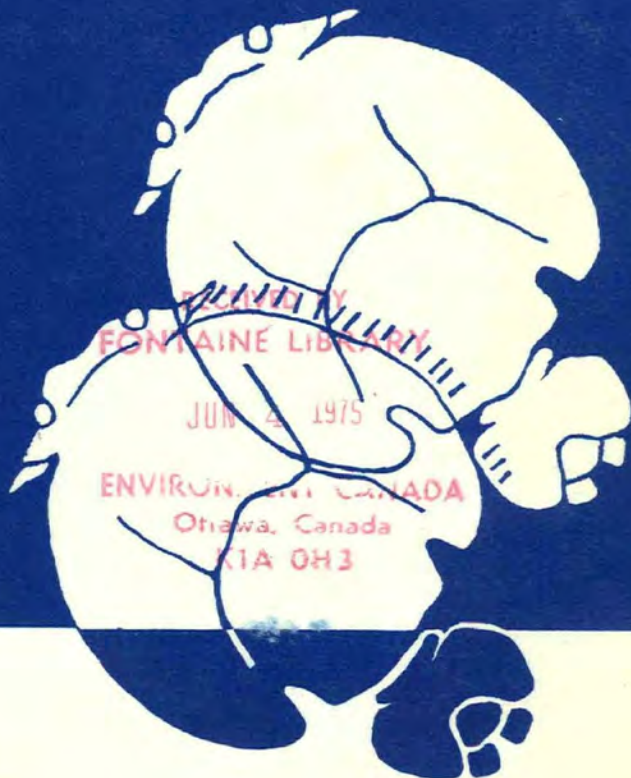


Catalogue and Synopsis of *Caligus*, A Genus of Copepoda (Crustacea) Parasitic on Fishes

L. Margolis

Z. Kabata

R. R. Parker



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CATALOGUE AND SYNOPSIS OF *CALIGUS*,

A GENUS OF COPEPODA (CRUSTACEA)

PARASITIC ON FISHES

Bulletins are designed to interpret current knowledge in scientific fields pertinent to Canadian fisheries and aquatic environments. Recent numbers in this series are listed at the back of this Bulletin.

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Department of the Environment
Fisheries and Marine Service
Office of the Editor
116 Lisgar Street, Ottawa, Canada

*Ministère de l'Environnement
Service des pêches et des sciences de la mer
Bureau du directeur de la publication
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L. Margolis

Z. Kabata

R. R. Parker ¹

*Department of the Environment
Fisheries and Marine Service
Pacific Biological Station
Nanaimo, B.C. V9R 5K6*

DEPARTMENT OF THE ENVIRONMENT
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Ottawa 1975

¹ Present address (R.R.P.): C.S.I.R.O. Cronulla, N.S.W., Australia.

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Abstract

MARGOLIS, L., Z. KABATA, AND R. R. PARKER. 1975. Catalogue and synopsis of *Caligus*, a genus of Copepoda (Crustacea) parasitic on fishes. Bull. Fish. Res. Board Can. 192: 117 p.

This book is a detailed source of literature information on the parasitic copepod genus *Caligus*. The catalogue gives in capsule form the contents of all publications known to us on members of this genus. In all, 315 nominal species of *Caligus* are catalogued. The synopsis gives information on synonymy and distribution for 208 species of *Caligus* currently ranked as valid. When deemed necessary, comments on published records, validity of species, and hosts are provided. The synopsis is followed by four lists: species transferred to other genera; junior synonyms; *nomina nuda*, *species inquirendae*, and rejected names; and misspellings. The work concludes with a comprehensive bibliography.

Résumé

MARGOLIS, L., Z. KABATA, AND R. R. PARKER. 1975. Catalogue and synopsis of *Caligus*, a genus of Copepoda (Crustacea) parasitic on fishes. Bull. Fish. Res. Board Can. 192: 117 p.

Le présent travail constitue une source détaillée de renseignements extraits de la littérature sur les copépodes parasites du genre *Caligus*. Dans la section catalogue, nous résumons succinctement toutes les publications que nous connaissons sur les membres de ce genre. En tout, 315 espèces nominales de *Caligus* y sont inscrites. Dans le synopsis, nous traitons de la synonymie et de la distribution de 208 espèces de *Caligus* présentement reconnues comme valides. Nous présentons au besoin des commentaires sur les signalements publiés, la validité des espèces et les hôtes. Le synopsis est suivi de quatre listes: espèces transférées à d'autres genres; synonymes juniors; *nomina nuda*, *species inquirendae* et noms rejetés; fautes d'orthographe. Une bibliographie détaillée complète le travail.

Introduction

Caligus Müller, 1785, is the most abundant genus of Copepoda parasitic on fishes. Since its foundation in the late 18th century more than 300 species have been assigned to it, validly or otherwise. It is not an exaggeration to say that hardly any part of the world's oceans is without some species of *Caligus* living on the outer surfaces, within buccal cavities, or on the gills of their host fishes. Occasionally, they can be found penetrating the lower reaches of rivers. One species has become widespread in the freshwater habitats of Eurasia. Some, at least, cause a good deal of damage to their fish hosts by their feeding activities. Fishes harbouring *Caligus* belong to very diverse groups, from the primitive elasmobranchs to highly advanced teleosts. Some hosts are commercially important, so the ravages of these small crustacean parasites have economic repercussions.

It is not surprising, therefore, that almost from the time of its original description the genus *Caligus* has been a subject of interest for investigators of many countries. The voluminous literature that has accumulated as the result of this interest is ample testimony of its extent.

Understandably, the early contributions to this literature were of much lower standard than those of more recent vintage. The technological means for investigations were limited and the body of knowledge small. Many errors were committed and remained embedded in the literature to confound those who sought information and to be echoed repeatedly by successive generations of scientists. A prime example of an irremediable error is the name *Caligus* itself. Meaning "blind," it was applied to the genus in the belief that its members were devoid of eyes, an obvious contradiction of the truth.

Much valuable data has never become readily accessible to the student of *Caligus* because many papers were published in

obscure journals and/or languages that are not widely known. Far from all publications have titles that make their content obvious to the searcher. A good deal of effort might be spent trying to locate and perhaps to translate a paper only to find that it is of little or no relevance with respect to *Caligus*. On the other hand, it is only too easy to miss a significant paper because the title belies its importance. Frequently information is tucked away in general compendia apparently irrelevant to a scientist following a narrow trail.

The net result of the foregoing is a first-class taxonomic muddle. In view of the obvious importance of *Caligus* (both as an object of scholarly research and an economically detrimental agent) this situation is clearly unacceptable. It cannot be dealt with, however, in a piecemeal fashion. A comprehensive and thorough review of the genus is required and concentration of the scattered information on *Caligus* in a single, readily available source is the first step. This catalogue is intended to be such a source. The authors have extracted information from all references to nominal species of *Caligus* collected in more than 10 years of search. It is difficult to claim that none escaped their attention, that the catalogue is absolutely complete. It is hoped, however, that no reference of major importance has been overlooked. References to *Caligus* sp., without specific name, are left out. Also omitted are general references to the genus, when no species is mentioned by name.

Each reference quoted in the catalogue was read and extracted by at least one of the authors. The catalogue is based on the nominal species of *Caligus*, and information grouped in chronological order for each species individually. Following *C. curtus*, the type species of the genus, all species are arranged in alphabetical order. The authors do not superimpose their own views on those expressed by the scientists they quote. They

simply record in capsule form information given in each catalogued reference. This should be remembered particularly with regard to the scientific names of fish hosts. With numerous complicated changes, which have occurred in fish taxonomy during the last century or so, many fish species were known under different names at different times and in various localities. Their synonymy is often greatly confused and is strictly a matter for a specialist. Under the circumstances, the authors of this catalogue adopted the expedient of recording the names of the fish hosts as given in each reference, with few necessary exceptions. When only the vernacular names were given, recent Latin binomina were added whenever possible. It is hoped that workers interested in any particular region will be sufficiently familiar with the local fish fauna to determine the identity of the fish referred to in each catalogued paper dealing with that region.

How to use the catalogue is best illustrated by examples. (Descriptors are listed at the end of the *Introduction*.) The first example is also the first entry in the catalogue (*Caligus curtus*).

1785 Müller, O. F. Nom. nov. Descr. ♀, syn.; *Gadus merlangus*; Danish waters. Comp. with *C. productus*. p. 130-132, 133; pl. XXI (fig. 1, 2). Dep. type material unknown.

This entry shows that O. F. Müller (1785) proposed a new name for a previously known species and described the female. The name was *Caligus curtus*. He gave its synonymy. Müller himself found the species on *Gadus merlangus* in Danish waters and compared it with *Caligus productus*. This was recorded on pages 130-132 and 133. In addition, drawings were published on Plate XXI, figures 1 and 2. The authors have no information on the present whereabouts of the material on which Müller had based his species. (This information is given, whenever possible, with each new species reference. In some instances it has not been included in the reference itself, but is from the authors' own

sources. Its inclusion was considered vital, as most serious workers would wish to consult the original material in any comparative studies.)

The second example is from *Caligus elongatus* Nordmann, 1832.

1969 Parker. Hist., descr. ♀ ♂, hosts, distr., syn. *C. kroyerii*, *C. rissoanus*, *C. rapax* of Baird, 1850 (*partim*), of Stp. and Lütck., 1861 and later authors, *C. lumpi*, *C. gurnardi* Krøyer (*partim*), *C. trachypteri*, *C. latifrons*, *C. ravidus*, *C. arcticus* new syns. p. 1013-1035; fig. 1-22.

Parker (1969) gave an historical review of the species and its synonymy. He described both the male and female and included lists of hosts and distribution of the species, based on previous records. He did not report any new finds or host affiliations. He was the first to establish that several taxa (named in the catalogue entry) not previously recognized as synonyms of *C. elongatus* should be relegated to synonymy with it. This information was given on pages 1013-1035; 22 figures were included.

To find the full bibliographical reference to these two records, readers should turn to the end of this publication, where the references are arranged in alphabetical order.

The catalogue is followed by a synopsis of the genus. Unlike the catalogue, it lists only species of currently undisputed validity. Information for each species is comprised of its synonymy, if any, and distribution range, compiled from recorded data. To some species the authors appended comments, which represent their own views or add their own personal knowledge. No host lists are given. Taxonomic difficulties alluded to above render such lists unprofitable. Much work would have to be expended on topics not directly related to *Caligus* to produce useful host lists. Basic information on host affinities can be found in the catalogue.

Following the synopsis are lists of species transferred from the genus, of junior synonyms, of *nomina nuda* and *species inquirendae*, and of misspelled specific names.

Descriptors in Catalogue Entries

- Anat. — Anatomy (descriptions of internal structures).
Comp. with — Compared with (comparison between species under which they are listed and other taxon mentioned by name).
Descr. — Description (morphological description). Usually followed by a symbol denoting the sex described.
Distr. — Distribution (account of distribution based on earlier records).
Hist. — History (historical review of the species).
Hosts — List of hosts compiled from previous records.
Key — Key to several species of *Caligus*.
L.h. — Life history (information on at least one developmental stage, either in text or in figures).
List. — Listed (a listing of the species by name, usually in faunal lists).
Ment. — Mentioned (species has been mentioned in connection with another topic).
N. comb. — New combination.
New syn. — New synonym. Indicates that the taxon to which it applies was relegated for the first time to synonymy with the species under which reference is listed.
Path. — Pathology (information on harmful effects of *Caligus* on fish hosts).
Physiol. — Physiology (some physiological information).
Syn. — Synonymy (at least partial synonymy of the species or, when used following a species name, indicates that the name is listed as a synonym of the species under which the reference is listed).

Abbreviations of Names of Institutions Storing Type Material

- Australian Mus., Sydney — Australian Museum, Sydney, New South Wales
Br. Mus. (Nat. Hist.) — British Museum (Natural History), London
Fish. Dept., Colombo, Ceylon — Fisheries Department, Colombo, Ceylon
Indian Mus. Zool. Survey India, Calcutta — Indian Museum of the Zoological Survey of India, Calcutta
Indian Mus., Calcutta — Indian Museum, Calcutta
Inst. Oceanogr. U. Sao Paulo — Instituto Oceanografico, Universidade de Sao Paulo
Inst. Roy. Sc. Nat. Belgique — Institut Royal des Sciences Naturelles de Belgique
Marine Biol. Lab., Trivandrum, India — Marine Biological Laboratory, Trivandrum, India
Mie Prefectural U., Tsu, Japan — Mie Prefectural University, Tsu, Japan
Mus. Central Marine Fish. Res. Inst., Mandapam Camp, South India — Museum of the Central Marine Fisheries Research Institute, Mandapam Camp, South India
Mus. Comp. Zool. Harvard U. — Museum of Comparative Zoology, Harvard University

Mus. Océanogr., Monaco	— Musée Océanographique de Monaco
Mus. Congo Belge, Tervuren	— Muséum du Congo Belge, Tervuren (currently Musée Royal de l'Afrique Centrale, Tervuren)
Mus. Natl. Hist. Nat., Paris	— Muséum National d'Histoire Naturelle, Paris
Mus. Nat. Hist., Stockholm	— Museum of Natural History, Stockholm
Mus. Roy. Hist. Nat., Brussels	— Musée Royale d'Histoire Naturelle, Bruxelles
Mus. Zool. Comp. Estacion Biol. Marina, Concepción, Chile	— Museo de Zoologia Comparativa, Estacion de Biologia Marina, Concepción, Chile
Mus. Zool. R. Univ., Genova	— Museo di Zoologia e Anatomia Comparata della Royale Università di Genova
Mus. Civ. Stor. Nat., Genova	— Museo Civico di Storia Naturale di Genova
Natl. Mus. Nat. Sc., Canada	— National Museum of Natural Sciences of Canada
Naturhist. Mus., Vienna	— Naturhistorisches Museum, Wien
Riksmus., Stockholm	— Naturhistoriska Riksmuseet, Stockholm
South African Mus.	— South African Museum
State Mus. Windhoek	— State Museum, Windhoek
TINRO, Vladivostok	— Tikhookeanskii Nauchno-Issledovatel'ski Institut Rybnogo Khozyaystva i Okeanografii (Pacific Research Institute of Fisheries and Oceanography)
Übersee Mus., Bremen	— Übersee Museum, Bremen
USNM	— United States National Museum, Smithsonian Institution, Washington, D.C.
U. Southern California	— University of Southern California
Zool. Dept. Victoria U., Wellington, N.Z.	— Zoology Department, Victoria University, Wellington, New Zealand
Zool. Inst. Akad. Nauk SSSR, Leningrad	— Zoologicheskii Institut Akademii Nauk SSSR (Zoological Institute of the Academy of Sciences of the USSR)
Zool. Mus. Humboldt U., Berlin	— Zoologisches Museum der Humboldt- Universität zu Berlin
Zool. Mus. U. Copenhagen	— Universitetets Zoologiske Museum, København
Zool. Mus. U. Uppsala	— Zoological Museum of the University of Uppsala

CATALOGUE



Catalogue

- Caligus curtus* Müller, 1785 (Type species) 1847 Frey and Leuckart. List. Comp. with *C. leptochilus*. p. 158, 165.
- 1785 Müller, O. F. Nom. nov. Descr. ♀, syn.; *Gadus merlangus*; Danish waters. Comp. with *C. productus*. p. 130–132, 133; pl. XXI(fig. 1, 2). Dep. type material unknown. 1847 Thompson, W. *Raia maculata*; Belfast Bay. p. 247, 249.
- 1794 Abildgaard. Ment. p. 49, 54. 1850 Baird. Ment. p. 267.
- 1798 Cuvier. Brief descr. p. 453–454. 1851a van Beneden. Ment. *C. curtus* of Krøyer, 1837 syn. of *C. elegans*. p. 92.
- 1802 Bosc. List. p. 198. 1854 Cuvier. List. p. 447.
- 1802 Latreille. List. Vol. 3, p. 15; Vol. 4, p. 372, pl. 31. 1855 Gosse. List. p. 125.
- 1814 Leach. Syn. of *C. piscinus*. p. 388. 1856 Thompson, W. List. p. 410.
- 1815 Tilesius. Descr. Varieties on salmon from Kamchatka and on *Coryphaena* and *Squalus* from Brazil. p. 356–358, 363; pl. VIII(fig. 1, 2). 1861 van Beneden. *Gadus callarias*, *Gadus aeglefinus*; Belgium. *C. curtus* of Krøyer, 1837 syn. of *C. elegans*. p. 147.
- 1816 Leach. List. as type of genus. p. 405. 1861 Steenstrup and Lütken. Brief descr. ♀ ♂, syn., key. Comp. with *C. lacustris*. *C. elegans*, ?*C. diaphanus* of Baird, 1850, *C. americanus* new syns. p. 353, 356, 370, 429; pl. I(fig. 2*).
- 1817 Cuvier. Descr. *Monoculus piscinus* syn. p. 63–64. 1863–64 Krøyer. Descr. ♀ ♂, l.h. Comp. with *C. lumpi*, *C. aeglefini*, *C. fallax*. p. 109, 110, 111, 114, 148, 163, 164, 165, 166, 167, 169, 180–181, 415; pl. VII(fig. 3e).
- 1818 Lamarck. Syn. of *C. piscinus*. p. 141. 1864 Nordmann. List. p. 463, 468.
- 1819 Leach. Ment. p. 536. 1866–79 Gerstaecker. List. p. 762, 763, 802.
- 1824 Johnston. Ment. p. 294. 1868 Chernyavsky. Ment. p. 56.
- 1825 Desmarest. Syn. of *C. piscinus*. p. 340. 1869 Olsson. Descr. ♀, syn.; *Gadus morrhua*, *Gadus virens*, *Molva vulgaris*, *Raja batis*, *Raja radiata*, *Raja fullonica*, *Acanthias vulgaris*, *Chimaera monstrosa*, *Lophius piscatorius*, *Trigla gurnardus*, *Sebastes norvegicus*; Scandinavian waters. p. 6–7.
- 1829 Latreille. Syn. of *C. piscinus*. p. 197. 1871 van Beneden. *Morrhua aeglefinus*, *Lota molva*; Belgian coast. p. 57, 62.
- 1830 Bosc. List. p. 64. 1873 Verrill. List., syn.; cod; Vineyard Sound. p. 459, 575.
- 1830 Leach. Identical with Leach (1814). 1874 Verrill and Smith. Identical with Verrill (1873). p. 165, 281.
- 1832 Leach. Syn. of *C. piscinus*. p. 226. 1880 Miers. Cod; North Sea. p. 71.
- 1832 Nordmann. Ment. *C. biscoxidatus* new syn. p. 24, 137–138. 1885 Rathbun, R. *Gadus morrhua*, *Phycis tenuis*, *Raia laevis* ?; Atlantic coast of United States. p. 486.
- 1835 Burmeister. List. Intergenera comp. of mouth tubes. p. 279 (footnote), 331. 1889 Dalla Torre. List. p. 86.
- 1836 Cuvier. Identical with Latreille (1829). p. 251. 1890 Malard. List. p. 90.
- 1837 Edwards. Identical with Latreille (1829). p. 262. 1893 Thompson, I. C. Cod, plaice; Liverpool Bay. p. 38, 48; pl. XXVII(fig. 3).
- 1837 Krøyer. Hist., descr. ♀ ♂, anat., l.h., syn.; *Gadus callarias*, *Gadus aeglefinus*; Denmark. *C. mülleri* new syn. p. 201, 619–622, 628; pl. VI(fig. 2a–m). 1894 Timm. *Gadus morrhua*; North Sea. p. 396.
- 1838 Krøyer. Ment., brief descr., key. p. 11, 17, 18, 19, 28, 29, 152, 156. 1895 Thompson, I. C. Identical with Thompson (1893). p. 118; pl. XXVII (fig. 3).
- 1838–40 Krøyer. Ment.; *Gadus morhua*; Denmark. p. 606. 1896a Bassett-Smith. Ment. p. 9.
- 1840 Edwards. List. *C. curtus* of Krøyer, 1837 and of Desmarest, 1825 nec *C. curtus* Müller. p. 451. 1896b Bassett-Smith. Cod; Plymouth. p. 157.
- 1843 Rathke. Descr., anat.; *Gadus molva*; Isle of Griep. p. 98–102. 1896 Olsson. List. p. 502.
- 1843–45 Krøyer. Ment.; *Gadus morhua*, *Gadus aeglefinus*, *Lota molva*; Denmark. p. 40, 60, 166.
- 1847 Erichson. List. p. 210.

- 1898a Brian. *Lichia amia*; Genoa. p. 208, 226; pl. I(fig. 2). Dep. Mus. Zool. R. Univ. Genova.
- 1898b Brian. Identical with Brian (1898a). p. 6, 24.
- 1898c Brian. Fig. 2 [p. 171].
- 1899 Bassett-Smith. Hosts, syn. p. 447.
- 1899a Brian. List. p. 4, 10.
- 1899b Brian. List. p. 4, 10.
- 1899c Brian. List. p. 10.
- 1900 Brian. List. p. 206.
- 1900 Scott, T. Several *Gadus* spp., *Merluccius vulgaris*, *Molva molva*, *Brosmius brosme*, *Pleuronectes platessa*, *Raia batis*, *Raia oxyrhynchus*; coast of Scotland. p. 148, 182; pl. V(fig. 8-12).
- 1901a Scott, T. List. p. 356.
- 1901b Scott, T. Ment. p. 144.
- 1901 Whiteaves. List. p. 216.
- 1902-03 Wesenburg-Lund. Comp. with *C. lacustris*. p. 278.
- 1903 Scourfield. List. Doubtful freshwater occurrence. p. 540.
- 1904 Gadd. Syn. Comp. with *C. lacustris*. p. 16.
- 1904 Scott, A. Cod, ling, hake, plaice, and others; Irish Sea. p. 118.
- 1905a Brian. Comp. with *C. remorae*. p. 564.
- 1905 Norman. List. p. 41.
- 1905 Pearson. List. p. 24.
- 1905 Rathbun, M. J. List. p. 90, appendix p. 8.
- 1905 Wilson. Hist., descr. ♀ ♂, l.h., syn., key; *Gadus morhua*, *Melanogrammus aeglefinus*, *Urophycis tenuis*, *Hippoglossus hippoglossus*, *Pollachius virens*, *Raia laevis*; New England (USA) coast. *C. aeglefini*, *C. rissonianus* [lapsus for *rissoanus*] new syns. p. 480, 481, 482, 500, 501, 502, 515, 516, 517, 518, 522, 523, 529, 555, 557, 571, 578-582, 637, 670; pl. X(fig. 112-124); text fig. 8, 24, 28. Dep. USNM.
- 1906 Brian. Hosts, distr., syn.; *Mugil cephalus*; Mediterranean. p. 35-38, 41, 124, 177, 181.
- 1906 Norman and T. Scott. List. p. 205, 206.
- 1906 Scott, T. Syn. p. 366-367.
- 1908a Brian. Ment. p. 97.
- 1908a Wilson. Ment.; *Mugil cephalus*; Beaufort, North Carolina (USA). p. 598, 599, 619, 625.
- 1913 Guiart. *Gadus pollachius*; Baie de Concarneau (France). p. 6.
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂. Comp. with *C. brevicaudatus*. Vol. 1, p. 30, 45-46, 57; Vol. 2, pl. XXIV(fig. 1, 2), XXV(fig. 7-9).
- 1913 Stephensen. Torskfisk [cod] and other fishes; Greenland. p. 345.
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1914a Brian. *Gadus aeglefinus*; Atlantic coast of Canada. p. 2. Dep. Mus. Oceanogr., Monaco.
- 1915 Stock, V. Cod, tomcod, haddock, hake, pollock; Bay of Fundy, Atlantic coast of Canada. p. 69-71.
- 1918 Jorgensen. *Gadus morrhua*; North Sea. Comp. with *C. rapax*. p. 66-67; fig. 1-3 of unnumbered second plate.
- 1920a Wilson. Cod, haddock; Greenland. p. 12.
- 1923 Hansen. *Gadus* sp., *Gadus callarias*, *Gadus aeglefinus*, *Molva byrkelange*, *Hippoglossus vulgaris*; Greenland, Iceland, Faeroes. p. 28-29.
- 1924 Johnstone et al. List. p. 19.
- 1924 Leigh-Sharpe and Perkins. *Gadus virens*, *Gadus morrhua*; Iceland. p. 289.
- 1926 Leigh-Sharpe. *Gadus morrhua*, *Gadus minutus*; Plymouth. p. 384.
- 1928 Russell and Yonge. Figured. pl. 81 (fig. 3).
- 1929 Brian. Syn. Same host and locality records as Brian (1914a). p. 3-4.
- 1929 Scott, A. List. p. 88.
- 1929 Stephensen. Distr., syn.; *Gadus callarias*, *Molva byrkelange*; Faroes. p. 1, 7, 13.
- 1930 Bere. *Melanogrammus aeglefinus*, *Gadus callarias*, *Pollachius virens*, *Microgadus tomcod*; New Brunswick (Canada). p. 423.
- 1931 Argilas. Ment. Comp. with *C. pagetti*. p. 100, 101.
- 1931a Brian. Ment. p. 119.
- 1932 Bazikalova. *Gadus callarias*, *Gadus aeglefinus*; Murmansk (USSR). p. 147.
- 1932a Wilson. Descr. ♀ ♂, hosts, distr. p. 398-400; fig. 245a, b.
- 1933a Leigh-Sharpe. List. p. 110.
- 1934 Pesta. Descr. ♀ ♂, distr. p. 18-19, 20; fig. 9, 10.
- 1935 Brian. Ment. *C. curtus* of Brian, 1898, 1899 syn. of *C. lichiae*. *C. curtus* of Brian, 1906 syn. of *C. minimus* var. *mugilis*. p. 164, 167, 171.
- 1936 Markevich. *Gadus callarias*, *Gadus aeglefinus*; Barents Sea. p. 43.

- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr., hosts, distr. Comp. with *C. rapax*, *C. minimus*, *C. belones*. p. 128-129, 187-189; fig. 89a, b.
- 1936 Schuurmans Stekhoven. *Rhombus maximus*; Belgium. p. 7.
- 1936c Wilson. Plankton; Bermuda. p. 89, 93.
- 1936 Yamaguti. Ment. p. 4.
- 1937 Markewitch [Markevich]. Ment. p. 38, 82.
- 1939 Redeke. Ment. p. 199.
- 1940 Legendre. Ment. p. 284.
- 1940 Stephensen. *Gadus callarias*, *Gadus aeglefinus*, *Gadus virens*, *Hippoglossus vulgaris*, *Molva vulgaris*; Iceland. p. 1, 3, 20.
- 1943b Heegaard. Hosts, distr.; Adriatic Sea (no host given). p. 8-9. Dep. Riksmus., Stockholm.
- 1945 Heegaard. *Rhombus maximus*; Sweden. p. 5. Dep. Zool. Mus. U. Uppsala.
- 1946 Dawes. Ment. p. 121.
- 1947 Dawes. Ment. p. 55.
- 1947 Heegaard. Anat., l.h. p. 11, 14, 21, 29, 31-97, 99, 100, 101, 105, 110, 174, 204, 205, 232; pl. 1(fig. 1-7), 2(fig. 8-15), 3(fig. 16-20), 4(fig. 21-31), 5(fig. 32-35), 20(fig. 151-153), 21(fig. 154-155), 22(fig. 156-157), 26(fig. 201); text fig. 3.
- 1947 Gurney. Anat. p. 495, 498.
- 1948 Dollfus. Ment. p. 23.
- 1948 Lang. Ment. p. 30, 34.
- 1949 Heller, A. F. *Gadus callarias*; Baie de Chaleur (New Brunswick, Canada). p. 257.
- 1949 Ferris and Henry. Nervous system. p. 115-120; fig. 66, 67.
- 1950b Gnanamuthu. Comp. with *C. scabiei*. p. 115.
- 1951 Lang. Descr. sternal furca. p. 499-501; fig. 1.
- 1953 Dollfus. Descr. ♀ ♂, hosts, distr., syn. *C. fallax* considered a teratological specimen of *C. curtus*. p. 44, 45, 49, 327-332; fig. 222-227.
- 1954 Schäperclaus. List. p. 211, 212; fig. 91a, b.
- 1954i Shiino. Comp. with *C. glandifer*. p. 156.
- 1955 Polyansky. Distr.; *Pollachius virens*, *Melanogrammus aeglefinus*, *Gadus morhua morhua*, *Molva molva*; Barents Sea. p. 100, 101, 105, 111, 112, 113, 130, 133, 135, 136, 138, table 22, 156.
- 1956 Carvalho. Comp. with *C. oligoplitisi*. p. 17.
- 1956 Dawes. Identical with Dawes (1946).
- 1956 Markevich. Descr. ♀ ♂, hosts, distr.; *Hippoglossus hippoglossus*. p. 9, 112, 120-122; fig. 62.
- 1957 Yeatman. Ment. p. 346, 351.
- 1958 Dogiel et al. Ment. p. 65, 74-75.
- 1959 Ronald. Flatfish hosts. p. 19, 25, 36, 54.
- 1960 Stuardo and Fagetti. Ment. p. 197.
- 1961 Noble, E. R., and G. A. Noble. Ment. p. 675.
- 1961 Dogiel et al. English transl. of Dogiel et al. (1958). p. 58, 66-67, 68.
- 1962 Bresciani and Lützen. List. p. 405.
- 1962 Dogiel. Ment. p. 235, 236.
- 1962 Heegaard. Ment. p. 164.
- 1963 Bocquet and J. H. Stock. Ment. p. 290.
- 1963 Dogiel. German transl. of Dogiel (1962). p. 260, 261.
- 1963 Heegaard. Ment. p. 316; fig. 2.
- 1963 Lewis. Ment. p. 201, 217, 240.
- 1963 Polyansky and Kulemina. *Gadus morhua*; Barents Sea. p. 15, 16-17.
- 1963 Yamaguti. Hosts, distr. p. 48; pl. 60(fig. 1a-j).
- 1964 Dogiel. English transl. of Dogiel (1962). p. 246-247.
- 1964 Kirtisinghe. Brief descr. ♀ ♂; *Pristipomoides typus*; Ceylon. p. 62-63, 127; fig. 49, 50.
- 1964 Noble, E. R., and G. A. Noble. Ment. p. 609.
- 1966b Lewis. Ment. p. 7.
- 1966 O'Riordan. Cod, skate; Irish waters. p. 372.
- 1966 Polyansky. English transl. of Polyansky (1955). p. 91, 95, 100, 101, 102, 114, 118, 119, 120, 122, 138, table 22.
- 1967 Pillai. Brief descr., hosts, distr. p. 1587, 1588, 1673; fig. 62.
- 1968 Davis. Ment. p. 346.
- 1968 Dienske. List. p. 53.
- 1968b Parker. List. p. 366.
- 1968 Parker et al. Hist., descr. ♀ ♂, hosts, distr., syn. p. 1923-1969; fig. 1-108.
- 1969 Hamond. *Gadus* sp.; North Sea. p. 229.
- 1969 Holthuis. List. p. viii.
- 1969 Izawa. Comp. with *C. centrodoni*, *C. pageti*, *C. rapax*, and *C. spinosus*. p. 153, 154, 155.
- 1969 Lewis. Ment. p. 67.
- 1969 Parker. Ment., syn. Comp. with *C. elongatus*. p. 1014, 1015, 1018, 1020, 1032.
- 1970 Brunel. *Gadus morhua*; Gulf of St. Lawrence (Canada). p. 28.

- 1970 Kabata. Descr. mouth parts. p. 24-26; fig. 22-23.
 1971 Blacker. List. p. 3:8.
 1971 Kabata and Hewitt. Ment. p. 1144, 1145; fig. 1.
 1971 Noble, E. R., and G. A. Noble. Ment. p. 515.
 1971 Reimer et al. List. p. 91.
 1972a Kabata. Comp. with *C. clemensi*. p. 1591, 1592.

***C. abbreviatus* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; *Labrus bergylta* ?; Bergen (Norway). p. 135-138, 174-175, 413; pl. III(fig. 3a-h). Types dep. Zool. Mus. U. Copenhagen.
 1866-79 Gerstaecker. List. p. 765, 802.
 1869 Olsson. List. p. 7.
 1898a Bassett-Smith. Comp. with *C. parvus*. p. 5.
 1899 Bassett-Smith. List. p. 446.
 1900 Stebbing. Comp. with *C. nautili*. p. 668, 669.
 1905b Scott, T. Descr. ♀, l.h., syn.; *Labrus bergylta*; Scottish waters. Probably syn. of *C. centrodoni*. p. 109; pl. V(fig. 1-6).
 1905 Wilson. Key. p. 558.
 1913 Wilson. Ment. p. 216, 220.
 1913 Scott, T., and A. Scott. Ment. Syn. of *C. centrodoni*. p. 50, 52.
 1940 Osmanov. Brief descr. ♀; *Crenilabrus pavo*, *Crenilabrus ocellatus*, *Labrus* sp.; Black Sea. p. 247-248, 259.
 1955b Reshetnikova. List. as *C. abbreviatus* [sic]. p. 120.
 1956 Markevich. Ment. Syn. of *C. centrodoni*. p. 6, 123, 124.
 1963 Yamaguti. Syn. of *C. centrodoni*. p. 48.
 1968b Parker. List. p. 363.

***C. acutus* Kirtisinghe, 1964**

- 1964 Kirtisinghe. Nom. nov. for *C. affinis* of Kurian, 1961. Brief descr. ♀; undetermined flatfish, *Gaterin lineatus*; Ceylon. p. 66; fig. 58-67. Dep. type material unknown.
 1967 Pillai. Brief descr., hosts, distr. p. 1587, 1588, 1672; fig. 63.
 1971 Pillai. Syn. of *C. savala*. p. 164, 166.

***C. aduncus* Shen and Li, 1959**

- 1959 Shen and Li. N. sp. Descr. ♀; plankton?; Tsingtao (China). p. 18-19; pl. III(fig. 30-41a). Dep. type material unknown.
 1963 Yamaguti. List. p. 48; pl. 53(fig. 1a-d).
 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.

***C. aeglefini* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; *Gadus aeglefinus*, *Raja radiata*; Denmark. Comp. with *C. curtus*. p. 163-165, 169, 181-182, 415; pl. VII(fig. 3a-f). Types dep. Zool. Mus. U. Copenhagen.
 1866-79 Gerstaecker. List. p. 762, 802.
 1869 Olsson. List. p. 7.
 1899 Bassett-Smith. List. p. 447.
 1905 Wilson. Syn. of *C. curtus*. p. 555.
 1913 Scott, T., and A. Scott. Syn. of *C. curtus*. p. 45.
 1923 Hansen. Syn. of *C. curtus*. p. 28.
 1929 Brian. Syn. of *C. curtus*. p. 3.
 1945 Heegaard. Syn. of *C. curtus*. p. 5.
 1947 Heegaard. Syn. of *C. curtus*. p. 31.
 1953 Dollfus. Syn. of *C. curtus*. p. 328.
 1956 Markevich. Syn. of *C. curtus*. p. 120.
 1963 Yamaguti. List. independently and also as syn. of *C. curtus*. p. 48; pl. 53(fig. 2a-c).
 1964 Kirtisinghe. Syn. of *C. curtus*. p. 62.
 1968b Parker. List. p. 363.
 1968 Parker et al. Syn. of *C. curtus*. p. 1923.

***C. aesopus* Wilson, 1920**

- 1920b Wilson. N. sp. Descr. ♀; scombrid, probably *Seriola pervana*; Juan Fernandez Is. p. 72-74; pl. 3(fig. 8-10), 4(fig. 11-13). Types dep. Mus. Nat. Hist., Stockholm.
 1921 Wilson. Identical with Wilson (1920b).
 1961 Fagetti and Stuardo. Ment. p. 6.
 1961 Stuardo and Fagetti. Ment. p. 57, 77, 80.
 1963 Hewitt. Descr. ♀ ♂; *Seriola grandis*; New Zealand. p. 61, 71-78, 114; fig. 4(1-8), 5(1-6). Dep. Zool. Dept. Victoria U., Wellington, N.Z.
 1963 Yamaguti. List. p. 49; pl. 53(fig. 3a-e).
 1972 Hewitt and Hine. List. p. 97, 108.

C. affinis Heller, 1866

- 1866 Heller, C. N. sp. Descr. ♀ ♂; *Umbrina cirrhosa*; Adriatic Sea. p. 751, 752-753. Dep. type material unknown.
- 1866-79 Gerstaecker. List. p. 769, 804.
- 1880 Richiardi. List. p. 148.
- 1880 Stossich. List. p. 254-255.
- 1880 Valle. *Umbrina cirrhosa*; Adriatic Sea. p. 57, 85.
- 1885 Carus. Brief descr. ♀ ♂. p. 357.
- 1900 Graeffe. List. p. 11.
- 1905 Wilson. Ment., key. p. 555, 560.
- 1906 Brian. List. p. 45, 128, 130, 180, 181.
- 1914b Brian. *Umbrina cirrhosa*; Ligurian Sea (Mediterranean). p. 134.
- 1935 Brian. Descr. ♀, host, distr. p. 152, 153, 193-195, 207; fig. XV(1-4).
- 1939 Brian. *Sphyræna* sp.; Cabinda Bay (Atlantic coast of Africa). p. 178-179; fig. I. Dep. Mus. Congo Belge, Tervuren, No. 21618, 21619.
- 1955a Barnard. List. p. 311.
- 1963 Yamaguti. Hosts, distr. p. 49.
- 1964 Kirtisinghe. Ment. p. 66.
- 1967 Silas and Ummerkutty. Ment. p. 961.
- 1968b Parker. List. p. 364.

C. affinis Kurian, 1961

- 1961 Kurian. N. sp. Descr. ♀; *Euthynnus affinis*; Kerala (India). p. 71-72; fig. 37-45. Types dep. Indian Mus. Zool. Survey, Calcutta.
- 1964 Kirtisinghe. Syn. of *C. acutus*. p. 66.
- 1967 Pillai. Syn. of *C. acutus*. p. 1588.
- 1967 Silas and Ummerkutty. Descr. ♀, host, distr. p. 957, 961, 980, 992; fig. 44(16-24).
- 1971 Pillai. Syn. of *C. savala*. p. 164, 166.

C. afurcatus Wilson, 1913

- 1913 Wilson. N. sp. Descr. ♀; *Sparisoma viride*; Jamaica. p. 215-217, 274; pl. 30 (fig. 102-106), 32(fig. 136-138). Types dep. USNM; holotype No. 43518, paratypes No. 42259.
- 1941 Capart. Ment. p. 173.
- 1949 Thomsen. Referred to *Metacaligus* n. subgen. p. 6, 7.
- 1963 Yamaguti. List. p. 47, 49; pl. 53 (fig. 4).

C. alaihi Lewis, 1968

- 1968 Lewis. N. sp. Descr. ♀ ♂; *Holocentrus sammara*; Eniwetok Atoll (South Pacific). p. 64-71; fig. 26a-g, 27a-f, 28a-h. Types dep. USNM; holotype ♀ No. 120766, allotype ♂ No. 120767.

C. alalongae Krøyer, 1863

- 1863-64 Krøyer. N. sp. Descr. ♂; *Thynnus alalonga*; locality unknown. p. 129-131, 172-173, 413; pl. IV(fig. 6a-c). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List from Mediterranean. p. 767, 804.
- 1885 Carus. Brief descr. p. 358.
- 1899 Bassett-Smith. List. p. 449.
- 1905 Wilson. Ment., key. *C. carangis* new syn. p. 497, 555, 559.
- 1906 Brian. List. p. 37, 128, 179, 181.
- 1935 Brian. List. p. 153, 204, 207.
- 1937 Kirtisinghe. Descr. ♀ ♂; *Caranx kalla*, *Caranx* spp.; Ceylon. *C. carangis* syn. p. 435-437, 439; fig. 1-14.
- 1940 Legendre. Ment. p. 284.
- 1952 Dollfus. List. p. 44.
- 1953 Capart. *Mobula rochebrunei*; Gorée (Sénégal, Africa): *Thynnus alalonga*; South Atlantic. *C. alalongae* of Kirtisinghe, 1937 not conspecific with Krøyer's species. p. 648, 654.
- 1954 Yamaguti. Descr. ♀ ♂; *Elagatis* sp., *Caranx* sp.; Macassar (Celebes). p. 379-381, 397; pl. II(fig. 19), III(fig.21).
- 1959 Capart. Descr. ♀; *Thynnus obesus*; Mossamédès (west coast southern Africa). p. 59, 62, 78-79; fig. 12a-e. Hypotypes [sic] (♀) dep. Inst. Roy. Sc. Nat. Belgique, I.G. No. 16808.
- 1959c Shiino. Comp. *C. alalongae* of Kirtisinghe, 1937 with *C. klawei*. Kirtisinghe's *alalongae* apparently not conspecific with Krøyer's. p. 356.
- 1961 Pillai. *C. alalongae* of Kirtisinghe, 1937 syn. of *C. confusus*, nec *C. alalongae* Krøyer. Comp. *C. alalongae* of Kirtisinghe with *C. constrictus*. p. 94-95, 104.
- 1962b Nunes-Ruivo. List. p. 4, 16.
- 1963 Yamaguti. Hosts, distr. p. 49; pl. 59 (fig. 2a, b).
- 1964 Kirtisinghe. *C. alalongae* of Kirtisinghe, 1937 and of Yamaguti, 1954 syn. of *C. confusus*. p. 68.

- 1967 Pillai. Identical with Kirtisinghe (1964). p. 1580.
- 1967 Silas and Ummerkutty. Hosts, distr. Syn. *C. alalongae* of Kirtisinghe, 1937. p. 877, 880, 903, 947, 957, 961-962.
- 1968 Kabata. *C. alalongae* of Kirtisinghe, 1937 (nec Krøyer) syn. of *C. confusus*. p. 9.
- 1968 Lewis. *C. alalongae* of Kirtisinghe, 1937 (nec Krøyer) and of Yamaguti, 1954 syn. of *C. confusus*. p. 53.
- 1968b Parker. List. p. 364.

C. alatus Heegaard, 1943

- 1943b Heegaard. N. sp. Descr. ♀ ♂; 1.h.; *Canthidermis*, probably *C. maculatus*; West Indies. p. 1, 14-20, 35; fig. 32-55. Types dep. Riksmus., Stockholm, No. 295.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1955a Shiino. Comp. with *C. punctatus*. p. 139, 140.
- 1957 Shen. Comp. with *C. laticorpus*. p. 355, 370.
- 1959c Shiino. Comp. with *C. klawei*. p. 356.
- 1959 Yamaguti and Yamasu. Comp. with *C. canthidermis*. p. 112-114.
- 1962 Heegaard. Comp. with *C. lucidus*. p. 160.
- 1963 Yamaguti. List. p. 49; pl. 57(fig. 1a-d).
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1948 Bonnet. *Euthynnus alleteratus*; Hawaii. p. 7.
- 1949 Heegaard. Syn. of *C. coryphaenae*. p. 241, 242.
- 1952 Shiino. Comp. with *C. tesseriifer*. p. 92.
- 1953b Causey. *Rachycentron canadus*, *Caranx hippos*; Gulf of Mexico (Texas, USA). p. 8.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1959b Shiino. Syn. of *C. coryphaenae*. p. 2, 25, 32.
- 1959 Capart. Syn. of *C. coryphaenae*. p. 81.
- 1961 Kurian. Comp. with *C. coryphaenae*. p. 69, 70.
- 1962a Nunes-Ruivo. Syn. of *C. coryphaenae*. p. 70.
- 1963a Pillai. Syn. of *C. coryphaenae*. p. 513, 514, 516-518, 522.
- 1963 Ho. Syn. of *C. coryphaenae*. p. 82.
- 1963 Yamaguti. Hosts, distr. Syn. of *C. coryphaenae*. p. 49, 51; pl. 52(fig. 2).
- 1964 Kirtisinghe. Syn. of *C. coryphaenae*. p. 51, 52.
- 1966 Kabata and Gusev. Syn. of *C. coryphaenae*. p. 159.
- 1967 Lewis. Syn. of *C. coryphaenae*. p. 101.
- 1967 Silas and Ummerkutty. Syn. of *C. coryphaenae*. p. 884, 886, 965.

C. alolaris of Silas and Ummerkutty, 1967

- 1967 Silas and Ummerkutty. *Lapsus* for *C. alveolaris*. p. 957.

C. aliuncus Wilson, 1905

- 1905 Wilson. N. sp. Descr. ♀, key; free swimming; locality unknown. p. 479, 492, 495, 514, 556, 576-577, 670; pl. IX(fig. 103-111). Types dep. USNM; holotype ♀ No. 42036.
- 1933 Gurney. Ment. p. 328.
- 1934 Gurney. Ment. p. 191.
- 1936b Wilson. Descr. ♀; *Euthynnus alleteratus*; Dry Tortugas (Florida, USA). p. 330. Dep. USNM, No. 64044.
- 1937a Wilson. Descr. ♂; *Seriola dorsalis*, *Gymnosarda pelamis*; Galapagos Is. p. 27-28, 30; pl. 3(fig. 4a-e). Paratype ♂ dep. USNM, No. 69865.
- 1943b Heegaard. Comp. with *C. elongatus* n. sp. p. 11.

C. alveolaris Heegaard, 1962

- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Euthynnus alliteratus*; North Queensland. p. 156-157, 197; fig. 37-44. Types dep. Australian Mus., Sydney.
- 1964 Kirtisinghe. Syn. of *C. coryphaenae*. p. 51.
- 1965 Kabata. List. p. 109.
- 1966 Kabata and Gusev. Syn. of *C. coryphaenae*. p. 159.
- 1967 Pillai. Syn. of *C. euthynnus*. p. 1574.
- 1967 Silas and Ummerkutty. List. as *C. alolaris*, descr. ♀ ♂, host, distr. p. 957, 962, 992; fig. 39(1-9).

C. amblygenitalis Pillai, 1961

- 1961 Pillai. N. sp. Descr. ♀; *Euthynnus affinis*; South India. p. 98-100; fig. 7A-J. Types dep. Marine Biol. Lab., Trivandrum, India.
- 1965a Shiino. Comp. with *C. longiabdominis*. p. 396, 397.
- 1967 Pillai. Brief descr., hosts, distr. p. 1580, 1672; fig. 43.
- 1967 Silas and Ummerkutty. Descr. ♀, host, distr. p. 957, 962-963, 992; fig. 40(36-45).

C. americanus Pickering and Dana, 1838

- 1838 Pickering and Dana. N. sp. Descr. ♂, anat.; cod; New York coast. p. 225-266; pl. III-V (fig. 1-25). Dep. type material unknown.
- 1840 Edwards. Descr., key. p. 451-452.
- 1844 DeKay. List. p. 58.
- 1853 Dana. Ment. p. 1354, 1355.
- 1854 Cuvier. Ment. p. 447.
- 1855 Dana. pl. 93(fig. la-w).
- 1861 Steenstrup and Lütken. Syn. of *C. curtus*. p. 353.
- 1864 Nordmann. Ment. p. 463.
- 1866-79 Gerstaecker. List. p. 762.
- 1868 Chernyavsky. Ment. p. 56.
- 1869 Olsson. Syn. of *C. curtus*. p. 6.
- 1873 Verrill. Syn. of *C. curtus*. p. 575.
- 1874 Verrill and Smith. Identical with Verrill (1873). p. 281.
- 1883 Gissler. Ment. p. 885, 887.
- 1885 Rathbun, R. Syn. of *C. curtus*. p. 486.
- 1890 Malard. List. p. 89.
- 1896 Olsson. Syn. of *C. curtus*. p. 502.
- 1899 Bassett-Smith. Syn. of *C. curtus*. p. 447.
- 1901 Whiteaves. Syn. of *C. curtus*. p. 216.
- 1905 Rathbun, M. Syn. of *C. curtus*. p. 90.
- 1905 Pearson. Syn. of *C. curtus*. p. 24.
- 1905 Wilson. Syn. of *C. curtus*. p. 482, 555, 578, 581.
- 1906 Brian. Ment. Syn. of *C. curtus*. p. 35, 36.
- 1929 Brian. Syn. of *C. curtus*. p. 3.
- 1953 Dollfus. Syn. of *C. curtus*. p. 328.
- 1956 Markevich. Syn. of *C. curtus*. p. 120.
- 1963 Yamaguti. Syn. of *C. curtus*. p. 48.
- 1968b Parker. List. p. 363.
- 1968 Parker et al. Syn. of *C. curtus*. p. 1923, 1925, 1929.

C. amplifurcatus Pearse, 1953

- 1953a Pearse. See *C. amplifurcus*.
- 1959d Shiino. Ment. p. 285.
- 1967 Lewis. Ment. p. 145.

C. amplifurcus Pearse, 1953

- 1953a Pearse. N. sp. Descr. ♀ ♂; *Caranx crysos*; Florida. p. 199-201; fig. 29-35. Types dep. USNM, No. 93710. "*C. amplifurcatus*" was used in caption of figures.
- 1959d Shiino. Descr. ♂; *Caranx lugubrius*; Pacific off Mexico. p. 280-285; fig. 7a-j, 8a-f.
- 1963 Kubota and Takakuwa. *Caranx delicatissimus*; Japan. p. 116, 117, 123; fig. 1C', 1C'', 2A', 2A''.
- 1963 Yamaguti. Hosts, distr. p. 49.
- 1967 Lewis. New syn. of *C. longipedis*. p. 145, 148, 150.

C. angustatus Krøyer, 1863

- 1863-64 Krøyer. N. sp. Descr. ♀; cod, haddock; Denmark. p. 158-162, 179-180, 415; pl. VII(fig. 2a-d). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 762, 802.
- 1869 Olsson. List. p. 10.
- 1899 Bassett-Smith. List. p. 453.
- 1905 Wilson. Ment., key. p. 492, 558.
- 1940 Stephensen. List. p. 20.
- 1963 Yamaguti. List. p. 49; pl. 54(fig. 3a, b).
- 1968b Parker. List. p. 365.

C. annularis Yamaguti, 1954

- 1954 Yamaguti. N. sp. Descr. ♀; *Otolithes* sp., *Caranx* sp.; Celebes. p. 385-386, 397; pl. IV(fig. 33, 34). Dep. type material unknown.
- 1963 Yamaguti. Hosts, distr.; *Hapalogenys mucronatus*; Inland Sea of Japan. p. 49; pl. 59(fig. 5a, b).
- 1967 Pillai. Brief descr., hosts, distr. p. 1581, 1673; fig. 47.
- 1968a Pillai. Descr. ♀; *Otolithus maculatus*; Trivandrum (India). p. 126-128; fig. 3A-K.

***C. (Pseudocaligus) apodus* (Brian, 1924)
Brian, 1935**

- 1924 Brian. N. sp. (as *Pseudocaligus apodus*).
Descr. ♀; *Mugil* sp., *Eugaleus galeus*;
Mauritania. p. 390–391; fig. 31, 32.
Dep. type material unknown.
- 1935 Brian. *Pseudocaligus* reduced to subgenus
of *Caligus*. Descr. ♀ ♂; *Mugil*
cephalus; Genoa (Italy). p. 152, 153,
195–201; fig. XVI(1–13), XVII(14–25),
XVIII(26, 27). Captions for figures all
bear name *Pseudocaligus apodus*.
- 1959 Capart. Brief. descr. as *Pseudocaligus*;
Mugil cephalus, Luanda (West Africa);
Mugil sp., Monaco. p. 88–89; fig. 19.
- 1962b Nunes-Ruivo. List. as *Pseudocaligus*.
p. 6, 16.
- 1963 Yamaguti. List. as *Pseudocaligus*. p. 66;
pl. 81(fig. 4a, b).

***C. appendiculatus* Müller, 1852**

- 1852 Müller, F. N. sp. Descr. ♂; *Cyprinus*
rutilus; Baltic Sea coast. p. 91–92; pl.
IV(fig. 5, 6). Dep. type material un-
known.
- 1864 Nordmann. Ment. p. 468.
- 1968a Parker. Proposal to suppress *C. appen-*
diculatus in favour of *C. lacustris*. p.
105–106.
- 1968b Parker. Syn. of *C. lacustris*. p. 360, 363.
- 1971 ICZN. Suppressed in favour of *C.*
lacustris and placed on Official Index of
Rejected and Invalid Specific Names
in Zoology with the Name Number
954. p. 220.

***C. arcticus* Brandes, 1956**

- 1956 Brandes. N. sp. Descr. ♀; *Trachypterus*
arcticus; Iceland (63°15'N, 22°55'W).
p. 171–181; pl. I(fig. 5), II(fig. 1–11).
Types dep. Übersee Mus., Bremen,
No. VII - 2447.
- 1963 Yamaguti. List. p. 49; pl. 58(fig. 3a, b).
- 1969 Parker. Syn. of *C. elongatus* Nordmann.
p. 1025, 1026, 1029.

***C. argilasi* Brian, 1931**

- 1931a Brian. N. sp. Descr. ♀ ♂; *Mugil*
auratus; Mediterranean (Algeria). p.
119–120; pl. I(fig. 1–9). Dep. type
material unknown.

- 1931b Brian. Syn. of *C. pageti*. p. 157.
- 1931 Argilas. Syn. of *C. pageti*. p. 95.
- 1935 Brian. Syn. of *C. pageti*. p. 171.
- 1953 Dollfus. Syn. of *C. pageti*. p. 332.
- 1963 Yamaguti. List. p. 49.
- 1971b Hewitt. Ment. p. 160.

***C. arii* Bassett-Smith, 1898**

- 1898b Bassett-Smith. N. sp. Descr. ♀ ♂;
Arius acutirostris; Ceylon. p. 82–83; pl.
IV(fig. 1–1d). Types dep. Br. Mus. (Nat.
Hist.), No. 98.12.2.9.
- 1899 Bassett-Smith. List. p. 452.
- 1905 Wilson. Key. p. 560.
- 1928a Wilson. Ment. p. 192.
- 1948 Barnard. Brief descr.; *Arius dussumieri*;
mouth of Zambezi River (Mozambique,
Africa). p. 244.
- 1955a Barnard. Descr. ♀, hosts, distr., key.
p. 244, 248–249, 309; fig. 10a, b.
- 1955b Barnard. Key. p. 100.
- 1959b Shiino. Comp. with *C. quadratus*. p. 26.
- 1963b Pillai. Descr. ♀; *Pseudarius jatius*;
India. p. 71–73, 92; fig. 3A–Q.
- 1963 Yamaguti. Hosts, distr. p. 49.
- 1964 Kirtisinghe. Brief descr. ♀. *C. arii* of
Barnard, 1948 syn. of *C. dakari* van
Beneden. p. 58–60, 126.
- 1967 Pillai. Brief descr., host, distr. *C. arii* of
Barnard, 1948 syn. of *C. dakari*. p.
1575, 1586, 1673; fig. 31.
- 1968b Parker. List. p. 365.
- 1970 Pillai. Comp. with *Lepeophtheirus*
longipalpus, *Hermilius longicornis*. p. 267.
- 1971 Pillai. Descr. ♀ from Bassett-Smith's
(1898b) collection. p. 154–156; fig.
24–34. Dep. Br. Mus. (Nat. Hist.),
syntype No. 98.12.2.9.

***C. aricolus* Wilson, 1928**

- 1928a Wilson. N. sp. Descr. ♀ ♂; *Arius*
caelatus; Thailand. p. 191–192; pl.
13(fig. 1–10). Types dep. USNM,
No. 59769.
- 1950 Suvatti. List. p. 127.
- 1963 Yamaguti. List. p. 49.

***C. asperimanus* Pearse, 1951**

- 1951 Pearse. N. sp. Descr. ♀; *Lutianus*
analis (host name appears in manuscript
in our separate of Pearse's paper;

- verified by USNM); Bimini (Bahamas). p. 344-346; fig. 68a-g. Types dep. USNM; ♀ No. 88563, ♂ No. 88562.
- 1963 Yamaguti. List. p. 49; pl. 52(fig. 1a-d).
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- C. asymmetricus*** Pillai in Kabata, 1965
- 1965 Kabata. Nom. nov. for *C. thynni* Pillai, 1963. Descr. ♀; *Euthynnus alleteratus*; Queensland. p. 109-112, 120, 126; fig. 1B, 1D, 1E. Dep. Br. Mus. (Nat. Hist.), No. 1965.4.7.3.
- 1967 Lewis. Descr. ♀ ♂, hosts, distr., syn.; *Euthynnus yaito*; Hawaii. p. 131-138, 192; fig. 49a-i, 50a-g, 51a-f.
- 1967 Pillai. Brief descr., hosts, distr. p. 1574-1575, 1672; fig. 30.
- 1968 Lewis. Descr. ♀ ♂; *Grammatorcynus bilineatus*, *Sarda orientalis*; Eniwetok Atoll (South Pacific). p. 51-52.
- C. atromaculatus*** Wilson, 1913
- 1913 Wilson. N. sp. Descr. ♀; *Teuthis hepatus*; Jamaica. p. 214-215, 273; pl. 29(fig. 92-98). Holotype dep. USNM, No. 42348.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1963 Yamaguti. List. p. 49; pl. 58(fig. 1).
- C. auxisi*** Pillai, 1963
- 1963b Pillai. N. sp. Descr. ♀ ♂; *Auxis thazard*; Trivandrum (India). p. 85-87; fig. 12A-T. Holotype ♀, allotype ♂ dep. Indian Mus. Zool. Survey India, Calcutta.
- 1967 Pillai. Brief descr., host, distr. p. 1578, 1671; fig. 37.
- 1967 Silas and Ummerkutty. Brief descr. ♀ ♂, host, distr. p. 957, 963, 992; fig. 38(1-20).
- C. (Lepeophtheirus) bagri*** Dana, 1852
- 1852 Dana. N. sp. Descr. ♀ ♂; *Bagrus* sp.; Rio de Janeiro (Brazil). *Lepeophtheirus* regarded as subgenus of *Caligus*. p. 57. Dep. type material unknown.
- 1853 Dana. *Lepeophtheirus* recognized as independent genus, with species becoming *Lepeophtheirus bagri*. p. 1348, 1357, 1358.
- 1968b Parker. List. p. 363.
- C. balistae*** Steenstrup and Lütken, 1861
- 1861 Steenstrup and Lütken. N. sp. Descr. ♀ ♂; *Balistes* sp.; West Indies. p. 354, 356-357, 428, 429; pl. I(fig. 1). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 759.
- 1876 Richters. Comp. with *C. lacustris*. p. 245.
- 1899 Bassett-Smith. List. p. 448.
- 1905a Brian. Ment. p. 564.
- 1905 Wilson. Descr. ♀, key; *Balistes* sp.; West Indies. p. 557, 558, 601-602, 670; pl. XV(fig. 172-177).
- 1910 Brady. *Orcynus thynnus*; Cape Verde (North Atlantic). p. 502, 504, 588. (Misspelled *C. calistae*.)
- 1910 Gadd. Ment. p. 5, 7.
- 1913 Wilson. List., ment. p. 208, 216.
- 1914a Brian. *Monocanthus* sp.; Sargasso Sea (39°59'N, 56°25'W). p. 2.
- 1922b Wilson. *Balistes* sp.; Australian coast. p. 2.
- 1929 Brian. Descr. ♀ ♂; *Monocanthus* sp.; Sargasso Sea. p. 4-5; pl. II (fig. 1, 2), IV(fig. 8-10), V(fig. 15-17).
- 1932a Wilson. Descr. ♀ ♂, hosts, distr., key; *Alutera scripta*; off coast of Rhode Island (USA). p. 398-400; fig. 246a, b.
- 1937a Wilson. Unidentified fish; Galapagos Is. p. 24, 30; pl. 3(fig. 1).
- 1941 Capart. Comp. with *C. hemiconiati* and *C. lolligunculae*. p. 175, 177.
- 1950a Gnanamuthu. Ment. Comp. with *C. polycanthi*. p. 159, 165, 166.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1955a Shiino. Comp. with *C. punctatus*. p. 139, 140.
- 1959d Shiino. Ment. p. 293.
- 1963 Yamaguti. List. p. 49; pl. 54(fig. 4a, b). (Also list. as *C. calistae*. p. 50.)
- 1966 Kabata and Gusev. Comp. with *C. sensilis*. p. 161.
- 1968b Parker. List. p. 366.

C. belones Krøyer, 1863

- 1863-64 Krøyer. N. sp. Descr. ♀; *Belone bellone* ("hornfisk"); Denmark. p. 155-157, 178-179, 414; pl. VII(fig. 1a-e). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 802.
- 1869 Olsson. Descr. ♀ ♂; *Belone vulgaris*; Skagerrack. p. 7-8.
- 1899 Bassett-Smith. List.; ? *Raja batis*. p. 449.
- 1905 Wilson. Descr. ♀, key; *Coryphaena equisetis*; probably Woods Hole (Mass., USA). p. 558, 586-587, 670; pl. XII(fig. 135-139). Dep. USNM.
- 1905 Rathbun, M. J. List. p. 91, appendix p. 8.
- 1908a Wilson. List. p. 625.
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1932a Wilson. Descr. ♀ ♂, distr., key. p. 398, 405; fig. 252a, b.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, hosts, distr. Comp. with *C. curtus*, *C. minimus*, *C. rapax*. p. 129, 131, 186; fig. 92A, B.
- 1940 Stephensen. List. p. 20.
- 1952 Shiino. Comp. with *C. tessifer*. p. 91-92.
- 1954 Schäperclaus. List. p. 212.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1956 Markevich. Brief descr. ♀, hosts, distr., key. p. 112, 117-118; fig. 61(1).
- 1958 Delamare Deboutteville and Nunes-Ruivo. Brief descr. ♀; *Belone bellone*; Mediterranean coast of France. *C. belones* of Wilson, 1905 renamed *C. wilsoni*. p. 217-220; fig. 3a-e.
- 1959d Shiino. Comp. with *C. tenuicaudatus*. p. 277.
- 1961 Pillai. Comp. with *C. malabaricus*. p. 109.
- 1963 Yamaguti. Hosts, distr. *C. belones* of Wilson, 1905 syn. of *C. wilsoni*. p. 49, 62; pl. 54(fig. 1a-c).
- 1968b Parker. List. p. 365.
- 1970 Cressey and Collette. Brief descr. ♀, hosts, distr.; *Belone belone*; Elbe R. (Germany); *Platybelone argalus*; Gulf of Mexico, Caribbean Sea, and Annabon, St. Helena, and Ascension Is. p. 347, 349, 376, 377, 397, 399, 406; fig. 117.

C. (Sciaenophilus) benedeni Bassett-Smith, 1898

- 1898a Bassett-Smith. N. sp. Descr. ♀; *Sciaena diacanthus*; Bombay (India). p. 9-10, 16; pl. IV(fig. 3-3d). Dep. type material unknown.
- 1903 Thompson, I.C., and A. Scott. *Sciaena diacanthus*; Ceylon. Omits subgeneric allocation. p. 294.
- 1941 Capart. *Johnius hololepidotus*; Mauritania. The allocation of this species to subgenus *Sciaenophilus* is not considered acceptable. p. 171, 172-173.
- 1947 Gnanamuthu. Comp. with *C. sciaenae*. p. 48.
- 1959 Capart. Descr. ♀; *Sciaena angolensis*, *Sciaena aquila*, *Umbrina valida*; Elephant Bay, Tiger Bay, Pointa do Dandé (west coast southern Africa). p. 59, 62, 79-81; fig. 13a-d.
- 1962a Nunes-Ruivo. *Umbrina ronchus*; Angola. p. 69, 71-72, 75; fig. 1a-e.
- 1962b Nunes-Ruivo. List. p. 4, 19, 20.
- 1963 Yamaguti. Syn. of *Sciaenophilus benedeni*. p. 66.
- 1964 Kirtisinghe. Hosts, distr. p. 64-65, 127.
- 1966 Kabata and Gusev. Syn. of *S. benedeni*. p. 163.
- 1967 Pillai. Syn. of *S. benedeni*. p. 1600.
- 1968b Parker. List. p. 363.

C. bengoensis Scott, 1894

- 1894 Scott, T. N. sp. prov. Descr.; plankton; Gulf of Guinea (west coast of Africa). p. 130; pl. 14(fig. 20). Dep. type material unknown.
- 1899 Bassett-Smith. Syn. of *C. coryphaenae*. p. 451.
- 1905 Wilson. Syn. of *C. coryphaenae*. p. 555.
- 1906 Brian. Syn. of *C. coryphaenae*. p. 44.
- 1912 Brian. Syn. of *C. coryphaenae*. p. 7.
- 1935 Brian. Syn. of *C. coryphaenae*. p. 202.
- 1949 Heegaard. Syn. of *C. coryphaenae*. p. 240, 242.
- 1955a Barnard. Syn. of *C. coryphaenae*. p. 246.
- 1959 Capart. Not syn. of *C. coryphaenae*. p. 81.
- 1959b Shiino. Ment. p. 24.
- 1963a Pillai. Ment. p. 516, 522.
- 1963 Yamaguti. Syn. of *C. coryphaenae*. p. 51.
- 1964 Kirtisinghe. Syn. of *C. coryphaenae*. p. 51.

- 1966 Kabata and Gusev. Syn. of *C. coryphaenae*. p. 159.
- 1967 Lewis. Syn. of *C. coryphaenae*. p. 101.
- 1967 Silas and Ummerkuty. Syn. of *C. coryphaenae*. p. 884.
- 1968b Parker. List. p. 363.
- C. bennetti* Causey, 1953**
- 1953a Causey. N. sp. Descr. ♀ ♂; *Lobotes surinamensis*; Grand Isle (Louisiana). p. 3-4, 13, 15; pl. III (fig. 13, 17-22). Types dep. USNM; holotype ♀ No. 93544, "topotypes" No. 93545.
- 1955 Causey. *Lobotes surinamensis*; Port Aransas (Texas). p. 4.
- 1960 Causey. *Paralabrax maculatofasciatus*, *Kyphosus sectatrix*; Pacific and Gulf of Mexico coasts of Mexico (Mazatlán, Sinaloa, Veracruz). p. 328.
- 1963 Yamaguti. Syn. of *Sciaenophilus bennetti*. p. 66; pl. 85 (fig. 3).
- C. berychis* Wilson, 1936**
- 1936a Wilson. N. sp. Descr. ♀ ♂, l.h.; *Beryx decadactylus*; Havana (Cuba). p. 107-110; fig. 1-9. Types dep. Mus. Comp. Zool. Harvard U. (holotype ♂, paratype ♀ No. 8972) and USNM (paratype ♀ and ♂ No. 69836).
- 1963 Yamaguti. List. p. 50.
- C. biaculeatus* Brian, 1914**
- 1914a Brian. N. sp. Descr. ♀; from a trawl which had caught *Macrurus* sp. and *Bathygadus* sp.; Atlantic Ocean (ca. 33°N, 17°W). p. 2-7; fig. 1, 1a, 2-5. Types dep. Mus. Océanogr., Monaco.
- 1929 Brian. Identical with Brian (1914a). p. 5-7; pl. II (fig. 5, 6), IV (fig. 1-7).
- 1960 Belloc. List. p. 22.
- 1963 Yamaguti. List. p. 50.
- 1965a Shiino. Comp. with *C. serratus*. p. 403.
- 1966 Kabata and Gusev. Comp. with *C. sensilis*. p. 161.
- C. biarticulatus* Brian, 1914**
- 1914a Brian. *Lapsus* for *C. biaculeatus*. p. 14.
- C. bicolor* (Leach, 1816) Lamarck, 1818**
- 1818 Lamarck. Nom. nov. for *Pandarus bicolor*. *Pandarus boscii* Leach, 1816, questionably listed as a variety of *C. bicolor*. p. 142.
- 1850 Baird. Syn. of *P. bicolor* and of *P. boscii*. p. 288, 289.
- 1850 White. Syn. of *P. bicolor* and of *P. boscii*. p. 123.
- 1851a van Beneden. Syn. of *P. bicolor*. p. 94.
- 1905 Wilson. Syn. of *P. bicolor*. p. 555.
- 1906 Brian. Syn. of *P. bicolor*. p. 55.
- 1907 Wilson. Syn. of *P. bicolor*. p. 400.
- 1956 Markevich. Syn. of *P. bicolor*. p. 146.
- 1962 Heegaard. Syn. of *P. bicolor*. p. 177.
- 1967a Cressey. Syn. of *P. bicolor*. p. 5, 21.
- 1967 Hewitt. Syn. of *P. bicolor*. p. 239.
- 1968b Parker. List. p. 362.
- 1969 Parker. List. p. 1020.
- C. bicuspidatus* Nordmann, 1832**
- 1832 Nordmann. N. sp. Descr. ♂; host unknown; locality unknown. p. 17-22, 28-30. Types dep. Zool. Mus. Humboldt U., Berlin. Later in the same paper, p. 137-138, Nordmann declared *C. bicuspidatus* a syn. of *C. curtus*.
- 1835 Burmeister. List. p. 331.
- 1837 Krøyer. Syn. of *C. curtus*. p. 201, 622.
- 1840 Edwards. List. p. 454.
- 1843 Rathke. Syn. of *C. curtus*. p. 98.
- 1861 Steenstrup and Lütken. *C. tricuspidatus* [*lapsus* for *C. bicuspidatus*] syn. of *C. curtus*. p. 353.
- 1869 Olsson. Syn. of *C. curtus*. p. 6.
- 1896 Olsson. Syn. of *C. curtus*. p. 502.
- 1899 Bassett-Smith. Syn. of *C. curtus*. p. 447.
- 1904 Gadd. Syn. of *C. curtus*. p. 16.
- 1905 Pearson. Syn. of *C. curtus*. p. 24.
- 1905 Wilson. Syn. of *C. curtus*. p. 555, 578.
- 1906 Brian. Ment. Syn. of *C. curtus*. p. 35, 36.
- 1913 Scott, T., and A. Scott. Syn. of *C. curtus*. p. 45.
- 1929 Brian. Syn. of *C. curtus*. p. 3.
- 1945 Heegaard. Syn. of *C. curtus*. p. 5.
- 1947 Heegaard. Syn. of *C. curtus*. p. 31.
- 1953 Dollfus. Syn. of *C. curtus*. p. 328.
- 1956 Markevich. Syn. of *C. curtus*. p. 120.
- 1963 Yamaguti. Syn. of *C. curtus*. p. 48.
- 1964 Kirtisinghe. Syn. of *C. curtus*. p. 62.
- 1968b Parker. List. p. 363.
- 1968 Parker et al. Syn. of *C. curtus*. p. 1923, 1925.
- 1969 Parker. Syn. of *C. curtus*. p. 1020, 1032.

- C. bicycletus*** Heegaard, 1945
- 1945 Heegaard. N. sp. Descr. ♀ and juv. ♂; *Cardus* sp.; Java. p. 1-5; fig. 1-15. Types dep. Zool. Mus. U. Uppsala.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1959c Shiino. Comp. with *C. klawei*. p. 356.
- 1961 Pillai. Comp. with *C. djedabae*. Possible syn. of *C. djedabae*. p. 96.
- 1963 Yamaguti. List. p. 50.
- 1960a Shiino. Comp. with *C. laticaudus*. p. 485.
- 1960c Shiino. Comp. with *Caligus* sp. p. 546.
- 1963 Yamaguti. List. p. 50; pl. 54(fig. 5a, b).
- 1965 Kabata. *Mugil cephalus*; Heron Is. (Queensland). p. 109, 111, 112, 126; fig. 1A. Dep. Br. Mus. (Nat. Hist.), No. 1965.4.7.4.
- 1967 Pillai. Syn. of *C. platytarsis*. p. 1594.
- 1971 Pillai. Syn. of *C. platytarsis*. p. 152, 154.
- C. bifurcatus*** Pearse, 1953
- 1953a Pearse. N. sp. Descr. ♀ ♂; *Echeneis naucrates*; Alligator Harbor (Florida, USA). p. 196-198; fig. 18-28. Types dep. USNM; ♂ and ♀, No. 93713.
- C. bifurcus*** Shen, 1958
- 1958 Shen. N. sp. Descr. ♀; *Lateolabrax japonicus*; Liaoning Province (China). p. 136-137, 142; pl. V(fig. 54-63). Dep. type material unknown.
- 1963 Yamaguti. Syn. of *C. curtus*. p. 48.
- 1968 Parker et al. Not accepted as syn. of *C. curtus*. p. 1924, 1925.
- 1905 Wilson. N. sp. Descr. ♀ ♂, anat., l.h., key; *Gymnosarda pelamis*; Woods Hole (Mass., USA). p. 479, 488, 500, 501, 504, 506, 507, 508, 513, 514, 516, 524, 525, 534, 537, 538, 539, 541, 542, 543, 544, 556, 558, 560, 589-594, 598, 604, 605, 670; text fig. 5, 6d, 12-15, 29, 30, 35, 37, 38, 40-45; pl. XIII(fig. 150-153). Types dep. USNM, No. 6035, 41975.
- 1905 Rathbun, M. J. List. p. 89, appendix p. 8.
- 1908a Wilson. List. p. 625.
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1924 Brian. *Cybium* sp.; Mauritania (West Africa). Comp. with *C. mauritanicus*. p. 374, 383, 423, 426.
- 1932a Wilson. Descr. ♀ ♂, key. p. 398, 399, 407-408; fig. 255a, b.
- 1934 Gurney. Ment. p. 178, 180, 195.
- 1935 Brian. Descr. ♀, distr.; *Pelamys sarda*; Genoa (Italy). p. 152, 153, 188-191; fig. XIV(1-9).
- 1936 Bere. *Pomatomus saltatrix*, *Scomberomorus maculatus*, *Lutianus griseus*, *Mugil cephalus*, *Oligoplites saurus*, *Scomberomorus cavalla*; Gulf of Mexico (Florida). p. 582.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Metanauplius figured. p. 85; fig. 19B.
- 1936 Yamaguti. Brief descr. ♀ ♂; *Euthynnus pelamys*; Yaidu (Siduoka Prefecture, Japan). Comp. with *C. katuwo*. p. 8-9, 19, 20; pl. V(fig. 69-71), VI(fig. 72-85).
- 1937 Goulliart. Ment. p. 318.
- 1937a Wilson. *Cratinus agassizi*; Galapagos Islands: *Lutianus novemfasciatus*; Tangola (Pacific coast of Mexico). p. 24.
- 1937b Wilson. *Sarda* sp. (probably *chilensis*), *Sarda velox*; Panama Bay (Pacific coast of Panama). p. 424.
- 1940 Legendre. Ment. p. 284.
- 1947 Heegaard. Ment. p. 43, 59, 62, 75, 99.
- C. (Subcaligus) bocki*** Heegaard, 1943
- 1943a Heegaard. N. sp. Descr. ♀; *Eulamia memisorrha*; Gilbert Islands (South Pacific). p. 1-4; fig. 1-11. Dep. type material unknown.
- 1963 Yamaguti. List. p. 50; pl. 56(fig. 2a-e).
- C. bombayensis*** Rangnekar, 1955
- 1955 Rangnekar, M. P. N. sp. Descr. ♀ ♂; *Mugil cephalus*; Bombay (India). p. 55-59; fig. 1-16. Types dep. Indian Mus. Zool. Survey India, Calcutta.

- 1948 Gnanamuthu. Comp. with *C. savala*. p. 594-595.
- 1949 Thomsen. Comp. chalimus stages with *C. (Metacaligus) uruguayensis*. p. 8-10.
- 1951 Carvalho. Brief descr. ♀; *Katsuwonus pelamis*; Alcatrazes Is. (Sao Paulo State, Brazil). p. 136-137.
- 1951 Gusev. Comp. with *C. macarovi*. p. 408, 410.
- 1951 Pearse. Comp. with *C. asperimanus* and *C. spinosurculus*. p. 346, 348.
- 1953a Causey. Hosts; *Gymnosarda alleterato*; Grand Isle (Louisiana). p. 4, 13.
- 1953b Causey. *Sarda sarda*; Gulf of Mexico (Texas). p. 8.
- 1954d Shiino. Ment. Comp. with ♂ of *C. katuwo*. p. 246, 248.
- 1955b Barnard. ♂ questionably identified, key; *Sarda sarda*; False Bay (South Africa). p. 8, 100.
- 1955a Reshetnikova. Descr. ♀ ♂; *Sarda sarda*; Black Sea. p. 97, 101-103; fig. 5.
- 1955b Reshetnikova. List. p. 120.
- 1956 Markevich. Descr. ♀ ♂, distr., key. Comp. with *C. macarovi*. p. 6, 112, 115, 124, 125; fig. 64(3, 4).
- 1956 Nunes-Ruivo. *Katsuwonus pelamis*; Baia Farta (Angola). Comp. with *C. katuwo*. p. 10, 12, 17; pl. II(fig. a).
- 1956 Fukui. List. p. 47.
- 1957 Fukui. List. p. 56.
- 1957 Kozikowska. Ment. p. 239.
- 1959 Capart. Comp. with *C. pelamydis*. p. 83.
- 1959a Shiino. *C. kuroshio* nom. nov. for *C. bonito* of Yamaguti, 1936, nec *C. bonito* Wilson. Comp. *C. bonito* Wilson with *C. kuroshio*. p. 51, 56.
- 1959b Shiino. Comp. with *C. quadratus*. p. 26.
- 1960 Causey. *Sarda chiliensis*, chalimus (probably *C. bonito*) from *Lutjanus* sp.; Pacific coast of Mexico. p. 328.
- 1960b Shiino. Hosts, distr.; *Sarda chilensis*; California. p. 527-528; fig. 1a, b.
- 1961 Pillai. Comp. with *C. malabaricus*. p. 109.
- 1962b Nunes-Ruivo. List. p. 4, 17.
- 1963b Pillai. Comp. with *C. kuroshio*. p. 80-81, 87.
- 1963 Shiino. *Katsuwonus pelamis*, *Euthynnus lineatus*; Pacific coast of Mexico. p. 336.
- 1963 Yamaguti. Hosts, distr. p. 50, 55; pl. 56(fig. 3).
- 1964 Lewis. Comp. with *C. kala*. p. 148, 149.
- 1965 Hwa. Ment. p. 48.
- 1965 Kabata. Comp. with *C. kuroshio*. *C. bonito* of Yamaguti, 1936 syn. of *C. kuroshio*. p. 120.
- 1965a Shiino. *C. bonito* of Yamaguti, 1936 syn. of *C. kuroshio*. p. 417.
- 1967 Lewis. Descr. ♀, hosts, distr.; *Katsuwonus pelamis*; Hawaii. *C. kuroshio* possible new syn. p. 124-131, 138, 191; fig. 46a-e, 47a-f, 48a-f.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr.; *Sarda orientalis*; South India. *C. bonito* of Yamaguti, 1936 syn. of *C. kuroshio*. p. 877, 880, 881-883, 889, 895, 903, 945, 946, 947, 963, 967; fig. 1(1-10).
- 1967 Thomas. Comp. with *C. krishnai*. p. 139-140.
- 1968 Lewis. *Sarda orientalis*; Eniwetok Atoll (South Pacific). p. 51.
- 1969 Izawa. Ment. p. 154.
- 1971 Pillai. Descr. ♀ ♂ cotypes [syntypes] from Norman collection in British Museum. *C. kuroshio* new syn. p. 161-164; fig. 63-80. Dep. Br. Mus. (Nat. Hist.), No. 1911.11.8.47989.991.

C. borealis Olsson, 1877

- 1877 Olsson. N. sp. Descr. ♀ ♂; *Thymallus vulgaris*; Jemtland (Sweden). Comp. with *C. lacustris*. p. 77-79, 88; pl. IV(fig. 2-4). Dep. type material unknown.
- 1904 Gadd. Ment. p. 20.
- 1905 Wilson. Key. p. 557.
- 1956 Markevich. Syn. of *C. lacustris*. p. 113.
- 1963 Yamaguti. List. p. 50.
- 1967 Grabda, J. Syn. of *C. lacustris*. p. 10.
- 1968b Parker. List. p. 363.
- 1971 Grabda, J. Syn. of *C. lacustris*. p. 115.

C. branchialis Malm in Steenstrup and Lütken, 1861

- 1861 Steenstrup and Lütken. N. sp. Descr. ♀; *Rhombus maximus*; Sweden. p. 353, 355, 362-363, 429; pl. II(fig. 3). Dep. type material unknown.
- 1864 Claus. Anat. p. 365-369, 382; pl. XXXIII(fig. 3-7), XXXIV(fig. 8, 9).
- 1866-79 Gerstaecker. List. p. 763.
- 1869 Olsson. Syn. of *Lepeophtheirus branchialis*. p. 12.
- 1889 Dalla Torre. List. p. 86.
- 1899 Bassett-Smith. Syn. of *L. branchialis*. p. 456.
- 1904 Gadd. Syn. of *L. branchialis*. p. 19.

- 1905 Wilson. Syn. of *Lepeophtheirus thompsoni*. p. 516, 555, 619, 623.
 1906 Brian. Syn. of *L. thompsoni*. p. 46, 47.
 1906 Gadd. Comp. with *C. dentatus*. p. 2, 5, 9.
 1906 Norman and T. Scott. Syn. of *L. thompsoni*. p. 209.
 1910 Gadd. Ment. p. 3.
 1913 Scott, T., and A. Scott. Syn. of *L. thompsoni*. p. 69.
 1923 Hansen. Syn. of *L. thompsoni*. p. 32.
 1934 Pesta. Syn. of *L. thompsoni*. p. 26.
 1954g Shiino. Considered a *Lepeophtheirus*. p. 149.
 1956 Markevich. Syn. of *L. thompsoni*. p. 133.
 1963 Yamaguti. Syn. of *L. thompsoni*. p. 77.
 1968b Parker. List. p. 363.

C. brevicaudatus Scott, 1901

- 1901 Scott, A. N. sp. Descr. ♀; *Trigla gurnardus*; Irish Sea. p. 349, 353; pl. II(fig. 7-10). Dep. type material unknown.
 1904 Scott, A. List. p. 118.
 1905 Wilson. Key. p. 558.
 1913 Scott, T., and A. Scott. Descr. ♀; *Trigla gurnardus*, *Trigla lucerna*; Irish Sea. p. 30, 56-57; pl. VI(fig. 3), VIII(fig. 10, 11), XLVIII(fig. 6).
 1929 Scott, A. *Trigla gurnardus*, *Trigla hirundo*; Irish Sea. p. 90.
 1933a Leigh-Sharpe. List. p. 112.
 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀, hosts, distr. Comp. with *C. centrodoni*, *C. gurnardi*, *C. diaphanus*, *C. zeii*, *C. labracis*. p. 133-134, 190; fig. 95.
 1941 Capart. Comp. with *C. lolligunculae*. p. 177.
 1954 Schäperclaus. List. p. 212.
 1954a Shiino. Comp. with *C. calotomi*. p. 19.
 1954i Shiino. Comp. with *C. glandifer*. p. 156.
 1955b Barnard. Key; *Trigla capensis*; Table Bay (South Africa). p. 8, 100.
 1956 Markevich. Descr. ♀, hosts, distr., key; Barents Sea. p. 112, 118-119; fig. 61(2).
 1956 Reichenbach-Klinke. *Trigla hirundo*; Gulf of Naples. p. 116, 123. *Peristedion cataphractum* as host on p. 123 is an obvious *lapsus*.
 1963 Yamaguti. List. p. 50; pl. 58(fig. 4).
 1965 Parker. Ment. p. 102.
 1968b Parker. Ment. p. 362.

C. brevicaudus Pillai, 1963

- 1963b Pillai. N. sp. Descr. ♀ ♂; *Caranx* sp.; Trivandrum (India). p. 77, 83-85; fig. 11A-R. Types dep. Indian Mus. Zool. Survey India, Calcutta; holotype ♀, allotype ♂.
 1967 Pillai. Brief descr., host, distr. p. 1589, 1671; fig. 66.
 1968a Pillai. Comp. with *C. platurus*. p. 128, 129.

C. brevipedis Bassett-Smith, 1896

- 1896a Bassett-Smith. N. sp. Descr. ♀; *Motella tricirrata*; Plymouth (England). p. 11-12; pl. III(fig. 1). Dep. type material unknown.
 1896b Bassett-Smith. List. p. 157.
 1899 Bassett-Smith. List. p. 447.
 1901 Scott, A. *Onus tricirratus*; Irish Sea. Transferred to *Pseudocaligus* n. gen. as *P. brevipedes* [sic]. p. 350; pl. II(fig. 1-6).
 1902 Scott, T. Syn. of *P. brevipedes*. p. 291.
 1905b Scott, T. Syn. of *P. brevipedes*. p. 110.
 1905 Wilson. Syn. of *P. brevipedes*. p. 555.
 1906 Norman and T. Scott. Syn. of *P. brevipes* [sic]. p. 207.
 1906 Scott, T. Syn. of *P. brevipedes*. p. 367.
 1913 Guiart. *Motella tricirrata*; Baie de Concarneau (France). p. 6.
 1913 Scott, T., and A. Scott. Syn. of *P. brevipedes* [sic]. p. 61.
 1956 Markevich. Syn. of *P. brevipedes* [sic]. p. 129.
 1963 Yamaguti. Syn. of *P. brevipedes* [sic]. p. 65.
 1968b Parker. List. p. 363.

C. brevis Shiino, 1954

- 1954e Shiino. N. sp. Descr. ♀ ♂; *Pseudolabrus japonicus*, *Duyamaeria flagellifera*, *Hali-choeres poecilopterus*; Japan. p. 178-183; fig. 1A-N, 2A-I. Types dep. Mie Prefectural U., Tsu, Japan.
 1954g Shiino. Comp. with *C. triangularis*. p. 149.
 1963 Hewitt. Descr. ♀ ♂; *Pseudolabrus pittensis*, *Pseudolabrus miles*, *Pseudolabrus celadotus*; New Zealand. p. 61, 65-71, 90, 91, 114; fig. 2(1-8), 3(1-6).
 1963 Yamaguti. List. p. 50; pl. 56(fig. 1a, b).
 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
 1972 Hewitt and Hine. List. p. 83, 94, 108.

***C. brevisoris* Shen, 1957**

- 1957 Shen. N. sp. Descr. ♀; *Cybium commersoni*; Hainan Is. (China). p. 351, 357, 369, 371–372; pl. IV(fig. 49–60). Dep. type material unknown.
- 1961 Pillai. Descr. ♀ ♂; *Indocybium guttatum*; Vizhingom (India). p. 87–89; fig. 1A–R.
- 1963 Yamaguti. List. p. 50; pl. 56(fig. 4).
- 1964 Kirtisinghe. *C. brevisoris* of Pillai, 1961 (*nec* Shen) syn. of *Caligus cybii*. p. 58.
- 1965a Shiino. Comp. with *C. pelamydis*. p. 414.
- 1967 Pillai. *C. brevisoris* of Pillai, 1961 syn. of *C. cybii*. p. 1578.
- 1967 Silas and Ummerkutty. Indian record discussed. p. 957, 964–965, 992; fig. 40(1–18).
- 1971 Pillai. *C. brevisoris* of Pillai, 1961 syn. of *C. cybii*. p. 156, 158.

***C. buechlerae* Hewitt, 1964**

- 1964c Hewitt. N. sp. as *C. büchlerae*. Descr. ♀ ♂; *Trypterygion* sp.; New Zealand. p. 123–130; fig. 1(1–10), 2(10–14). Dep. type material unknown.
- 1972 Hewitt and Hine. Spelling of *büchlerae* corrected to *buechlerae*. p. 99, 108.

***C. calistae* Steenstrup and Lütken in Brady, 1910**

See *C. balistae*.

***C. calotomi* Shiino, 1954**

- 1954a Shiino. N. sp. Descr. ♀; *Calotomus japonicus*; Japan. p. 16–19; fig. 1, 2A–P. Holotype dep. Mie Prefectural U. Tsu, Japan.
- 1957 Shen. Comp. with *C. communis*. p. 354.
- 1963 Yamaguti. List. p. 50; pl. 58(fig. 5).
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1968b Parker. Ment. p. 362.

***C. canthidermis* Yamaguti and Yamasu, 1959**

- 1959 Yamaguti and Yamasu. N. sp. Descr. ♀; *Canthidermis maculatus*; Inland Sea (Japan). p. 112–114, 150; pl. VII(fig. 124–135). Dep. type material unknown.

- 1963 Yamaguti. List. p. 50; pl. 59(fig. 1).
- 1966 Ho. Syn. of *C. polycanthi*. p. 163, 170, 171, 177.

***C. carangis* Krøyer, 1863**

- 1863–64 Krøyer. N. sp. Descr. ♀; *Caranx* sp.; East Indies. p. 143–145, 176, 414; pl. V(fig. 2a–e). Types dep. Zool. Mus. U. Copenhagen.
- 1865 Heller. Comp. with *C. tenax*. p. 173.
- 1866–79 Gerstaecker. List. p. 767, 795.
- 1898c Bassett-Smith. *Caranx melamphigus*; Aden. Comp. with *C. tenax*. p. 357, 360, 364. ♀ ♂ dep. Br. Mus. (Nat. Hist.).
- 1899 Bassett-Smith. List. p. 449.
- 1905 Wilson. Syn. of *C. alalongae*. p. 555.
- 1937 Kirtisinghe. Syn. of *C. alalongae*. p. 439.
- 1963 Yamaguti. List. p. 50; pl. 55(fig. 1).
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- 1968b Parker. List. p. 363.

***C. caudatus* Krøyer, 1838**

- 1838 Krøyer. Nom. prov. Syn. of *C. diaphanus*. p. 16.

***C. centrodoni* Baird, 1850**

- 1850 Baird. N. sp. Descr. ♀ ♂; *Pagellus centrodoni*; Dublin (Ireland). p. 272–273; pl. XXXII(fig. 6, 7). Dep. type material unknown.
- 1850 White. List. p. 119.
- 1855 Gosse. List. p. 125.
- 1857 White. Brief descr. ♀ ♂. p. 314.
- 1863 Krøyer. Comp. with *C. abbreviatus*. p. 138.
- 1866–79 Gerstaecker. List. p. 768, 802.
- 1899 Bassett-Smith. List. p. 447.
- 1900 Stebbing. Ment. p. 668.
- 1905 Norman. List. p. 41.
- 1905 Pearson. List. p. 24.
- 1905b Scott, T. Possibly senior syn. of *C. abbreviatus* Krøyer. p. 109.
- 1905 Wilson. Descr. ♀ ♂, key; *Pagellus centrodoni*; England. p. 480, 557, 558, 652–655, 672; pl. XXVII(fig. 333–344). Dep. USNM, No. 8105.
- 1906 Norman and T. Scott. List. p. 206.
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂; *Pagellus centrodoni*; Dublin (Ireland), Plymouth (England), Moray Firth

- (Scotland). *C. abbreviatus* new syn. p. 30, 50–52; pl. V(fig. 1–3), XVIII(fig. 1–3).
- 1926 Leigh-Sharpe. List. p. 384.
- 1933a Leigh-Sharpe. List. p. 111.
- 1934 Gurney. L.h.; *Labrus bergylta*; Plymouth (England). p. 178–191; fig. 1, 2, 4, 6, 8, 9, 10, 11, 14, 15, 16.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, hosts, distr. Comp. with *C. gurnardi*, *C. brevicaudatus*, *C. pelamydis*, *C. diaphanus*, *C. zeii*, *C. labracis*. p. 131–132, 134, 191–193; fig. 93A, B.
- 1940 Stephensen. List. p. 20.
- 1943b Heegaard. *Sebastes marinus*, *Pagellus centrodontus*; Cornwall (England). p. 8. Dep. Riksmus., Stockholm, No. 221.
- 1946 Dawes. Ment. p. 121.
- 1947 Heegaard. Ment. p. 56.
- 1948 Dollfus. Ment. p. 23.
- 1950b Delamare Deboutteville. Ment. p. 362.
- 1952 Kurian. Ment. p. 13.
- 1954 Schäperclaus. List. p. 212.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1956 Dawes. Identical with Dawes (1946).
- 1956 Markevich. Descr. ♀ ♂, hosts, distr., key. *C. abbreviatus* of Osmanov, 1940 syn. of *C. centrodonti*. p. 112, 123–125; fig. 64(1, 2).
- 1957 Kozikowska. Ment. p. 239.
- 1963 Yamaguti. Hosts, distr., syn. p. 48, 50; pl. 57(fig. 2a, b).
- 1964a Hewitt. Men'. p. 157.
- 1965 Hwa. Ment. p. 49.
- 1968b Parker. List. p. 366.
- 1969 Izawa. Comp. with *C. curtus*, *C. pageti*, *C. rapax*, and *C. spinosus*. p. 153, 154, 155.
- 1972a Kabata. Comp. with *C. clemensi*. p. 1591, 1592.

C. cheilodactyli Krøyer, 1863

- 1863–64 Krøyer. N. sp. Descr. ♀ ♂, l.h.; *Cheilodactylus* sp.; Valparaiso (Chile). p. 111, 126–129, 172, 413; pl. IV(fig. 5a–d). Types dep. Zool. Mus. U. Copenhagen.
- 1866–79 Gerstaecker. List. p. 768.
- 1899 Bassett-Smith. List. p. 449.
- 1905 Wilson. Key. p. 557, 559.
- 1922b Wilson. Unknown host; Morocco. p. 106.

- 1923 Wilson. Chalimus larvae; *Chilodactylus variegatus*; Junin (Chile). p. 5.
- 1963 Yamaguti. Hosts, distr. p. 51; pl. 55(fig. 2a–d).
- 1968b Parker. List. p. 366.

C. chelififer Wilson, 1905

- 1905 Wilson. N. sp. Descr. ♀; key, menhaden (*Brevoortia tyrannus*), swordfish (*Xiphias gladius* ?), *Trichiurus lepturus*; Massachusetts (USA). p. 479, 558, 582–585, 589, 670; pl. XI(fig. 125–134). Holotype dep. USNM, No. 6079.
- 1905 Rathbun, M. J. List. p. 91, appendix p. 8.
- 1908a Wilson. *Trichiurus lepturus*; North Carolina (USA). p. 626.
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1924 Brian. In plankton; Baie du Repos (Mauritania). p. 374, 426.
- 1926 Oakley. Comp. with *C. zeii*. p. 404, 407.
- 1932a Wilson. Descr. ♀, hosts, distr., key. p. 398, 404–405; fig. 251a, b.
- 1949 Redkar, P. G. Rangnekar, and Murti. Comp. with *C. furcisetifer*. p. 43.
- 1955 Westman and Nigrelli. List. p. 153.
- 1956 Brandes. Comp. with *C. macarovi*, *C. orientalis*, *C. latifrons*, *C. schistonyx*, *C. arcticus*. p. 173–175, 178; pl. I(fig. 3).
- 1957 Shen. Comp. with *C. hilsae*. p. 360.
- 1963 Yamaguti. List. p. 51; pl. 60(fig. 3).
- 1967 Silas and Ummerkutty. Brief descr. ♀, hosts, distr. p. 877, 883–884, 892, 903, 948; fig. 2(10–19).
- 1972b Kabata. Descr. ♀ ♂; *Cynoscion nebulosus*, undetermined species of clupeids and engraulids, free swimming; Miami (Florida). p. 389–398; fig. 1–23.
- 1972 Kroger and Guthrie. *Brevoortia tyrannus*; Connecticut R. (USA). p. 559.

C. chiloscyllii Pillai, 1967

- 1967 Pillai. Nom. nov. for *C. minutus* Pillai, 1963. Brief descr., host, distr. p. 1590–1591, 1671; fig. 71.

C. chorinemi Kollar in Krøyer, 1863

- 1863–64 Krøyer. N. sp. Descr. ♀; *Chorinemus saliens*; Brazil. p. 141–143, 175–176, 413; pl. V(1a–h). Holotype dep. Zool. Mus. U. Copenhagen.

- 1865 Heller. Descr. ♂, distr.; *Chorinemus saliens*; Brazil. p. 174-175, 262, 266; pl. 15(fig. 4, 4a, 4b). ♀ ♂ dep. Naturhist. Mus., Vienna.
- 1866-79 Gerstaecker. List. p. 767, 797.
- 1899 Bassett-Smith. List. p. 451.
- 1902 Poche. Ment. p. 18.
- 1905 Wilson. Ment., key. p. 497, 559, 560, 561.
- 1937a Wilson. Descr. young ♀; unidentified fish; Galapagos Is.: *Seriola dorsalis*; Costa Rica, Columbia. p. 24-25, 30. ♀ ♂ dep. U. Southern California.
- 1954 Yamaguti. Comp. with *C. paxillifer*. p. 385.
- 1963 Yamaguti. List., hosts, distr. p. 51; pl. 55(fig. 5a-c).
- 1968b Parker. List. p. 365.
- C. communis* Shen, 1957**
- 1957 Shen. N. sp. Descr. ♀ ♂; *Mugil cephalus*, free swimming; Chefoo (China). p. 351, 352-354, 369-370; pl. I(fig. 1-20). Dep. type material unknown.
- 1959 Shen and Li. Comp. with *C. aduncus*. p. 19.
- 1962 Yin. ♀, nec ♂, considered identical with *C. orientalis*, and *C. communis* listed as syn. of *C. orientalis*. p. 41, 42.
- 1963 Yamaguti. List. p. 51; pl. 55(fig. 3).
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1965 Hwa. Syn. of *C. orientalis* (♂ and ♀). p. 56.

***C. confusus* Pillai, 1961**

- C. clavatus* Kirtisinghe, 1964**
- 1964 Kirtisinghe. N. sp. Descr. ♀; *Sphyraena obtusata*; Ceylon. p. 63-64, 126; fig. 51-56. Types dep. Fish. Dept., Colombo, Ceylon.
- 1967 Pillai. Brief descr., hosts, distr. *C. sphyraeni* Pillai, 1963 (presumably considered to be preoccupied by *C. sphyraenae* Nunes-Ruivo and Fourmanoir, 1956) new syn. p. 1576, 1674; fig. 35.
- 1961 Pillai. Nom. nov. for *C. alalongae* of Kirtisinghe, 1937, for *C. constrictus* of Wilson, 1937, and for *C. constrictus* of Shiino, 1959. Brief descr. ♀ ♂; *Caranx sansun*; South India. p. 104; fig. 10A-P.
- 1963b Pillai. Comp. with *C. cordyla*. p. 83.
- 1964 Kirtisinghe. Descr. ♀ ♂, hosts, distr.; Carangidae; Ceylon. p. 68-69, 127; fig. 70, 71.
- 1967 Pillai. Brief descr., hosts, distr., syn. *C. alalongae* of Yamaguti, 1954 new syn. p. 1580, 1671; fig. 44.
- 1968 Kabata. Hist.; *Caranx* sp.; New Caledonia. p. 9, 10; fig. 3F.
- 1968 Lewis. Descr. ♀, hosts, distr., syn.; *Caranx melampygus*; Eniwetok Atoll (Pacific Ocean). p. 53-59; fig. 22a-i, 23a-g.
- 1969 Lewis et al. *Elagatis bipimulatus*; Indian Ocean (8°35'S, 69°55'E). p. 426, 432.
- 1970 Pillai. Comp. with *C. cordyla*, *C. platurus*. p. 267.

***C. clemensi* Parker and Margolis, 1964**

- 1964 Parker and Margolis. N. sp. Descr. ♀ ♂; *Oncorhynchus kisutch*, *Oncorhynchus gorboscha*, *Oncorhynchus keta*, *Clupea pallasi*, *Gasterosteus aculeatus*, *Hexagrammos* sp., *Theragra chalcogrammus*; British Columbia (Canada). *C. gurnardi* of Fraser, 1920 syn. p. 873-889; fig. 1-12. Types dep. Natl. Mus. Nat. Sc., Canada; holotype ♀ No. 6954, allotype ♂ No. 6955, paratypes ♀ ♂ No. 6956.
- 1968 Parker et al. Ment. p. 1942.
- 1969 Arai. *Clupea harengus pallasi*; British Columbia. p. 2321, 2335.
- 1970 Kabata. Path. p. 71; fig. 83.
- 1971 Kabata and Hewitt. Descr. locomotory mechanisms. p. 1143, 1144, 1147-1151; fig. 2-9.
- 1972a Kabata. Descr. ♀ ♂, l.h. p. 1571-1593; fig. 1-106.
- C. constrictus* Heller, 1865**
- 1865 Heller. N. sp. Descr. ♂; *Stromateus* sp.; Indian Ocean. p. 175-176, 262, 265; pl. XV(fig. 5, 5a, 5b). Dep. type specimen unknown.
- 1866-79 Gerstaecker. List. p. 767, 795.
- 1898b Bassett-Smith. Comp. with ♂ *C. cossackii*. p. 86.

- 1899 Bassett-Smith. List. as questionable syn. of *C. cossackii*. p. 451.
- 1905 Wilson. Key. p. 560.
- 1937a Wilson. Descr. ♀; *Caranx hippos*; Panama (Pacific coast) and Ecuador: *Elagatis bipinnulatus*; Panama. p. 25–26, 30; pl. 3 (fig. 3a–i). One ♀ dep. USNM, No. 69866.
- 1937b Wilson. Descr. of variations from previously described ♀; *Caranx hippos*, *Coryphaena hippurus*; Panama (Pacific coast). p. 428.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25.
- 1956 Kirtisinghe. Descr. ♀ ♂; *Alectis indicus*; Ceylon. p. 14–15; fig. 1–4.
- 1959d Shiino. Hist., descr. ♀; ? *Seriola* sp.; Pacific coast of Colombia (6°30'N, 77°53'W). p. 285–290; fig. 9A–J, 10A–G. Shiino notes his specimen identical with ♀ *C. constrictus* of Wilson, 1937 and different from ♀ *C. constrictus* of Kirtisinghe, 1956.
- 1960 Causey. *Caranx hippos*; Pacific coast of Mexico. p. 328.
- 1961 Pillai. Hist., syn.; *Carangoides malabaricus*; South India. Comp. with *C. alalongae* of Kirtisinghe, 1937 (= *C. confusus*). *C. constrictus* of Wilson, 1937 and of Shiino, 1959 not conspecific with *C. constrictus* Heller and renamed *C. confusus* nom. nov. *Midias carangis* Rangnekar, 1956 new syn. p. 93–96, 104; fig. 3A–S.
- 1963 Kubota and Takakuwa. Ment. p. 116.
- 1963 Yamaguti. Hosts, distr. p. 51; pl. 57 (fig. 3a–d).
- 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr. p. 54–55, 68, 127; fig. 27, 28.
- 1964 Lewis. Comp. *C. constrictus* of Wilson, 1937 with *C. randalli* and *C. ligatus*. p. 141, 157–163, 171; fig. 6(c, g, m).
- 1965c Shiino. Comp. *C. constrictus* of Wilson, 1937 and Shiino, 1959 with *Lepeophtheirus orbicularis*. p. 453.
- 1967 Pillai. Brief descr., Indian hosts, distr., syn. p. 1580, 1585–1586, 1670, 1671; fig. 58.
- 1968 Kabata. *C. constrictus* of Wilson, 1937 and Shiino, 1959 syn. of *C. confusus*. p. 9, 10.
- 1968 Lewis. *C. constrictus* of Wilson, 1937 and Shiino, 1959 syn. of *C. confusus*. p. 54, 59.
- 1968b Parker. List. p. 365.
- C. cordiventris* Shiino, 1952**
- 1952 Shiino. N. sp. Descr. ♀; *Xesurus scalprum*; Japan. p. 92–95; fig. 6 A–J. Types dep. Mie Prefectural U., Tsu, Japan.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1955b Shiino. Descr. ♀ ♂; *Xesurus scalprum*; Japan. p. 65–67; fig. A–I. Dep. Mie Prefectural U., Tsu, Japan.
- 1957 Fukui. List. p. 56.
- 1957 Shen. Comp. with *C. communis*. p. 354, 370.
- 1959d Shiino. Ment. p. 293.
- 1961 Pillai. Comp. with *C. priacanthi*. p. 107.
- 1963b Pillai. Comp. with *C. thynni* Pillai. p. 90.
- 1963 Yamaguti. List. p. 51.
- 1965 Kabata. Ment. p. 111.
- 1968a Pillai. Comp. with *C. tylosuri*. p. 133.
- C. cordyla* Pillai, 1963**
- 1963b Pillai. N. sp. Descr. ♀ ♂; *Megalaspis cordyla*; South India. p. 77, 82–83, 85; fig. 10A–T. Types dep. Indian Mus. Zool. Survey India, Calcutta.
- 1967 Pillai. Brief descr., host, distr. p. 1588–1589, 1672; fig. 65.
- 1968a Pillai. Comp. with *C. platurus*. p. 128.
- 1970 Pillai. Comp. with *C. confusus*, *C. platurus*. p. 267.
- C. cornutus* Heegaard, 1962**
- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Sphyræna jello* (?), *Sphyræna* sp.; North Queensland. p. 164–165, 197; fig. 92–98. Dep. type material unknown.
- 1964 Kirtisinghe. Considered a species of *Midias*. p. 72.
- 1965 Kabata. List. p. 109.
- 1967 Pillai. Brief descr., hosts, distr. *C. spinosus* of Pillai, 1963 new syn. p. 1584, 1674; fig. 54.
- 1968a Pillai. Hist., syn. p. 130–131; fig. 5A–H.

- C. coryphaenae* Steenstrup and Lütken, 1861
- 1861 Steenstrup and Lütken. N. sp. Descr. ♀ ♂; *Coryphaena* sp.; North Atlantic Ocean (30°N, 38°W and 20.5°N, 22°W). p. 352, 354, 360–362, 429; pl. IV (fig. 7). Types dep. Zool. Mus. U. Copenhagen.
- 1866–79 Gerstaecker. List. p. 766.
- 1877 Olsson. Comp. with *C. borealis*. p. 78.
- 1880 Richiardi. *Coryphaena hippurus*; Italy. p. 148.
- 1880 Stossich. List. p. 255.
- 1880 Valle. *Coryphaena pelagica*; Adriatic Sea. p. 58, 87.
- 1885 Carus. Brief descr. ♀ ♂, hosts, distr. p. 358.
- 1899 Bassett-Smith. *Coryphaena* sp.; East Indies. *C. bengoensis*, ? *C. thynni*, ? *C. scutatus* new syns. p. 451.
- 1899a Brian. Hosts, distr.; *Coryphaena hippurus*; Elba Is. (Italy). p. 4, 10.
- 1899b Brian. Identical with Brian (1899a).
- 1899c Brian. List. p. 10.
- 1900 Brian. List. p. 206.
- 1900 Graeffe. List. p. 44.
- 1903 Brian. *Coryphaena hippurus*; Elba Is. (Italy). p. 7.
- 1905 Wilson. Ment., key. Comp. with *C. aliuncus*. p. 492, 555, 556, 559, 577.
- 1906 Brian. Hist., hosts, distr., syn. p. 44–45, 125, 128, 130, 176, 181.
- 1908a Brian. *Coryphaena hippurus*; Atlantic Ocean (31.5°N, 42.5°W). p. 2.
- 1910 Gadd. Comp. with *C. glacialis*. p. 2, 7.
- 1912 Brian. Hosts, distr., syn. p. 7.
- 1923 Wilson. Hosts, distr.; *Squalus acanthias*; East Africa. p. 5.
- 1935 Brian. Hosts, distr. p. 152, 202–204, 206; fig. XIX(1, 2, 9), XX(3–8).
- 1936 Yamaguti. Descr. ♀; *Coryphaena hippurus*; Pacific (? near Japan). p. 5–6, 19; pl. IV (fig. 40–54).
- 1937b Wilson. *Sarda* sp.; Pacific coast Panama. p. 424.
- 1949 Heegaard. Hist., hosts, distr., syn.; *Coryphaena hippurus*; Pacific Ocean (200 miles south of Panama). *C. aliuncus* new syn. p. 240–244; fig. 6–10.
- 1950 Wilson. Plankton; Easter Is. (Pacific). p. 178.
- 1952 Pearse. *Coryphaena hippurus*; Texas coast. p. 15.
- 1954c Shiino. Comp. *C. coryphaenae* of Yamaguti, 1936 with *C. quadratus*. p. 29.
- 1955a Barnard. Brief descr. ♀ ♂, hosts, distr., key. p. 244–246; fig. 8a–d.
- 1955b Barnard. Key; shark; Table Bay (South Africa). p. 8, 99.
- 1956 Fukui. List. p. 47.
- 1957 Fukui. List. p. 56.
- 1959 Capart. Syn.; *Coryphaena hippurus*; Southwest Africa (3°S, 10°E). *C. aliuncus* syn.; *C. coryphaenae* of Brian, 1935 nec *C. coryphaenae* St. and Lütk.; *C. coryphaenae* of Yamaguti, 1936 syn. of *C. productus* Dana, 1854; *C. bengoensis* Scott, 1894 nec syn. of *C. coryphaenae*. p. 59, 61, 81, 84.
- 1959b Shiino. Hist., descr. ♀ ♂, hosts, distr., syn.; *Katsuwonus pelamis*, *Coryphaena hippurus*; Japan; *Euthynnus lineatus*, *Katsuwonus* sp., *Coryphaena hippurus*; Pacific coast of Mexico and Central America: *Neothunnus albacora*; Indian Ocean. *C. aliuncus*, ? *C. elongatus* Heegaard, 1943, *C. tesseriifer* considered as syn.; no commitment re syn. of *C. bengoensis* and *C. scutatus*; *C. coryphaenae* of Yamaguti, 1936 syn. of *C. quadratus*. p. 1–8, 22–25; fig. 1A–J, 2A–I.
- 1959d Shiino. Descr. juv. questionably assigned to this species; *Polydactylus opercularis*; Pacific coast of Mexico (21°26'N, 106°06'W). p. 267, 294–297; fig. 12A–K.
- 1959e Shiino. *Isurus glaucus*; *Thunnus thynnus*; *Euthynnus yaito*; Mie Prefecture (Japan). p. 334. Dep. Mie Prefectural U., Tsu, Japan.
- 1960a Shiino. *Coryphaena hippurus*; Shima (Japan). p. 471–472.
- 1961 Kurian. Descr. ♀ ♂; *Euthynnus affinis*, *Katsuwonus pelamis*; Kerala (India). Comp. with *C. euthynus* and *C. tesseriifer*. p. 66–67, 68–70; fig. 16–24.
- 1962 Heegaard. Comp. with *C. alveolaris* p. 157.
- 1962a Nunes-Ruivo. *Parathunnus obesus*; Angola. p. 69, 70–71.
- 1962b Nunes-Ruivo. List. p. 4, 16.
- 1963 Ho. Descr. ♀ ♂, hosts, distr.; *Coryphaena hippurus*; Formosa. p. 82–84, 96; fig. 4, 5.
- 1963a Pillai. Descr. ♀ ♂, hosts, distr., syn. Comp. with *C. euthynus*. *C. thynni*, *C. aliuncus*, *C. elongatus* Heegaard, 1943, *C. tesseriifer* considered as syn.; no commitment re syn. of *C. bengoensis* and *C. scutatus*; *C. coryphaenae* of Brian, 1935 and Barnard, 1955 probable syns.

- of *C. euthynus*; *C. coryphaenae* of Yamaguti, 1936 syn. of *C. quadratus*. p. 513-522; fig. 1A-J.
- 1963 Shiino. *Coryphaena hippurus*; Hawaii and Ecuador. p. 336-337; fig. 1.
- 1963 Yamaguti. Hosts, distr. p. 49, 51, 59; pl. 59(fig. 3a-c).
- 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr.; *Katsuwonus pelamis*, Carangidae sp.; Ceylon. p. 50-52, 127; fig. 10-21.
- 1965 Kabata. Ment. p. 109.
- 1965a Shiino. *Thunnus obesus*, *Echeneis* sp., *Acanthocybium solanderi*; eastern equatorial Pacific Ocean. p. 418.
- 1965d Shiino. Descr. ♀ ♂, hosts, distr. p. 497; unnumbered figure.
- 1966 Kabata and Gusev. Hosts, distr.; *Sphaeroides inermis*; Volcano Islands (northwestern Pacific Ocean). *C. coryphaenae* of Yamaguti, 1936 syn. of *C. quadratus*. p. 156, 157, 159-161, 167.
- 1967 Lewis. Descr. ♀ ♂, hosts, distr., syn.; *Katsuwonus pelamis*, *Euthynnus yaito*, *Coryphaena hippurus*, plankton; Hawaii. *C. bengoensis*, *C. aliuncus*, *C. elongatus* Heegaard, 1943, *C. tesseriifer* considered as syns.; *C. scutatus* possible syn.; *C. coryphaenae* of Brian, 1935, Yamaguti, 1936, Barnard, 1955 not identical with *C. coryphaenae* St. and Lütke. p. 1, 91, 101-109, 130, 190, 191, 192; fig. 37a-i, 38a-f, 39a-f.
- 1967 Pillai. Brief descr., hosts, distr. p. 1574, 1672; fig. 28.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr., syn.; *C. bengoensis*, *C. aliuncus*, *C. tesseriifer* regarded as syns.; *C. scutatus*, *C. elongatus* Heegaard, 1943 possible syns. p. 877, 884-886, 897, 903, 945-946, 947, 957, 965, 992; fig. 3(1-14).
- 1968 Lewis. *Euthynnus yaito*, *Sarda orientalis*, *Grammatorcynus bilineatus*, *Caranx melampygus*?, *Katsuwonus pelamis*; Eniwetok Atoll (South Pacific). Comp. with *C. laticaudus*. p. 50, 71.
- 1968b Parker. List. p. 363.
- 1969 Lewis. Ment. p. 65.
- 1969 Lewis et al. *Neothunnus macropterus*, *Parathunnus sibi*, *Katsuwonus pelamis*, *Coryphaena hippurus*, *Elagatis bipinnulatus*; Indian Ocean. p. 422, 423.
- 1971 Kabata and Hewitt. Ment. p. 1150.
- 1971 Pillai. Comp. with *C. infestans*. p. 160.
- 1972 Heegaard. Free swimming; North Atlantic, East China Sea, South China Sea, Indian Ocean, Sea of Java. p. 295-296.
- C. cossackii* Bassett-Smith, 1898**
- 1898b Bassett-Smith. N. sp. Descr. ♀ ♂; *Chrysophorys sarba*; Persian Gulf and Colombo (Ceylon). p. 85-86; pl. IV(fig. 3-3f). Types dep. Br. Mus. (Nat. Hist.).
- 1899 Bassett-Smith. List. p. 451.
- 1905 Wilson. Key. p. 560.
- 1943b Heegaard. Descr. ♀; *Sparus berda*; Madagascar. p. 1, 5-8, 35; fig. 12A-C.
- 1947 Gurney. Ment. p. 494.
- 1947 Heegaard. Ment. p. 77, 85, 205.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25.
- 1954c Shiino. Comp. with *C. quadratus*. p. 29.
- 1954h Shiino. Comp. with *C. fulvipurpureus*. p. 152-153.
- 1955a Barnard. Brief descr. ♀ ♂, hosts, distr., key. p. 244, 248; fig. 8e-f.
- 1955b Barnard. Key. p. 100.
- 1957 Shen. Comp. with *C. brevisoris*. p. 357, 371.
- 1959 Rangnekar, P. G., and Murti. Descr. ♀ ♂, hosts, distr.; *Scomberoides tala*; Bombay (India). p. 78-81; fig. a-n.
- 1963b Pillai. *C. cossackii* of Rangnekar and Murti, 1959 syn. of *C. epinepheli*. p. 75, 76.
- 1963 Yamaguti. Hosts, distr. p. 51.
- 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr. *C. indicus* new syn.; *C. cossackii* of Rangnekar and Murti, 1959 syn. of *C. epinepheli*. p. 57, 127.
- 1965 Kabata. *C. cossackii* of Rangnekar and Murti, 1959 syn. of *C. epinepheli*. p. 112.
- 1967 Pillai. Brief descr., hosts, distr. p. 1590, 1594-95, 1670, 1674; fig. 81.
- 1967 Silas and Ummerkutty. Ment. p. 892.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- 1968b Parker. List. p. 365.
- C. costatus* Shen and Li, 1959**
- 1959 Shen and Li. N. sp. Descr. ♀; free swimming; Tsingtao Harbor (China). p. 17-18; pl. II(fig. 17-29). Dep. type material unknown.
- 1963 Yamaguti. List. p. 51; pl. 55(fig. 4a-d).
- C. crassus* Abildgaard, 1794**
- 1794 Abildgaard. N. sp. Descr. ♀; shark; Helgoland. p. 49-51, 54; pl. V(fig. 1-3). Dep. type material unknown.

- 1837 Krøyer. Syn. of *Anthosoma smithii*. p. 295.
 1861 Steenstrup and Lütken. Syn. of *Anthosoma crassum*. p. 397.
 1873 Verrill. Syn. of *A. crassum*. p. 577.
 1874 Verrill and Smith. Identical with Verrill (1873). p. 283.
 1880 Valle. Syn. of *A. crassum*. p. 62, 64.
 1890 Thomson, G. M. Syn. of *A. crassum*. p. 365.
 1899 Bassett-Smith. Syn. of *A. crassum*. p. 468.
 1905 Rathbun. Syn. of *A. crassum*. p. 97.
 1905b Scott, T. Syn. of *A. crassum*. p. 112.
 1905 Wilson. Syn. of *A. crassum*. p. 555.
 1906 Brian. Syn. of *A. crassum*. p. 62.
 1906 Norman and T. Scott. Syn. of *A. crassum*. p. 214.
 1913 Scott, T., and A. Scott. Syn. of *A. crassum*. p. 108.
 1922a Wilson. Syn. of *A. crassum*. p. 2, 22, 23.
 1944 Brian. Syn. of *A. crassum*. p. 208.
 1956 Markevich. Syn. of *A. crassum*. p. 159.
 1962 Heegaard. Syn. of *A. crassum*. p. 181.
 1963 Yamaguti. List. Syn. of *A. crassum*. p. 51, 144.
 1966a Lewis. Syn. of *A. crassum*. p. 66.
 1968 Hewitt. Syn. of *A. crassum*. p. 23.
 1968b Parker. List. p. 362.

***C. cristata* Gould, 1841**

- 1841 Gould. Nom. prov. Brief descr.; *Lamna punctata*; Massachusetts (USA). p. 340-341. Dep. type material unknown.
 1844 De Kay. List. as *C. cristatus*. p. 58.
 1968b Parker. List. under "nomina nuda or species inquirenda." p. 364.

***C. cunicephalus* Gnanamuthu, 1950**

- 1950b Gnanamuthu. N. sp. Descr. ♀ ♂; *Trichurus haunela*; Madras (India). p. 113-114; fig. 1-16. Holotype ♀, allotype ♂ dep. Indian Mus. Zool. Survey India, Calcutta.
 1959 Shen and Li. Comp. with *C. undulatus*. p. 17.
 1963b Pillai. Descr. ♀ ♂; *Trichiurus savala*; Trivandrum (India). p. 77-79; fig. 7A-M.
 1963 Yamaguti. List. p. 51; pl. 58(fig. 2a-g).
 1967 Pillai. Brief descr., host, distr. *C. cunicephalus* of Pillai, 1963 not identical with *C. cunicephalus* Gnanamuthu. p. 1583, 1591, 1675; fig. 73.

- 1968a Pillai. *C. cunicephalus* of Pillai, 1963 syn. of *C. longicervicis*. p. 125-126.

***C. cybii* Bassett-Smith, 1898**

- 1898a Bassett-Smith. N. sp. Descr. ♀; *Cybium lineolatum*; Bombay (India). p. 6, 16; pl. II(fig. 3). Type dep. Br. Mus. (Nat. Hist.).
 1899 Bassett-Smith. List. p. 452.
 1905 Wilson. Key. p. 558, 560.
 1941 Capart. Comp. with *C. hemiconiati*. p. 175.
 1950b Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 24-25.
 1963 Yamaguti. List. p. 51.
 1964 Kirtisinghe. Descr. ♀ ♂, hosts, distr.; *Cybium commersoni*; Ceylon. *C. brevissoris* of Pillai, 1961 new syn. p. 58, 127.
 1967 Pillai. Brief descr., hosts, distr. p. 1578, 1671, 1672; fig. 38.
 1967 Silas and Ummerkutty. List. p. 877, 886, 903, 947.
 1968b Parker. List. p. 365.
 1971 Pillai. Descr. ♀ from Bassett-Smith's (1898a) collection. p. 156-158; fig. 35-47. Dep. Br. Mus. (Nat. Hist.), syntypes No. 98.4.20.3.

***C. dakari* van Beneden, 1892**

- 1892 van Beneden. N. sp. Descr. ♀; host unknown; Bay of Dakar (West Africa). p. 243-245, 261; pl. I(fig. 1-4). Types dep. at Louvain, Belgium destroyed during World War II.
 1899 Bassett-Smith. List. p. 450.
 1903 Thompson, I. C., and A. Scott. *Arius venosus*; Ceylon. p. 293, 294.
 1905 Wilson. Key. p. 561.
 1924 Brian. Possible syn. of *C. mauritanicus*. p. 380, 382.
 1953 Capart. Ment. p. 653.
 1959 Capart. Ment. p. 85.
 1963 Yamaguti. List. p. 51.
 1964 Kirtisinghe. Descr. ♀ ♂, hosts, distr.; *Arius* sp.; Colombo (Ceylon). *C. arii* of Barnard, 1955 new syn. p. 60, 126; fig. 36, 37.
 1967 Pillai. Hosts, distr. Comp. with *C. arii*. p. 1586, 1670; fig. 61.
 1968b Parker. List. p. 364.

C. dasyaticus Rangnekar, 1957

- 1957 Rangnekar, M. P. N. sp. Descr. ♀; *Dasyaticus uarnac*; Bombay (India). p. 16-18; fig. 1a-m. Dep. type material unknown.
- 1960a Shiino. Descr. ♀ ♂; *Dasyatis akajei*; Japan. p. 473-476; fig. 2A-L.
- 1963 Yamaguti. Hosts, distr. p. 52.
- 1967 Kabata. Descr. ♂, hosts, distr.; *Amphotistiis kuhlii*; Queensland (Australia). p. 563-565, 570; fig. 1A-E.
- 1967 Pillai. Brief descr., hosts, distr. p. 1581, 1583, 1671, 1673; fig. 49.
- 1968 Kabata. Comp with *C. novocaledonicus*. p. 3.
- 1968b Pillai. Descr. ♀ ♂; *Pristis* sp.; Trivandrum (South India). p. 9-11, 35; fig. 1A-K.

C. debueni Stuardo and Fagetti, 1960

- 1960 Stuardo and Fagetti. N. sp. Brief descr. ♀ ♂; *Merluccius gayi gayi*; Valparaiso Bay (Chile). p. 197-200. Dep. types (see Stuardo and Fagetti, 1961).
- 1961 Fagetti and Stuardo. Ment. p. 5.
- 1961 Stuardo and Fagetti. Descr. (designated n. sp.) ♀ ♂. p. 56, 60-65, 77, 80; pl. I (fig. 1-4), II (fig. 1-8). Types dep. Mus. Zool. Comp. Estación Biol. Marina, Concepción, Chile; "holotype" ♂ ♀ No. 3004, paratypes No. 3004a.
- 1963 Yamaguti. List. p. 52.
- 1968b Parker. Ment. p. 362.

C. deformis Brian, 1924

- 1924 Brian. N. sp. Descr. ♀; *Cantharus lineatus*; Mauritania. p. 378, 422, 427; fig. 13, 14. Holotype dep. Mus. Natl. Hist. Nat., Paris.
- 1927 Gurney. Plankton; Port Taufig (Red Sea). p. 482; fig. 121A, B.
- 1963 Yamaguti. List. p. 52.

C. dentatus Gadd, 1906

- 1906 Gadd. N. sp. Descr. ♀ ♂; *Cyprinus carpio*; Caspian Sea. p. 1-9; fig. 1-9. Dep. type material unknown.
- 1908 Meisner. Vicinity of Volga Biological Station. p. 50.

- 1910 Gadd. Ment. p. 2.
- 1933 Markevich. Syn. of *C. lacustris*. p. 10, 12.
- 1937 Markevich. Syn. of *C. lacustris*. p. 38, 52, 83, 161, 192.
- 1938 Dogiel and Bykhovskiy. Syn. of *C. lacustris*. p. 108.
- 1939 Redeke. Does not accept as syn. of *C. lacustris*. p. 200-201.
- 1949 Shen. Comp. with *C. fronsuganinus*. p. 140.
- 1954 Kaj. Questions syn. of *C. dentatus* with *C. lacustris*. p. 45.
- 1954g Shiino. Comp with *C. triangularis*. p. 148-149.
- 1956 Markevich. Hist. Syn. of *C. lacustris*. p. 7, 8, 113-114.
- 1957 Kozikowska. Syn. of *C. lacustris*. p. 237, 248.
- 1963 Yamaguti. Syn. of *C. lacustris*. p. 52.
- 1964 Heegaard. Ment. p. 320.
- 1967 Grabda, J. Syn. of *C. lacustris*. p. 10.
- 1967 Silas and Ummerkutty. Ment. p. 969.
- 1971 Grabda, J. Syn. of *C. lacustris*. p. 115.

C. dentatus Heegaard, 1962

- 1962 Heegaard. N. sp. Descr. ♀; *Scomberomorus niphonius*; Torres Strait (Australia). p. 160, 197; fig. 62-67. Holotype dep. Australian Mus., Sydney.
- 1964 Heegaard. Renamed as *C. microdontus*. p. 319-320.
- 1967 Lewis. Comp. with *C. productus*. p. 124.
- 1967 Silas and Ummerkutty. Syn. of *C. microdontus*. Comp. with *C. proboscoidatus*. p. 957, 969, 973.

C. diaphanus Nordmann, 1832

- 1832 Nordmann. N. sp. Descr. ♀ ♂; *Trigla hirundo*; locality unknown. p. 26-28, 29, 31; figures were not published. Types dep. Zool. Mus. Humboldt U., Berlin, No. 938.
- 1835 Burmeister. List. p. 331.
- 1837 Krøyer. Descr. ♀; *Trigla gurnardus*; northern Kattegat (Denmark). p. 201, 612, 623-625, 628; pl. VI (fig. 5a-h).
- 1838 Krøyer. Descr. ♂; host unknown; northern Kattegat (Denmark). p. 15-19, 152, 156; pl. I (fig. 3-3d).
- 1838-40 Krøyer. List. p. 100.
- 1840 Edwards. Brief descr., key. p. 452.

- 1843 Rathke. *Trigla gurnardus*; Norway (North Sea). p. 102.
- 1847 Erichson. List. p. 210.
- 1847 Thompson, W. *Trigla hirundo*, *Trigla pini*, *Pagellus centrodonatus*, *Scomber scombrus*, *Caranx trachurus*, *Merlangus carbonarius*, *Merluccius vulgaris*, *Lota molva*, *Platessa vulgaris*, *Pleuronectes maximus*; Belfast (Ireland). p. 247, 249.
- 1850 Baird. Descr. ♂ based on W. Thompson's (1847) collections. p. 269–270, 278; pl. XXXII(fig. 1).
- 1850 White. List. p. 119.
- 1855 Gosse. List. p. 125; fig. 209.
- 1856 Thompson, W. Identical with W. Thompson (1847). p. 409.
- 1857 White. List. p. 313.
- 1861 van Beneden. *Trigla* sp.; Belgium. p. 148.
- 1861 Steenstrup and Lütken. *C. diaphanus* of Baird, 1850 tentative syn. of *C. curtus*. p. 353. Ment. p. 359.
- 1863–64 Krøyer. Descr. ♀; *Trigla gurnardus*, *Trigla hirundo*; Denmark. p. 153–155, 160, 177–178, 415; pl. VII(fig. 5a–e).
- 1864 Nordmann. Ment. p. 463.
- 1865 Heller. Comp. with *C. vexator*. p. 166.
- 1866 Heller. Descr.; *Trigla lineata*, *Trigla corax*; Adriatic Sea. p. 751, 752.
- 1866–79 Gerstaecker. List. p. 763, 764, 767, 768, 770, 773, 802.
- 1868 Chernyavsky. Ment. p. 56.
- 1869 Olsson. Brief descr. ♀; *Trigla gurnardus*; Skagerrack Sea. p. 10.
- 1871 van Beneden. *Trigla gurnardus*, *Trigla hirundo*; Belgium. p. 30, 31.
- 1880 Richiardi. *Pagellus mormyrus*, *Pagellus erythrinus*, *Trigla cuculus*, *Trigla corax*, *Trigla milvus*, *Trigla lineata*, *Platessa passer*; Italy. p. 148.
- 1880 Stossich. List. p. 255.
- 1880 Valle. *Trigla lineata*, *Trigla corax*, *Trigla aspera*, *Trigla lyra*; Adriatic Sea. p. 58, 86.
- 1885 Carus. Brief descr., hosts, distr. p. 357.
- 1890 Malard. List. p. 78, 79.
- 1891 Scott, T. List. p. 304–305.
- 1896a Bassett-Smith. Ment. Comp. with *C. scomberi*. p. 9, 11.
- 1896b Bassett-Smith. *Trigla hirundo*, *Trigla cuculus*; Plymouth (England). p. 156.
- 1897 Scott, T. Coalfish [*Gadus virens*]; Loch Fyne (Scotland). p. 155.
- 1899 Bassett-Smith. List. Not *C. diaphanus* of Edwards, 1840, or Baird, 1850. p. 447, 452.
- 1899c Brian. Hosts, distr.; *Trigla corax*; Elba Is. (Italy). p. 2, 10.
- 1900 Brian. Identical with Brian (1899c). p. 198, 206.
- 1900 Graeffe. List. p. 43.
- 1900 Scott, T. Descr. ♀ ♂, syn.; *Trigla gurnardus*, *Trigla hirundo*, *Trigla lineata*; Scottish waters. *C. isonyx* of Scott, 1891 new syn. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 148, 149–150; pl. V(fig. 20–25).
- 1900 Thompson, I. C., and A. Scott. Cod [*Gadus morhua*]; Liverpool Bay (England). p. 143.
- 1901a Scott, T. List. p. 356.
- 1901b Scott, T. Comp. with *C. scomberi* (for *C. scomberi* Bassett-Smith). p. 124.
- 1902 Scott, T. Ment. p. 291.
- 1903 Brian. *Pagellus acarne*, *Pagellus mormyrus*; Elba Is. (Italy). p. 7.
- 1903 Thompson, I. C., and A. Scott. *Therapon puta*; Ceylon. p. 293.
- 1904 Scott, A. Common gurnard [*Trigla gurnardus*] and yellow gurnard [*Trigla hirundo*]; Irish Sea. p. 118.
- 1905 Norman. List. p. 41.
- 1905 Pearson. List. *C. diaphanus* of Baird, 1840 [sic] syn. of *C. curtus*. p. 24, 25.
- 1905b Scott, T. Comp. with *Lepeophtheirus sturionis* Krøyer. p. 110.
- 1905 Wilson. Ment., key. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 496, 497, 555, 556, 560, 564, 578.
- 1906 Brian. Hosts, distr.; *Trigla lineata*, *Pagellus mormyrus*, *Trigla corax*; Elba Is. and Naples (Italy). *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 35, 43–44, 125, 126, 128, 130, 178–181.
- 1906 Norman and T. Scott. List. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 205, 206.
- 1906 Scott, T. *Trigla gurnardus*; River Forth estuary (Scotland). *C. isonyx* of Scott, 1891 syn. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 366, 367.
- 1913 Guiart. *Belone vulgaris*; Concarneau (France.) p. 6.
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂, hosts, distr. Comp. with *C. labracis*. *C. isonyx* of Scott, 1891 syn. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 30, 45, 53, 60–61; pl. XVII(fig. 1), XVIII(fig. 6, 7), XLVIII(fig. 7).
- 1913 Stephensen. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 345.

- 1922b Wilson. *Trigla corax*; St. Vaast de la Hougue (France). p. 106.
- 1923 Monod. *Pagellus mormyrus*; Monaco. p. 3.
- 1924 Brian. *Trigla lineata*, *Trigla lucerna*, *Solea vulgaris*; Mauritania. *C. torpedinis* possible syn. p. 376-377, 424, 427.
- 1926 Leigh-Sharpe. List. p. 384.
- 1927 Cuénot. *Trigla lucerna*; Arcachon (France). p. 288.
- 1928b Wilson. Comp. with *C. lunatus*. p. 6-7.
- 1929 Brian. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 3.
- 1929 Scott, A. Hosts in Irish Sea. p. 88-89.
- 1933a Leigh-Sharpe. List. p. 112.
- 1934 Gurney. Ment. p. 178, 191; fig. 17.
- 1935 Brian. Descr. ♀, hosts, distr. p. 152, 153, 176-179, 191, 207; fig. X(1-8).
- 1935 Schuurmans Stekhoven. *Trigla gurnardus*; Belgian coast. p. 4.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, hosts, distr. Comp. with *C. centrodoni*, *C. gurnardi*, *C. brevicaudatus*, *C. pelamydis*, *C. zeii*, and *C. labracis*. p. 133, 134, 190, 191; fig. 97.
- 1936 Schuurmans Stekhoven. Plankton; Belgian coast. p. 7.
- 1937b Wilson. *Caranx hippos*; Panama Bay (Pacific coast of Panama). p. 424.
- 1939 Yamaguti. Comp. with *C. tanago*. p. 448-449.
- 1940 Stephensen. List. p. 20.
- 1941 Capart. Comp. with *C. pagri*. p. 179.
- 1945 Heegaard. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 5.
- 1947 Heegaard. L.h.; *Trigla gurnardus*; Gullmar Fiord (Sweden). *Caligus diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 31, 34, 51, 73, 101-103, 232; pl. VII(fig. 50-54).
- 1950a Delamare Deboutteville. *Trigla lucerna*; Banyuls (Mediterranean coast of France). p. 305.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25.
- 1953 Dollfus. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 328.
- 1954 Schäperclaus. List. p. 212.
- 1956 Markevich. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 120.
- 1957 Shen. Comp. with *C. brevisoris*. p. 357, 371.
- 1958 Delamare Deboutteville and Nunes-Ruivo. *Trigla lineata*, *Trigla lucerna*; Banyuls (Mediterranean coast of France). Comp. with *C. pagelli*. p. 220-223; fig. 4a-f.
- 1959 Ronald. List. p. 19, 40, 55.
- 1960 Krishnaswamy. Physiol. p. 689-691.
- 1961 Vaissière. Anat. of eye; *Trigla corax*; Algeria. p. 7, 72, 73, 113; fig. 29.
- 1962 Bresciani and Lützen. List. p. 405.
- 1963 Yamaguti. Hosts, distr. p. 48, 52; pl. 61(fig. 1a-c).
- 1964 Kirtisinghe. Descr. ♀ ♂, hosts, distr.; *Lates calcarifer*; Colombo (Ceylon). *C. multispinosus* of Pillai, 1961 new syn.; *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 56-57, 62, 126, 127; fig. 31.
- 1965 Parker. Ment. p. 94, 102.
- 1967 Pillai. Brief descr., hosts, distr. Does not accept *C. multispinosus* of Pillai, 1961 as syn. of *C. diaphanus*. p. 1585, 1586, 1671, 1672; fig. 60.
- 1968b Parker. List. p. 365.
- 1968 Parker et al. Ment. *C. diaphanus* of Baird, 1850 syn. of *C. curtus*. p. 1923, 1924, 1942.
- 1969 Hamond. *Trigla gurnardus*; North Sea. p. 229.
- 1969 Parker. Ment. Comp. with *C. elongatus*. p. 1020, 1032.
- 1971 Kabata and Hewitt. Ment. p. 1143.

C. dieuzeidei Brian, 1932

- 1932 Brian. N. sp. Descr. ♀ ♂; *Diplodus sagus*; Castiglione (Algeria). p. 47-57; fig. 1-16. Dep. type material unknown.
- 1935 Brian. Descr. ♀ ♂. p. 152, 153, 173-176, 207; fig. IX(1-14).
- 1954f Shiino. Descr. ♀ ♂; *Sparus macrocephalus*; Momotori (Mie Prefecture, Japan). p. 268-272; fig. 1A-H, 2A-I.
- 1959e Shiino. *Teuthis fuscescens*; Toba (Mie Prefecture, Japan). p. 336.
- 1963 Yamaguti. Hosts, distr. p. 52.

C. djedabae Rangnekar, 1956

- 1956 Rangnekar, M. P. N. sp. Descr. ♀; *Atule djedaba*; Bombay (India). p. 42-45; fig. a-k. Dep. type material unknown.
- 1961 Pillai. *Selar kalla*; Trivandrum (India). Possible syn. of *C. bicycletus*. p. 96; fig. 5A-6M.

- 1963 Yamaguti. List. p. 52; pl. 64(fig. 4).
 1967 Pillai. Brief descr., host, distr. p. 1585,
 1674; fig. 56.

***C. dubius* Scott, 1894**

- 1894 Scott, T. N. sp. Descr. ♀; plankton;
 Loanda Harbour (Gulf of Guinea).
 p. 130; pl. XIV(fig. 22). Dep. type
 material unknown.
 1899 Bassett-Smith. List. p. 450.
 1905 Wilson. Ment., key. p. 496, 557, 558.
 1934b Leigh-Sharpe. Descr. ♀ ♂; host and
 locality unknown. p. 19-21, 26;
 fig. 17, 18.
 1936 Leigh-Sharpe. Comp. with *C. rabidus*.
 p. 413.
 1948 Gnanamuthu. Comp. with *C. savala*.
 p. 595.
 1963 Yamaguti. List. p. 52.
 1968b Parker. List. p. 365.

***C. dussumieri* Rangnekar, 1957**

- 1957 Rangnekar, M. P. N. sp. Descr. ♀;
Dussumieria acuta; Bombay (India).
 p. 18-20; fig. 2a-j. Dep. type material
 unknown.
 1963 Yamaguti. List. p. 52.
 1964 Kirtisinghe. Comp. with *C. clavatus*.
 p. 64.
 1968b Pillai. Syn. of *Pseudopetalus dussumieri*
 (Rangnekar, 1957) n. comb. p. 13.

***C. elegans* van Beneden, 1851**

- 1851a van Beneden. N. sp. Descr. ♀ ♂; *Gadus*
morrhua; Belgium. *C. curtus* of Krøyer
 (1837, 1838) syn. p. 88, 91-93, 128.
 Dep. type material unknown.
 1851b van Beneden. List. p. 290.
 1861 van Beneden. List. p. 147.
 1861 Steenstrup and Lütken. Syn. of *C.*
curtus. p. 353.
 1866-79 Gerstaecker. List. p. 762, 802.
 1869 Olsson. Syn. of *C. curtus*. p. 6.
 1871 van Beneden. List. p. 56, 91; pl.
 I(fig. 2).
 1876 van Beneden. Unnumbered fig. p. 73.
 1890 Malard. List. p. 89.
 1896b Bassett-Smith. *Gadus morrhua*; Plym-
 outh (England). p. 156.
 1896 Olsson. Syn. of *C. curtus*. p. 502.

- 1899 Bassett-Smith. Questionable syn. of
C. curtus. p. 447.
 1905 Norman. List. p. 41.
 1905 Pearson. Questionable syn. of *C. curtus*.
 p. 24.
 1905 Wilson. Syn. of *C. curtus*. p. 555, 578.
 1906 Brian. Ment. Questionable syn. of
C. curtus. p. 35, 36.
 1953 Dollfus. Syn. of *C. curtus*. p. 328, 330.
 1956 Markevich. Syn. of *C. curtus*. p. 120.
 1963 Yamaguti. List. Questionable syn. of
C. curtus. p. 48, 52.
 1968b Parker. List. p. 363.
 1968 Parker et al. Syn. of *C. curtus*. p. 1923,
 1925, 1929.

***C. eleutheronemi* Shen, 1957**

- 1957 Shen. N. sp. Descr. ♀; *Eleutheronemus*
tetradactylum; Kwanghai (Kwangtung
 Province, China). p. 351, 358-359, 369,
 372; pl. VI(fig. 74-85). [Note: captions
 to pl. III and VI have been interchanged.]
 Dep. type material unknown.
 1963 Yamaguti. List. p. 52. Yamaguti's pl.
 61(fig. 2) reportedly *C. eleutheronemi* is
 actually *C. multispinosus*.
 1967 Pillai. Ment. p. 1585.

***C. elongatus* Nordmann, 1832**

- 1832 Nordmann. N. sp. Descr. ♀; host
 unknown; probably southern seas. p. 23,
 24-25, 29; plate containing figures was
 not published. Types dep. Zool. Mus.
 Humboldt U., Berlin.
 1835 Burmeister. List. p. 331.
 1837 Krøyer. List. p. 201.
 1840 Edwards. Key. p. 454.
 1843 Rathke. Ment. p. 102.
 1854 Cuvier. Ment. p. 447, footnote.
 1861 Steenstrup and Lütken. Questionable
 syn. of *C. rapax*. p. 359.
 1863 Krøyer. Does not accept as syn. of
C. rapax. p. 147.
 1899 Bassett-Smith. Syn. of *C. rapax*. p. 448.
 1904 Gadd. Questionable syn. of *C. rapax*.
 p. 17.
 1905 Pearson. Syn. of *C. rapax*. p. 24.
 1905 Wilson. Syn. of *C. rapax*. p. 555, 568.
 1908b Brian. Syn. of *C. rapax*. p. 97.
 1912 Brian. Syn. of *C. rapax*. p. 5.
 1913 Scott, T., and A. Scott. Syn. of *C. rapax*.
 p. 48.
 1935 Brian. Syn. of *C. rapax*. p. 153.

- 1946 Dollfus. Syn. of *C. rapax*. p. 72.
 1947 Heegaard. Ment. Syn. of *C. rapax*. p. 74, 96.
 1953 Dollfus. Syn. of *C. rapax*. p. 332.
 1956 Markevich. Syn. of *C. rapax*. p. 126.
 1962 Heegaard. Syn. of *C. rapax*. p. 156.
 1963 Yamaguti. List. p. 52.
 1967 Parker and Margolis. Do not accept as syn. of *C. rapax*. p. 93-96.
 1967 Silas and Ummerkutty. Syn. of *C. rapax*. p. 898.
 1968b Parker. List. p. 365.
 1969 Parker. Hist., descr. ♀ ♂, hosts, distr., syn. *C. kroyerii*, *C. rissoanus*, *C. rapax* of Baird, 1850 (*partim*), of St. and Lütke., 1861 and later authors, *C. lumpi*, *C. gurnardi* Krøyer (*partim*), *C. trachypteri*, *C. latifrons*, *C. rabidus*, *C. arcticus* new syns. p. 1013-1035; fig. 1-22.
 1970 Dollfus. *Gadus callarias*; Hebrides Is. (59°N, 7°W). p. 47.
 1971 Dollfus. Identical with Dollfus (1970). p. 47.
 1971b Hewitt. *Eubalichthys moaicus*; New South Wales (Australia). p. 145, 163; fig. 73-78.

C. elongatus Heegaard, 1943

- 1943b Heegaard. N. sp. Descr. ♀ ♂; host unknown; ? eastern Atlantic. p. 1, 11-14; fig. 21-31. Types dep. Riksmus., Stockholm.
 1955a Barnard. Key. p. 244, 245.
 1955b Barnard. Key. p. 99.
 1959b Shiino. Questionable syn. of *C. coryphaena*. p. 2, 25, 32.
 1959d Shiino. Comp. with *C. coryphaena* (?) juv. Questionable syn. of *C. coryphaena*. p. 297.
 1963 Ho. Syn. of *C. coryphaena*. p. 82.
 1963a Pillai. Syn. of *C. coryphaena*. p. 513, 514, 516, 518, 522.
 1963 Yamaguti. Homonym of "*C. elongatus* Edwards, 1840 (? Nordmann, 1832)." p. 52.
 1964 Kirtisinghe. Syn. of *C. coryphaena*. p. 51.
 1966 Kabata and Gusev. Syn. of *C. coryphaena*. p. 159.
 1967 Lewis. Syn. of *C. coryphaena*. p. 101.
 1967 Silas and Ummerkutty. Syn. of *C. coryphaena*. p. 884.
 1969 Parker. Not identical with *C. elongatus* Nordmann, 1832. p. 1026.

C. engraulidis Barnard, 1948

- 1948 Barnard. N. sp. Descr. ♀; *Engraulis* (*Anchoviella*) *holodon*; Algoa Bay (South Africa). p. 244-245; fig. 3. Dep. type material unknown.
 1955a Barnard. Descr. ♀. p. 245, 249; fig. 10c, d.
 1955b Barnard. Key. p. 100.
 1957 Barnard. Comp. with *C. hottentotus*. p. 11.
 1963 Yamaguti. List. p. 52; pl. 63(fig. 1a-c).

C. enormis Wilson, 1913

- 1913 Wilson. N. sp. Descr. ♀ ♂; *Sparisoma viride*; Jamaica. p. 216-219, 274; pl. 31(fig. 116-126). Types dep. USNM; holotype ♀ No. 43593, paratypes No. 42263.
 1949 Thomsen. Placed in *Metacaligus* n. subg. p. 6, 7.
 1963 Yamaguti. List. p. 52; pl. 62(fig. 1a, b).
 1967 Lewis. Ment. p. 91.

C. epidemicus Hewitt, 1971

- 1971b Hewitt. Descr. ♀ ♂, l.h.; *Mylio butcheri*, *Mugil cephalus*, *Alorichetta forsteri*, *Liza argentea*, *Myxus elongans*; lower Mitchell R. (Australia). p. 145-163; fig. 1-72. Types dep. Australian Mus., Sydney; [holo] type No. P17622, paratypes No. P17623.

C. epinepheli Yamaguti, 1936

- 1936 Yamaguti. N. sp. Descr. ♀; *Epinephelus septemfasciatus*; Kuki (Mie Prefecture, Japan); *Epinephelus akaara*; Tarumi (Inland Sea, Japan). p. 4-5, 8, 18-19; pl. III(fig. 27-39). Dep. type material unknown.
 1939 Yamaguti. Comp. with *C. pagrosomi*. p. 445.
 1952 Shiino. Descr. ♀ ♂; *Sparus macrocephalus*; Momotori (Mie Prefecture, Japan). p. 79-84; fig. 1A-E, 2A-I.
 1954b Shiino. Ment. p. 21.
 1954f Shiino. Ment. p. 268.
 1956 Fukui. List. p. 47.
 1957 Fukui. List. p. 57.
 1959 Yamaguti and Yamasu. Comp. with *C. fugu*. p. 116.

- 1961 Kurian. Comp. with *C. affinis*. p. 72.
 1963b Pillai. Comp. with descriptions of Yamaguti (1936) and Shiino (1952); *Chorinemus tala*; Trivandrum (India). *Caligus cossacki* of Rangnekar and Murti, 1959 new syn. p. 75-76, 89; fig. 5A-Q.
 1963 Yamaguti. Hosts in Japan. p. 53; pl. 69(fig. 3a-c).
 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr.; *Chorinemus* sp.; Hikkaduwa (Ceylon). p. 57, 127; fig. 32.
 1964a Rangnekar, P. G., and Murti. Descr. ♀; *Drepone punctata*; Bombay (India). Comp. with *C. mutabilis*. p. 87-89; fig. 2a-k.
 1965 Kabata. Hosts, distr.; *Epinephelus merra*; Heron Island (Queensland). p. 109, 112-114, 126; fig. 2C.
 1967 Pillai. Brief descr., hosts, distr., syn. p. 1590, 1671; fig. 69.
 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
 1968 Lewis. Ment. p. 70.
 1968a Pillai. Comp. with *C. annularis*. p. 128.

***C. euthynus* Kurian, 1961**

- 1961 Kurian. N. sp. Descr. ♀ ♂; *Euthynnus affinis*; Kerala (India). p. 63-68; fig. 1-15. Holotype ♀ dep. Indian Mus. Zool. Survey India, Calcutta.
 1963a Pillai. Differentiates from *C. coryphaenae*; *Euthynnus affinis*; Trivandrum (India). p. 513, 519-522; fig. 4A-N.
 1964 Kirtisinghe. Syn. of *C. coryphaenae*. p. 51.
 1967 Pillai. Hosts, distr., syn. Comp. with *C. coryphaenae* St. and Lüttk., *C. alveolaris* Heegaard, 1962, *C. coryphaenae* of Kirtisinghe, 1964 (*partim*) new syns. p. 1574, 1672; fig. 29.
 1967 Silas and Ummerkutty. Descr. host, locality (as *C. euthynnus*). p. 957, 965-966, 992; fig. 44(1-15).

***C. eventilis* Leigh-Sharpe, 1934**

- 1934b Leigh-Sharpe. N. sp. Descr. ♀; unidentified pomacentrid; Anchorage Salomakië Is. (Moluccan Archipelago). p. 21-22; fig. 19. Dep. type material unknown.

- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
 1963 Yamaguti. List. p. 53; pl. 62(fig. 3).

***C. exilis* in Wilson, 1905**

- 1905 Wilson. Ment. p. 514.
 1963 Yamaguti. List. p. 53.

***C. fallax* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr.; *Gadus morrhua*; Hellebaek (Denmark). Possibly teratological specimen. p. 166-169, 182, 421; pl. XVII(fig. 3a-i). Holotype dep. Zool. Mus. U. Copenhagen.
 1866-79 Gerstaecker. List. p. 762, 802.
 1869 Olsson. Key. p. 5, 7.
 1899 Bassett-Smith. List. p. 451. (Krøyer's specimen considered ♀).
 1905 Wilson. Ment., key. p. 496, 556.
 1908a Wilson. Ment. p. 619.
 1953 Dollfus. Considered a teratological specimen of *C. curtus*. p. 327.
 1963 Yamaguti. List. p. 53; pl. 64(fig. 3).
 1968b Parker. List. p. 363.
 1968 Parker et al. Syn. of *C. curtus*. p. 1923.

***C. fissus* Richiardi, 1880**

- 1880 Richiardi. N. sp. No descr.; *Box salpa*; Italy. p. 148. Dep. type material unknown.
 1885 Carus. List. p. 359.
 1898a Brian. Descr. *C. fissus*?; *Box salpa*; Genoa (Italy). p. 209, 224, 226; pl. I(fig. 3).
 1898b Brian. Identical with Brian (1898a). p. 7, 22, 24; pl. I(fig. 3).
 1902 Poche. List. p. 10.
 1905 Wilson. Ment. p. 556.
 1906 Brian. Syn. of *C. ligusticus*. p. 41.
 1963 Yamaguti. List. p. 53.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

***C. fistulariae* Yamaguti, 1936**

- 1936 Yamaguti. N. sp. Descr. ♀; *Fistularia petimba*; Nagasaki (Japan). p. 3-4, 18; pl. II(fig. 14-26). Dep. type material unknown.
 1954i Shiino. Comp. with *C. glandifer*. p. 156.

- 1956 Fukui. List. p. 47.
 1957 Fukui. List. p. 57.
 1959c Shiino. Comp. with *C. klawei*. p. 355, 356.
 1963 Yamaguti. List. p. 53; pl. 69(fig. 1a-d).
 1964 Shiino. Descr. ♀ ♂; *Fistularia villosa*; Ooshima Strait (Japan). p. 243-249, 254; fig. 1A-J, 2A-H.
- C. flexispina* Lewis, 1964**
- 1964 Lewis. N. sp. Descr. ♀ ♂; *Acanthurus triostegus sandvicensis*; Oahu (Hawaii). p. 149-156; fig. 4a-o, 5a-f. Types dep. USNM; holotype ♀ No. 105103, allotype ♂ No. 105104.
 1967 Lewis. *Aulostomus chinensis*, unidentified labrid; Hawaii. p. 169-170, 190, 191.
- C. formicoides* Redkar, Rangnekar and Murti, 1949**
- 1949 Redkar, Rangnekar, P. G., and Murti. N. sp. Descr. ♀ ♂; *Dussumieria acuta*; Bombay (India). p. 36-39; pl. 1(fig. 1-11). Dep. type material unknown.
 1950b Rangnekar, P. G., and Murti. Syn. of *Parapetalus formicoides*. p. 43-53.
 1962 Pillai. Syn. of *Pseudopetalus formicoides*. p. 297.
 1963 Yamaguti. Syn. of *Parapetalus formicoides*. p. 65.
 1967 Pillai. Syn. of *Pseudopetalus formicoides*. p. 1597.
- C. fortis* Kabata, 1965**
- 1965 Kabata. N. sp. Descr. ♀; *Carangoides emburyi*; Green Island (Queensland). p. 109, 110, 114-119, 125, 126; fig. 3A-L, 4A-L. Types dep. Br. Mus. (Nat. Hist.); holotype No. 1965.4.7.1, paratypes No. 1965.4.7.2.
 1968 Parker et al. Ment. p. 1923.
- C. fronsuganinus* (Shen, 1940) Shen, 1949**
- 1949 Shen. N. comb. for *Pargulus fronsuganinus*. Descr. ♂ (originally identified as ♀); host unknown; Kunming (Yunnan, China; fresh water). p. 141-145, 147-148; pl. XII(fig. a-k). Dep. type material unknown.
 1957 Shen. Ment. p. 351, 369.
- C. fugu* Yamaguti and Yamasu, 1959**
- 1959 Yamaguti and Yamasu. N. sp. Descr. ♀ ♂; *Sphaeroides rubripes*, *Sphaeroides alboplumbeus*, *Sphaeroides niphobles*, *Sphaeroides pardalis*; Inland Sea (Japan). p. 114-116, 150; pl. VII(fig. 136-152). Dep. type material unknown.
 1963 Yamaguti. List. p. 53; pl. 74(fig. 1a, b).
- C. fulvipurpureus* Shiino, 1954**
- 1954h Shiino. N. sp. Descr. ♀ ♂; *Cololabis saira*; Owase (Mie Prefecture, Japan). p. 150-153; fig. 1A-M. Types dep. Mie Prefectural U., Tsu, Japan.
 1956 Shiino. Descr. ♀ ♂. p. 233, 237-239; fig. 3A-M.
 1959c Shiino. Syn. of *C. macarovi*. p. 356.
 1959d Shiino. Syn. of *C. macarovi*. p. 277.
 1963 Yamaguti. Syn. of *C. macarovi*. p. 53, 56; pl. 64(fig. 1a, b).
 1964 Nishimura. Syn. of *C. macarovi*. p. 295.
 1965a Shiino. Syn. of *C. macarovi*. p. 396.
 1967 Silas and Ummerkutty. Syn. of *C. macarovi*. p. 891, 892.
 1972 Kazachenko et al. As *C. fulvipurpureus*, syn. of *C. macarovi*. p. 224.
- C. furcisetifer* Redkar, Rangnekar and Murti, 1949**
- 1949 Redkar, Rangnekar, P. G., and Murti. N. sp. Descr. ♀ ♂; *Sphyrna blochii*; Bombay (India). p. 40-43; pl. 2(fig. 12-24). Dep. type material unknown.
 1963 Yamaguti. List. p. 53.
 1967 Pillai. Brief descr., host, distr. p. 1592, 1674; fig. 77.
- C. gayi* Nicolet, 1849**
- 1849 Nicolet. N. sp. Descr.; unidentified fish; Chile. p. 301; pl. 3(fig. 12). Dep. type material unknown.
 1905 Wilson. Ment., key. p. 556, 557, 652.
 1961 Stuardo and Fagetti. Hist., list. p. 55-56, 77.
 1963 Yamaguti. List. p. 53.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

- C. germoi*** Pearse, 1951
- 1951 Pearse. N. sp. Descr. ♀; *Germo alalunga*; Bimini (Bahamas). p. 347-349; fig. 69d. Holotype dep. USNM, No. 88569.
- 1963 Yamaguti. List. p. 53; pl. 70(fig. 4).
- 1967 Silas and Ummerkutty. Descr. ♀, host, distr. p. 877, 886-888, 903, 947; fig. 4.
- C. glacialis*** Gadd, 1910
- 1910 Gadd. N. sp. Descr. ♀ ♂; host unknown; Arctic. p. 1-8; unnumbered plate with 15 unnumbered fig. Types dep. U. Helsingfors.
- 1956 Markevich. Descr. ♀ ♂. p. 118-120; fig. 61(4, 5).
- 1963 Yamaguti. List. p. 53; pl. 66(fig. 2a, b).
- C. glandifer*** Shiino, 1954
- 1954i Shiino. N. sp. Descr. ♀; *Zenopsis nebulosa*; Owase (Mie Prefecture, Japan). p. 154-156; fig. 1A-F. Types dep. Mie Prefectural U., Tsu, Japan.
- 1956 Shiino. Descr. ♀. p. 233, 239-241.
- 1959c Shiino. Comp. with *C. klawei*. p. 355, 356.
- 1961 Pillai. Comp. with *C. amblygenitalis*. p. 100.
- 1963 Yamaguti. List. p. 53; pl. 64(fig. 5).
- 1967 Silas and Ummerkutty. Comp. with *C. amblygenitalis*. p. 963.
- C. gracilis*** van Beneden, 1851
- 1851a van Beneden. N. sp. Descr. ♀, l.h.; *Pleuonectes rhombus*; turbot [*Pleuonectes maximus*]; Belgium. *C. piscinus* of Guérin-Méneville, 1829-1843 syn. p. 88-91, 128; pl. 2(fig. 1-7). Dep. type material unknown.
- 1851b van Beneden. List. p. 290.
- 1861 van Beneden. List. p. 147.
- 1861 Steenstrup and Lütken. Syn. of *C. branchialis*. p. 355, 362.
- 1864 Claus. Syn. of *C. branchialis*. p. 365.
- 1864 Nordmann. Ment. p. 469.
- 1866-79 Gerstaecker. List. p. 763, 764, 802.
- 1869 Olsson. Possible syn. of *Lepeophtheirus branchialis*. p. 12-13.
- 1871 van Beneden. List. p. 72, 74, 91; pl. I(fig. 1).
- 1880 Richiardi. *Rhombus laevis*, *Rhombus maximus*; Italy. p. 148.
- 1885 Carus. Syn. of *Lepeophtheirus gracilis*. p. 359.
- 1890 Malard. List. p. 95, 96.
- 1898b Brian. Syn. of *L. gracilis*. p. 8.
- 1900 Graeffe. Syn. of *L. gracilis*. p. 44.
- 1904 Gadd. Syn. of *L. branchialis*. p. 19, 20.
- 1905 Wilson. Syn. of *Lepeophtheirus thompsoni*. p. 555, 619, 623, 657.
- 1906 Brian. Questionable syn. of *L. thompsoni*. p. 46.
- 1906 Norman and T. Scott. Syn. of *L. thompsoni*. p. 209.
- 1913 Scott, T., and A. Scott. Syn. of *L. thompsoni*. p. 69.
- 1956 Markevich. Syn. of *L. thompsoni*. p. 133.
- 1963 Yamaguti. Syn. of *L. thompsoni*. p. 77.
- 1968b Parker. List. p. 363.
- C. gracilis*** Dana, 1852
- 1852 Dana. N. sp. Descr. ♀; *Serranus* sp.; Rio de Janeiro (Brazil). p. 56. Dep. type material unknown.
- 1853 Dana. Descr. ♀. p. 1356.
- 1855 Dana. pl. 94(fig. 5a-d).
- 1866-79 Gerstaecker. List. p. 771, 779.
- 1905 Wilson. Key. p. 557.
- 1963 Yamaguti. List. p. 53; pl. 61(fig. 5).
- 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.
- C. grandiaabdominalis*** Yamaguti, 1954
- 1954 Yamaguti. N. sp. Descr. ♀; *Caesio kuming*; Macassar (Celebes). p. 378, 381-383, 397; pl. III(fig. 22-25). Dep. type material unknown.
- 1963 Yamaguti. List. p. 53; pl. 59(fig. 4a, b).
- C. guerini*** Guiart, 1913
- 1913 Guiart. N. sp. Descr. ♀; host unknown; Iles de Glénans (France). p. 5-6; fig. 2. Dep. type material unknown.
- 1963 Yamaguti. List. p. 53.

***C. gurnardi* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; *Trigla gurnardus*; Agger Canal (Denmark). p. 111, 115, 146, 150-154, 177, 412; pl. II (fig. 3a-g). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 770, 802.
- 1869 Olsson. Var. of *C. rapax* of Steenstrup and Lütken, 1861. p. 8.
- 1889 Lönnberg. Ment. Misspelled as *C. gurrardi*. p. 148.
- 1894 Timm. List. as variety of *C. rapax*. p. 396.
- 1896b Bassett-Smith. *Trigla cuculus*; Plymouth (England). p. 157.
- 1898a Brian. *Clupea finta*; Genoa (Italy). p. 209, 224, 226; pl. I (fig. 1, 1a).
- 1898b Brian. Identical with Brian (1898a). p. 7, 22, 24; pl. I (fig. 1, 1a).
- 1899 Bassett-Smith. List. p. 448.
- 1900 Thompson, I. C., and A. Scott. In dredge; Isle of Man (Irish Sea). p. 143.
- 1904 Gadd. Ment. as subspecies of *C. rapax*. p. 18, 19.
- 1904 Scott, A. List. p. 118.
- 1905 Wilson. Key. Comp. with *C. mutabilis*. p. 556, 557, 559, 575.
- 1906 Brian. *C. gurnardi* of Brian, 1898 syn. of *C. minimus*. p. 37.
- 1906 Norman and T. Scott. *Trigla cuculus* [?]; Falmouth (England). p. 206.
- 1908b Wilson. *Oncorhynchus ischawytscha*, *Hydrolagus colliet*; California (USA). p. 439, 476, 477. Dep. USNM, No. 38562, 38579.
- 1912 Brian. Ment. p. 6.
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂, hosts, distr. p. 30, 52-53; pl. VIII (fig. 1, 2).
- 1920 Fraser, C. M. *Salmo gairdneri*, *Oncorhynchus keta*, *Sebastodes* sp., *Clupea pallasii*; British Columbia (Canada). p. 45, 49.
- 1926 Leigh-Sharpe. List. p. 384.
- 1929 Scott, A. List. for Irish Sea; yellow gurnard [*Trigla cuculus*]; Smith's Knoll (North Sea). p. 89, 90.
- 1933a Leigh-Sharpe. List. p. 112.
- 1934 Pesta. Brief descr. ♀ ♂, distr. p. 21; fig. 13.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, hosts, distr. Comp. with *C. centrodonti*, *C. brevicaudatus*, *C. pelamydis*, *C. diaphanus*, *C. zeii*, and *C. labracis*. p. 132-134, 190, 191; fig. 94A, B.

- 1940 Stephensen. List. p. 20.
- 1943b Heegaard. Hosts, distr. p. 5.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 24.
- 1954 Schäperclaus. List. p. 212; fig. 92.
- 1956 Markevich. Descr. ♀ ♂, hosts, distr., key. p. 113, 120; fig. 61(6).
- 1963 Yamaguti. Hosts, distr. p. 53; pl. 63 (fig. 2a, b).
- 1964 Parker and Margolis. *C. gurnardi* of Fraser, 1920, nec *C. gurnardi* of Wilson, 1908, syn. of *C. clemensi*. p. 873, 874, 888.
- 1965 Parker. Hist., descr. ♀ ♂, hosts, distr., syn. *C. nanus* new syn.; *C. gurnardi* of Wilson, 1908 and *C. gurnardi* of Fraser, 1920 nec *C. gurnardi* Krøyer. p. 93-103; fig. 1-10.
- 1967 Parker and Margolis. Ment. Comp. with *C. rapax*. p. 92-93, 94, 95, 96, 97, 98.
- 1968b Parker. List. p. 365.
- 1968 Parker et al. Ment. p. 1942.
- 1969 Hamond. List. p. 229.
- 1969 Parker. Ment. *C. gurnardi* Krøyer, 1863 partim syn. of *C. elongatus*. p. 1024, 1025, 1026, 1030.
- 1971 Shih et al. *C. gurnardi* of Fraser, 1920 incorrectly identified. p. 157.

***C. haemulonis* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; *Haemulon elegans*; Danish West Indies. p. 122-124, 170-171, 413; pl. IV (fig. 3a-d). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 768, 797.
- 1899 Bassett-Smith. List. p. 448.
- 1905 Wilson. Descr. ♀ ♂, key. p. 493, 495, 506, 558, 559, 606-607, 670; pl. XV (fig. 180-183).
- 1908a Wilson. Descr. ♀ ♂; *Centropristes striatus*, *Hexanematichthys felis*, *Felichthys marinus*; Atlantic coast USA. p. 594-597, 624, 625, 627; pl. XLIX (fig. 1-14). Dep. USNM, No. 32813, 32815, 32816.
- 1913 Wilson. List. p. 208.
- 1936 Bere. *Pogonias cromis*, *Galeichthys felis*, *Bugre marina*, *Stoasodon narinari*, *Chaetodipterus faber*; (Lemon Bay) Florida. p. 582.
- 1950b Gnanamuthu. Comp. with *C. longicer-vicis*. p. 116.

- 1952 Pearse. *Pogonias cromis*, *Bagre marina*, *Galeichthys felis*, *Archosargus probatocephalus*, *Chaetodipterus faber*, *Sciaenops ocellatus*; Gulf of Mexico (Texas coast). p. 15. (misspelled *C. haemuronis*.)
- 1953a Causey. Hosts; *Caranx crysos*, *Sciaenops ocellata*; Grand Isle (Louisiana). p. 4-5, 13.
- 1953b Causey. *Galeichthys felis*, *Sciaenops ocellata*; Port Aransas (Texas). p. 8.
- 1954 Yamaguti. Comp. with *C. paxillifer*. p. 383-385.
- 1955 Causey. *Rachycentron canadus*, *Galeichthys felis*, *Bagre marina*, *Pogonias cromis*; Gulf of Mexico (Louisiana, Mississippi, Texas). p. 4.
- 1957 Shen. Comp. with *C. biseriodentatus*. p. 364.
- 1960 Causey. ? *Bagre marinus* (bandera); Veracruz (Mexico). p. 328.
- 1963 Yamaguti. Hosts, distr. p. 53-54; pl. 66(fig. 4a-c).
- 1968b Parker. List. p. 364.

***C. hamatus* Heegaard, 1955**

- 1955 Heegaard. N. sp. Descr. ♂; free swimming; Bonny River (tropical West Africa). p. 41-44; fig. 1-7. Dep. type material unknown.

***C. hamruri* Pillai, 1964**

- 1964 Pillai. N. sp. Descr. ♀; *Priacanthus hamrur*; Trivandrum (India). p. 61-63, 82; fig. 1-13. Types dep. Indian Mus. Zool. Survey India, Calcutta.
- 1967 Pillai. Brief descr., host, locality. p. 1575, 1673; fig. 31.

***C. heckelii* Kollar in Krøyer, 1863**

- 1863 Krøyer. Syn. of *Lepeophtheirus heckelii*. p. 184. (*C. heckelii* Kollar, a museum name.)
- 1899 Bassett-Smith. Syn. of *Anuretes heckelii*. p. 457.
- 1905 Wilson. Syn. of *A. heckelii*. p. 649.
- 1955 Causey. *Lapsus* for *A. heckelii*. p. 4.
- 1968b Parker. List. p. 363.

***C. hemiconiati* Capart, 1941**

- 1941 Capart. N. sp. Descr. ♀; *Hemiconiatus guttifer*; Gambia (West Africa). p. 171, 173-175, 194; fig. 1A-E. Holotype dep. Mus. Roy. Hist. Nat., Brussels, No. 10910.

***C. heptapus* Otto, 1821**

- 1821 Otto. N. sp. Descr. ♀ ♂; *Squalus griseus*; Nice (France). p. 15. According to Nordmann (1832), 3 ♀ (types) dep. Roy. Mus., Berlin [may now be at Humboldt Mus., Berlin].
- 1832 Nordmann. Renamed *Binoculus sexsetaceus*. p. 32.
- 1835 Burmeister. Ment. Syn. of *Dinematura sexsetacea*. p. 285, 331.
- 1837 Krøyer. Syn. of *D. sexsetacea*. p. 202.
- 1861 Steenstrup and Lütken. Ment. p. 373.
- 1905 Wilson. Ment. p. 556.
- 1907 Wilson. Ment. p. 376.
- 1943 Dollfus. Syn. of *Demoleus heptapus*. p. 1, 2, 3.
- 1963 Yamaguti. List. p. 54.
- 1966a Lewis. Syn. of *D. heptapus*. p. 111.
- 1967a Cressey. Syn. of *D. heptapus* (spelled *heptatus*). p. 46.
- 1968b Parker. List. p. 362.
- 1969 Parker. Ment. p. 1020.

***C. hilsae* Shen, 1957**

- 1957 Shen. N. sp. Descr. ♀; *Hilsa reevesii*; Kwangtung Province (China). p. 351, 359-361, 369, 372-373; pl. VII(fig. 86-97). Dep. type material unknown.
- 1963 Yamaguti. List. p. 54; pl. 65(fig. 4).
- 1967 Pillai. Brief descr., hosts, distr. p. 1584, 1672; fig. 52.
- 1967 Pillai and Lal Mohan. Descr. ♀ ♂; *Hilsa toli*; Kutch (Arabian Sea). One ♂ dep. Indian Mus. Zool. Survey India, Calcutta.

***C. hippoglossi* Krøyer, 1837**

- 1837 Krøyer. N. nom. for *Binoculus piscinus* of Fabricius. Descr. ♀; *Pleuronectes hippoglossus*; Kattegat (Denmark), Greenland. p. 625-628; pl. VI(fig. 3A, 3B, 3a-3i, 3k, 3k*, 3k**, 3l, 3l*, 3l**, 3m, 3m*, 3m**, 3o, 3p, 3q, 3v). Dep. type material unknown.

- 1838 Krøyer. Ment. p. 18, 19, 152.
 1840 Edwards. Descr. ♀, key. *C. curtus* of Desmarest, 1825 syn. of "Calige du Flétan" [*C. hippoglossi*]. p. 451, 456-457.
 1843-45 Krøyer. List. p. 404.
 1843 Rathke. *Pleuronectes hippoglossus*; Norway. p. 102.
 1847 Erichson. Ment. p. 210.
 1847 Thompson, W. Ment. p. 247.
 1850 Baird. Syn. of *Lepeophtheirus hippoglossi*. p. 276.
 1850 White. Syn. of *L. hippoglossi*. p. 121.
 1851a van Beneden. Descr. ♂; *Hippoglossus hippoglossus* and other pleuronectids; Belgium. p. 88, 93-94, 128.
 1851b van Beneden. List. p. 290.
 1856 Thompson, W. Identical with W. Thompson (1847).
 1861 van Beneden. List. p. 147.
 1861 Steenstrup and Lütken. Key. p. 355.
 1864 Nordmann. Ment. p. 463, 469.
 1868 Chernyavsky. Ment. p. 56.
 1869 Olsson. Syn. of *L. hippoglossi*. p. 11.
 1871 van Beneden. List. p. 79.
 1890 Malard. List. p. 93.
 1894 Timm. Syn. of *L. hippoglossi*. p. 397.
 1899 Bassett-Smith. Syn. of *L. hippoglossi*. p. 454.
 1900 Scott, T. Syn. of *L. hippoglossi*. p. 151.
 1905 Rathbun. Syn. of *L. hippoglossi*. p. 92.
 1905 Wilson. Syn. of *L. hippoglossi*. p. 555, 625.
 1913 Scott, T., and A. Scott. Syn. of *L. hippoglossi*. p. 67.
 1913 Stephensen. Syn. of *L. hippoglossi*. p. 345.
 1920a Wilson. Syn. of *L. hippoglossi*. p. 12.
 1923 Hansen. Syn. of *L. hippoglossi*. p. 30.
 1932a Wilson. Syn. of *L. hippoglossi*. p. 412.
 1956 Markevich. Syn. of *L. hippoglossi*. p. 135.
 1963 Yamaguti. Syn. of *L. hippoglossi*. p. 74.
 1968b Parker. List. p. 362.
- 1905 Wilson. Ment., key. p. 497, 508, 558, 559, 560.
 1912 Wilson. Syn. of *Parapetalus hirsutus*. p. 239.
 1948 Gnanamuthu. Comp. ♂ with *C. bonito* and *C. savala*. p. 595.
 1950 Kirtisinghe. Ment. p. 77.
 1950b Rangnekar, P. G., and Murti. Ment. p. 43.
 1957 Shen. Descr. ♀; *Eleutheronemus tetradactylum*; Kwangtung Province (China). p. 352, 361-363, 369, 373-374; pl. VIII(fig. 98-113).
 1962 Pillai. Syn. of *P. hirsutus*. p. 288.
 1963 Yamaguti. List. p. 54; pl. 63(fig. 5), pl. 83(fig. 4a-c).
 1964 Kirtisinghe. Syn. of *P. hirsutus*. p. 69.
 1967 Pillai. Syn. of *P. hirsutus*. p. 1596.
 1968b Parker. List. p. 363.

***C. hobsoni* Cressey, 1969**

- 1969 Cressey. N. sp. Descr. ♀ ♂; *Chromis punctipinnis*, *Hypsypops rubicunda*, *Rhacochilus toxotes*, *Medialuna californiensis*; La Jolla (California). p. 431-434; fig. 1-17. Types dep. USNM; holotype ♀ No. 123336, allotype ♂ No. 123337, paratypes ♀ ♂ No. 123338.

***C. hoplognathi* Yamaguti and Yamasu, 1959**

- 1959 Yamaguti and Yamasu. N. sp. Descr. ♀; *Hoplognathus fasciata*; Inland Sea (Japan). p. 116-118, 152; pl. VIII(fig. 153-164). Dep. type material unknown.
 1960a Shiino. Comp. with *C. laticaudus*. p. 485.
 1963 Yamaguti. List. p. 54; pl. 74(fig. 3).
 1965a Shiino. Comp. with *C. pectinatus*. p. 408.

***C. hottentotus* Barnard, 1957**

- 1957 Barnard. N. sp. Descr. ♀; *Pachymetopon blochii*; Table Bay (South Africa). p. 11. Dep. type material unknown.

***C. hippuris* Heller in Norman, 1905**

- 1905 Norman. List. p. 41.

***C. hirsutus* Bassett-Smith, 1898**

- 1898a Bassett-Smith. N. sp. Descr. ♀ ♂; *Poly-nemus tetradactylus*; Bombay (India). p. 6-7, 16; pl. III(fig. 1a-d, 2). Types dep. Brit. Mus. (Nat. Hist.).
 1898b Bassett-Smith. Ment. p. 78.
 1899 Bassett-Smith. List. p. 450.

***C. hyalinae* Heegaard, 1966**

- 1966 Heegaard. N. sp. Descr. ♀ ♂; plankton; Rockport (Texas). p. 187-190; fig. 1-8. Dep. type material unknown.

C. hyalinus Chernyavsky, 1868

- 1868 Chernyavsky. N. sp. Descr. ♂; free swimming; Black Sea. p. 56-57; pl. VIII(fig. 45, 46). Dep. type material unknown.
1872 Ulyanin. L.h.; *Crenilabrus ocellatus*, *Crenilabrus griseus*; Black Sea. p. 61-64; fig. 1-19.
1905 Wilson. Ment. p. 556.
1937 Markevich. Ment. p. 38, 82.
1955b Reshetnikova. List. p. 121.
1956 Markevich. Descr. ♂, key. p. 5, 6, 112, 118; fig. 61(3).
1963 Yamaguti. List. p. 54; pl. 68(fig. 3).
1968b Parker. List. p. 366.

C. imbricatus Risso, 1816

- 1816 Risso. N. sp. Descr. ♀; "Squale feroce"; Nice (France). p. 160, 162; pl. III(fig. 13). Dep. type material unknown.
1818 Lamarck. List. p. 142.
1819 Leach. Syn. of *Anthosoma smithii*. p. 353.
1825 Desmarest. Descr. p. 427.
1829 Latreille. Assigned to *Anthosoma*. p. 198.
1835 Burmeister. Syn. of *A. smithii*. p. 328.
1836 Cuvier. Identical with Latreille (1829). p. 252.
1837 Edwards. Identical with Latreille (1829). p. 264.
1850 Baird. Syn. of *A. smithii*. p. 299.
1850 White. Syn. of *A. smithii*. p. 125.
1880 Valle. Syn. of *Anthosoma crassum*. p. 62.
1898a Brian. Ment. p. 205.
1898b Brian. Identical with Brian (1898a). p. 3.
1899 Bassett-Smith. Syn. of *A. crassum*. p. 468.
1905 Wilson. Belongs to *Anthosoma*. p. 555.
1906 Brian. Syn. of *A. crassum*. p. 62.
1906 Norman and T. Scott. Syn. of *A. crassum*. p. 214.
1913 Scott, T., and A. Scott. Syn. of *A. crassum*. p. 108.
1922a Wilson. Hist. Syn. of *A. crassum*. p. 2, 3, 22, 23.
1955c Shiino. Syn. of *A. crassum*. p. 50.
1956 Markevich. Syn. of *A. crassum*. p. 159.
1963 Yamaguti. List. Syn. of *A. crassum*. p. 54, 144.
1966b Lewis. Syn. of *A. crassum*. p. 66.
1968b Parker. List. p. 362.
1969 Parker. Ment. p. 1020.

C. indicus Pillai, 1961

- 1961 Pillai. N. sp. Descr. ♀ ♂; *Trachinotus blochi*; Vizhingom (India). p. 102-103; fig. 9A-V. Types dep. Marine Biol. Lab., Trivandrum, India.
1963b Pillai. Comp. with *C. auxisi*. p. 87.
1964 Kirtisinghe. Syn. of *C. cossackii*. p. 57.
1967 Pillai. Brief descr., host, distr. p. 1578-1579, 1675; fig. 39.
1967 Silas and Ummerkutty. Comp. with *C. auxisi*. p. 963.

C. infestans Heller, 1865

- 1865 Heller. N. sp. Descr. ♀ ♂; *Scomber* sp.; Indian Ocean (Java). p. 167-169, 261, 265; pl. XIV(fig. 3, 4). Dep. type material unknown.
1866-79 Gerstaecker. List. p. 767, 795.
1898c Bassett-Smith. *Cybium commersonii*; Indian Ocean (Aden). Comp. with *C. longipedis*. p. 360.
1899 Bassett-Smith. Hosts, distr. p. 451.
1905b Brian. Comp. with *C. trachypteri*. p. 4.
1905 Wilson. Key. p. 557, 558.
1956 Nunes-Ruivo and Fourmanoir. Descr. ♀; *Cybium commersonii*; Madagascar. p. 69-71; fig. 1a-d.
1963 Yamaguti. List. p. 54; pl. 61(fig. 4a-d).
1964 Kirtisinghe. Descr. ♀ ♂, hosts, distr.; *Cybium commersonii*; Mullaitivu and Pandura (Ceylon). *C. sphyraenae*, *C. maculatus* new syns. p. 52, 53, 127; fig. 22-24.
1965 Kabata. Measurements ♀ ♂, hosts, distr.; *Euthynnus alleteratus*, *Scomberomorus commersonii*; Queensland. p. 109, 119, 120, 126; fig. 2A, B.
1967 Pillai. Brief descr., hosts, distr. p. 1586, 1671, 1674; fig. 59.
1967 Silas and Ummerkutty. Brief descr. ♀ ♂, host, distr. p. 877, 888-889, 903, 946; fig. 5(1-6).
1968b Parker. List. p. 365.
1971 Pillai. Descr. ♀ from Bassett-Smith's (1898c) collection. p. 158-160; fig. 48-62. Dep. Br. Mus. (Nat. Hist.) No. 98.12.2.6.

C. irritans Heller, 1865

- 1865 Heller. N. sp. Descr. ♀ ♂; *Serranus*; Brazil. p. 177-179, 262, 266; pl. XV(fig. 7-7i, 8-8d). Dep. type material unknown.

- 1866-79 Gerstaecker. List. p. 771, 797.
 1898a Bassett-Smith. Comp. with *C. hipsoni*. p. 7, 8.
 1898c Bassett-Smith. Comp. with *C. robustus*. p. 362.
 1899 Bassett-Smith. *Caranx* sp.; East Indies. p. 452.
 1905 Wilson. Ment., key. Comp. with *C. mutabilis*. p. 493, 497, 556, 560, 575.
 1911 Wilson. *Neomaenis aya*; Jamaica. p. 5.
 1912 Wilson. Comp. with *C. hipsoni*. p. 238-239.
 1913 Wilson. Descr. ♀ ♂; *Neomaenis aya*; Jamaica. Comp. with *C. robustus*. p. 210-212, 214, 273; pl. 25(fig. 62), pl. 27(fig. 71-80).
 1924a Wilson. "Large-eyed blue fish"; Galapagos Is. p. 211, 213.
 1936b Wilson. *Lutianus griseus*; Dry Tortugas (Florida). p. 330.
 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25-26.
 1963 Yamaguti. Hosts, distr. p. 54; pl. 61(fig. 6a-g).
 1968b Parker. List. p. 365.
 1971 Pillai. A wrongly labelled *C. infestans* in Br. Mus. (Nat. Hist.). p. 160.

C. isonyx Steenstrup and Lütken, 1861

- 1861 Steenstrup and Lütken. N. sp. Descr. ♀; *Sphyaena barracuda*; West Indies. p. 354, 356, 358-359, 429; pl. III(fig. 5). Holotype dep. Zool. Mus. U. Copenhagen.
 1866 Heller. Comp. with *C. diaphanus*. p. 752.
 1866-79 Gerstaecker. List. p. 770, 797.
 1891 Scott, T. *Trigla gurnardus*; Firth of Forth (Scotland). p. 310.
 1898b Bassett-Smith. Comp. with *C. platytarsis*. p. 84.
 1899 Bassett-Smith. List. p. 450.
 1900 Scott, T. *C. isonyx* of Scott, 1891 syn. of *C. diaphanus*. p. 149.
 1905 Wilson. Descr. ♀, key. p. 557, 561, 602-603, 671; pl. XV(fig. 184-186).
 1906 Brian. Comp. with *C. lichiae*. p. 38.
 1906 Gadd. Comp. with *C. dentatus*. p. 4.
 1906 Scott, T. *C. isonyx* of Scott, 1891 syn. of *C. diaphanus*. p. 367.
 1907 Wilson. Ment. p. 393.
 1910 Gadd. Comp. with *C. glacialis*. p. 6.
 1913 Scott, T., and A. Scott. *C. isonyx* of Scott, 1891 syn. of *C. diaphanus*. p. 60.
 1913 Wilson. List. p. 208.

- 1920b Wilson. Ment. p. 73.
 1921 Wilson. Identical with Wilson (1920b).
 1928b Wilson. Comp. with *C. lunatus*. p. 6, 7.
 1937a Wilson. *Cypselurus callopterus*; Charles Is. (Galapagos Is.). p. 26-27.
 1951 Pearse. Comp. with *C. spinosurculus*. p. 348.
 1954g Shiino. Comp. with *C. triangularis*. p. 148, 149.
 1955 Rangnekar, M. P. Comp. with *C. bombayensis*. p. 58.
 1963b Pillai. Comp. with *C. thynni* Pillai, 1963. p. 90.
 1963 Yamaguti. List. p. 52, 54; pl. 65(fig. 2).
 1965 Kabata. Comp. with *C. asymmetricus*, *C. bombayensis*. p. 111, 112.
 1967 Silas and Ummerkutty. Comp. with *C. thynni* Pillai, 1963. p. 974.
 1968b Parker. List. p. 365.

C. japonicus Gussev in Isakova-Keo, 1952

- 1952 Isakova-Keo. N. sp. *Leuciscus brandti*, *Hyporhamphus* sp., *Sebastodes* sp., *Hexagrammus* sp., *Limanda* sp.; Peter the Great Bay (Japan Sea coast of USSR). p. 234.
 1963 Yamaguti. List. p. 54.
 1966 Margolis and Parker. Syn. of *C. orientalis*. p. 311.

C. kala Lewis, 1964

- 1964 Lewis. N. sp. Descr. ♂; *Naso hexacanthus*; Oahu (Hawaii). p. 142-149; fig. 2a-k. Holotype ♂ dep. USNM, No. 105106.
 1967 Lewis. Descr. ♀ ♂; *Dascyllus albisella*, *Saurida gracilis*, *Pomacentrus jenkinsi*; Oahu (Hawaii). p. 159-163, 190, 191; fig. 60a-h, 61a-e. Dep. USNM, No. 112927, 112928, 112929, 112930, 112931, 112932.

C. kalumai Lewis, 1964

- 1964 Lewis. N. sp. Descr. ♀; *Acanthurus guttatus*; Oahu (Hawaii). p. 171-178; fig. 10a-g. Holotype ♀ dep. USNM, No. 105109.
 1967 Lewis. List. p. 170, 191.
 1968 Lewis. Comp. with *C. pseudokalumai*. p. 62, 64.

***C. kanagurta* Pillai, 1961**

- 1961 Pillai. N. sp. Descr. ♀; *Rastrelliger kanagurta*; Trivandrum (India). p. 100–101; fig. 8A–Q. Types dep. Marine Biol. Lab., Trivandrum, India.
- 1967 Lewis. Comp. with *C. pelamydis*. p. 144.
- 1967 Pillai. Brief descr., host, distr. p. 1581, 1674; fig. 46.
- 1967 Silas and Ummerkutty. Descr. ♀, host, distr. p. 957, 966–967, 992; fig. 40(19–35).

***C. kapuhili* Lewis, 1967**

- 1967 Lewis. N. sp. Descr. ♀ ♂; *Chaetodon militaris*, *Chaetodon fremblyi*, unknown chaetodontid; Oahu (Hawaii). p. 152–159, 191; fig. 57a–h, 58a–f, 59a–e. Types dep. USNM; holotype ♀ No. 112918, allotype ♂ No. 112919, paratypes No. 112920, 112921, 112922, 112923, 112924, 112925, 112926.
- 1968 Lewis. *Chaetodon auriga*, *Chaetodon lumula*; Eniwetok Atoll (Pacific). p. 53.

***C. katuwo* Yamaguti, 1936**

- 1936 Yamaguti. N. sp. Descr. ♀; *Euthynnus pelamys*; Pacific Ocean near Japan. p. 6–8, 19; pl. IV (fig. 55), V (fig. 56–58). Dep. type material unknown.
- 1954d Shiino. Descr. ♂ abnormal ♀; *Euthynnus pelamys*; Pacific Ocean near Japan. p. 246–249; fig. A–M. Dep. Mie Prefectural U., Tsu, Japan.
- 1956 Fukui. List. p. 48.
- 1956 Nunes-Ruivo. *Neothunnus albacora*; Angola. Comp. with *C. bonito*. p. 10, 12, 17; pl. I (fig. b); II (fig. b).
- 1957 Fukui. List. p. 57.
- 1959 Capart. Comp. with *C. alalongae*. p. 79.
- 1959b Shiino. Syn. of *C. productus* Dana. p. 1, 14, 27–29, 32.
- 1963 Yamaguti. Hosts, distr. Syn. of *C. productus* Dana. p. 54, 58; pl. 71 (fig. 4a–c).
- 1964 Kirtisinghe. Syn. of *C. productus* Dana. p. 53.
- 1965a Shiino. Syn. of *C. productus* Dana. p. 414.
- 1967 Lewis. Syn. of *C. productus* Dana. p. 116.
- 1967 Silas and Ummerkutty. Syn. of *C. productus* Dana. p. 877, 895.

***C. klawei* Shiino, 1959**

- 1959c Shiino. N. sp. Descr. ♀; *Engraulis mordax*; California. p. 351–356; fig. 2A–G, 3A–F. Types dep. Mie Prefectural U., Tsu, Japan.
- 1961 Pillai. Comp. with *C. amblygenitalis*. p. 100.
- 1963 Yamaguti. List. p. 54.
- 1967 Silas and Ummerkutty. Comp. with *C. amblygenitalis*. p. 963.

***C. krishnai* Thomas, 1967**

- 1967 Thomas. N. sp. Descr. ♀ ♂; *Euthynnus affinis affinis*; Calicut (South India). *C. kuroshio* of Pillai, 1963 syn. p. 137–140. Types dep. Mus. Central Marine Fish. Res. Inst., Mandapam Camp, South India; holotype ♀ CMFRI No. 92, allotype ♂ CMFRI No. 93.

***C. kroeyeri* Edwards, 1840**

- 1840 Edwards. N. sp. Descr. ♀, key; *Diodon* sp.; locality unknown. p. 452. Types dep. Mus. Natl. Hist. Nat., Paris.
- 1861 Steenstrup and Lütken. Ment. p. 357.
- 1866–79 Gerstaecker. List. p. 759.
- 1899 Bassett-Smith. List. p. 448.
- 1905 Wilson. Ment. p. 555.
- 1963 Yamaguti. List. p. 54.
- 1968b Parker. List. p. 365.
- 1969 Parker. Syn. of *C. elongatus*. p. 1025, 1026, 1031.

***C. kuroshio* Shiino, 1959**

- 1959a Shiino. N. sp. Descr. ♀ ♂; *Katsuwonus pelamis*, *Thunnus thynnus*; Pacific Ocean near Japan. *C. bonito* of Yamaguti, 1936 syn. p. 51–57; fig. 1A–O, 2A–J. Holotype ♀, allotype ♂, paratypes dep. Mie Prefectural U., Tsu, Japan.
- 1961 Pillai. Comp. with *C. malabaricus*. p. 109.
- 1963b Pillai. *Euthynnus affinis*; Trivandrum (India). Comp. with *C. auxisi*. p. 80–81, 87, 90; fig. 9A–S.
- 1963 Yamaguti. List. p. 55; pl. 71 (fig. 3a, b).
- 1964 Lewis. Comp. with *C. kala*. p. 148–149.
- 1965 Kabata. Measurements ♀ ♂, hosts, distr.; *Euthynnus alleteratus*; Queensland. p. 109, 110, 120, 126; fig. 2D, E.

- 1965a Shiino. Measurements ♀; *Katsuwonus pelamis*; eastern equatorial Pacific. p. 417-418.
- 1967 Lewis. Comp. with *C. quadratus*. Possible syn. of *C. bonito*. p. 114, 116, 124, 130, 138.
- 1967 Pillai. Brief descr., host in India, distr. p. 1580, 1672; fig. 45.
- 1967 Silas and Ummerkutty. Brief descr. ♀ ♂, hosts, distr., syn. Comp. with *C. auxisi*. p. 877, 882, 889-890, 903, 945, 947, 957, 963, 967, 974, 992; fig. 6(1-16), 42(12-16).
- 1967 Thomas. Comp. with *C. krishnai*. *C. kuroshio* of Pillai, 1963 syn. of *C. krishnai*. p. 137, 139-140.
- 1971 Pillai. Syn. of *C. bonito*. p. 161, 162, 163, 164.

C. labracis Scott, 1902

- 1902 Scott, T. N. sp. Descr. ♀ ♂; *Labrus mixtus*, *Labrus maculatus*; Firth of Clyde (Scotland), Irish Sea. p. 291; pl. XIII(fig. 26-29). Types dep. Brit. Mus. (Nat. Hist.).
- 1903 Bassett-Smith. List. p. 108.
- 1904 Scott, A. List. p. 118.
- 1905 Norman. List. p. 41.
- 1905 Wilson. Key. p. 557.
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂. p. 30, 33, 54; pl. V(fig. 4, 5), XVIII(fig. 4, 5).
- 1929 Scott, A. List. p. 90.
- 1933a Leigh-Sharpe. List. p. 111.
- 1933b Leigh-Sharpe. List. p. 113.
- 1934 Gurney. L.h.; *Labrus bergylta*; Plymouth (England). p. 178, 180-190; fig. 3, 7, 12.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. List. Comp. with *C. diaphanus*, *C. zeii*, *C. centrodonti*, *C. gurnardi*, *C. brevicaudatus*, and *C. pelamydis*. p. 135, 191, 193; fig. 98.
- 1946 Dawes. Ment. p. 121.
- 1952 Kurian. Ment. p. 13, 14.
- 1954 Schäperclaus. List. p. 212.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1955 Kurian. Comp. with *C. pelagicus*. p. 105, 106.
- 1955b Barnard. Key. *Clinus superciliosus*; Table Bay (South Africa). p. 8, 100.
- 1956 Dawes. Identical with Dawes (1946).
- 1957 Kozikowska. Ment. p. 239.
- 1963 Yamaguti. List. p. 55.
- 1965 Hwa. Ment. p. 49.
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1969 Izawa. Ment. p. 154.

C. lacustris Steenstrup and Lütken, 1861

- 1861 Steenstrup and Lütken. N. sp. Descr. ♀, key; pike [*Esox lucius*], perch [*Perca fluviatilis*], roach [*Rutilus rutilus*]; Lake Fuur, Lake Tiustrup (Denmark). p. 354-356, 429; pl. I(fig. 2). Types dep. Zool. Mus. U. Copenhagen?
- 1866-79 Gerstaecker. List. p. 760, 761, 771, 805.
- 1876 Richters. Descr. ♂; perch; Bille R. (Germany). Comp. with *C. balistae*. p. 244-245.
- 1877 Olsson. Comp. with *C. borealis*. p. 77-78.
- 1899 Bassett-Smith. List. p. 448.
- 1903 Wesenberg-Lund. Pike, perch, roach, bleak [*Alburnus alburnus*], rudd [*Scardinius erythrophthalmus*]; Lake Fuur (Denmark). Comp. with *C. curtus*. p. 277-279.
- 1904 Gadd. Descr. ♀ ♂, l.h.; *Abramis björkna*, *Leuciscus idus*, *Leuciscus phoxinus*, *Leuciscus rutilus*, *Gasterosteus aculeatus*, *Gasterosteus pungitius*; Lake Lojo (Finland). Comp. with *C. curtus*. p. 15-17, 20, 49, 51, 59; pl. I(fig. 26-30).
- 1904 Wesenberg-Lund. Free swimming; Lake Fuur (Denmark). p. 203.
- 1905 Wilson. Key. p. 559.
- 1906 Brian. Syn. of *C. curtus*? p. 35, 36.
- 1906 Gadd. Comp. with *C. dentatus*. p. 5, 9.
- 1906 Hofer. List. p. 180; fig. 113.
- 1909 Neresheimer. Hosts. Comp. with *C. rapax*. p. 74; fig. 320.
- 1910 Gadd. Comp. with *C. glacialis*. p. 4.
- 1916 Alm. Free swimming; Hjälmarén Lake (Sweden). p. 17-18; fig. 3a-c.
- 1931 Markevich. *Cyprinus carpio*, *Barbus brachycephalus*, *Rutilus rutilus*, *Leuciscus idus*, *Aspius erythrostomus*, *Scardinius erythrophthalmus*, *Alburnus chalcoides*, *Silurus glanis*, *Perca fluviatilis*, *Lucio-perca luctoperca*; brackish water, Aral Sea. p. 122-124.
- 1931 Monod and Vladikov. Hosts. p. 217, 221.

- 1933 Markevich. *Caspialosa kessleri*, *Caspialosa brashnikovi*, *Caspialosa saposhnikovii*, *Cyprinus carpio*, *Rutilus rutilus*, *Rutilus fristii*, *Chalcalburnus chalcoides*, *Perca fluviatilis*, *Acipenser güldenstädti*, *Acipenser stellatus*, *Abramis brama*, *Abramis sapa*, *Vimba vimba*, *Silurus glanis*, *Esox lucius*, *Atherina pontica*, *Lucioperca lucioperca*; Caspian Sea. *C. dentatus* new syn. p. 10–13; fig. 4–6.
- 1934 Dogiel and Bykhovskiy. *Aspius aspius*, *Barbus brachycephalus*, *Chalcalburnus chalcoides*, *Cyprinus carpio*, *Leuciscus idus*, *Lucioperca lucioperca*, *Perca fluviatilis*, *Rutilus rutilus*, *Scardinius erythrophthalmus*, *Silurus glanis*; Aral Sea. p. 319, 320, 321, 342, 343, 344, 345.
- 1934 Pesta. Descr. p. 19; fig. 11.
- 1934 Markevich. Brief descr. ♀; *Vimba vimba*, *Coregonus albula*, *Alburnus alburnus*; Gulf of Neva, Lake Ladoga, Lake Siverskaya (USSR). p. 78.
- 1937 Fujita. List. p. 114; fig. 91(2).
- 1937 Markevich. Brief descr. ♀, distr. *C. dentatus* syn. of *C. lacustris*. p. 19, 24, 38, 49, 51, 52, 82–83, 160, 191, 193; fig. 8.
- 1937 Wagler. Brief descr. ♀, hosts in central Europe. p. 176–177; fig. 535.
- 1938 Dogiel and Bykhovskiy. *Acipenser güldenstädti*, *A. stellatus*, *Caspialosa saposhnikovii*, *C. brashnikovi*, *C. kessleri*, *Rutilus rutilus caspicus*, *R. fristii kutum*, *Chalcalburnus chalcoides*, *Abramis brama*, *A. sapa*, *Vimba vimba persa*, *Cyprinus carpio*, *Silurus glanis*, *Esox lucius*, *Perca fluviatilis*, *Lucioperca lucioperca*, *Atherina pontica caspica*; Caspian Sea. *C. dentatus* syn. of *C. lacustris*. p. 107–108, 117, 139, 147.
- 1939 Bykhova. *Perca fluviatilis*; Lake Charkhal (USSR). p. 41.
- 1939 Redeke. Hist., descr. ♂; from stomach contents of perch, carp [*Cyprinus carpio*?], *Acerina cernua*, on *Gasterosteus aculeatus*, *Blicca björkna*; Ijssel Sea, Hoornsche Hop (Netherlands). Denies syn. with *C. dentatus*. p. 193–202; fig. 1, 2a–c, 3a, b.
- 1940 Petrushevskiy. *Abramis brama*, *Coregonus albula*; Onega Lake (USSR). p. 156, 157, 162, 168, 169.
- 1945a Dogiel. List. p. 6.
- 1945b Dogiel. Sturgeon; Caspian Sea. p. 19.
- 1947 Heegaard. Ment. p. 24.
- 1949 Bykhovskaya-Pavlovskaya. Distr. on *Perca fluviatilis* in USSR. p. 319–321, 324, 334, 335.
- 1949 Shen. Hosts, distr. Comp. with *C. fronsuganinus*. p. 140, 147.
- 1951 Markevich. Brief descr. ♀, distr.; Dnieper R. (Ukr.S.S.R.). p. 304–305; fig. 246.
- 1952 Isakova-Keo. Ment. p. 236.
- 1952 Wesenberg-Lund. Brief descr. ♀, l.h.; pike; Denmark. p. 167–168; pl. XXVI (fig. 2–4).
- 1954 Dyk. List. p. 181.
- 1954 Kaj. Descr. juv., hosts, distr.; *Alburnus alburnus*; Lake Gorzyn (Poland). p. 45–48; fig. 1.
- 1954 Schäperclaus. List. p. 213; fig. 93.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1955 Goreglyad. Ment. p. 203.
- 1955 Ruting and Stock, T. H. Hosts, distr.; *Leuciscus rutilus*; Amsterdam canals (Netherlands). p. 84–86; unnumbered fig.
- 1955 Polyansky. Ment. p. 100.
- 1956 van Duijn. Figured. p. 68; fig. 4.
- 1956a Grabda, J. *Abramis brama*; Vistula R. (Poland). p. 161–162.
- 1956b Grabda, J. *Abramis brama*; Wegorzeczek, Goldapiwo, and Kortowskie lakes, Vistula and Xysica rivers, and Baltic Sea (Poland). p. 223, 224–225.
- 1956 Kozicka. Unnamed host; Lake Goldapiwo (Poland). p. 208.
- 1956 Kozikowska. Unnamed host; mouth of Odra R. p. 249, 250.
- 1956 Markevich. Descr. ♀ ♂, distr., key. *C. borealis* new syn. p. 6, 7, 8, 9, 112, 113–114; fig. 57(1, 2).
- 1957 Barysheva and Bauer. *Coregonus albula*, *Coregonus lavaretus*, *Leuciscus leuciscus*; Lake Ladoga (USSR). p. 197, 201, 202, 205, 218.
- 1957 Bauer and Nikolskaya. *Coregonus lavaretus*; Lake Ladoga (USSR). p. 228, 233.
- 1957 Kozikowska. Hosts, distr., l.h. p. 237–248, 266; fig. 3a, b, 4a–e, 5, 6a–c, 7a–e, 8, 9a, b, 10, 11.
- 1957 Lyaiman. Hosts. p. 194.
- 1957 Nagibina. List. p. 140, 143.
- 1957 Petrushevskiy. *Alosa brashnikovi*, *Alosa saposhnikovii*, *Alosa kessleri*; Black Sea, Caspian Sea. p. 311, 312.
- 1958 Getsevichyute. *Lucioperca lucioperca*, *Pleuronectes flesus*; Kurshyu Marios Bay (Baltic Sea). p. 119, 131, 133.

- 1958 Osmanov. *Cyprinus carpio*, *Rutilus rutilus*; Aral Sea. p. 75, 77.
- 1958 Shulman. Ment. p. 208.
- 1959 Grabda, E., and J. Grabda. Hosts, distr. in Poland; *Rutilus rutilus*, *Abramis brama*, *Alburnus alburnus*, *Rhodeus sericeus amarus*; Kortowskie and Swiete lakes, mouth of Vistula R., Baltic Sea (Poland). p. 182, 186.
- 1959 Kamenev. Carp; Azov Sea (USSR). p. 159.
- 1959 Markevich. Ment. p. 669, 670.
- 1959 Osmanov. Carp; Aral Sea. p. 196.
- 1960 Schwarz. Larval stages in plankton; brackish water at Rügen Is. and Darss Peninsula (E. Germany). p. 298, 299; fig. 6.
- 1961 Barysheva and Bauer. English transl. of Barysheva and Bauer (1957). p. 194, 197, 199, 202, 214.
- 1961 Bauer and Nikolskaya. English transl. of Bauer and Nikolskaya (1957). p. 225, 230.
- 1961 Chaplina and Antsishkina. *Atherina mochon pontica*; small rivers north of Azov Sea (USSR). p. 247, 248.
- 1961 Grabda, J. *Gasterosteus aculeatus*, mouth of Vistula R. (Poland). p. 179, 180, 181.
- 1961 Koval. As *C. licustris*. Rudd [*Scardinius erythrophthalmus*]; Dnieper R. (Ukr. S.S.R.). p. 85.
- 1961 Kozikowska. Six unnamed hosts; Gdansk Bay (Poland). p. 183, 184, 185.
- 1961 Nagibina. English transl. of Nagibina (1957). p. 136, 139.
- 1961a Osmanov. *Barbus brachyphallus*; Aral Sea. p. 3, 6, 15.
- 1961b Osmanov. *Barbus brachyphallus*; Aral Sea. p. 35, 39, 40, 42, 43, 44, 45, 50.
- 1961 Petrushevsky. English transl. of Petrushevsky (1957). p. 306, 307.
- 1961 Shulman. *Esox lucius*; Lake Syam (USSR). p. 181, 185.
- 1961 Shulman. English transl. of Shulman (1958). p. 204.
- 1962 Bykhovskaya-Pavlovskaya et al. Brief descr. ♀ ♂, distr., hosts in USSR. p. 650, 652, 692, 693, 696, 697, 699, 700, 701, 703, 704, 705, 709, 710, 711, 712, 713, 717, 719, 722, 723; fig. 1578A-C.
- 1962 Dogiel. Ment. p. 172.
- 1962 Ekimova. *Coregonus sardinella*; Pechora R. (USSR). p. 546, 547.
- 1962 Grabda, J. Distr. in Poland; *Abramis brama*, *Gasterosteus aculeatus*; mouth of Vistula R. p. 276, 277, 278, 280-281, 283, 284, 285.
- 1962 Koval. Asp [*Aspius aspius*], white bream [*Blicca bjoerkna*]; Dnieper R. (Ukr. S.S.R.). p. 103.
- 1963 Dogiel. German transl. of Dogiel (1962). p. 193.
- 1963 Kamenev. English transl. of Kamenev (1959). p. 166.
- 1963 Markevich. English transl. of Markevich (1951). p. 306, 307; fig. 246.
- 1963 Markov et al. List. p. 116.
- 1963 Mikailov. As *Caligys lacustris*. Carp; Kura R. (Azerbaijdzhan, USSR). p. 154.
- 1963 Osmanov. English transl. of Osmanov (1959). p. 207.
- 1963 Yamaguti. Hosts, distr. p. 55; pl. 67(2a, b).
- 1964 Bykhovskaya-Pavlovskaya et al. English transl. of Bykhovskaya-Pavlovskaya et al. (1961). p. 768, 820, 821, 825, 826, 828, 829, 830, 832, 833, 834, 838, 839, 840, 842, 843, 847, 849, 852, 853, 854; fig. 1578A-C.
- 1964 Dogiel. English transl. of Dogiel (1962). p. 181.
- 1964 Razmashkin. *Coregonus lavaretus maraenoides*; Lake Chudskoe (USSR). p. 164, 167.
- 1965 Bogdanova and Nikolskaya. Bleak [*Alburnus alburnus*], roach [*Rutilus rutilus*]; Volga R. (USSR). p. 104.
- 1965 Iskov. *Abramis brama*; culture ponds (Ukr.S.S.R.). p. 223.
- 1965 Kozikowska. *Rutilus rutilus*, *Scardinius erythrophthalmus*, *Gasterosteus aculeatus*, *Lucioperca lucioperca*, *Perca fluviatilis*; Polish coast of Baltic Sea. p. 98, 100, 101.
- 1965 Krasilnikova. Ide [*Leuciscus idus*], chub [*Leuciscus cephalus*], pike [*Esox lucius*], asp [*Aspius aspius*]; Don R. (Ukr.S.S.R.). p. 284, 286, 287.
- 1965 Osmanov. *Pseudoscaphirhynchus kaufmanni*; Uzbekistan (USSR). p. 168.
- 1965 Puidak. *Vimba vimba*; Estonia (Baltic Sea). p. 555.
- 1965 Reichenbach-Klinke and Elkan. Ment. p. 111; fig. 97.
- 1965 Reshetnikova. Roach [*Rutilus rutilus*], European pike-perch [*Lucioperca lucioperca*]; Don R. (Ukr.S.S.R.). p. 212.

- 1966 Agapova. Brief descr. ♀ ♂, hosts, distr. in USSR, syn. p. 232; fig. 67(4).
- 1966 Reichenbach-Klinke. List. p. 232; pl. 259(fig. 2).
- 1966 Sukhenko. *Cyprinus carpio*, *Leuciscus idus*; Konka R. (Ukr.S.S.R.). p. 70, 72, 73, 74.
- 1967 Dudich. List. p. 27, 48.
- 1967 van Duijn. Figured. p. 96; fig. 39(4).
- 1967 Grabda, J. Hosts, distr. in Poland. p. 10.
- 1967 Markov et al. List. p. 109.
- 1967 Sukhenko. Unnamed hosts, Dnieper R. (Ukr.S.S.R.). p. 503.
- 1968b Parker. Ment. Comp. with *C. longicaudatus*. p. 360, 362.
- 1968c Parker. Recommends suppressing *C. appendiculatus* in favour of *C. lacustris*. p. 105-106.
- 1968 Parker et al. Ment. p. 1923.
- 1969 Dontsov and Kosareva. List. p. 294, 295.
- 1969 Shulman and Chernysheva. List. p. 210.
- 1970 Kabata. Ment. p. 104.
- 1970 Lawler. List. p. 307.
- 1971 Grabda, J. Hosts, distr. p. 115, 137, 149, 163, 172, 196, 203, 256.
- 1971 ICZN. Placed on Official List of Specific Names in Zoology with Name No. 2429. p. 220.
- 1971 Osmanov. Descr. ♀ ♂, distr.; *Acipenser nudiventris*, *Rutilus rutilus aralensis*, *Leuciscus idus oxianus*, *Pseudoscaphirhynchus kaufmanni*, *Esox lucius*, *Scardinius erythrophthalmus*, *Ctenopharyngodon idella*, *Aspius aspius taeniatus*, *Barbus capito conocephalus*, *B. brachycephalus*, *Chalcaburnus chalcoides aralensis*, *Abramis brama orientalis*, *A. sapa bergi*, *Pelecus cultratus*, *Cyprinus carpio*, *Silurus glanis*, *Lucioperca lucioperca*, *Perca fluviatilis*, and *Aristichthys nobilis*; Uzbekistan (USSR). p. 6, 13, 238, 247, 248, 250, 257, 262, 268, 271, 275, 279, 283, 293, 298, 303, 304, 305, 306, 312, 313, 322, 332, 336, 343, 356, 357, 358, 378, 385, 387, 390, 415, 416, 485.
- 1972 Banina and Isakov. *Gasterosteus aculeatus*; Neva R. (USSR). p. 188.
- 1972 Lopukhina and Strelkov. *Osmerus eperlanus*, *Leuciscus idus*; Lake Verkhnee Vrevo (USSR). p. 7, 12.
- C. lagocephali* Pillai, 1961**
- 1961 Pillai. N. sp. Descr. ♀; *Lagocephalus inermis*; Vizhingom (India). p. 107-109; fig. 12A-Q. Types dep. Marine Biol. Lab. Trivandrum.
- 1967 Pillai. Brief descr., host, distr. p. 1576, 1682; fig. 34.
- C. lalandei* Barnard, 1948**
- 1948 Barnard. N. sp. Descr. ♀ ♂; *Seriola lalandei*; Kalk Bay (South Africa). p. 243-244; fig. 2. Dep. type material unknown.
- 1955a Barnard. Descr. ♀ ♂, key. p. 244, 246-247; fig. 9a-c.
- 1955b Barnard. Key. p. 99.
- 1963 Yamaguti. List. p. 55; pl. 65(fig. 3a-c).
- C. laticaudus* Shiino, 1960**
- 1960a Shiino. N. sp. Descr. ♀; *Pagrosomus major*; Hamazima (Japan). p. 482-487; fig. 5A-F, 6A-F. Holotype ♀ dep. Mie Prefectural U., Tsu, Japan.
- 1961 Pillai. Descr. ♀ ♂; *Polynemus heptadactylus*, *Rhabdosargus sarba*; Trivandrum (India). p. 91-93; fig. 3A-S. Dep. Marine Biol. Lab., Trivandrum, India.
- 1963 Yamaguti. List. p. 55; pl. 68(fig. 4).
- 1967 Lewis. Comp. with *C. kapuhili*. p. 158-159.
- 1967 Pillai. Brief descr., hosts, distr. p. 1579, 1673, 1674; fig. 40.
- 1968 Lewis. Descr. ♀, hosts, distr.; *Acanthurus olivaceous*; Eniwetok Atoll (Pacific Ocean). p. 71-75; fig. 29a-i, 30a-g.
- C. laticarpus* Shen, 1957**
- 1957 Shen. N. sp. Descr. ♀ ♂; plankton; estuary of Yellow R. (China). p. 351, 354-355, 369, 370; pl. II(fig. 21-36). Dep. type material unknown.
- 1962 Yin. Syn. of *C. orientalis*. p. 41, 42.
- 1963 Yamaguti. List. p. 55; pl. 61(fig. 3).
- 1965 Hwa. Ment. p. 56.

***C. latifrons* Wilson, 1905**

- 1905 Wilson. N. sp. Descr. ♀, key; host ?; Woods Hole area (USA) (see Wilson, 1937a). p. 479, 514, 559, 587–589, 670; pl. XII (fig. 140–149). Holotype dep. USNM, No. 42035.
- 1914a Brian. Comp. with *C. biaculeatus*. p. 4, 6.
- 1926 Oakley. Comp. with *C. zeii*. p. 404.
- 1929 Brian. Comp. with *C. biaculeatus*. p. 6.
- 1937a Wilson. *Cypselurus callopterus*; Charles Is. (Galapagos Is.). p. 27.
- 1950 Wilson. Plankton; Japanese waters, Philippine Is. p. 178–179.
- 1952 Shiino. Comp. with *C. tesseraifer*. p. 91.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1956 Brandes. Comp. with *C. chelifera*, *C. macarovi*, *C. orientalis*, *C. schistonyx*, and *C. arcticus*. p. 172, 173, 175, 178.
- 1960 Causey. *Sphaeroides annulatus*; Guaymas (Pacific coast, Mexico). p. 329.
- 1963 Yamaguti. List. p. 55; pl. 66 (fig. 1).
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1969 Parker. Syn. of *C. elongatus* Nordmann, 1832. p. 1025, 1026.

***C. latigenitalis* Shiino, 1954**

- 1954b Shiino. N. sp. Descr. ♀; *Sparus macrocephalus*; Momotori (Japan). p. 21–25; fig. A–M. Holotype dep. Mie Prefectural U., Tsu, Japan.
- 1954f Shiino. Ment. p. 268.
- 1957 Shen. Comp. with *C. laticarpus*. p. 355.
- 1958 Shen. Comp. with *C. bifurcus*. p. 137, 142.
- 1960a Shiino. Descr. ♀; *Mustelus manazo*, *Rhinobatus schlegelii*; Hamazima (Japan). p. 472–473; fig. 1.
- 1963 Yamaguti. Hosts, distr. p. 55; pl. 60 (fig. 2).
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.

***C. lepeophtheropsis* Pillai, 1967**

- 1967 Pillai. N. sp. Brief descr.; *Pristis* sp.; Kerala (India). p. 1584, 1673; fig. 53.

- 1968b Pillai. Descr. ♀; *Pristis* sp.; Trivandrum (South India). p. 11–13, 35; fig. 2A–K. Holotype dep. Indian Mus. Zool. Survey India, Calcutta.

***C. lepidopi* Richiardi, 1880**

- 1880 Richiardi. N. sp. No descr.; *Lepidopus caudatus*; Italy. p. 148. Dep. type material unknown.
- 1885 Carus. List. p. 359.
- 1902 Poche. List. p. 10.
- 1905 Wilson. Ment. p. 556.
- 1906 Brian. List. p. 46, 128, 176, 181.
- 1935 Brian. List. p. 153, 206, 207.
- 1963 Yamaguti. List. p. 55.
- 1968b Parker. List. under “*nomina nuda* or *species inquiringae*.” p. 364.

***C. leptochilus* Leuckart in Frey and Leuckart, 1847**

- 1847 Frey and Leuckart. N. sp. Descr. ♀; host ?; Helgoland (Germany). p. 158, 165. Dep. type material unknown.
- 1861 Steenstrup and Lütken. Questionable syn. of *C. rapax*. p. 359.
- 1863 Krøyer. Denies syn. of *C. rapax*. p. 147.
- 1864 Nordmann. Questionable syn. of *C. rapax*. p. 468.
- 1866–79 Gerstaecker. List. p. 762, 802.
- 1889 Dalla Torre. List. p. 86.
- 1899 Bassett-Smith. Syn. of *C. rapax*. p. 448.
- 1904 Gadd. Syn. of *C. rapax*. p. 17.
- 1905 Pearson. Syn. of *C. rapax*. p. 24.
- 1905 Wilson. Syn. of *C. rapax*. p. 555, 568.
- 1908b Brian. Syn. of *C. rapax*. p. 97.
- 1912 Brian. Syn. of *C. rapax*. p. 5.
- 1934 Pesta. Syn. of *C. rapax*. p. 19.
- 1935 Brian. Syn. of *C. rapax*. p. 153.
- 1953 Dollfus. Syn. of *C. rapax*. p. 332.
- 1956 Markevich. Syn. of *C. rapax*. p. 126.
- 1963 Yamaguti. Syn. of *C. rapax*. p. 59.
- 1967 Parker and Margolis. Syn. p. 94–96, 98.
- 1967 Silas and Ummerkutty. Syn. of *C. rapax*. p. 898.
- 1968b Parker. List. p. 363.
- 1969 Parker. Not determined if syn. of *C. elongatus* Nordmann, 1832. p. 1025, 1026.

C. lessonius Risso, 1826

- 1826 Risso. N. sp. Descr. ♂; gray dogfish [*Hexanchus griseus*]; Mediterranean (France). p. 134-135. Dep. type material unknown.
- 1885 Carus. Descr. as *C. lessonianus*. p. 359.
- 1905 Wilson. List. as *C. lessonianus*. p. 556.
- 1906 Brian. List. p. 37, 124, 177.
- 1935 Brian. List. as *C. lessonianus*. p. 153, 205, 207.
- 1963 Yamaguti. List. as *C. lessonianus*. p. 55.
- 1968b Parker. List. as transferred to another genus. p. 360, 362.
- 1969 Parker. List. as transferred to another genus. p. 1020.

C. lichiae Brian, 1906

- 1906 Brian. N. sp. for *C. curtus* of Brian, 1898, 1899; descr. ♀ ♂; *Lichia amia*; Genoa and Elba Is. (Italy). p. 36-41, 124, 125, 176, 185, 186; pl. XIV(fig. 1-14), pl. XVI(fig. 8-11). Dep. type material unknown.
- 1935 Brian. Descr. ♀ (previously described ♂ probably young ♀); host and localities as in Brian (1906). p. 152, 153, 167-171, 207; fig. VII(1-14).
- 1954g Shiino. Comp. with *C. triangularis*. p. 148, 149.
- 1960a Shiino. Ment. p. 482.
- 1963 Yamaguti. List. p. 55; pl. 64(fig. 6).
- 1968 Parker et al. Ment. p. 1924.

C. ligatus Lewis, 1964

- 1964 Lewis. N. sp. Descr. ♀ ♂; *Acanthurus dussumieri*, *Naso hexacanthus*; Oahu (Hawaii). p. 164-171; fig. 8a-g, 9a-d. Types dep. USNM; holotype ♂ No. 105107, paratype ♀ No. 105108.
- 1967 Lewis. Descr. ♀ ♂, hosts, distr.; *Dascyllus albisella*, *Aulostomus chinensis*, *Holocentrus xantherythrus*, *Pranesus insularum*; Oahu (Hawaii). p. 163-169, 190, 191; fig. 62a-h, 63a-h, 64a-f. Specimens from *D. albisella* dep. USNM, No. 112933.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- 1968 Lewis. Hosts, distr.; *Holocentrus spinifer*; Eniwetok Atoll (Pacific Ocean). p. 52-53. Dep. USNM, No. 120764.

C. ligusticus Brian, 1906

- 1906 Brian. N. sp. Descr. ♂; *Box salpa*, *Sargus rondeletii*; Genoa and Elba Is. (Italy). *C. fissus* questionable syn. p. 41-42, 124, 125, 175, 178, 186; pl. XV(fig. 1-8). Dep. type material unknown.
- 1924 Brian. *Sargus rondeletii*, *Sargus* sp., *Pagellus mormyrus*; Mauritania. Comp. with *C. vexator*. p. 377, 423, 427; fig. 12.
- 1935 Brian. Descr. ♀ (previously described ♂ proved to be a young ♀), hosts, distr.; *Pagellus mormyrus*, *Pagellus bogaraveo*; Genoa. Comp. with *C. vexator*. p. 152, 153, 179-183, 191, 206, 207; fig. XI(1-15).
- 1960a Shiino. Comp. with *C. laticaudus*. p. 485, 487.
- 1963 Yamaguti. Hosts, distr. p. 55; pl. 67(fig. 1a-h).

C. lobatus Wilson, 1935

- 1935a Wilson. N. sp. Descr. ♀ ♂; *Naucrates ductor*; Atlantic (N of Puerto Rico). p. 1-3, 9; pl. I(fig. 1-10). Types dep. USNM; holotype ♀ No. 64059, paratypes No. 64060.
- 1959b Shiino. Syn. of *C. productus* Dana. p. 14, 31, 32.
- 1963 Yamaguti. List. p. 55.
- 1964 Kirtisinghe. Syn. of *C. productus* Dana. p. 53.
- 1967 Lewis. Syn. of *C. productus* Dana. p. 116, 124.
- 1967 Silas and Ummerkutty. Syn. of *C. productus* Dana. p. 877, 895.

C. lolligunculae Capart, 1941

- 1941 Capart. N. sp. Descr. ♀ ♂; *Lolliguncula mercatoris* [*Cephalopoda*]; Senegal. p. 171, 175-177, 194; fig. 2A-G. Types dep. Mus. Roy. Hist. Nat. Brussels, No. 11553.

C. longiabdominus Shiino, 1965

- 1965a Shiino. N. sp. Descr. ♀ ♂; flying fish; Pacific (off Costa Rica). p. 391-397; fig. 1A-J, 2A-D. Types dep. Mie Prefectural U., Tsu, Japan.

***C. longicaudatus* Brady, 1899**

- 1899 Brady. N. sp. Descr. ♀; free swimming; Port Chalmers (New Zealand). p. 49, 53; pl. XII (fig. 26). Holotype dep. Br. Mus. (Nat. Hist.), No. 1951.8.10.141.
- 1904 Chilton and Thomson. List. p. 273.
- 1963 Hewitt. Renamed *C. vicarius*. p. 61, 62, 64, 114.
- 1966 Cleugh. Rejected *C. vicarius* as new name for *C. longicaudatus* Brady. p. 771-772.
- 1968b Parker. Descr. ♂ from type (not ♀), syn. p. 355-368.
- 1968 Parker et al. Ment. p. 1942, 1945.
- 1972 Hewitt and Hine. List. p. 100, 108.

***C. longicaudatus* Marukawa, 1927**

- 1927 Marukawa. N. sp. Descr. ♀ ♂; sword fishes [*Makaira mitsukurii* and *Xiphias gladius*]; Japan. p. 1243; fig. 2396(1, 2). Dep. type material unknown.
- 1947 Marukawa. Identical with Marukawa (1927). p. 927; fig. 2654.
- 1954j Shiino. Syn. of *Gloiopotes longicaudatus*. p. 273, 276-277.
- 1959e Shiino. Syn. of *G. longicaudatus*. p. 348.
- 1962 Heegaard. Syn. of *G. longicaudatus*. p. 174.
- 1963 Ho. Syn. of *G. longicaudatus*. p. 87.
- 1964b Hewitt. Syn. of *Gloiopotes huttoni*. p. 86.
- 1964 Kirtisinghe. Syn. of *G. longicaudatus*. p. 87.
- 1965b Shiino. Syn. of *G. huttoni*. p. 421.
- 1966 Cleugh. Ment. p. 771-772.
- 1967b Cressey. Syn. of *G. huttoni*. p. 6.
- 1967 Lewis. Syn. of *G. huttoni*. p. 57.
- 1967 Silas and Ummerkutty. Syn. of *G. longicaudatus*. p. 919.

***C. longicaudus* Bassett-Smith, 1898**

- 1898a Bassett-Smith. N. sp. Descr. ♀ ♂; *Trichiurus haumela*, *Chirocentrus dorab*; Bombay Harbour (India). p. 8-9; pl. IV (fig. 1, 2). Types dep. Br. Mus. (Nat. Hist.).
- 1899 Bassett-Smith. Syn. of *C. trichiuri*. p. 453.

- 1905 Wilson. Syn. of *C. trichiuri*. p. 555.
- 1959 Capart. Ment. as *C. longicaudatus*. Does not accept as syn. of *C. trichiuri*. p. 87.
- 1959b Shiino. As *C. longicaudatus* comp. with *C. quadratus*. p. 26.
- 1963 Hewitt. Ment. as *C. longicaudatus*. p. 64.
- 1963b Pillai. Descr. ♀ ♂; *Chirocentrus dorab*; Trivandrum (India). p. 70-71; fig. 2A-Q.
- 1963 Yamaguti. Hosts, distr. p. 55.
- 1964 Kirtisinghe. Descr. ♀; *Chirocentrus dorab*; Colombo market (Ceylon). p. 59; fig. 35.
- 1966 Cleugh. Ment. p. 771.
- 1967 Pillai. Brief descr., host, distr. p. 1591, 1671; fig. 72.
- 1968b Parker. List. p. 363.

***C. longicervicis* Gnanamuthu, 1950**

- 1950b Gnanamuthu. N. sp. Descr. ♀ ♂; *Trichiurus haumela*, *Irona* sp.; Madras (India). p. 115-116; fig. 31-46. Holotype ♀ and allotype ♂ dep. Indian Mus. Zool. Survey India, Calcutta.
- 1963 Yamaguti. List. p. 55; pl. 63 (fig. 3a-f).
- 1964 Kirtisinghe. Descr. ♀; *Trichiurus savalla*; Hikkaduwa (Ceylon). p. 65-66; fig. 57.
- 1964 Lewis. Comp. with *C. ligatus*. p. 171.
- 1967 Pillai. Brief descr., hosts, distr. *C. cunicephalus* of Pillai, 1963 new syn. p. 1583, 1675; fig. 50.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- 1968a Pillai. Syn. *Trichiurus savala*; Trivandrum (South India). p. 125-126; fig. 2A-G.

***C. longipedis* Bassett-Smith, 1898**

- 1898c Bassett-Smith. N. sp. Descr. ♀ ♂; *Caranx melampygus*; Aden. p. 358-361, 371; pl. X (fig. 2a-e, 3a-c). Dep. type material unknown.
- 1899 Bassett-Smith. List. as *C. longipes* [*lapsus*?]. p. 452.
- 1905 Wilson. Ment., key, as *C. longipes*. p. 508, 556.
- 1963 Yamaguti. List. p. 56.

- 1967 Lewis. Descr. ♀ ♂, hosts, distr., syn.; *Caranx melanopygus*; Oahu (Hawaii). *C. amplifurcus* Pearse and *C. lucidus* Heegaard new syn. p. 144–152, 190; fig. 54a–i, 55a–i, 56a–f. Dep. USNM, No. 112915, 112916.
- 1968b Parker. Comp. with *C. longicaudatus* Brady. p. 362.
- C. longipes* Bassett-Smith, 1899**
- 1899 Bassett-Smith. *Lapsus* for *C. longipedis*. p. 452.
- 1905 Wilson. *Lapsus* for *C. longipedis*. p. 508, 556.
- 1967 Lewis. Ment. p. 144.
- C. longirostris* Heegaard, 1962**
- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Physiculus barbatus*, *Platycephalus bassensis*; Tasmania. p. 167–168, 197, 198; fig. 106–115. Dep. type material unknown.
- 1965 Kabata. List. p. 109.
- C. lucidus* Heegaard, 1962**
- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Cantherhines ayraud*; New South Wales. p. 158–160, 197; fig. 54–61. Dep. type material unknown.
- 1965 Kabata. List. p. 109.
- 1967 Lewis. Syn. of *C. longipedis*. p. 145, 150.
- C. lumpi* Krøyer, 1863**
- 1861 Steenstrup and Lütken. Ment. p. 359.
- 1863 Krøyer. N. sp. Descr. ♀; *Cyclopterus lumpus*; Nymindegab and Kattgat (Denmark), Iceland. p. 146–150, 177; pl. II (fig. 2a–f). Types dep. Zool. Mus. U. Copenhagen.
- 1866–79 Gerstaecker. List. p. 766, 802.
- 1869 Olsson. Var. of *C. rapax* of Steenstrup and Lütken, 1861. p. 8.
- 1889 Lönnberg. Ment. p. 148.
- 1894 Timm. Var. of *C. rapax*. p. 396.
- 1896 Olsson. Syn. of *C. rapax*. p. 503.
- 1899 Bassett-Smith. List. p. 449.
- 1904 Gadd. Ment. p. 18, 19.
- 1905 Wilson. Key. p. 557, 559.
- 1912 Brian. Ment. p. 6.
- 1923 Hansen. Syn. of *C. rapax*. p. 29.
- 1934 Pesta. Ment. Syn. of *C. rapax*. p. 19, 21.
- 1953 Dollfus. Syn. of *C. rapax*. p. 332.
- 1963 Yamaguti. List. Syn. of *C. rapax*. p. 56; pl. 63 (fig. 4).
- 1967 Parker and Margolis. Hist., syn. p. 94–97.
- 1967 Silas and Ummerkutty. *C. lumpy* [sic] syn. of *C. rapax*. p. 898.
- 1968b Parker. List. p. 363.
- 1969 Parker. New syn. of *C. elongatus* Nordmann, 1832. p. 1026, 1031.
- C. lunatus* Wilson, 1928**
- 1928b Wilson. N. sp. Descr. ♀ ♂; *Seriola aurovittata*; Red Sea. p. 4–7, 16; pl. 1 (fig. 7–12), 2 (fig. 13–17). Types dep. Riksmus., Stockholm.
- 1936 Yamaguti. Comp. with *C. seriola*. p. 3.
- 1937a Wilson. *Seriola dorsalis*; Bahia Honda (Panama). p. 27, 30; pl. 3 (fig. 5).
- 1939 Yamaguti. Comp. with *C. spinosus*. p. 447.
- 1955b Barnard. Key. *Seriola lalandei*; False Bay (South Africa). p. 8, 99.
- 1960a Shiino. Comp. with *C. spinosus*. p. 482.
- 1963 Yamaguti. List. p. 56.
- C. macarovi* Gussev, 1951**
- 1951 Gussev. N. sp. Descr. ♀ (♂ fig. only); *Auxis maru*, *Spheroides rubripes*, *Cololabis saira*, *Osmerus eperlanus*; Sea of Japan. p. 408–411; fig. 8(1–3), 9(1–12). Types dep. Zool. Inst. Akad. Nauk SSSR, Leningrad.
- 1956 Brandes. Comp. with *C. arcticus*. p. 171, 173, 174, 178; pl. I (fig. 4).
- 1956 Markevich. Descr. ♀, hosts, distr., key. p. 112, 114, 115; fig. 58(1–3).
- 1959c Shiino. Comp. with *C. klawei*. *C. fulvipurpureus* new syn. p. 355, 356.
- 1959d Shiino. Descr. ♀; *Euthynnus lineatus*; Bay of Magdalena (Mexico). p. 277–280; fig. 5A–H, 6A–F.
- 1960d Shiino. Descr. ♀ ♂; *Cololabis saira*; Japan, Kamchatka (USSR). p. 138; pl. 69 (fig. 2a, b).
- 1962 Bykhovskaya-Pavlovskaya et al. Ment. p. 650.

- 1962 Hotta. Path.; *Cololabis saira*; Japan. p. 50–56; fig. 2.
- 1963 Yamaguti. Hosts, distr. p. 56; pl. 66(fig. 3a, b).
- 1964 Bykhovskaya-Pavlovskaya et al. English transl. of Bykhovskaya-Pavlovskaya et al. (1962). p. 768.
- 1964 Nishimura. Path.; *Cololabis saira*; Japan. p. 295–305; pl. XVII(fig. 2, 3).
- 1965a Shiino. Comp. with *C. longiabdominis*. p. 396–397.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr., syn. p. 877, 891–892, 903, 945; fig. 7(1–14).
- 1969 Sokolovsky. *Cololabis saira*; eastern and western North Pacific Ocean. p. 206, 208.
- 1970 Baeva. *Cololabis saira*; southern Kurile Is. (USSR), Japan, Oregon (USA). p. 3, 4.
- 1970 Kabata. Path. p. 68–69.
- 1972 Heegaard. Descr. ♂; free swimming; off San Francisco (USA). p. 295, 296–299; fig. 1–12.
- 1972 Kazachenko et al. Host, distr.; *Cololabis saira*; northwestern Pacific Ocean. Comp. with *C. thyrstitae*. p. 224, 227.

C. macrurus Heller, 1865

- 1865 Heller. N. sp. Descr. ♀; *Labotes erato*; Java. p. 170–172, 261, 265, 271; pl. XV(fig. 2). Dep. type material unknown.
- 1866–79 Gerstaecker. List. p. 768, 795.
- 1905 Wilson. Ment., key. p. 497, 559.
- 1957 Humes. Comp. with genus *Sciaenophilus*. p. 202.
- 1963 Yamaguti. Syn. of *Sciaenophilus macrurus*. p. 66.
- 1968b Parker. List. p. 363.

C. maculatus Heegaard, 1962

- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Scomberomorus queenslandicus*, *Scomberomorus commersonii*; Queensland. p. 157, 158, 172, 197; fig. 45–53. Types dep. Australian Mus., Sydney.
- 1964 Kirtisinghe. Syn. of *C. infestans*. p. 52.

- 1965 Kabata. Syn. of *C. infestans*. p. 109, 119.
- 1967 Pillai. Syn. of *C. infestans*. p. 1586.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr. p. 957, 967–969, 992, 993; fig. 39(10–18).
- 1971 Pillai. Syn. of *C. infestans*. p. 158.

C. malabaricus Pillai, 1961

- 1961 Pillai. N. sp. Descr. ♀; *Tylosurus crocodilus*; Trivandrum (India). p. 109; fig. 13A–P. Types dep. Marine Biol. Lab., Trivandrum, India.
- 1967 Pillai. Brief descr., host, distr. p. 1579, 1675; fig. 41.
- 1970 Cressey and Collette. Hosts, distr.; *Ablettes hians*; Torres Strait (northern Australia). p. 347, 376, 377, 407; fig. 118.

C. mauritanicus Brian, 1924

- 1924 Brian. N. sp. Descr. ♀ ♂; *Sciaena aquila*, *Lichia amia*; var. *minuscule* from *Diagramma mediterraneum*, *Arius heudeloti*, *Pagrus* sp., *Corvina nigra*, *Lichia vadigo*, *Dentex* sp.; var. *temnodontis* from *Temnodon saltator*; Mauritania. p. 380–389, 422, 423, 424, 427; fig. 15–27, 28a–c, 29, 30, 68, 69. Types dep. Mus. Natl. Hist. Nat., Paris.
- 1939 Brian. *Cynoglossus* sp.; var. *minuscule* from *Caranx* sp.; east coast Africa. p. 177–178.
- 1953 Capart. *Apsilus fuscus*; Gorée (Senegal). p. 648, 653.
- 1955a Barnard. List. p. 309, 310.
- 1955b Barnard. Key. *Pomatomus saltator*; False Bay (South Africa). p. 8, 100.
- 1959 Capart. Brief descr. var. *minuscule*; *Caranx angolensis*, *Corvina cameronensis*, *Dentex filiosus*, *Dentex* sp., *Plectorhynchus mediterraneus*, *Pagrus pagrus*, *Polydactylus quadrifilis*, *Trachurus trachurus*, *Trigla lyra*, *Umbrina* sp.; Angola. Comp. with *C. pseudoproductus*. p. 59, 61, 62, 82–83, 85.
- 1959 Ronald. List. p. 51, 55.
- 1962b Nunes-Ruivo. List. p. 4–5, 16, 17, 18, 19, 20, 21.
- 1963 Yamaguti. Hosts, distr. p. 56.

- C. mebachii*** Marukawa, 1927
- 1927 Marukawa. N. sp. Descr. ♀ ♂; mebachi tuna [*Parathunnus sibi*]; Japan. p. 1243; fig. 2395(1, 2). Dep. type material unknown.
- 1947 Marukawa. Identical with Marukawa (1927). p. 926; fig. 2653.
- C. mercatoris*** Capart, 1941
- 1941 Capart. N. sp. Descr. ♀; *Plectorhynchus mediterraneus*, *Trichiurus lepturus*; Spanish W. Africa, French Guinea. p. 171, 180-182, 194; fig. 4A-E. Types dep. Mus. Roy. Hist. Nat., Brussels.
- C. microdontus*** Heegaard, 1964
- 1964 Heegaard. New name for *C. dentatus* Heegaard. p. 319, 320.
- 1965 Kabata. Ment. p. 110.
- 1967 Silas and Ummerkutty. Brief descr. ♀, host, distr. p. 957, 969, 992; fig. 41(1-6).
- C. micropus*** Norman, 1905
- 1905 Norman. Name appears in museum list. No descr. p. 41.
- C. minimus*** Otto, 1821
- 1821 Otto. N. sp. Descr. ♀ ♂; *Perca labrax* [*Morone labrax*]; Mediterranean Sea at Nice. p. 14-15. Dep. type material unknown.
- 1826 Risso. Brief descr. p. 135.
- 1828 Otto. Descr. ♀ ♂. p. 354; pl. XXII(fig. 7, 8).
- 1832 Nordmann. Descr. p. 25-26, 138. List. as *C. minutus* [*lapsus* for *minimus*], p. 29.
- 1835 Burmeister. List. as *C. minutus*. p. 331.
- 1837 Edwards. pl. 77(fig. 2-2b) and captions (as *C. minutus*).
- 1837 Krøyer. List. as *C. minutus*. p. 201.
- 1840 Edwards. Key, descr. as *C. minutus*; "Bars" [*Morone labrax*]; British coast. p. 450.
- 1847 Frey and Leuckart. As *C. minutus*, comp. with *C. leptochilus*. p. 165.
- 1847 Thompson, W. As *C. minutus*; halibut; Belfast (Ireland). p. 247, 249.
- 1850 Baird. Comp. with *C. rapax*. p. 271.
- 1855 Gosse. List. as *C. minutus*. p. 125.
- 1856 Thompson, W. Identical with Thompson (1847). p. 409.
- 1863 Krøyer. As *C. minutus*, comp. with *C. angustatus*. p. 160.
- 1865 Heller. Descr. ♀ ♂ as *C. minutus* (syn. *C. minimus*); *Labrax lupus*; Mediterranean and Adriatic Sea. p. 163-165, 261, 266; pl. XIV(fig. 1, 1a-l).
- 1866 Heller. As *C. minutus* (syn. *C. minimus*), key. p. 751.
- 1866-79 Gerstaecker. List. p. 771, 804.
- 1880 Richiardi. List. as *C. minutus*. p. 148.
- 1880 Stossich. List. as *C. minutus* (syn. *C. minimus*). p. 255.
- 1880 Valle. List. as *C. minutus* (syn. *C. minimus*). p. 58, 85.
- 1885 Carus. Brief descr. ♀ ♂ as *C. minutus* (syn. *C. minimus*). p. 358.
- 1890 Malard. List. as *C. minutus*. p. 76.
- 1896b Bassett-Smith. *Labrax lupus*; Plymouth. p. 156-157.
- 1898a Brian. As *C. minutus* (syn. *C. minimus*). Hosts, distr.; *Labrax lupus*; Genoa. p. 208, 225, 226.
- 1898b Brian. Identical with Brian (1898a). p. 6, 23, 24.
- 1898c Brian. As *C. minutus*. p. 171; fig. 9.
- 1899 Bassett-Smith. List. p. 447.
- 1899c Brian. As *C. minutus*; *Labrax lupus*; Portoferraio (Italy). p. 2, 10.
- 1900 Brian. Identical with Brian (1899c). p. 198, 205.
- 1900 Graeffe. As *C. minutus* (syn. *C. minimus*); *Labrax lupus*; Gulf of Trieste. p. 44.
- 1901 Scott, A. *Labrax lupus*; Barrow Channel (Irish Sea). p. 349; pl. I(fig. 1-8).
- 1904 Scott, A. List. p. 118.
- 1905b Brian. As *C. minutus*, comp. with *C. trachypteri*. p. 4.
- 1905 Norman. List. p. 41.
- 1905 Pearson. List. p. 24.
- 1905b Scott, T. *Labrax lupus*; Firth of Forth (Scotland). p. 109.
- 1905 Wilson. Key. p. 557, 559.
- 1906 Brian. Host, distr. *C. gurnardi* of Brian, 1898a new syn. p. 36-38, 124, 125, 128, 130, 176.
- 1906 Norman and T. Scott. List. p. 205.
- 1906 Scott, T. List. p. 367.
- 1910 Plenk. Anat. of maxillary gland. p. 31, 39-43.
- 1913 Guiart. *Labrax lupus*; Concarneau (France). p. 6.

- 1913 Scott, T., and A. Scott. Descr. ♀ ♂, hosts, distr. p. 30, 46–48; pl. IV(fig. 1, 2); XXV(fig. 11–16).
- 1926 Leigh-Sharpe. List. p. 384.
- 1929 Scott, A. *Labrax lupus*; Caernarvon Bay (Irish Sea). p. 88.
- 1931 Argilas. As *C. minutus*, comp. with *C. pageti*. p. 98, 100, 101; pl. I(fig. 14).
- 1931a Brian. Comp. with *C. argilasi*. p. 119, 120; pl. I(fig. 14).
- 1933a Leigh-Sharpe. List. p. 111.
- 1935 Brian. Descr. ♀ ♂; *Pagellus centro-dontus*, *Umbrina cirrhosa*; var. *mugilis* on *Mugil cephalus*; Genoa, Portoferraio (Italy). p. 152, 153, 158–167, 171, 206, 207; fig. III(1–6), IV(7–12), V(1–6), VI.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Comp. with *C. curtus*, *C. rapax*, and *C. belones*. p. 129, 191; fig. 90A, B.
- 1937 Goulliart. List. as *C. minutus*. p. 323, 355.
- 1943b Heegaard. Hosts, distr.; *Morone labrax* or *Pagellus centrodontus*; Sussex (England). p. 8.
- 1946 Dawes. Ment. p. 121.
- 1950a Delamare Deboutteville. *Labrax lupus*; Banyuls (Mediterranean, France). p. 306.
- 1950b Delamare Deboutteville. List. p. 362.
- 1953 Dollfus. *C. curtus* of Brian, 1906 new syn. p. 329.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1954i Shiino. Comp. with *C. glandifer*. p. 156.
- 1956 Dawes. Identical with Dawes (1946).
- 1956 Markevich. Descr. ♀ ♂, hosts, distr., key. p. 112, 124–125; fig. 64(5, 6).
- 1959c Shiino. Comp. with *C. klawei*. p. 356.
- 1960c Shiino. Comp. with *Caligus* sp. ♂. p. 546.
- 1961 Baer and Euzet. *Labrax lupus*; Sète (France). p. 249, 254; fig. 151, 160.
- 1963 Yamaguti. Hosts, distr. p. 56; pl. 65(fig. 1a–c).
- 1964 Kirtisinghe. Comp. with *C. platurus*. p. 61.
- 1968b Parker. List. p. 366. As *C. minutus* Krøyer. p. 363.
- 1968 Parker et al. Ment. p. 1924.
- 1969 Hamond. *Morone labrax*; North Sea. p. 229.
- 1969 Parker. Comp. with *C. elongatus* Nordmann. p. 1020.
- C. minutus* Otto; Krøyer; Nordmann; Edwards**
- See *C. minimus* Otto, 1821.
- C. minutus* Pillai, 1963**
- 1963b Pillai. N. sp. Descr. ♀; *Chiloscyllium indicum*; Trivandrum (India). p. 87–89; fig. 13A–K. Holotype dep. Indian Mus. Zool. Survey India, Calcutta.
- 1967 Pillai. Syn. of *C. chiloscyllii* nom. nov. p. 1590.
- C. mirabilis* Leigh-Sharpe, 1934**
- 1934b Leigh-Sharpe. N. sp. Descr. ♀; *Balistes flavomarginatus*; Kapul Is. (Philippines). p. 22–25; fig. 20. Dep. type material unknown.
- 1959d Shiino. Comp. with unidentified *Caligus* ♂. p. 293.
- 1963 Yamaguti. List. p. 56; pl. 62(fig. 4).
- C. molvae* (Leach, 1819) Edwards, 1837**
- 1837 Edwards. *Caligus molvae* n. comb. for *Risculus molvae* Leach, 1819. pl. 77(fig. 3) and caption.
- 1905 Wilson. *C. molvae* Latreille, 1825 [sic] syn. of *Lepeophtheirus molvae*. p. 555.
- 1963 Yamaguti. List. as “*C. molvae* Latreille, 1825, in Wilson (1905, p. 555).” p. 56.
- 1968b Parker. List. p. 362.
- 1969 Parker. List. p. 1020.
- C. monacanthi* Krøyer, 1863**
- 1863–64 Krøyer. N. sp. Descr. ♂; *Monacanthus* sp.; West Indies. p. 133–134, 173–174, 413; pl. III(fig. 2a–e). Holotype dep. Zool. Mus. U. Copenhagen.
- 1866–79 Gerstaecker. List. p. 759, 797.
- 1898b Bassett-Smith. Comp. with *C. arii*. p. 82.
- 1899 Bassett-Smith. List. p. 450.
- 1905 Wilson. Key. Syn. (?) of ♀ *C. productus* Dana. p. 497, 560, 607–608.
- 1913 Wilson. Syn. (?) of *C. productus* Dana. p. 220.
- 1929 Brian. Ment. p. 4.

- 1937b Wilson. Descr. ♀ ♂; *Sarda* sp.; Panama Bay. Not syn. of *C. productus*. p. 424-426; fig. 6-19. One ♀, 1 ♂ dep. USNM, No. 69867.
- 1959b Shiino. Syn. of *C. productus* Dana; ♀ *C. monacanthi* of Wilson, 1937 syn. of *C. productus* Dana; ♂ *C. monacanthi* of Wilson, 1937 syn. of *C. quadratus*. p. 8, 14, 30-32.
- 1963 Yamaguti. List. Syn. p. 56, 58, 59.
- 1964 Kirtisinghe. Syn. of *C. productus* Dana. p. 53.
- 1966 Kabata and Gussev. *C. monacanthi* of Wilson, 1937 syn. of *C. quadratus*. p. 157.
- 1967 Lewis. *C. monacanthi* Krøyer and ♀ and ♂ of Wilson, 1937 syn. of *C. productus* Dana. p. 116, 124.
- 1967 Silas and Ummerkutty. *C. monacanthi* Krøyer, 1863, *C. monacanthi* ♀ of Wilson, 1937 syns. of *C. productus* Dana; *C. monacanthi* ♂ of Wilson, 1937 syn. of *C. quadratus*. p. 877, 895, 897.
- 1968b Parker. List. p. 363.
- C. mordax* Leigh-Sharpe, 1934**
- 1934b Leigh-Sharpe. N. sp. Descr. ♀; host and locality unknown. p. 24, 26; fig. 21. Dep. type material unknown.
- 1963 Yamaguti. List. p. 56; pl. 70(fig. 3).
- C. mortis* Kensley, 1970**
- 1970 Kensley. N. sp. Descr. ♀; free swimming; South West Africa. p. 167-172; fig. 1a-f, 2a-h. Types dep. South African Mus. (holotype No. A12708, one paratype No. A12709) and State Mus. Windhoek (one paratype No. N.C.220).
- C. mülleri* Leach, 1816**
- 1816 Leach. N. sp. No descr. Common cod; Scotland. p. 405; pl. XX(fig. 1-8). Dep. type material unknown.
- 1819 Leach. List. p. 536.
- 1824 Johnston. Descr. ♀ ♂; cod; Scotland. p. 292-294; pl. VII(fig. 12-14).
- 1825 Desmarest. Comp. with *C. piscinus*. p. 342; pl. 50(fig. 4-4e).
- 1829 Latreille. List. p. 197.
- 1832 Nordmann. Descr. ♀; *Gadus callarias*, *Gadus aeglefinus*. Possible syn. of *C. curtus*. p. 17, 23-24, 26, 29, 31, 138.
- 1835 Burmeister. List. p. 331.
- 1836 Cuvier. Identical with Latreille (1829). p. 251.
- 1837 Edwards. Identical with Latreille (1829). p. 262.
- 1837 Krøyer. Syn. of *C. curtus*. p. 201, 622.
- 1840 Edwards. Comp. with *C. minutus*. p. 450-451.
- 1843 Rathke. Syn. of *C. curtus*. p. 98.
- 1850 Baird. Descr. ♀ ♂; cod, brill, plaice, *Merlangus pollachius*, *Merlangus vulgaris*, *Rhombus vulgaris*, *Gadus aeglefinus*, *Mugil chelo*; Belfast: *Coregonus pollan*; Lough Neagh. p. 271-272, 278, 279; pl. XXXII(fig. 4, 5).
- 1850 White. List. p. 119.
- 1855 Gosse. List. p. 125.
- 1856 Thompson, W. List. p. 409, 410.
- 1857 White. Brief descr. ♀ ♂. p. 313.
- 1861 Steenstrup and Lütken. Syn. of *C. curtus*. p. 353.
- 1863 Wood. Ment. p. 639, 640; fig. B.
- 1866-79 Gerstaecker. List. p. 761, 762, 763, 764, 769, 773, 802.
- 1869 Olsson. Syn. of *C. curtus*. p. 6.
- 1873 Verrill. Syn. of *C. curtus*. p. 575.
- 1874 Verrill and Smith. Identical with Verrill (1873). p. 281.
- 1886 Thompson, I. C. *Cyclopterus lumpus*, thornback [*Raja clavata*]; Liverpool Bay (Irish Sea). p. 207.
- 1891 Scott, T. Unspecified host; Firth of Forth. p. 305.
- 1894 Timm. Syn. of *C. curtus*. p. 396.
- 1896a Bassett-Smith. Ment. p. 9.
- 1896b Bassett-Smith. *Trigla gurnardus*, poor-cod [*Gadus minutus*]; Plymouth. p. 157.
- 1896 Olsson. Syn. of *C. curtus*. p. 502.
- 1899 Bassett-Smith. Syn. of *C. curtus*. p. 447.
- 1900 Scott, T. Syn. of *C. curtus*. p. 148.
- 1903 Scourfield. Syn. of *C. curtus*. p. 540.
- 1904 Gadd. Syn. of *C. curtus*. p. 16.
- 1905 Pearson. Syn. of *C. curtus*. p. 24.
- 1905 Wilson. Syn. of *C. curtus*. p. 555, 578.
- 1906 Brian. Syn. of *C. curtus*. p. 35, 36.
- 1906 Norman and T. Scott. Syn. of *C. curtus*. p. 205.
- 1906 Scott, T. Syn. of *C. curtus*. p. 366.
- 1913 Scott, T., and A. Scott. Syn. of *C. curtus*. p. 45.
- 1913 Stephenson. Syn. of *C. curtus*. p. 345.
- 1929 Brian. Syn. of *C. curtus*. p. 3.

- 1945 Heegaard. Syn. of *C. curtus*. p. 5.
 1947 Heegaard. Syn. of *C. curtus*. p. 31.
 1953 Dollfus. Syn. of *C. curtus*. p. 328.
 1956 Markevich. Syn. of *C. curtus*. p. 120.
 1963 Yamaguti. Syn. of *C. curtus*. p. 48.
 1964 Kirtisinghe. Syn. of *C. curtus*. p. 62.
 1968b Parker. List. p. 363.
 1968 Parker et al. Syn. of *C. curtus*. p. 1923, 1925, 1929.
 1969 Parker. Syn. of *C. curtus*. p. 1020.

***C. multispinosus* Shen, 1957**

- 1957 Shen. N. sp. Descr. ♀; *Stromateoides argentus*; Kwangtung (China). Comp. with *C. nibeae*. p. 351, 355-357, 369, 370-371, 372; pl. III(fig. 37-48). Dep. type material unknown.
 1961 Pillai. Descr. ♀ ♂; *Pampus argenteus*; Trivandrum (South India). p. 89-91; fig. 2A-T.
 1963 Yamaguti. List. p. 57; pl. 66(fig. 5).
 1964 Kirtisinghe. *C. multispinosus* of Pillai, 1961 syn. of *C. diaphanus*. p. 56.
 1967 Pillai. Brief descr., distr. *C. multispinosus* of Pillai, 1961 not syn. of *C. diaphanus*. p. 1585, 1673; fig. 57.
 1967 Silas and Ummerkutty. Ment. p. 967.
- 1913 Sumner et al. Local hosts, distr. p. 641.
 1914a Brian. Comp. with *C. biaculeatus*. p. 6.
 1924 Brian. Comp. with *C. mauritanicus*. p. 383.
 1929 Brian. Identical with Brian (1914a). p. 7.
 1932a Wilson. Brief descr. ♀ ♂, key. p. 398, 406; fig. 253.
 1936 Bere. *Narcine brasiliensis*, *Trachinotus carolinus*; Gulf of Mexico. p. 582.
 1936 Yamaguti. Comp. with *C. epinepheli*. p. 4.
 1937a Wilson. *Scomberomorus maculatus*; Pacific coast of Mexico. p. 27.
 1941 Capart. Comp. with *C. hemiconiati*. p. 175.
 1948 Pearse. *Sciaenops ocellatus*; Beaufort (North Carolina). p. 127.
 1952 Pearse. Comp. with *C. sciaenops*. p. 19.
 1955 Causey. *Trachinotus carolinus*; Port Aransas (Texas). p. 4.
 1959b Shiino. Comp. with *C. quadratus*. p. 27.
 1959 Yamaguti and Yamasu. Comp. with *C. hoplognathi*. p. 118.
 1960 Causey. *Balistes* sp., *Calamus brachysomus*, *Centropomus* sp. *Chaetodipterus zonatus*, *Euthynnus pelamis*, *Menticirrhus undulatus*, *Mugil cephalus*, *Paralabrax clathratus*, *Paralabrax maculatofasciatus*, *Paralabrax nebulifer*, *Sarda chiliensis*, *Scomberomorus sierra*, *Selene oerstedii*; Gulf of California and Pacific coast of Mexico. p. 329.

***C. muraenae* Shiino, 1960**

- 1960a Shiino. *Lapsus* for *Lepeophtheirus muraenae* n. sp. fig. 7, 8.

***C. murrayanus* Scott, 1894**

- 1894 Scott, T. N. sp. Descr. ♀; plankton; Loanda Harbour (Gulf of Guinea). p. 129-130; pl. XIV(fig. 19). Dep. type material unknown.
 1899 Bassett-Smith. List. p. 450.
 1905 Willson. Ment., key. p. 493, 494, 508, 514, 556, 560, 573-576, 669; text fig. 2;
 1963 Yamaguti. List. p. 57.
 1968b Parker. List. p. 365.
- 1961 Pillai. Comp. with *C. indicus*. p. 103.
 1963 Yamaguti. Hosts, distr. p. 57; pl. 68(fig. 2a, b).
 1964 Kirtisinghe. Ment. p. 57.
 1965a Shiino. Ment. p. 403.
 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr. p. 877, 892-893, 903, 945, 946, 947; fig. 8(1-13).

***C. nanus* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; cod, haddock; Hornbaek (Denmark). p. 160-163, 180, 412; pl. II(fig. 4a-h). Types dep. Zool. Mus. U. Copenhagen.
 1866-79 Gerstaecker. List. p. 762, 802, 1309; pl. X(fig. 3).
 1869 Olsson. List. p. 10.

***C. mutabilis* Wilson, 1905**

- 1905 Rathbun, M. J. List. p. 90, appendix p. 8.
 1905 Wilson. N. sp. Descr. ♀ ♂; *Centropristes striatus*, sea bass, pollock, bonito; Woods Hole (USA). p. 479, 494, 508, 514, 556, 560, 573-576, 669; text fig. 2;

- 1888 Leidy. *Lutjanus blackfordi*; Florida. Possibly *C. nanus*. p. 138-139.
- 1899 Bassett-Smith. List. p. 447.
- 1905 Wilson. Ment., key. p. 508, 557, 559.
- 1963 Yamaguti. List. p. 57; pl. 64(fig. 2a, b). [*Belone vulgaris* from the Atlantic is listed as a host; source of this record is unknown.]
- 1965 Parker. Syn. of *C. gurnardi*. p. 96, 97, 102.
- 1968b Parker. List. p. 363.
- C. nautili* Willey, 1896**
- 1896 Willey. N. sp. No descr. or figures. *Nautilus* sp.; New Guinea. p. 145. Dep. type material unknown.
- 1900 Stebbing. Syn. of *Anchicaligus nautili* (Willey) n. comb. p. 668, 670.
- 1968b Parker. List. p. 363.
- C. nengai* Rangnekar, Rangnekar and Murti, 1953**
- 1953 Rangnekar, M. P., P. G. Rangnekar, and Murti. N. sp. Descr. ♀; *Arius nenga*; Bombay. p. 47-52; fig. 1-13. Types dep. Indian Mus. Zool. Survey India, Calcutta.
- 1963 Yamaguti. List. p. 57.
- C. nibeae* Shen, 1957**
- 1957 Shen. N. sp. Descr. ♀; *Nibeae diacanthus*; Kwanghai (China). p. 351, 358, 369, 372; pl. V(fig. 61-73). Dep. type material unknown.
- 1963 Yamaguti. Syn. of *Sciaenophilus nibeae* (Shen) n. comb. p. 66.
- C. nordmannii* Edwards, 1837**
- 1837 Edwards. N. sp. pl. 77(fig. 1-1g) and captions. Types dep. Mus. Natl. Hist. Nat., Paris.
- 1840 Edwards. Descr. ♀; mole (*Mola mola*); Nice (France). p. 455.
- 1847 Thompson, W. *Gadus morrhua*; Belfast (Northern Ireland). p. 248, 249.
- 1850 Baird. Syn. of *Lepeophtheirus nordmannii* (Edwards) n. comb. p. 275.
- 1850 White. Syn. of *L. nordmannii*. p. 120.
- 1856 Thompson, W. *Orthogoriscus mola*; coast of Antrim (Northern Ireland). *C. nordmannii* of Thompson (1847) syn. of *C. mulleri*. p. 410.
- 1865 Heller. Syn. of *L. nordmannii*. p. 180.
- 1880 Stossich. Syn. of *L. nordmannii*. p. 256.
- 1880 Valle. Syn. of *L. nordmannii*. p. 59.
- 1885 Carus. Syn. of *L. nordmannii*. p. 359.
- 1890 Malard. Syn. of *L. nordmannii*. p. 100.
- 1899 Bassett-Smith. Syn. of *L. nordmannii*. p. 454.
- 1900 Graeffe. Syn. of *L. nordmannii*. p. 44.
- 1900 Scott, T. Syn. of *L. nordmannii*. p. 151.
- 1905 Rathbun, M. J. Syn. of *L. nordmannii*. p. 91.
- 1905 Pearson. Syn. of *L. nordmannii*. p. 26.
- 1905 Wilson. Syn. of *L. nordmannii*. p. 555, 623.
- 1906 Brian. Syn. of *L. nordmannii*. p. 47.
- 1912 Brian. Syn. of *L. nordmannii*. p. 7.
- 1913 Scott, T., and A. Scott. Syn. of *L. nordmannii*. p. 66.
- 1932a Wilson. Syn. of *L. nordmannii*. p. 411.
- 1956 Markevich. Syn. of *L. nordmannii*. p. 137.
- 1957 Shiino. Syn. of *L. nordmannii*. p. 359.
- 1958 Stuardo. Syn. of *L. nordmannii*. p. 5, 7.
- 1961 Stuardo and Fagetti. Syn. of *L. nordmannii*. p. 55.
- 1968b Parker. List. p. 363.
- 1971a Hewitt. Syn. of *L. nordmannii*. p. 323, 329.
- C. novocaledonicus* Kabata, 1968**
- 1968 Kabata. N. sp. Descr. ♀ ♂; *Lethrinus miniatus*; New Caledonia. p. 1-9; fig. 1A-J, 2A-J, 3A-E. Types dep. Br. Mus. (Nat. Hist.); holotype ♀ No. 1966.4.28.1, allotype ♂ No. 1966.4.28.2, paratype ♂ No. 1966.4.28.3.
- C. oblongus* Abildgaard, 1794**
- 1794 Abildgaard. N. sp. Descr. ♀; sturgeon; locality not stated. p. 49, 52-54; pl. V(fig. 4-11). Dep. type material unknown.
- 1837 Krøyer. Syn. of *Dichelestium sturionis*. p. 303.
- 1840 Edwards. Syn. of *D. sturionis*. p. 485.
- 1851a van Beneden. Syn. of *D. sturionis*. p. 96.
- 1880 Valle. Syn. of *D. sturionis*. p. 64.
- 1890 Malard. Syn. of *D. sturionis*. p. 75.

- 1905 Wilson. Syn. of *Dichelestium oblongum*. p. 555.
- 1906 Brian. Syn. of *D. sturionis*. p. 67.
- 1906 Norman and T. Scott. Syn. of *D. oblongum*. p. 215.
- 1913 Scott, T., and A. Scott. Syn. of *D. oblongum*. p. 106.
- 1922a Wilson. Syn. of *D. oblongum*. p. 2, 3, 86.
- 1932a Wilson. Syn. of *D. oblongum*. p. 478.
- 1937 Markevich. Syn. of *D. oblongum*. p. 89.
- 1956 Markevich. Syn. of *D. oblongum*. p. 156.
- 1968b Parker. List. p. 362.
- 1969 Parker. List. p. 1020.
- C. obovatus* Heegaard, 1962**
- 1962 Heegaard. N. sp. Descr. ♂; *Scomberomorus queenslandicus*, *Scomberomorus commersoni*; N. Queensland. p. 166-167, 197; fig. 91-105. Types dep. Australian Mus., Sydney.
- 1965 Kabata. List. p. 109.
- 1967 Silas and Ummerkutty. Brief descr. ♂, host, distr. p. 957, 972, 973, 992, 993; fig. 43(1-7).
- C. obscurus* Baird in Bassett-Smith, 1896**
- 1896a Bassett-Smith. Figured "*Caligus obscurus* Baird." p. 16; pl. IV(fig. 2).
- 1899 Bassett-Smith. Syn. of *Lepeophtheirus obscurus* Baird, 1850. p. 456.
- 1900 Scott, T. Syn. of *L. obscurus*. p. 153.
- 1905 Pearson. Syn. of *L. obscurus*. p. 25.
- 1905 Wilson. Probably syn. of *Lepeophtheirus thompsoni*. p. 555, 615.
- 1906 Norman and T. Scott. *Nec L. obscurus* Baird, 1850; possibly syn. of *Lepeophtheirus appendiculatus* Krøyer. p. 208.
- 1913 Scott, T., and A. Scott. Identical with Norman and Scott (1906).
- 1959b Shiino. Comp. with *C. quadratus*. p. 26.
- 1968b Parker. List. p. 363.
- C. oligoplitisi* Carvalho, 1956**
- 1956 Carvalho. N. sp. Descr. ♀; *Oligoplitisi saliens*; Pereque R. (Brazil). p. 15-19; fig. 1-15. Types dep. Inst. Oceanogr., U. São Paulo.
- 1960a Shiino. Comp. with *C. laticaudus*. p. 485, 486.
- C. olsoni* Pearse, 1953**
- 1953b Pearse. N. sp. Descr. ♀ ♂; *Leuresthes tenuis*; California (USA). p. 332-333; fig. 1-16. Types dep. USNM; ♀ No. 93733, ♂ No. 93734.
- 1963 Yamaguti. List. p. 57; pl. 72(fig. 1a-g).
- 1972 Olson. *Leuresthes tenuis*; southern California (USA), Baja California (Mexico). p. 1201.
- C. orientalis* Gussev, 1951**
- 1951 Gussev. N. sp. Descr. ♀ ♂; *Mugil so-iuy*, *Limanda aspera*, *Hyporhamphus sajori*, *Hexagrammus octogrammus*, *Sebastes taczanowskii*, *Leuciscus brandti*; Putyatın Is. and Khanton Bay (USSR Far East). p. 395, 411-414; fig. 10(1-12), 11(1-12). Types dep. Zool. Inst. Akad. Nauk SSSR, Leningrad.
- 1956 Brandes. Comp. with *C. arcticus*. p. 172, 173, 174, 179; pl. I(fig. 1).
- 1956 Markevich. Descr. ♀ ♂, hosts, distr. p. 112, 115-116; fig. 59(1, 2).
- 1959d Shiino. Comp. with *C. rugosus*. p. 272.
- 1959e Shiino. Comp. with *C. punctatus*. p. 336.
- 1962 Bykhovskaya-Pavlovskaya et al. Ment. p. 650.
- 1962 Yin. Hosts, distr.; *Mugil so-iug*; lower reaches Liao R. (China). *C. laticarpus*, *C. communis* (♀ only) new syns. p. 41, 42; fig. 6A, B.
- 1963 Yamaguti. Hosts, distr. p. 57; pl. 68(fig. 1a, b).
- 1964 Bykhovskaya-Pavlovskaya et al. English transl. of Bykhovskaya-Pavlovskaya et al. (1962). p. 768.
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1965 Hwa. Descr. ♀ ♂, l.h., hosts, distr., syn.; *Tilapia mossambica*; fish ponds of Amoy Fishery Res. Inst. (China). *C. communis* ♂ new syn. p. 48-58; text fig. 1, 2; pl. I(fig. 1-19), II(fig. 20-25), III(fig. 26-57), IV(fig. 58-87).
- 1965 Kabata. Comp. with *C. willungae*. p. 123.
- 1966 Margolis and Parker. *C. japonicus* new syn. p. 311.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 3.
- 1972a Kabata. Comp. with *C. clemensi*. p. 1591, 1592.

***C. ornatus* Edwards, 1840**

- 1840 Edwards. N. sp. Descr. ♀; host unknown; Valparaiso (Chile). p. 455. Types dep. Mus. Natl. Hist. Nat., Paris.
- 1849 Nicolet. Brief descr. p. 301.
- 1899 Bassett-Smith. Syn. of *Lepeophtheirus ornatus* (Edwards, 1840) n. comb. p. 455.
- 1905 Wilson. "*C. ornatus* Nordmann, 1832" syn. of *L. ornatus*. p. 555.
- 1958 Stuardo. Syn. of *Lepeophtheirus nordmannii*. p. 5, 6, 7.
- 1961 Stuardo and Fagetti. Syn. of *L. nordmannii*. p. 55.
- 1963 Yamaguti. List. as *C. ornatus* Nordmann, 1832 in Wilson, 1905. p. 57.
- 1968b Parker. List. p. 363.
- 1971a Hewitt. Syn. of *L. nordmannii*. p. 323, 329.

***C. oviceps* Shiino, 1952**

- 1952 Shiino. N. sp. Descr. ♀ ♂; *Siganus fuscus*; Seto and Yamada (Wakayama and Mie Prefectures, respectively, Japan). p. 84-88; fig. 3A-C, 4A-K. Types dep. Mie Prefectural U., Tsu, Japan.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1954e Shiino. Comp. with *C. brevis*. p. 183.
- 1955a Shiino. Comp. with *C. punctatus*. p. 139, 140.
- 1956 Carvalho. Comp. with *C. oligoplitisi*. p. 17.
- 1957 Fukui. List. p. 57.
- 1959d Shiino. Comp. with *C. rugosus*. p. 272.
- 1959e Shiino. *Pseudupeneus chrysopleuron*, *Goniistius quadricornis*, *Leptoscarus japonicus*, *Monacanthus setifer*, *Lethrinus haematopterus*, *Girella punctata*, *Salarias enosimae*, *Salarias stellifer*, *Teuthis fuscus*; Shirahama and Ooshima (Wakayama and Mie Prefectures, respectively, Japan). p. 335-336.
- 1963 Yamaguti. Hosts, distr. p. 57.
- 1964 Lewis. Comp. with *C. flexispina* and *C. kalumai*. p. 156, 177, 178.
- 1972 Uchida. List. p. 420.

***C. pacificus* Gissler, 1883**

- 1883 Gissler. N. sp. Descr. ♀; salmon; Puget Sound (Washington, USA). p. 885-887; fig. 1-10. Dep. type material unknown.
- 1902 Poche. List. p. 11.
- 1903 Bassett-Smith. List. p. 108.
- 1905 Wilson. Syn. of *Lepeophtheirus pacificus* (Gissler) n. comb. p. 555, 642.
- 1968b Parker. List. p. 363.

***C. pagelli* Delamare Deboutteville and Nunes-Ruivo, 1958**

- 1958 Delamare Deboutteville and Nunes-Ruivo. N. sp. Descr. ♀, *Pagellus erythrinus*; Mediterranean coast of France. p. 220-223; fig. 5a-f. Dep. type material unknown.
- 1963 Yamaguti. List. p. 57.
- 1964 Larrañeta. List. p. 140.

***C. pageti* Russell, 1925**

- 1925 Russell. N. sp. Descr. ♀ ♂; *Mugil capito*; Egypt. p. 611-618; pl. XXXIII (fig. 1-10), XXXIV(11-18), XXXV(19-26). Dep. type material unknown.
- 1927 Gurney. Ment. p. 482.
- 1931 Argilas. Descr. ♀ ♂, l.h.; *Mugil auratus*; Algeria. p. 95-106; pl. I (fig. 1-13), text fig. 1-7.
- 1931b Brian. *C. argilasi* new syn. p. 157.
- 1934 Gurney. Ment. p. 178, 180.
- 1935 Brian. Descr. ♀ ♂, hosts, distr., syn. p. 152, 153, 171-173; fig. VIII(1-9).
- 1947 Heegaard. Ment. p. 28, 43, 99.
- 1949 Kurian. Comp. with *C. pterois*. p. 194.
- 1952 Kurian. Comp. with *C. russellii* and *C. rufimaculatus*. p. 4-6, 13.
- 1953 Dollfus. Ment. p. 332.
- 1959d Shiino. Comp. with *C. rugosus*. p. 272.
- 1963 Yamaguti. List., syn. p. 49, 57.
- 1964a Hewitt. Ment. p. 157.
- 1966 Sindermann. Ment. p. 59.
- 1969 Izawa. Comp. with *C. centrodoni*, *C. curtus*, *C. rapax* and *C. spinosus*. p. 153, 154.
- 1970 Sindermann. Ment. p. 314.
- 1971b Hewitt. Comp. with *C. epidemicus*. p. 160.
- 1971 Raibaut et al. *Mugil cephalus*, *Mugil (Liza) auratus*, *Mugil (Liza) labrosus*, *Mugil (Liza) ramada*; Mediterranean Sea (coast of Tunisia). p. 172.

C. pagri Capart, 1941

- 1941 Capart. N. sp. Descr. ♀; *Pagrus ehrenbergii*, *Sparus aurata*; Gambia and south of Garnet Head (west coast of Africa). p. 171, 178-180, 194; fig. 3A-E. Types dep. Mus. Roy. Hist. Nat., Brussels, No. I.G. 10910.

C. pagrosomi Yamaguti, 1939

- 1939 Yamaguti. N. sp. Descr. ♀; *Pagrosomus unicolor*; Tarumi (Japan). p. 445, 483; pl. XIV(fig. 1-3). Dep. type material unknown.
1956 Fukui. List. p. 48.
1957 Fukui. List. p. 57.
1963 Yamaguti. List. p. 57; pl. 71(fig. 1a-c).
1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
1968 Lewis. Comp. with *C. alaihi*. p. 70.

C. paradoxus Otto, 1828

- 1828 Otto. N. sp. Descr. ♀ ♂; *Squalus griseus*; Nice. p. 352-354; pl. XXII(fig. 5, 6). Dep. type material unknown.
1835 Burmeister. Syn. of *Dinematura sexsetacea*. p. 285, 331.
1837 Krøyer. Syn. of *D. sexsetacea*. p. 202.
1840 Edwards. Possibly a member of *Nogagus*. p. 460.
1853 Gerstaecker. Syn. of *Nogagus productus*. p. 61, 64.
1861 Steenstrup and Lütken. Hist., syn. p. 373, 377.
1865 Heller. Syn. of *Demoleus paradoxus* (Otto) n. comb. p. 199, 200.
1885 Carus. Syn. of *D. paradoxus*. p. 361.
1899 Bassett-Smith. Syn. of *D. paradoxus*. p. 460.
1905 Pearson. Syn. of *D. paradoxus*. p. 26.
1905 Wilson. Syn. of *D. paradoxus*. p. 555.
1906 Brian. Syn. of *D. paradoxus*. p. 50.
1907 Wilson. ♂ syn. of *D. paradoxus*. p. 349, 376, 379, 441, 446, 457.
1913 Scott, T., and A. Scott. Syn. of *D. paradoxus*. p. 79.
1943 Dollfus. Hist. Syn. of *Demoleus heptapus*. p. 1, 2, 3, 6.
1966a Lewis. Syn. of *D. heptapus*. p. 111.
1967a Cressey. Syn. of *D. heptatus* [sic]. p. 46.
1968b Parker. List. p. 362.
1969 Parker. List. p. 1020.

C. parvus Bassett-Smith, 1898

- 1898a Bassett-Smith. N. sp. Descr. ♀ ♂; *Tetrodon oblongus*; Bombay (India). p. 5, 15; pl. II(fig. 1, 2). Types dep. Br. Mus. (Nat. Hist.).
1899 Bassett-Smith. List. p. 446.
1905 Wilson. Key. p. 557, 558, 559.
1924a Wilson. Grouper; Conway Bay (Galapagos Is.). p. 211.
1948 Barnard. Comp. with *C. tetrodontus*. p. 246.
1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
1954e Shiino. Comp. with *C. brevis*. p. 183.
1954i Shiino. Comp. with *C. glandifer*. p. 156.
1955a Barnard. Comp. with *C. tetrodontus*. p. 250.
1963 Yamaguti. Hosts, distr. p. 57.
1964b Rangnekar, P. G., and Murti. Syn. of *Pseudocaligus parvus* (Bassett-Smith) n. comb. p. 43.
1967 Pillai. Brief descr., hosts, Indian distr. p. 1592-1594, 1674, 1675; fig. 78.
1968b Parker. List. p. 363.
1971 Pillai. Syn. of *P. parvus*. p. 166.

C. patulus Wilson, 1937

- 1937b Wilson. N. sp. Descr. ♀; *Chanos* sp.; Panama Bay. p. 426-427; fig. 1-19. Holotype dep. USNM, No. 69869.
1954a Shiino. Comp. with *C. calotomi*. p. 19.
1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
1963 Yamaguti. List. p. 57; pl. 77(fig. 4a-e).

C. pauliani Nunes-Ruivo and Fourmanoir, 1956

- 1956 Nunes-Ruivo and Fourmanoir. N. sp. Descr. ♂; *Sphyræna commersonii*; Madagascar. p. 73-74; fig. 4a-c. Dep. type material unknown.
1963 Yamaguti. List. p. 57; pl. 75(fig. 2).

C. paxillifer Yamaguti, 1954

- 1954 Yamaguti. N. sp. Descr. ♀; *Chorinemus moadetta*; Celebes. p. 378, 383-386, 397; pl. III(fig. 26, 27), IV(fig. 28-32). Dep. type material unknown.
1963 Yamaguti. List. p. 57; pl. 74(fig. 4a-c).
1968a Pillai. Comp. with *C. annularis*. p. 128.

***C. pectinatus* Shiino, 1965**

1965a Shiino. N. sp. Descr. ♀; *Eopsetta jordani*; San Diego (California, USA). p. 403-408; fig. 5A-F, 6A-H. Dep. type material unknown.

***C. pectoralis* (Müller, 1788) Krøyer, 1837**

1837 Krøyer. N. comb. fig. caption, p. 628; pl. VI (fig. 4A, 4B(a-e), 4C).

1838 Krøyer. Descr. ♀ ♂; *Platessa flesus*, *Rhombus maximus*; Denmark. p. 8-11, 15, 18, 19, 30.

1840 Edwards. Brief descr. ♀ ♂, hosts. p. 454-455.

1843-45 Krøyer. List. p. 275, 444.

1847 Frey and Leuckart. List. p. 158.

1847 Thompson, W. *Platessa flesus*, *Platessa limanda*, *Solea vulgaris*, *Scomber scombrus*, *Zeus faber*, *Conger vulgaris*; Belfast (Northern Ireland). p. 247-248, 249.

1850 Baird. Syn. of *Lepeophtheirus pectoralis*. p. 275.

1850 White. Syn. of *L. pectoralis*. p. 120.

1853 Dana. Comp. with *Lepeophtheirus bagri*. p. 1358.

1856 Thompson, W. Identical with W. Thompson (1847). p. 410.

1861 Steenstrup and Lütken. Brief descr. Comp. with *C. branchialis*. p. 355, 362, 363.

1864 Claus. Anat. p. 365-369, 382; pl. XXXIII (fig. 1, 2).

1880 Valle. Syn. of *Lepeophtheirus pectoralis*. p. 59.

1885 Carus. Syn. of *L. pectoralis*. p. 359.

1889 Dalla Torre. List. p. 86.

1899 Bassett-Smith. Syn. of *L. pectoralis*. p. 454.

1900 Graeffe. Syn. of *L. pectoralis*. p. 44.

1905 Pearson. Syn. of *L. pectoralis*. p. 25.

1905 Wilson. Syn. of *L. pectoralis*. p. 555.

1906 Brian. Syn. of *L. pectoralis*. p. 47.

1913 Scott, T., and A. Scott. Syn. of *L. pectoralis*. p. 64.

1923 Hansen. Syn. of *L. pectoralis*. p. 30.

1947 Heegaard. Syn. of *L. pectoralis*. p. 103.

1956 Markevich. Syn. of *L. pectoralis*. p. 135.

1968b Parker. List. p. 362.

***C. pelagicus* Kurian, 1955**

1955 Kurian. N. sp. Descr. ♀ ♂; plankton; Kayamkulam (India). p. 103-107; fig. 1-18. Types dep. Indian Mus. Zool. Survey India, Calcutta.

1965a Shiino. Comp. with *C. pectinatus*. p. 408.

1967 Pillai. Brief descr. p. 1595; fig. 82.

***C. pelamydis* Krøyer, 1863**

1863-64 Krøyer. N. sp. Descr. ♀; *Pelamys sarda*. p. 124-126, 171, 413; pl. IV (fig. 4a-g). Types dep. Zool. Mus. U. Copenhagen.

1866-79 Gerstaecker. List. p. 767, 804.

1880 Richiardi. *Pelamys sarda*, *Scomber scomber*; Italy. p. 148.

1882 Valle. *Pelamys sarda*; Adriatic. p. 245.

1885 Carus. Brief descr. ♀, hosts, distr. p. 357-358.

1899 Bassett-Smith. List. p. 452.

1899c Brian. Hosts, distr.; *Pelamys sarda*; Portoferraio (Italy). p. 2, 9.

1900 Brian. Identical with Brian (1899c). p. 198, 205.

1900 Graeffe. List. p. 44.

1905 Rathbun, M. J. *Scomber scomber*; Massachusetts (USA). p. 91, appendix p. 8.

1905 Wilson. Hist., descr. ♀, key; *Gymnosarda pelamys*; USA (? Atlantic). Comp. with *C. thymni*. p. 480, 497, 514, 559, 560, 594-597, 604, 605, 670.

1906 Brian. Hosts, distr. p. 43, 125, 128, 130, 178, 181.

1906 Norman and T. Scott. *Scomber scombrus*; Plymouth (England). *C. scomberi* new syn. p. 206.

1907 Wilson. Ment. p. 393.

1910 Brady. Unknown host; Simon's Bay (South Africa). p. 502, 504, 588, 589; fig. LXIX(2).

1910 Stebbing. List. p. 558.

1913 Guiart. *Pelamys sarda*; Bay of Concarneau (France). p. 7.

1913 Scott, T., and A. Scott. Descr. ♀ ♂, hosts, distr., syn. p. 30, 57-59; pl. VII (fig. 2, 3), IX (fig. 1-5), LXXI (fig. 14).

1913 Sumner et al. Local hosts, distr. p. 641.

1923 Monod. *Scomber scomber*; Guilvinec (France). p. 2-3.

1926 Leigh-Sharpe. List. p. 384.

- 1929 Scott, A. Mackerel; Walney, Caernarvon Bay, Cardigan Bay (Wales). p. 89-90.
- 1932a Wilson. Brief descr. ♀, distr., key; *Gymnosarda pelamis*; Woods Hole (USA). p. 398, 406-407; fig. 254a, b.
- 1933a Leigh-Sharpe. List. p. 111.
- 1934a Leigh-Sharpe. *Pelamys sarda*; St. Austell Bay (England). p. 112.
- 1935 Brian. Descr. ♀, hosts, distr., syn. p. 152, 153, 183-188, 207; fig. XII(1-8), XIII(9-11).
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, hosts, distr.; comp. with *C. centrodonti*, *C. gurnardi*, *C. brevicaudatus*, *C. diaphanus*, *C. zeii*, and *C. labracis*. p. 133, 134, 192; fig. 96.
- 1936 Yamaguti. Comp. with *C. seriola*. p. 3.
- 1937 Goulliart. *Scomber scombrus*; Wimereaux (France). p. 323, 325.
- 1940 Legendre. Ment. p. 284.
- 1943b Heegaard. Distr.; *Pelamys sarda*; Mediterranean. p. 5. Dep. Riksmus., Stockholm, No. 6153.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 24.
- 1953a Causey. *Pogonias cromis*, *Scomberomorus cavalla*; Grand Isle (Louisiana). Comp. with *C. bennetti*. p. 4, 5, 13.
- 1953b Causey. *Pogonias cromis*, *Scomberomorus cavalla*, *Sarda sarda*; Texas coast. p. 10.
- 1953a Pearse. Comp. with *C. amplifurcus*. p. 201.
- 1954 Schäperclaus. List. p. 212.
- 1955a Barnard. Brief descr. ♀, hosts, distr., key. p. 244, 245-246.
- 1955b Barnard. Key. *Thyrsites atun*, *Trigla capensis*; False and Table bays (South Africa). p. 8, 99.
- 1955 Causey. *Scomberomorus cavalla*; Veracruz (Mexico) and Port Aransas (Texas); *Scomberomorus maculatus*, *Pogonias cromis*; Port Aransas (Texas). p. 4-5.
- 1955a Reshetnikova. Brief descr. ♀, hosts, distr.; *Sarda sarda*; Black Sea. p. 97, 102-103; fig. 6.
- 1955b Reshetnikova. List. p. 121.
- 1956 Markevich. Brief descr. ♀ ♂, hosts, distr., syn., key. p. 6, 112, 125, 126; fig. 7.
- 1956 Nunes-Ruivo. Hosts, distr.; *Sarda sarda*; Baía Farta and Region of Luanda (Angola). p. 10-11, 12; fig. 1a.
- 1959 Capart. Hosts, distr. off Africa; *Pomatomus saltatrix*; Tiger Bay (West Africa). Comp. with *C. alalongae*. p. 59, 62, 78, 83; fig. 15a, b.
- 1959b Shiino. Comp. with *C. coryphaenae*. p. 26.
- 1959 Stock. *Brama raii*; North Sea. p. 43.
- 1960 Causey. *Scomberomorus cavalla*; Veracruz (Mexico). p. 329.
- 1961 Noble, E. R., and G. A. Noble. fig. VII-15.
- 1962b Nunes-Ruivo. List. p. 5, 17.
- 1963 Hewitt. Descr. ♀, syn.; *Thyrsites atun*; Cape Turakerae (New Zealand). p. 61, 78-83, 114; fig. 6(1-10).
- 1963 Yamaguti. Hosts, distr. p. 58; pl. 78(fig. 6a-c).
- 1964 Noble, E. R., and G. A. Noble. fig. XVI-13.
- 1965a Shiino. Descr. ♀ ♂; *Trachurus symmetricus*; San Diego (California). p. 408-414; fig. 7A-M, 8A-K.
- 1967 Lewis. Descr. ♀, hosts, distr., syn.; *Euthynnus yaito*; Hawaii. p. 138-144, 192; fig. 52a-k, 53a-g.
- 1967 Silas and Ummerkutty. Brief descr. ♀ ♂, hosts, distr. p. 877, 894-895, 903, 945, 946; fig. 9(1-11).
- 1968b Parker. List. p. 365.
- 1969 Hamond. *Scomber scombrus*; North Sea. p. 229.
- 1972 Hewitt and Hine. List. p. 98, 108.
- 1972 Kazachenko et al. As *C. pelamidis*. Hosts, distr.; *Scomber diego*, *Thyrsites atun*, *Seriolella maculata*; Baja California (Mexico), Bass Strait (Australia), west coast of New Zealand. Comp. with *C. thyrstitae*. p. 224-225, 227.

***C. petersii* Richiardi, 1880**

- 1880 Richiardi. N. sp. No descr.; *Carcharias lamia*; Italy. p. 148. Dep. type material unknown.
- 1885 Carus. List. p. 359.
- 1902 Poche. List. p. 10.
- 1905 Wilson. List. p. 556.
- 1906 Brian. List. p. 46, 128, 175, 181.
- 1935 Brian. List. p. 153, 206.
- 1963 Yamaguti. List. p. 58.
- 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

C. pharaonis Nordmann, 1832

- 1832 Nordmann. N. sp. Descr. ♀; *Chryso-phrys* (*Chaetodon*) *bifasciatus*; Red Sea. p. 28–29, 138. Types dep. Zool. Mus. Humboldt U., Berlin, No. 919.
- 1835 Burmeister. List. p. 331.
- 1837 Krøyer. List. p. 201.
- 1840 Edwards. Brief descr. ♀; *Chaetodon*; Red Sea. p. 453–454.
- 1866–79 Gerstaecker. List. (Locality incorrectly cited as Mediterranean.) p. 768, 804.
- 1885 Carus. Brief descr. ♀. p. 357.
- 1905 Wilson. Key. Syn. of *Lepeophtheirus pharaonis* (Nordmann, 1832) n. comb. p. 555, 560.
- 1906 Brian. List. p. 45, 128, 181.
- 1935 Brian. List. p. 153, 205.
- 1957 Humes. Ment. p. 202.
- 1963 Yamaguti. Syn. of *L. pharaonis*. p. 76.
- 1965 Humes. Syn. of *Sciaenophilus pharaonis* (Nordmann, 1832) n. comb. p. 1009.
- 1968b Parker. List. p. 362.
- 1969 Parker. Syn. of *S. pharaonis*. p. 1020.

C. phipsoni Bassett-Smith, 1898

- 1898a Bassett-Smith. N. sp. Descr. ♀ ♂; *Cybium guttatum*; Bombay (India). p. 7–8, 16; pl. III (fig. 3, 4). Types dep. Br. Mus. (Nat. Hist.).
- 1899 Bassett-Smith. List. p. 449.
- 1905 Wilson. Key. p. 558, 559, 561.
- 1912 Wilson. *Polynemus tetradactylus*; Java. Comp. with *C. irritans*. p. 238–239; pl. 32 (fig. 22), 33 (fig. 23–27). Dep. USNM, No. 42304.
- 1923 Wilson. *Plectropoma cyanostigma*; Sydney (Australia). p. 5.
- 1954g Shiino. Comp. with *C. triangularis*. p. 148, 149.
- 1963b Pillai. Brief descr. ♀ ♂; *Polynemus plebeius*; Trivandrum (India). p. 68–69; fig. 1A–L.
- 1963 Yamaguti. Hosts, distr. p. 58; pl. 78 (fig. 1a–d).
- 1967 Pillai. Brief descr. p. 1589, 1673; fig. 67.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.
- 1968b Parker. List. p. 365.

C. piscinus (Linné, 1761) Linné, 1788

- 1788 Linné. N. comb. List., syn. *C. arctus* [*lapsus* for *C. curtus*] new syn. p. 3007.
- 1814 Leach. Brief descr., syn. *C. curtus* syn. p. 388.
- 1818 Lamarck. List., syn. Incorrectly cites Latreille (1802) as having used the name *C. piscinus*. p. 141.
- 1818 Say. Cod; Atlantic coast USA. p. 437.
- 1825 Desmarest. Descr. p. 340–342.
- 1829 Latreille. *C. curtus* and *Monoculus piscinus* syn. p. 197.
- 1829–43 Guérin Méneville. pl. 35 (fig. 2a–f).
- 1830 Leach. Identical with Leach (1814).
- 1832 Leach. List. p. 226.
- 1832 Nordmann. Ment. p. 24.
- 1835 Burmeister. List. p. 284, 331.
- 1836 Cuvier. Identical with Latreille (1829). p. 251.
- 1837 Edwards. Identical with Latreille (1829). p. 262.
- 1837 Krøyer. A composite species, in part syn. of *C. curtus*. p. 201, 622.
- 1840 Edwards. Ment. p. 456.
- 1841 Gould. Cod and other deep-water fishes; Massachusetts (USA). p. 340.
- 1842 Goodsir. L.h. p. 192; pl. III (fig. 19–24).
- 1844 DeKay. List. p. 58.
- 1850 White. Br. Mus. specimens of *C. diaphanus* labelled *C. piscinus*. p. 119.
- 1851a van Beneden. *C. piscinus* of Guérin Méneville syn. of *C. gracilis*. p. 90.
- 1854 Cuvier. List. p. 446, 447, 674; fig. 25, 25a, 25b.
- 1873 Verrill. *C. piscinus* of Gould probably syn. of *C. curtus*. p. 575.
- 1874 Verrill and Smith. Identical with Verrill (1873). p. 281.
- 1885 Carus. *C. piscinus* of Guérin Méneville syn. of *Lepeophtheirus gracilis*. p. 359.
- 1890 Malard. *C. piscinus* of Guérin Méneville syn. of *L. gracilis*. p. 95.
- 1898a Brian. *C. piscinus* of Guérin Méneville syn. of *L. gracilis*. p. 8.
- 1900 Graeffe. *C. piscinus* of Guérin Méneville syn. of *L. gracilis*. p. 44.
- 1901 Whiteaves. *C. piscinus* of Gould, 1841 probably a syn. of *C. curtus*. p. 216.
- 1905 Wilson. List. p. 555.
- 1906 Brian. *C. piscinus* of Guérin Méneville syn. of *Lepeophtheirus thompsoni*. p. 46.
- 1934 Pesta. *C. piscinus* of Edwards, 1840 syn. of *L. thompsoni*. p. 26.

- 1963 Yamaguti. *C. piscinus* of Guérin Méneville syn. of *L. thompsoni*. p. 77.
 1968b Parker. List. p. 362, 363.
 1968 Parker et al. In part syn. of *C. curtus*. p. 1923.
 1969 Holthuis. *C. piscinus* of Say, 1818 syn. of *C. curtus*. p. viii.
 1969 Parker. List. p. 1020.

***C. platessae* van Beneden, 1871**

- 1871 van Beneden. N. sp. No descr. *Platessa vulgaris*; coast of Belgium. p. 75.
 1890 Malard. List. p. 93.
 1905 Wilson. List. p. 556.
 1963 Yamaguti. List. p. 58.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

***C. platurus* Kirtisinghe, 1964**

- 1964 Kirtisinghe. N. sp. Descr. ♀ ♂; *Caranx* sp., *Caranx melampygus*; Hik-kaduwa (Ceylon). p. 61-62, 127; fig. 38-48. Types dep. Fish. Dept., Colombo, Ceylon.
 1967 Pillai. Brief descr., hosts, distr. p. 1581, 1671; fig. 48.
 1968 Pillai. Descr. ♀; *Caranx* sp.; Trivandrum (India). p. 128-129; fig. 4A-J.
 1970 Pillai. Comp. with *C. confusus* and *C. cordyla*. p. 267.

***C. platytarsis* Bassett-Smith, 1898**

- 1898b Bassett-Smith. N. sp. Descr. ♀; *Mugil* sp.; Muscat (Persian Gulf). p. 83-85; pl. IV (fig. 2-2e). Types dep. Br. Mus. (Nat. Hist.).
 1899 Bassett-Smith. List. as *C. platytarsi*. p. 450.
 1905 Wilson. Ment., key, as *C. platytarsi*. p. 504, 508, 560.
 1955 Rangnekar, M. P. As *C. platytarsus* comp. with *C. bombayensis*. p. 58.
 1963 Yamaguti. List. p. 58.
 1965 Kabata. As *C. platytarsus* comp. with *C. bombayensis*. p. 112.
 1967 Pillai. Brief descr., hosts, distr. Comp. with *C. rotundigenitalis*. *C. bombayensis* new syn. p. 1592, 1594, 1672, 1673; fig. 79.
 1968b Parker. List. p. 365.

- 1971 Pillai. Descr. ♀ from Bassett-Smith's (1898b) collection. p. 152-154; fig. 9-23. Dep. Br. Mus. (Nat. Hist.), No. 98.12.2.

***C. polycanathi* Gnanamuthu, 1950**

- 1949 Gnanamuthu. Ment. p. 194.
 1950a Gnanamuthu. N. sp. Descr. ♀ ♂, l.h.; *Balistes maculatus*; Madras (India). p. 159-170; fig. 1a, b, 2a-e, 3a-e, 4a-h, 5a-h, 6. Types dep. Indian Mus. Zool. Survey India, Calcutta.
 1950b Gnanamuthu. Ment. p. 114.
 1954h Shiino. Comp. with *C. fulvipurpureus*. p. 152-153.
 1959c Shiino. Comp. with *C. klawei*. p. 355, 356.
 1959d Shiino. Comp. with *C. rugosus*. p. 272, 293.
 1959e Shiino. Descr. ♀ ♂; *Balistes fuscus*; Toba (Japan) and Indian Ocean; *Echeneis* sp.; Bay of Bengal (India). p. 338-342; fig. 2A-G, 3A-K.
 1963 Yamaguti. Hosts, distr. p. 58.
 1966 Kabata and Gussev. Comp. with *C. sensilis*. p. 161.
 1966 Ho. Descr. ♂ chalimus ♀, hosts, distr.; *Aleuterus scriptus*; Keelung (Formosa). *C. canthidermis* new syn. p. 163-171, 177; fig. 1-19.
 1967 Daniel and Rao. *Canthidermis maculatus*; Indian Ocean. p. 582-583.
 1967 Pillai. Brief descr., host, distr. p. 1591, 1671; fig. 74.
 1967 Silas and Ummerkutty. Ment. p. 892.
 1968 Parker et al. Ment. p. 1942.

***C. praetextus* Bere, 1936**

- 1936 Bere. N. sp. Descr. ♀ ♂, l.h.; *Reniceps tiburo*, *Raja eglanteria*, *Amphotistius say*, *Pteroplatea maclura*, *Stoasodon narinari*, *Galeichthys felis*, *Mugil curema*, *Centroponus undecimalis*, *Lutianus synagris*, *Orthopristis chrysopterus*, *Lagodon rhomboides*, *Bairdiella chrysura*, *Menticirrhus americanus*, *Eugerres plumieri*, *Chaetodipterus faber*, *Echeneis naucrates*; Gulf of Mexico. p. 583-586; pl. 3 (fig. 36-70), 4 (fig. 71-76). Types dep. USNM, No. 69861 (1 ♀, 1 ♂).
 1952 Pearse. *Galeichthys felis*, *Lutianus griseus*; Texas coast. Comp. with *C. sciaenops*. p. 15, 19.

- 1953a Causey. Hosts [after Bere (1936) with some alterations in Latin names]; *Caranx hippos*; Grand Isle (Louisiana). p. 5-6. 1788 Linné. List. p. 3007.
1794 Abildgaard. List. p. 49, 54.
1802 Bosc. List. *Monoculus salmoneus* syn. p. 198.
- 1953b Causey. *Galeichthys felis*, *Lagodon rhomboides*, *Cynoscion nebulosus*; Texas coast. p. 10. 1802 Latreille. List. p. 15, 372; pl. XXXI (fig. 2).
1814 Leach. Brief descr.; cod. p. 388.
- 1953a Pearse. *Dasyatis sabina*, *Mugil cephalus*; Alligator Harbor (Florida). p. 201. 1815 Tilesius. Descr. ♀. Syn. of *C. curtus*. p. 358, 359-365; pl. VIII (fig. 3, 4).
- 1954g Shiino. Comp. with *C. triangularis*. p. 148, 149. 1816 Risso. Descr.; grey dogfish; Nice (France). p. 161-162.
- 1955 Causey. *Bagre marina*; Port Aransas (Texas). p. 5. 1818 Lamarck. List. p. 141-142.
1821 Otto. *C. productus* of Risso, 1816 possible syn. of *C. heptapus*. p. 15.
- 1957 Rangnekar, M. P. Comp. with *C. dasyaticus*. p. 18. 1824 Johnston. Ment. p. 294.
- 1963 Yamaguti. Hosts, distr. *Chrysophrys aurata* from Genoa apparently an erroneous listing. p. 58; pl. 73 (fig. 2a, b). 1825 Maremont. Not a *Caligus*. p. 342-343.
1829 Latreille. Assigned to *Dinemoura* n. gen. p. 198.
1830 Bosc. List. p. 64, 388.
- 1964 Lewis. Comp. with *C. ligatus*. p. 171. 1830 Leach. Identical with Leach (1814). p. 388.
1965a Shiino. Comp. with *C. pectinatus*. p. 408. 1832 Leach. Identical with Leach (1814). p. 226.
1832 Nordmann. Syn. of *Binoculus productus*. p. 38.
1835 Burmeister. Hist. Syn. of *Dinematura producta*. p. 284-285, 294, 331.
- C. priacanthi* Pillai, 1961**
- 1961 Pillai. N. sp. Descr. ♀; *Priacanthus hamrur*; Trivandrum (India). p. 104-107; fig. 11A-P. Type material dep. Marine Biol. Lab., Trivandrum, India. 1836 Cuvier. Identical with Latreille (1829). p. 251.
1837 Edwards. Identical with Latreille (1829). p. 263.
- 1964 Pillai. Comp. with *C. hamruri*. p. 63. 1838 Krøyer. Hist. Accepts as type of *Dinematura*. p. 46-48.
1840 Edwards. Belongs to *Dinemoura*. p. 465.
- C. proboscoidatus* Heegaard, 1962**
- 1962 Heegaard. N. sp. Descr. ♂; *Scomberomorus queenslandicus*, *Scomberomorus commerson*; North Queensland. Comp. with *C. obovatus*. p. 161, 166, 167; fig. 68-74. Spelled *probosci* on p. 197. Types dep. Australian Mus., Sydney. 1843-45 Krøyer. Müller's (1785) *C. productus* from salmon considered to be *C. salmonis*. p. 580.
1850 Baird. Ment. p. 267.
1853 Gerstaecker. Syn. of *Nogagus productus*. p. 61, 64, 68.
1854 Cuvier. Belongs to *Dinemoura*. p. 447.
1856 Thompson, W. Unspecified host; North of Ireland, Belfast Bay (Ireland). p. 409.
- 1965 Kabata. List. p. 109. 1861 Steenstrup and Lütken. Syn. of *Dinematura producta*. p. 358, 370, 372, 373, 374.
1865 Heller. Ment. p. 200.
1885 Carus. Syn. of *Dinematura producta*. p. 361.
- C. productus* Müller, 1785**
- 1785 Müller. N. sp. Descr. ♀; *Squalus* sp., salmon; locality not specified (? Denmark). "Hemorlaus" and *Binoculus salmoneus* syn. p. 132-134; pl. XXI (fig. 3, 4). Dep. type material unknown. 1890 Malard. Syn. of *Dinematura producta*. p. 64.
1898a Brian. Ment. p. 205.
1898b Brian. Identical with Brian (1898a). p. 3.

- 1899 Bassett-Smith. ?Syn. of *Demoleus paradoxus*; syn. of *Dinematura producta*. p. 460, 463.
- 1900 Scott, T. Syn. of *Dinematura producta*. p. 156.
- 1901b Scott, T. Syn. of *Dinematura producta*. p. 124.
- 1905 Pearson. Questionable syn. of *Demoleus paradoxus*. p. 26.
- 1906 Brian. Syn. of *Dinematura producta*. p. 52.
- 1907 Wilson. Syn. of *Dinematura producta*. p. 374, 375, 376, 380, 381, 382, 441.
- 1913 Scott, T., and A. Scott. Syn. of *Dinematura producta*. p. 86.
- 1943 Dollfus. Not identical with *Demoleus heptapus*. p. 1, 3, 6, 8.
- 1944 Brian. Syn. of *Dinematura producta*. p. 202.
- 1945 Heegaard. Syn. of *Dinematura producta*. p. 15.
- 1947 Heegaard. Syn. of *Dinematura producta*. p. 21.
- 1956 Markevich. Syn. of *Dinematura producta*. p. 149.
- 1962 Heegaard. Syn. of *Dinematura producta*. p. 177.
- 1963 Yamaguti. Syn. of *Dinematura producta*. Synonymy, hosts, and localities cited pertain to *C. productus* Dana, 1852, nec *C. productus* Müller, 1785.
- 1968b Parker. List. p. 362.
- 1969 Parker. Ment. p. 1018, 1020.
- C. productus* Dana, 1852**
- 1852 Dana. N. sp. Descr. ♀; *Thynnus pelamys*; Atlantic Ocean (27°N, 19°30'W). p. 56. Type material lost.
- 1853 Dana. Descr. ♀. p. 1354-1355.
- 1855 Dana. pl. 94(fig. 4a, b).
- 1861 Steenstrup and Lütken. Descr. ♀; "barracuda"; Atlantic Ocean (30°N, 76°W). Recognizes homonym of *C. productus* Müller, 1785. p. 352, 354, 357-358, 360, 429; pl. III(fig. 6).
- 1863-64 Krøyer. Descr. ♀ ♂; *Coryphaena*; Atlantic Ocean (20°N). p. 138-141, 175, 413; pl. III(fig. 4a-i).
- 1866 Heller. Comp. with *C. diaphanus*. p. 752, 753.
- 1866-79 Gerstaecker. List. p. 767, 800.
- 1883 Gissler. Ment. p. 886.
- 1885 Rathbun, R. *Coryphaena* sp.; Atlantic Ocean (38°19'26''N, 68°20'20''W). p. 487.
- 1889 Lönnberg. Unspecified host; Balearic Is. (Mediterranean Sea). p. 149, 157. Dep. Upsala Zool. Mus.
- 1898a Bassett-Smith. Comp. with *C. longicaudus*. p. 8.
- 1898b Bassett-Smith. Comp. with *C. cossackii*. p. 85.
- 1898a Brian. *Chrysophrys aurata*; Genoa (Italy). p. 208-209, 225. Dep. Mus. Zool. R. Univ. Genova.
- 1898b Brian. Identical with Brian (1898a). p. 6-7, 23.
- 1899 Bassett-Smith. *Coryphaena*, *Balistes*; West Indies. p. 452. [Source of records unknown.]
- 1904 Chilton and Thomson. Unspecified host; New Zealand. p. 273.
- 1905 Wilson. Descr. ♀ ♂, hosts, distr., key. *C. scombri* [sic] Bassett-Smith new syn. Comp. with *C. bonito*. p. 480, 497, 506, 555, 560, 594, 597-601, 604, 605, 607, 670; pl. XIV(fig. 162-170).
- 1906 Brian. Brief descr. ♀, hosts, distr. p. 42, 124, 175, 181.
- 1910 Gadd. Comp. with *C. glacialis*. p. 5, 7.
- 1913 Wilson. Hosts, distr. in West Indies. p. 208, 220. [Some earlier records cited incorrectly.]
- 1924 Brian. Comp. with *C. mauritanicus*. p. 382.
- 1926 Leigh-Sharpe. *Scomber scombrus*; Plymouth. *C. scomberi* new syn. p. 384.
- 1929 Brian. Ment. p. 4.
- 1933a Leigh-Sharpe. List. p. 111.
- 1935 Brian. List. Comp. with *C. affinis*. Record (Brian, 1898a) from *Chrysophrys aurata* considered doubtful. p. 152, 194, 195, 204, 206.
- 1935b Wilson. Free swimming; Newport (California). p. 777.
- 1936 Yamaguti. Comp. with *C. katuwo*. p. 8.
- 1940 Legendre. Ment. p. 284.
- 1952 Pearse. *Scomberomorus cavalla*, *Elops saurus*, *Sarda sarda*, *Coryphaena hippurus*; Texas. p. 15.
- 1953a Causey. Hosts; *Coryphaena hippurus*, *Scomberomorus cavalla*; Grand Isle (Louisiana). Comp. with *C. bennetti*. p. 4, 6, 13.
- 1953b Causey. *Scomberomorus maculatus*; Texas coast. p. 10.
- 1955 Causey. *Coryphaena hippurus*, *Pogonias cromis*; Mississippi. p. 5.

- 1959 Capart. Brief descr. ♀ ♂; *Coryphaena hippurus*; west coast Africa (3°02'S, 9°53'E). *C. coryphaenae* of Yamaguti, 1936 new syn. *C. productus* of Wilson, 1905 and *C. productus* of Krøyer, 1863, *partim*, syn. of *C. pseudoproductus*. p. 59, 61, 81, 83-84; fig. 16a-e.
- 1959b Shiino. Descr. ♀ ♂, hosts, distr., syn.; *Katsuwonus pelamis*, *Coryphaena hippurus*; Hamajima (Japan): *Auxis thazard*, *Neathunnus albacora*, *Coryphaena hippurus*; eastern Pacific Ocean (18°24'N-24°55'N, 104°38'W-113°18'W). *C. katuwo*, *C. lobatus*, *C. monacanthi*, *C. monacanthi* ♀ of Wilson, 1937 new syns. *C. productus* ♀ of Wilson, 1905 syn. of *C. quadratus*. p. 1, 2, 8, 14-20, 26, 27-31, 32; fig. 6A-K, 7A-I, 8A-D.
- 1959d Shiino. L.h. *Polydactylus (Polynemus) opercularis*; eastern Pacific Ocean (21°26'N, 106°06'W). p. 267, 293, 297-300; fig. 13A-H.
- 1959e Shiino. *Neothunnus albacora*, *Katsuwonus pelamis*, *Thunnus thynnus*; Owase, Tsu, Hamajima (Japan). p. 334-335.
- 1960 Causey. *Calanus brachysomus*, *Centroponus* sp., *Coryphaena* sp., *Coryphaena hippurus*, *Katsuwonus vagans*, *Lutianus* sp., *Paralabrax clathratus*, *Paralabrax maculatofasciatus*, *Scomberomorus sierra*, *Seriola dorsalis*, *Sphyræna argentea*, *Verrunculus polylepis*; unidentified sea bass, free swimming; Gulf of California and Pacific coast of Mexico. p. 329.
- 1960a Shiino. *Katsuwonus pelamis*; Hamajima (Japan). p. 471.
- 1963 Hewitt. Doubts the occurrence of this species in New Zealand. p. 61, 62, 65, 114.
- 1963 Shiino. Brief descr. ♀ ♂; *Katsuwonus* sp.; Pacific Ocean (0°12'N, 80°27'W). p. 335-336.
- 1963 Yamaguti. Syn. Confuses with *C. productus* Müller, 1785. p. 54, 56, 58, 59; pl. 73(fig. 3a-g).
- 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr., syn. p. 53-54, 127; fig. 25, 26.
- 1965a Shiino. L.h. *Katsuwonus pelamis*, eastern Pacific Ocean. p. 414-417; fig. 9A-L.
- 1966 Kabata and Gusev. *C. productus* of Wilson, 1905 syn. of *C. quadratus*. p. 157.
- 1967 Lewis. Descr. ♀ ♂, hosts, distr., syn.; *Katsuwonus pelamis*, *Neothunnus macrop-terus*, *Auxis thazard*, *Euthynnus yaito*; Hawaii. Comp. with *C. bonito* and *C. quadratus*. *C. productus* of Rathbun, 1884 and of Wilson, 1905 syns. of *C. quadratus*. p. 93, 109, 116-124, 131, 191, 192; fig. 43a-h, 44a-g, 45a-g.
- 1967 Pillai. Brief descr., hosts, distr. p. 1583, 1671, 1672; fig. 51.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr., syn. *C. productus* ♀ of Wilson, 1905 syn. of *C. quadratus*. Measurements comp. with those of other *Caligus* species from scombroid fishes. p. 877, 895-897, 898, 903, 945, 946, 947; fig. 10(1-17).
- 1968 Lewis. *Sarda orientalis*; Eniwetok Atoll (Pacific Ocean). p. 50-51.
- 1968b Parker. List. p. 364.
- 1971 Baudin Laurencin. *Thunnus albacares*; Gulf of Guinea. p. 13.
- 1971 Kabata and Hewitt. Ment. p. 1146.
- 1972 Heegaard. Free swimming; Caribbean Sea, Pacific coast of Central America, North Pacific Ocean, Andaman Sea, coast of Brazil. p. 296.
- 1972 Hewitt and Hine. List. p. 87, 108.
- C. pseudokalumai* Lewis, 1968**
- 1968 Lewis. N. sp. Descr. ♀; *Gymnosarda nuda*; Eniwetok Atoll (Pacific Ocean). p. 59-64; fig. 24a-i, 25a-g. Holotype dep. USNM, No. 120765.
- C. pseudoproductus* Capart, 1959**
- 1959 Capart. Nom. nov. for *C. productus* of Wilson, 1905 and *C. productus* Krøyer, 1863, *partim*. Brief descr. ♀ ♂; *Coryphaena hippurus*; Ambriz (southwest coast of Africa). p. 59, 61, 84, 85; fig. 17a-g.
- 1962b Nunes-Ruivo. List. p. 5, 17.
- C. pterois* Kurian, 1949**
- 1949 Kurian. N. sp. Descr. ♀ ♂, l.h.; *Pterois russellii*; India. p. 193-194. Dep. type material unknown.
- 1963 Yamaguti. List. p. 59.
- 1968b Parker. Ment. p. 362.

***C. punctatus* Shiino, 1955**

- 1955a Shiino. N. sp. Descr. ♀ ♂; *Triborodon hakonensis*, *Triakis scyllium*, *Spheroides vermicularis*, *Acanthogobius flavimanus*, *Liza menada*; Matusima Bay (Japan). p. 135-140; fig. 1A, B, 2A-J, 3A-F. Dep. type material unknown.
- 1957 Fukui. List. p. 57.
- 1957 Shen. Comp. with *C. communis*. p. 354.
- 1959d Shiino. Comp. with *C. rugosus*. p. 272.
- 1959e Shiino. *Leuciscus hakonensis*; Asamushi (Japan). p. 336.
- 1963b Pillai. Comp. with *C. russellii*. p. 80.
- 1963 Yamaguti. Hosts, distr. p. 59; pl. 76(fig. 4a, b).
- 1964c Hewitt. Comp. with *C. buechlerae*. p. 129.
- 1964 Lewis. Comp. with *C. kalumai*. p. 177, 178.

***C. quadratus* Shiino, 1954**

- 1954c Shiino. N. sp. Descr. ♀; *Neothynnus macropterus*; Simakatu (Mie Prefecture, Japan). p. 26-29; fig. A-K. Holotype dep. Mie Prefectural U., Tsu, Japan.
- 1957 Shen. Comp. with *C. communis* and *C. multispinosus*. p. 354, 356, 371.
- 1959b Shiino. Descr. ♀ ♂, hosts, distr., syn.; *Coryphaena hippurus*, *Neothunnus albacora* (= *N. macropterus*), *Histiophorus orientalis*; Hamajima and Shimakatsu (Japan). *C. productus* ♀ of Wilson, 1905, *C. monacanthi* ♂ of Wilson, 1937, *C. coryphaenae* of Yamaguti, 1936 new syns. p. 1, 8-14, 25, 26, 27, 28, 30, 31, 32; fig. 3A-K, 4A-I, 5A-G.
- 1959d Shiino. Comp. with *C. tenuicaudatus*. p. 277.
- 1959e Shiino. *Coryphaena hippurus*; Sado Is. (Sea of Japan) and Hamajima (Japan): *Katsuwonus pelamis*; Tsu (Japan). p. 335.
- 1960a Shiino. *Rhinobatus schlegelii*; Hamazima (Japan). p. 472.
- 1963a Pillai. *C. coryphaenae* of Yamaguti, 1936 syn. of *C. quadratus*. p. 518, 522.
- 1963b Pillai. Comp. with *C. longicaudus*. p. 71.
- 1963 Yamaguti. Hosts, distr., syn. p. 59; pl. 75(fig. 4).
- 1964 Lewis. Comp. with *C. ligatus*. p. 171.
- 1964 Pillai. *Coryphaena hippurus*; Trivandrum and Vizhingom (India). p. 61.
- 1966 Cleugh. Ment. p. 771.

- 1966 Kabata and Gusev. Hosts, distr., syn.; *Coryphaena hippurus*; western Pacific (vicinity of Ryukyu Is.). p. 156, 157, 159, 164; fig. 3, 4.
- 1967 Lewis. Descr. ♀ ♂, hosts, distr., syn.; *Coryphaena hippurus*; Hawaii. Comp. with *C. longipedis*. *C. productus* of Rathbun, 1884 new syn.; *C. monacanthi* ♂ of Wilson nec syn. *C. quadratus*. p. 109-116, 124, 131, 150, 190; fig. 40a-i, 41a-j, 42a-f.
- 1967 Pillai. Brief descr., host, distr. p. 1576, 1578, 1671; fig. 36.
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr., syn. p. 877, 886, 897-898, 903, 945, 947; fig. 11(1-15).
- 1969 Lewis et al. *Coryphaena hippurus*, *Coryphaena equisetis*; Indian Ocean. p. 423-424, 425, 432; fig. 6.

***C. quinqueabdominalis* Heegaard, 1962**

- 1962 Heegaard. N. sp. Descr. ♀; *Scomberomorus commerson*; Torres Strait (Australia). p. 162, 197 (as *C. cincabdominalis*); fig. 75-82. Holotype and paratypes dep. Australian Mus., Sydney.
- 1965 Kabata. List. p. 109.
- 1967 Silas and Ummerkutty. Brief descr. ♀, host, distr. p. 957, 973, 992; fig. 41(14-21).

***C. ravidus* Leigh-Sharpe, 1936**

- 1936 Leigh-Sharpe. N. sp. Descr. ♀; *Alopias vulpinus*; Brighton (England). p. 410-413; fig. 1, 2. Holotype dep. Br. Mus. (Nat. Hist.).
- 1949 Redkar, P. G., Rangnekar, and Murti. Comp. with *C. furcisetifer*. p. 43.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25.
- 1963 Yamaguti. List. p. 59.
- 1969 Parker. Syn. of *C. elongatus* Nordmann, 1832. p. 1026, 1027.

***C. randalli* Lewis, 1964**

- 1964 Lewis. N. sp. Descr. ♀; *Acanthurus triostegus sandvicensis*; Oahu (Hawaii). p. 156-164; fig. 6a, b, d-f, h-l, n-q, 7a-d. Holotype dep. USNM, No. 105102.
- 1967 Lewis. List. p. 170, 191.

- C. raniceps** Heegaard, 1943
- 1943b Heegaard. N. sp. Descr. ♂; Bay of Bengal. p. 1, 9–11; fig. 13–20. Types dep. Riksmus., Stockholm, No. 227.
- 1950b Gnanamuthu. Comp. with *C. cunicephalus*. p. 114.
- 1963 Yamaguti. List. p. 59; pl. 70(fig. 1a–d).
- C. rapax** Edwards, 1840
- 1840 Edwards. N. sp. Descr. ♀; dogfish; locality unknown. p. 453; pl. 38(fig. 9). Types dep. Mus. Natl. Hist. Nat., Paris.
- 1850 Baird. Descr. ♀ ♂; *Trigla hirundo*, *Trigla pini*, *Trigla gurnardus*, *Zeus faber*, *Platessa limanda*, *Rhombus vulgaris*, *Merlangus vulgaris*; Belfast Bay; trout, *Coregonus pollan*; Lough Neagh (northern Ireland). p. 270–271; pl. XXXII(fig. 2, 3).
- 1850 White. List. p. 119.
- 1855 Gosse. List. p. 125.
- 1856 Thompson, W. List. p. 410.
- 1857 White. Brief descr., hosts, distr. p. 313.
- 1861 Steenstrup and Lütken. Descr. ♀ ♂, syn.; shark; Atlantic: *Gadus morhua*; Hebrides Is. (Scotland), Sweden: *Cyclopterus lumpus*, *Trigla* spp.; Oslo-fjord. *C. elongatus* Nordmann, 1832, *C. leptochilus* may be syns. p. 354, 359–360, 429; pl. II(fig. 4).
- 1863 Krøyer. Hist., syn. *C. rapax* of Baird, 1850 and of Steenstrup and Lütken, 1861 are composite species, not including *C. rapax* Edwards. *C. leptochilus* nec syn. of *C. rapax* Edwards. p. 145–147, 154, 160.
- 1864 Nordmann. *C. leptochilus* questionable syn. of *C. rapax*. p. 468.
- 1866–79 Gerstaecker. Hosts, distr. p. 731, 757, 760, 761, 763, 764, 767, 770, 773, 802.
- 1866 Heller. Comp. with *C. diaphanus*. p. 752.
- 1869 Olsson. Brief descr. ♀ ♂ of “*C. rapax* (Edw.?) Stp. Ltk.”; *Trigla gurnardus*, *Acanthias vulgaris*, *Raja batis*, *Molva vulgaris*, *Chimaera monstrosa*, *Gadus virens*, *Gadus morrhua*; Skagerrack: *Gadus melanostomus*; Bergen. *C. gurnardi*, *C. lumpi* var. of *C. rapax*. p. 8–10.
- 1873 Verrill. *Trygon centroura* and free swimming; Vineyard Sound and Woods Hole (Atlantic coast, USA). p. 452, 457, 459, 575.
- 1874 M’Intosh. Cod and free swimming; St. Andrews (Scotland). p. 262.
- 1874 Verrill and Smith. Identical with Verrill (1873). p. 158, 163, 165, 281.
- 1885 Rathbun, R. List. p. 487.
- 1886 Thompson, I. C. Sapphirine gurnard; Liverpool Bay (Irish Sea). p. 207.
- 1889 Lönnberg. Free swimming; Bohuslän (Sweden). p. 148, 157.
- 1889 Thompson, I. C. Free swimming; Liverpool Bay (Irish Sea). p. 182.
- 1891 Herdman. Free swimming; west coast of Ireland. p. 192, 195.
- 1891 Scott, T. Cod, saith, pollack, lump-sucker, and free swimming; Firth of Forth (Scotland). p. 305.
- 1893 Thompson, I. C. Cod and other fishes, free swimming; Liverpool Bay (Irish Sea). p. 37–38, 48; pl. XXVII(fig. 4).
- 1894 Timm. Cod and free swimming; North Sea. p. 380, 396.
- 1895 Thompson, I. C. Identical with Thompson, I. C. (1893). p. 117–118.
- 1896a Bassett-Smith. Ment. p. 9.
- 1896b Bassett-Smith. *Salmo trutta*, *Gadus morrhua*, *Mugil capito*; Plymouth (England). p. 156.
- 1896 Olsson. Syn.; *Chimaera monstrosa*; Skagerrack. *C. rapax* of Baird, 1850, and of Steenstrup and Lütken, 1861, syn. of *C. rapax* Edwards. *C. lumpi* new syn. p. 502, 503.
- 1897 Scott, T. Coal-fish; Loch Fyne (Scotland). p. 155.
- 1897 Thompson, I. C. Free swimming; west coast of Ireland. p. 130.
- 1898a Brian. Hosts, distr.; *Mugil cephalus*, *Lichia amia*; Genoa. p. 206, 208, 215, 225, 226; pl. II(fig. 6). Dep. Mus. Zool. R. Univ., Genoa.
- 1898b Brian. Identical with Brian (1898a). p. 4, 6, 13, 23, 24; pl. II(fig. 6).
- 1898c Brian. p. 171; fig. 7.
- 1898 Scott, T. Free swimming; Firth of Forth (Scotland). p. 177, 190, 210.
- 1899 Bassett-Smith. Hosts, syn. *C. elongatus*, *C. leptochilus* syns. p. 448.
- 1899c Brian. *Mugil cephalus*; Portoferraio (Italy). p. 2, 9.
- 1900 Brian. Identical with Brian (1899c). p. 198, 205.
- 1900 Scott, T. *Raia batis*; Scotland. p. 148–149; pl. V(fig. 13–19).
- 1900 Thompson, I. C. Free swimming; Valencia Harbour (Ireland). p. 739, 743.

- 1901a Scott, T. List. p. 356.
- 1902a Brian. Ment. p. 41.
- 1902b Brian. Identical with Brian (1902a). p. 12.
- 1903 Scourfield. List. p. 540.
- 1904 Gadd. Descr. ♀ ♂, hosts, syn.; free swimming; Åland Is. (Baltic Sea). p. 17-19, 20, 51.
- 1904 Scott, A. List. p. 118.
- 1905b Brian. Comp. with *C. trachypteri*. p. 4.
- 1905 Norman. List. p. 41.
- 1905 Pearson. Hosts, distr. Ireland. p. 24-25.
- 1905 Rathbun, M. J. Sand shark, spiny dogfish, skate, big skate, barndoor skate, peaked-nosed skate, sting ray, sharp-nosed sturgeon, blunt-nosed sturgeon, long-nosed sturgeon, alewife, shad, sand lance, mackerel, cutlass fish, swordfish, rudderfish, crevalle, striped bass, scup, sculpin, lumpfish, remora, whiting, cod, pollock, haddock, hake, codling, flounder, four-spotted flounder, and free swimming; New England States (USA). p. 89-90, appendix p. 8.
- 1905a Scott, T. Free swimming; North Sea. p. 228.
- 1905 Wilson. Descr. ♀ ♂, anat., physiol., l.h., syn., key; *Pseudopleuronectes americanus*, *Paralichthys oblongus*, *Gadus morhua*, *Melanogrammus aeglefinus*, *Pollachius virens*, *Urophycis chuss*, *Urophycis tenuis*, *Cyclopterus lumpus*, *Scomber scombrus*, *Stenotomus chrysops*, *Roccus lineatus*, *Clupea vernalis*, *Acipenser sturio*, *Acipenser brevirostrum*, *Dasyatis centrura*, *Raia laevis*, *Raia ocellata*, *Raia erinacea*, *Squalus acanthias*, sculpins, *Menticirrhus saxatilis*, *Alosa sapidissima*, *Xiphias gladius*, *Kyphosus sectatrix*, *Carcharias littoralis*, *Remora remora*, *Caranx crysos*, *Trichiurus lepturus*, *Ammodytes americanus*, *Monacanthus* sp., free swimming; Atlantic coast USA.² Comp. with *C. mutabilis*, *C. curtus*, *C. latifrons*. p. 480, 484, 488, 489, 495, 500, 501, 502, 503, 506, 508, 511, 514, 516, 517, 520, 526, 527, 535, 536, 537, 538, 545, 546, 549, 550, 555, 556, 559, 568-573, 575, 581, 582, 583, 584, 585, 588, 589, 622, 637, 669; text fig. 3, 7, 9, 10, 18, 22, 23, 26, 32, 36, 46, 47, 48, 49, 50; pl. VII(fig. 79-89).
- 1906 Brian. *C. rapax* of Brian, 1898a, b, 1900 syn. of *C. curtus*. p. 35, 38.
- 1906 Evans. *Orthogoriscus mola*; North Berwick (Scotland). p. 57.
- 1906 Hofer. Brief descr. p. 144, 180-181; fig. 114.
- 1906 Norman and T. Scott. List. p. 206.
- 1906 Scott, T. List. p. 367.
- 1906 Wilson. Comp. with *Trebius exilis*, *Dissonus spinifer*. p. 194, 195, 200.
- 1907 Wilson. Shark; Atlantic coast USA. p. 326.
- 1908a Brian. *Raia* sp.; 47°46'N, 5°40'W (Bay of Biscay). p. 2.
- 1908b Brian. Hosts, distr., syn.; *Orthogoriscus mola*, *Syngnathus phlegon*; Mediterranean (Genoa and Monaco). p. 96-98.
- 1908a Wilson. *Trichiurus lepturus*; Beaufort (North Carolina, USA). Comp. with *C. haemulonis*, *Tuxophorus caligodes*. p. 595, 597, 619, 626.
- 1909 Neresheimer. Brief descr. ♀. p. 74; fig. 318-319.
- 1912 Brian. Hosts, distr., syn.; *Siphonostoma rotundatum*; Calvi (Corsica). p. 2, 5-6, 51, 53; pl. VI(fig. 1a-k, 2, 3, 4, 4a).
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂, distr. p. 5, 26, 30, 46, 48-50, 58; pl. IV(fig. 3-8), VI(fig. 1, 2).
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1913 Wilson. Ment. p. 210.
- 1914 Scott, T. Ment. p. 377.
- 1915 Stock, V. *Zoarces anguillaris*, cod, haddock, hake, pollock, flounder, conger eel, skate, lump sucker; Bay of Fundy (Atlantic coast Canada). p. 69, 70, 71.
- 1918 Jorgensen. Comp. with *C. curtus*. p. 66, 67.
- 1923 Hansen. Hosts, distr.; *Cyclopterus lumpus*, *Hippoglossus vulgaris*, free swimming; Iceland: *Gymnacanthus tricuspis*; East Greenland: *Gadus callarias*; Faeroe Is. p. 29-30.
- 1924 Leigh-Sharpe and Perkins. *Hippoglossus vulgaris*, *Gadus virens*, *Gadus morrhua*; Iceland. p. 289.
- 1924 Plehn. Ment. p. 338; fig. 22.
- 1924b Wilson. *Prionotus striatus*; Woods Hole (USA). p. 11. Dep. USNM, No. 54105.
- 1926 Leigh-Sharpe. Hosts at Plymouth; *Gobius* sp.; Plymouth. p. 384.
- 1929 Brian. Ment. p. 3.
- 1929 Scott, A. Cod; *Raia blanda*, *Raia batis*, *Raia clavata*, yellow gurnard; Irish Sea. p. 89.

² Many scientific names of hosts listed by Wilson (1905) apparently referred to fishes mentioned in the vernacular by M. J. Rathbun (1905).

- 1929 Stephensen. Distr.; *Gadus callarias*; Faeroe Is. p. 7-8, 13.
- 1930 Bere. *Melanogrammus aeglefinus*, *Microgadus tomcod*, *Gadus callarias*, *Pollachius virens*, *Raja laevis*, *Clupea harengus*, *Urophycis tenuis*; Passamaquoddy region (Atlantic coast Canada). p. 423.
- 1931 Argilas. Ment. p. 100.
- 1932 Brian. Comp. with *C. dieuzeidei*. p. 47, 49, 50, 51; fig. 17-20.
- 1932a Wilson. Brief descr. ♀ ♂, hosts, distr. p. 398, 399; fig. 250a, b.
- 1933a Leigh-Sharpe. Hosts in British waters. p. 109, 110, 111.
- 1933b Leigh-Sharpe. Free swimming; Plymouth (England). p. 115.
- 1933 Russell. Ment. p. 552.
- 1934 Gurney. Ment. p. 178.
- 1934 Markevich. Ment. p. 78.
- 1934 Pesta. Brief descr. ♀ ♂, hosts in German waters, distr. p. 19-21; fig. 12.
- 1935 Brian. Descr. ♀ ♂, syn.; *Syngnathus phlegon*, *Orthogoriscus mola*, free swimming; Mediterranean. p. 152, 153-158, 174, 175, 176, 201, 207; fig. 1(1-12), 2(13, 14). Dep. Mus. Oceanogr., Monaco.
- 1935 Schuurmans Stekhoven. *Pleuronectes flesus*; North Sea (Belgian coast). p. 4. Dep. Mus. Roy. Hist. Nat., Brussels.
- 1936 Bere. *Orthopristis chrysopterus*; Gulf of Mexico. p. 582.
- 1936 Guibé. Descr. ♀ ♂; *Cyclopterus lumpus*; Baie de Seine (France). p. 20-22.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, l.h., hosts, distr. Comp. with *C. curtus*, *C. minimus*, *C. belones*, *C. centrodoni*, *C. gurnardi*, *C. brevicaudatus*, *C. pelamydis*, *C. zeii*, *C. labracis*. p. 85, 129-131, 132, 134, 184-189, 192; fig. 19A, C-E, 91A-C.
- 1936 Schuurmans Stekhoven. *Cyclopterus lumpus*, *Gobius minutus*, *Clupea sprattus*, *Gadus merlangus*, *Clupea* sp.; North Sea (Belgian coast). p. 4-7. Dep. Mus. Roy. Hist. Nat., Brussels.
- 1937 Fujita. List., l.h. p. 48, 111-112, 113, 114; fig. 89(1, 2).
- 1937 Goulliart. *Pleuronectes flesus*; Wime-reux (France). p. 323, 355.
- 1937 Markevich. Ment. p. 82.
- 1937 Wagler. Brief descr. ♀ ♂. p. 176; fig. 533, 534a-c.
- 1938 Tremblay and Lapointe. *Hippoglossus hippoglossus*; St. Lawrence R. estuary. p. 100.
- 1938 Zandt. *Coregonus lavaretus*; Torneåelf (Sweden); *Coregonus* sp.; Lake Ladoga (Finland). p. 689, 690.
- 1939 Jespersen. Distr.; host not specified; Scoresby Sund (East Greenland). p. 51, 59.
- 1939 Redeke. Ment. p. 194.
- 1940 Stephensen. *Cyclopterus lumpus*, *Hippoglossus vulgaris*, *Gadus callarias*, *Gadus virens*; Iceland. p. 3, 20.
- 1943 Fujita. Brief descr. p. 127, 128, 200; fig. 50.
- 1943b Heegaard. Distr.; host unknown; Scotland. p. 8. Dep. Riksmus., Stockholm, No. 223.
- 1943 Stephensen. List. p. 1, 12-13, 22.
- 1946 Dawes. Ment. p. 121.
- 1946 Dollfus. List. p. 72.
- 1947 Heegaard. L.h., syn.; cod; Gullmar Fjord (Sweden). Comp. with *Lepeophtheirus pectoralis*. p. 23, 26, 28, 33, 34, 38, 77, 85, 96-101, 105, 205, 232; pl. 5(fig. 36-42), 6(43-49).
- 1949 Ferris and Henry. Ment. p. 116.
- 1949 Shen. Comp. with *C. fronsuganinus*. p. 140-141, 147.
- 1949 Thomsen. *Astyanax(?)* sp.; Uruguay. p. 2, 3; pl. I(fig. 1-17).
- 1950 Wilson. Free swimming; Gulf of Mexico. p. 179.
- 1951 Baer. fig. 53A, B, 54A, B (p. 48).
- 1952 Isakova-Keo. Ment. p. 236.
- 1952 Kurian. Ment. p. 8.
- 1953b Causey. *Scomberomorus maculatus*, *Scomberomorus cavalla*, *Caranx hippos*, *Prionotus* sp.; Texas coast. p. 10.
- 1953 Dollfus. Descr. ♀ ♂, hosts, distr. p. 49, 327, 332-336; fig. 228-235.
- 1954 Kaj. Ment. p. 46.
- 1954 Schäperclaus. List. p. 207, 211, 212; fig. 91A.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1954h Shiino. Comp. with *C. fulvipurpureus*. p. 152-153.
- 1955b Barnard. Key; *Merluccius capensis*, *Trachurus trachurus*; Table Bay (South Africa). p. 8, 100.
- 1955 Goreglyad. *Vimba vimba*; USSR. p. 203.
- 1956 Cameron. Brief descr., l.h. p. 154-156; fig. 63A, B, 64.
- 1956 Carvalho. Comp. with *C. oligoplitisi*. p. 17.
- 1956 Dawes. Identical with Dawes (1946).

- 1956 Dollfus. Distr.; *Clupea harengus*; Scotland. p. 64.
- 1956 Markevich. Descr. ♀ ♂, hosts, distr., syn., key. p. 9, 113, 126–128; fig. 65.
- 1956 Nunes-Ruivo and Fourmanoir. Comp. with *C. sphyraenae* and *C. pauliani*. p. 73, 74.
- 1957 Kozikowska. Ment. p. 239.
- 1958 Nunes-Ruivo. Ment. p. 182.
- 1959 Ronald. List. p. 21, 25, 32, 34, 36, 37, 40, 55.
- 1959 Shulman. List. p. 186.
- 1960 Legaré and Maclellan. Free swimming; Atlantic coast Canada. p. 418, 434.
- 1960 Stuardo and Fagetti. Ment. p. 197.
- 1961 Neresheimer. Identical with Neresheimer (1909).
- 1962 Bresciani and Lützen. List. p. 405.
- 1962 Bykhovskaya-Pavlovskaya et al. *Hucho taimen*, *Pleuronectes flesus*, *Mugil ramada*, *Mugil labrosus*, *Acipenser sturio*; ? USSR [source of these records not clear]. p. 650, 692, 727.
- 1962 Fraser, J. H. fig. 19(9) (p. 69).
- 1962 Heegaard. *Raia* sp.; Tasmania. p. 156. Dep. Australian Mus., Sydney, No. E.6792.
- 1962a Nunes-Ruivo. Ment. p. 71.
- 1963 Heegaard. fig. 1 (p. 315).
- 1963 Yamaguti. Hosts, distr., syn. *C. rapax* of Brian, 1898, 1899 syn. of *C. curtus*. p. 48, 52, 56, 59; pl. 72(fig. 3a–e).
- 1964 Bykhovskaya-Pavlovskaya et al. English transl. of Bykhovskaya-Pavlovskaya et al. (1962). p. 768, 820, 857.
- 1964a Hewitt. Ment. p. 157.
- 1964 Parker and Margolis. Comp. with *C. clemensi*. p. 888.
- 1965 Hwa. Ment. p. 48.
- 1965 Kabata. Unidentified elasmobranch; south Australian waters. p. 109, 120–121, 126; fig. 1F. Dep. U. Adelaide.
- 1965 Parker. Comp. with *C. gurnardi*. p. 93, 97, 102.
- 1965 Reichenbach-Klinke and Elkan. Ment. p. 111.
- 1965 Shields and Stein. L.h.; *Menidia menidia*, *Fundulus majalis*, *Strongylura marinas*; ? east coast USA. p. 51.
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1966 O’Riordan. *Gadus virens*; west coast of Ireland. p. 371.
- 1966 Reichenbach-Klinke. List. p. 233.
- 1967 Parker and Margolis. Hist., descr. lectotype ♀, syn. *C. rapax* of Baird, 1850 and later authors not identical with *C. rapax* Edwards. *C. elongatus* Nordmann, 1832, *C. leptochilus* not syns. of *C. rapax* Edwards. p. 87–101; fig. 1–8.
- 1967 Rosenthal. Path.; *Clupea harengus*; North Sea. p. 10, 14.
- 1967 Shields. L.h. p. 68–69.
- 1967 Silas and Ummerkutty. Brief descr. ♀ ♂, hosts, distr., syn. p. 877, 892, 898–899, 903, 946, 947, 948, 957, 973–974; fig. 2(1–9).
- 1968b Parker. List. p. 365.
- 1969 Izawa. Comp. with *C. centrodoni*, *C. curtus*, *C. pageti*, and *C. spinosus*. p. 153, 154.
- 1969 Parker. *C. rapax* of Baird, 1850 and later authors syn. of *C. elongatus* Nordmann, 1832. p. 1013, 1014, 1020–1022, 1024–1031.
- 1970 Mann. List. p. 178–180; fig. 2.
- 1970 Sindermann. Ment. p. 317.
- 1971 Baer. fig. 2.13a–d (p. 43).
- 1971b Hewitt. Syn. of *C. elongatus* Nordmann, 1832. p. 163.
- 1971 Reimer et al. List. p. 91.
- 1971 Shih et al. List. p. 57.

C. rectus Pearse, 1952

- 1952 Pearse. N. sp. Descr. ♀; *Caranx hippos*; Texas coast. p. 15–16; fig. 38–44. Holotype dep. USNM, No. 92665.
- 1963 Yamaguti. List. p. 59; pl. 75(fig. 3).
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.

C. regalis Leigh-Sharpe, 1930

- 1930 Leigh-Sharpe. N. sp. Descr. ♀ ♂; *Euthynnus yaito*; North of Misoöl (New Guinea). p. 5–7; pl. II(fig. 2), III(fig. 1, 2), IV(fig. 1). Dep. type material unknown.
- 1963 Yamaguti. List. p. 59. [Locality incorrectly cited as Japan.]
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, host, distr. p. 877, 899–900, 903, 945; fig. 12(1–11).

C. remorae Brian, 1905

- 1905a Brian. N. sp. Descr. ♀ ♂; *Remora* sp.; Red Sea. p. 564-567; fig. 1-9. Types dep. Mus. Civ. Stor. Nat., Genova.
1906 Gadd. Comp. with *C. dentatus*. p. 1, 9.
1927 Gurney. Ment. p. 482.
1933 Markevich. Ment. p. 10.
1941 Capart. Possible syn. of *Tuxophorus caligodes* Wilson, 1908. p. 184.
1954a Shiino. Comp. with *C. calotomi*. p. 19.
1955a Shiino. Comp. with *C. punctatus*. p. 139.
1959 Capart. Syn. of *Tuxophorus caligodes*. p. 96.
1963 Yamaguti. List. p. 59. [Locality incorrectly cited as Mediterranean.]

C. rissoanus Edwards, 1840

- 1840 Edwards. N. sp. Descr. ♀; unidentified fish; Nice (France). p. 452. Dep. type material Mus. Natl. Hist. Nat., Paris.
1846 Verany. List. p. 88.
1885 Carus. Brief descr. ♀. p. 357.
1898a Brian. List. p. 205.
1898b Brian. Identical with Brian (1898a). p. 3.
1905 Wilson. *C. rissonianus* [sic] syn. of *C. curtus*. p. 555.
1906 Brian. List. p. 37, 124, 181.
1935 Brian. List. p. 153, 204.
1963 Yamaguti. List. p. 59.
1968b Parker. List. p. 365.
1968 Parker et al. Ment. p. 1923.
1969 Parker. Syn. of *C. elongatus* Nordmann, 1832. p. 1025, 1026.

C. robustus Bassett-Smith, 1898

- 1898c Bassett-Smith. N. sp. Descr. ♀ ♂; *Thynnus macropterus*, *Caranx affinis*, *Caranx djedaba*; Trincomalee (Ceylon); *Caranx rottleri*; Aden. p. 357, 361-363, 371; pl. XI (fig. 1, 2). Types dep. Br. Mus. (Nat. Hist.).
1899 Bassett-Smith. List. p. 451.
1905 Wilson. Ment., key. p. 497, 558, 560.
1911 Wilson. *Bathystoma rimator*; Jamaica. p. 6.
1913 Wilson. Descr. ♀ ♂; *Bathystoma rimator*, *Caranx crysos*; West Indies. p. 212-214, 273; pl. 28 (fig. 81-91). Dep. USNM, No. 42260, 42268.

- 1924 Brian. As "*C. robustus* Wilson." *Caranx* sp. (? *C. hippos*), *Solea vulgaris* [? *lapsus*]; Mauritania. p. 376, 422, 423, 426.

- 1936 Bere. *Paratractus crysos*, *Caranx hippos*; Gulf of Mexico. p. 582.
1953b Causey. *Caranx hippos*, *Chloroscombrus chrysurus*; Texas coast. p. 10.
1956 Carvalho. Comp. with *C. oligoplitisi*. p. 19.
1956 Rangnekar, M. P. Comp. with *C. djedabae*. p. 45.
1959 Capart. Comp. with *C. alalongae*. p. 78.
1960a Shiino. Comp. with *C. laticaudus*. p. 485, 486.
1963b Pillai. Brief descr. ♀ ♂; *Caranx sansun*, *Caranx melanampygus*; Trivandrum (India). p. 73-74; fig. 4A-U.
1963 Yamaguti. Hosts, distr. p. 59; pl. 81 (fig. 2).
1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr.; *Caranx melampygus*; Colombo (Ceylon). Names of Bassett-Smith's (1898) hosts have been altered to *Neothynnus macropterus*, *Selar mate*, *Atule djedaba*, and *Megalaspis cordyli*. p. 55-56, 127; fig. 29, 30.
1967 Pillai. Brief descr., hosts in India, distr. p. 1589-1590, 1671; fig. 68.
1968b Parker. List. p. 365.

C. robustus Krøyer in Stephensen, 1913

- 1913 Stephensen. *C. robustus* Krøyer *lapsus* for *Lepeophtheirus robustus*. p. 346.

C. rotundigenitalis Yu, 1933

- 1933 Yu. N. sp. Descr. ♀; *Lutianus malabaricus*; Chefoo (China). p. 117, 118-120, 136; pl. I (fig. 1-7), II (fig. 1-4).
1936 Yamaguti. Comp. with *C. seriola*. p. 3.
1949 Shen. Ment. p. 139.
1957 Shen. Ment. p. 351, 369.
1959 Rangnekar, M. P. Descr. ♀, hosts, distr.; *Caranx speciosus*; Bombay (India). p. 43-46; fig. 1a-m.
1963 Yamaguti. List. p. 59; pl. 77 (fig. 2a-e).
1967 Pillai. Brief descr., hosts, distr. p. 1592, 1671, 1672; fig. 76.

- C. rufimaculatus* Wilson, 1905**
- 1905 Rathbun, M. J. List. p. 89, appendix p. 8.
- 1905 Wilson. N. sp. Descr. ♀ ♂, key; *Fundulus majalis*, *Fundulus heteroclitus*, *Mugil cephalus*, free swimming; Woods Hole (USA). p. 497, 556, 557, 561–564; pl. V (fig. 51–64). Types dep. USNM.
- 1906 Wilson. Comp. with *Trebius exilis*. p. 194.
- 1908a Wilson. *Fundulus heteroclitus*; Beaufort (North Carolina). p. 625.
- 1913 Guiart. Comp. with *C. guerini*. p. 5.
- 1913 Sumner et al. Local hosts, distr. p. 641.
- 1914a Brian. Comp. with *C. biaculeatus*. p. 4.
- 1929 Brian. Comp. with *C. biaculeatus*. p. 6.
- 1932 Brian. Comp. with *C. dieuzeidei*. p. 47.
- 1932a Wilson. Brief descr. ♀ ♂, key. p. 399, 402–403; fig. 249a, b.
- 1935 Brian. Comp. with *C. dieuzeidei*. p. 176.
- 1936 Bere. *Pomatomus saltatrix*, *Mugil* sp., *Oligoplietes saurus*, ? *Mobula hypostoma*, *Stoasodon narinari*, *Chaetodipterus faber*, *Strongylura*, sp., *Rhinobatus lentiginosus*, *Euclinostomus pseudogula*, free swimming; Gulf of Mexico. p. 582–583, 590.
- 1949 Kurian. Comp. with *C. pterois*. p. 194.
- 1952 Kurian. Comp. with *C. russellii*. p. 3, 4, 5, 6, 17.
- 1960c Shiino. Comp. with *Caligus* sp. p. 546.
- 1961 Stuardo and Fagetti. Comp. with *C. debueni*. p. 65.
- 1963 Yamaguti. Hosts, distr. p. 59–60; pl. 81 (fig. 1a–d).
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1969 Parker. *C. rapax* of Wilson, 1905 from *Trichiurus lepturus*, Woods Hole (USA) redetermined as *C. rufimaculatus*. p. 1026.
- 1941 Capart. Descr. ♀; *Paracentropristis scriba*; Senegal. p. 171, 173, 182–183, 194.
- 1949 Thomsen. Placed in *Metacaligus* n. subgen. p. 6, 7.
- 1952 Peares. Comp. with *C. ventrosetosus*. p. 22.
- 1953a Peares. Comp. with *C. setosus*. p. 203.
- 1959 Capart. *C. rufus* of Capart, 1941 syn. of *C. trichiuri*. p. 85, 87.
- 1963 Yamaguti. List. p. 47, 60; pl. 76 (fig. 3).
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- C. rugosus* Shiino, 1959**
- 1959d Shiino. N. sp. Descr. ♀; “Costa Ricanischer Gelbfisch” (*Seriola* sp. ?); eastern Pacific (6°20'N, 77°53'W). p. 267–272; fig. 1A–I, 2A–F. Dep. type material unknown.
- 1963 Kubota and Takakuwa. Ment. p. 116.
- 1963 Yamaguti. List. p. 60.
- 1967 Lewis. Comp. with *C. longipedis*. p. 152.
- C. russellii* Kurian, 1952**
- 1952 Kurian. N. sp. Descr. ♀ ♂, anat., l.h.; *Pterois russellii*; Trivandrum (India). p. 1–21; pl. I, II (fig. 2–15a), III (fig. 16–31). Dep. type material unknown.
- 1955 Kurian. *Pterois russellii*; Quilon (India). Comp. with *C. pelagicus*. p. 103, 105, 106, 107.
- 1963b Pillai. Brief descr.; *Pterois russellii*, *Pterois miles*; Trivandrum (India). p. 79–80; fig. 8A–P.
- 1967 Pillai. Brief descr., hosts, distr. p. 1579, 1673; fig. 42.
- C. salaris*? J. V. Thompson in W. Thompson, 1856**
- 1856 Thompson, W. No descr.; host unknown; south of Ireland. p. 409.
- C. salmonis* Krøyer, 1837**
- 1837 Krøyer. N. sp. Ment. p. 616, 622. Fig. caption. p. 628; pl. VI (fig. 7a–e).
- 1838 Krøyer. Descr. ♀ ♂; Atlantic salmon; Denmark. p. 13–15, 18, 19, 152, 156.

- 1840 Edwards. Brief descr. p. 455-456.
 1843-45 Krøyer. Ment. Müller's (1785) *C. productus* from salmon considered to be *C. salmonis*. p. 566, 580.
 1861 Steenstrup and Lütken. Brief descr. ♀ ♂. *C. vespa*, *Lepeophtheirus strömii*, *Binoculus salmoneus* syns. p. 355, 372.
 1873 Verrill. Syn. of *Lepeophtheirus salmonis*. p. 662.
 1874 Verrill and Smith. Syn. of *L. salmonis*. p. 368.
 1894 Timm. Syn. of *L. salmonis*. p. 396.
 1899 Bassett-Smith. Syn. of *L. stromi* [sic]. p. 455.
 1905 Pearson. Syn. of *L. stromii*. p. 26.
 1905 Rathbun, M. J. Syn. of *L. salmonis*. p. 92.
 1905 Wilson. Syn. of *L. salmonis*. p. 555, 640.
 1906 Hofer. Syn. of *L. stromii*. p. 181.
 1906 Norman and T. Scott. Syn. of *L. salmonis*. p. 209.
 1906 Scott, T. Syn. of *L. salmonis*. p. 369.
 1913 Scott, T., and A. Scott. Syn. of *L. salmonis*. p. 71.
 1920 Fraser. Syn. of *L. salmonis*. p. 58.
 1933 Gurney. Syn. of *L. salmonis*. p. 329.
 1937 Markevich. Syn. of *L. salmonis*. p. 84.
 1947 Heegaard. Syn. of *L. salmonis*. p. 21.
 1956 Markevich. Syn. of *L. salmonis*. p. 131.
 1959e Shiino. Syn. of *L. salmonis*. p. 348.
 1968b Parker. List. p. 363.
 1972 Kazachenko et al. Syn. of *L. salmonis*. p. 228.
- C. sarda* Pearse, 1952**
- 1952 Pearse. N. sp. Descr. ♀ ♂; *Sarda sarda*; Texas coast. p. 17-18; fig. 45-48. Types dep. USNM, No. 92667.
 1963 Yamaguti. List. p. 60; pl. 76(fig. 1a-c).
- C. savala* Gnanamuthu, 1948**
- 1948 Gnanamuthu. N. sp. Descr. ♀ ♂, anat., physiol., l.h.; *Trichiurus savala*; Madras (India). p. 591-606; fig. 1a-g, 2a, b, 3a-d, 4a, b, 5-8. Dep. type material unknown.
 1950b Gnanamuthu. Comp. with *C. cuni-cephalus*. p. 114.
 1950a Rangnekar, P. G., and Murti. Comp. with *C. unquidentatus*. p. 21, 25.
 1963 Yamaguti. List. p. 60.
- 1967 Pillai. Brief descr., host, distr. p. 1583, 1592, 1675; fig. 75.
 1971 Kabata and Hewitt. Ment. p. 1143.
 1971 Pillai. Descr. ♀ ♂ from Gnanamuthu's (1948) collection. p. 164-166; fig. 81-101. Dep. Br. Mus. (Nat. Hist.), cotypes [syntypes] No. 1950.2.3.1.
- C. scabiei* Gnanamuthu, 1950**
- 1950b Gnanamuthu. N. sp. Descr. ♀; *Trichiurus haumela*; Madras (India). p. 114-115; pl. II(fig. 17-30). Holotype dep. Indian Mus., Calcutta.
 1963 Yamaguti. List. p. 60; pl. 79(fig. 4a-d).
 1967 Pillai. Brief descr. ♀, host, distr. p. 1583, 1594, 1675; fig. 80.
- C. schistonyx* Wilson, 1905**
- 1905 Rathbun, M. J. List. p. 89, appendix p. 8.
 1905 Wilson. N. sp. Descr. ♀ ♂, key; *Brevoortia tyrannus*, *Pomatomus saltatrix*; Atlantic coast of USA. p. 479, 504, 514, 556, 557, 564-568, 584, 589, 669; pl. VI(fig. 65-78). Types dep. USNM; No. 6038, 6052, 6060, 6070, 6071, 6095, 6098, 6099, 6100, 6101, 6150, 6151, 6157, 8111.
 1913 Sumner et al. Local hosts, distr. p. 641.
 1914a Brian. Comp. (as *C. schistonix*) with *C. biaculeatus*. p. 4, 6.
 1926 Oakley. Ment. p. 404.
 1929 Brian. Comp. (as *C. schistonix*) with *C. biaculeatus*. p. 6.
 1932a Wilson. Brief descr. ♀ ♂, key, hosts, distr. p. 398, 399, 401-402; fig. 248a, b.
 1932b Wilson. *Brevoortia tyrannus*, free swimming; Chesapeake Bay (USA). p. 51.
 1947 Pearse. *Strongylura acus*, free swimming; Beaufort (North Carolina). p. 9.
 1950b Gnanamuthu. Comp. with *C. cuni-cephalus*. p. 114.
 1953a Pearse. *Lepisosteus osseus*, *Mugil cephalus*; Alligator Harbor (Florida). p. 201.
 1953b Pearse. Comp. with *C. olsoni*. p. 333.
 1954e Shiino. Comp. with *C. brevis*. p. 183.
 1955a Shiino. Comp. with *C. punctatus*. p. 139, 140.
 1955 Westman and Nigrelli. List. p. 152.

- 1956 Brandes. Comp. with *C. arcticus*. p. 171, 173, 175, 178; pl. I(fig. 2.)
- 1963 Yamaguti. Hosts distr. p. 60; pl. 77(fig. 1a, b).
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1970 Cressey and Collette. List. (host *Strongylura acus* = *Tylosurus acus*). p. 406.
- C. sciaenae* Gnanamuthu, 1947**
- 1947 Gnanamuthu. N. sp. Descr. immature ♀ [?]; *Sciaena glauca*; Madras(India). p. 43-49; fig. 1-12. Dep. type material unknown.
- 1950b Gnanamuthu. List. (as *C. sciaena*). p. 114.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 25.
- 1963 Yamaguti. List. p. 60.
- 1967 Pillai. Brief descr., hosts, distr.; *Johnius dussumieri*; India. [Source of record unknown.] p. 1590, 1672, 1674; fig. 70.
- C. sciaenops* Pearse, 1952**
- 1952 Pearse. N. sp. Descr. ♀ ♂; *Sciaenops ocellatus*, *Cynoscion nebulosus*, *Cynoscion nothus*; Texas coast. p. 18-19; fig. 49-59. Types dep. USNM; ♀ No. 92668, ♂ No. 92669.
- 1955 Causey. *Leiostomus xanthurus*; Port Aransas (Texas). p. 5.
- 1963 Yamaguti. Hosts, distr. p. 60, pl. 78(fig. 4).
- C. scomberi* Bassett-Smith, 1896**
- 1896a Bassett-Smith. N. sp. Descr. ♀; *Scomber scomber*; Plymouth (England). p. 11, 16; pl. III(fig. 2). Types dep. Br. Mus. (Nat. Hist.).
- 1896b Bassett-Smith. List. p. 156.
- 1899 Bassett-Smith. List. p. 450.
- 1901b Scott, T. Brief descr. as *C. scomberi* [sic] Bassett-Smith; *Scomber scombrus*; Aberdeen (Scotland). p. 124, 151; pl. V I(fig. 9, 10).
- 1902 Poche. States specific name should be *scomberi*. p. 14.
- 1904 Scott, A. Mackerel [*Scomber scombrus*]; Irish Sea. p. 118.
- 1905 Norman. List. as *C. scomberi* [sic] Bassett-Smith. p. 41.
- 1905 Pearson. *C. scomberi* J. V. Thompson probably nec *C. scomberi*. p. 25.
- 1905 Wilson. Ment. as *C. scomberi* [Bassett-Smith]. As *C. scomberi* Bassett-Smith, syn. of *C. productus* [Dana]. Comp. with *C. pelamydis*. p. 497, 555, 596-597.
- 1906 Norman and T. Scott. *C. scomberi* and *C. scomberi* [Bassett-Smith] syn. of *C. pelamydis*. p. 206.
- 1906 Scott, A. Brief descr. ♀; mackerel [*Scomber scombrus*]; Irish Sea. p. 196-197; pl. VI(fig. 1-7).
- 1910 Brady. Ment. p. 589.
- 1913 Guiart. As *C. scomberi* Bassett-Smith (Scott emend.); *Scomber scombrus*, *Pelamys sarda*; Bay of Concarneau (France). p. 6-7.
- 1913 Scott, T., and A. Scott. Syn. of *C. pelamydis*. p. 57.
- 1923 Monod. Syn. of *C. pelamydis*. p. 2, 3.
- 1935 Brian. Syn. of *C. pelamydis*. p. 183, 187.
- 1936 Yamaguti. Comp. (as *C. scomberi* Bassett-Smith) with *C. seriola*. p. 3.
- 1943 Fujita. List. p. 188.
- 1947 Heegaard. Ment. p. 22.
- 1956 Markevich. Syn. of *C. pelamydis*. p. 126.
- 1956 Nunes-Ruivo. Syn. of *C. pelamydis*. p. 10.
- 1959b Shiino. Comp. with *C. quadratus*. ?Syn. of *C. pelamydis*. p. 26.
- 1963 Hewitt. A; *C. scomberi*, syn. of *C. pelamydis*. p. 78.
- 1963 Yamaguti. As *C. scomberi*, syn. of *C. pelamydis*. As *C. scomberi* Bassett-Smith, hosts, distr. p. 58, 60.
- 1967 Lewis. *C. scomberi* and *C. scomberi* [Bassett-Smith] syn. of *C. pelamydis*. p. 139, 144.
- 1967 Silas and Ummerkutty. Syn. of *C. pelamydis*. p. 894, 895.
- 1968b Parker. List. p. 363.
- 1972 Kazachenko et al. Syn. of *C. pelamydis*. p. 224.
- C. scomberi* (Burmeister, 1835) Müller, 1852**
- 1835 Burmeister. N. sp. Descr. of chalimus stage (as *Chalimus scomberi*); *Scomber scomber*; Helgoland (Germany). p. 294-298, 333-334; pl. XXIII(fig. 13-18). Dep. type material unknown.

- 1837 Krøyer. List. (as *Chalimus scombrī*). p. 200.
 1847 Frey and Leuckart. Comp. (as *Chalimus scombrī*) with *chalimus* of *C. curtus*. p. 166.
 1852 Müller, F. Comp. with *C. appendiculatus*. p. 91.
 1855 Gosse. List. (as *Chalimus scombrī*). p. 124; fig. 207.
 1889 Dalla Torre. List. p. 86.

C. scombrī J. V. Thompson in W. Thompson, 1856

- 1856 Thompson, W. No descr.; host unknown; south of Ireland. p. 409.
 1905 Pearson. List. p. 25.
 1968b Parker. List. (as *C. scombrī*) under "nomina nuda or species inquirendae." p. 364.

C. scutatus Edwards, 1840

- 1840 Edwards. N. sp. Descr. ♀; host unknown; Indian seas. p. 453. Dep. type material unknown.
 1861 Steenstrup and Lütken. Comp. with *C. coryphaenae*. p. 362.
 1866-79 Gerstaecker. List. p. 795.
 1899 Bassett-Smith. Possible syn. of *C. coryphaenae*. p. 451.
 1905 Wilson. Syn. of *C. coryphaenae*. p. 555.
 1906 Brian. Possible syn. of *C. coryphaenae*. p. 44.
 1912 Brian. Possible syn. of *C. coryphaenae*. p. 7.
 1935 Brian. Possible syn. of *C. coryphaenae*. p. 202.
 1949 Heegaard. Possible syn. of *C. coryphaenae*. p. 240, 241.
 1959b Shiino. Ment. p. 23, 24, 32.
 1963a Pillai. Ment. p. 516, 522.
 1963 Yamaguti. List. Syn. of *C. coryphaenae*. p. 51, 60.
 1967 Lewis. Possible syn. of *C. coryphaenae*. p. 101, 107, 109.
 1967 Silas and Ummerkutty. Possible syn. of *C. coryphaenae*. p. 84.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

C. sensilis Kabata and Gusev, 1966

- 1966 Kabata and Gusev. N. sp. Descr. ♀ ♂; *Sphaeroides inermis*; northwestern Pacific Ocean. p. 156, 159, 161-163, 167, 205; fig. 5-15. Types dep. Zool. Inst. Akad. Nauk SSSR, Leningrad.
 1968 Kabata. Comp. with *C. novocaledonicus*. p. 3.
 1968 Parker et al. Ment. p. 1945.

C. sensorius Heegaard, 1962

- 1962 Heegaard. N. sp. Descr. ♀ ♂; *Iso rhotophilus*; Port Jackson (New South Wales): *Australuzza novaehollandiae*; Esperance Bay (Western Australia). p. 163-164, 197; fig. 83-91. Types dep. Australian Mus., Sydney; No. G.5218 (includes holotype), P.8928, P.5726.
 1965 Kabata. List. p. 109.

C. seriolae Yamaguti, 1936

- 1936 Yamaguti. N. sp. Descr. ♀; *Seriola quinqueradiata*; Inland Sea (Japan). p. 2-3, 18; pl. I (fig. 1-13). Dep. type material unknown.
 1948 Barnard. Comp. with *C. lalandei*. p. 244.
 1955a Barnard. Comp. with *C. lalandei*. p. 247.
 1956 Fukui. List. (as *C. seriolae*). p. 48.
 1956 Markevich. Descr. ♀, host, distr., key. p. 112, 116-117; fig. 60.
 1957 Fukui. List. p. 57.
 1957 Shen. Comp. with *C. multispinosus*. p. 356-357.
 1959e Shiino. Descr. ♀; *Lateolabrax japonicus*; Owase (Japan). p. 336-337; fig. 1A, B.
 1960a Shiino. Comp. with *C. laticaudus*. p. 485.
 1963 Yamaguti. Hosts, distr. p. 60; pl. 69 (fig. 2a-c).
 1965a Shiino. Comp. with *C. pelamydis*. p. 414.

C. serrani Richiardi, 1880

- 1880 Richiardi. N. sp. No descr.; *Serranus gigas*; Italy. p. 148. Dep. type material unknown.

- 1885 Carus. List. p. 359.
 1902 Poche. List. p. 10.
 1905 Wilson. List. p. 556.
 1906 Brian. List. p. 45, 128, 179, 181.
 1935 Brian. List. p. 153, 206, 207.
 1963 Yamaguti. List. p. 60.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

***C. serratus* Shiino, 1965**

- 1965a Shiino. N. sp. Descr. ♀ ♂; *Atherinopsis californiensis*; La Jolla (California). p. 397-403, 407; fig. 3A-J, 4A-I. Holotype ♀, allotype ♂, paratypes dep. Mie Prefectural U., Tsu, Japan, No. 586.

***C. setosus* Pearse, 1953**

- 1953a Pearse. N. sp. Descr. ♀ ♂; *Galeichthys felis*, *Menticirrhus littoralis*, *Bagre marina*; Alligator Harbor (Florida). p. 201-203; fig. 36-39. Types (♀ ♂) dep. USNM, No. 93712.
 1955 Causey. *Galeichthys felis*; Port Aransas (Texas). p. 5.
 1963 Yamaguti. List. p. 60.

***C. smaris* Richiardi, 1880**

- 1880 Richiardi. N. sp. No descr.; *Smaris vulgaris*; Italy. p. 148. Dep. type material unknown.
 1902 Poche. List. p. 10.
 1905 Wilson. List. p. 556.
 1963 Yamaguti. List. p. 60.
 1968b Parker. List. under "nomina nuda or species inquirendae." p. 364.

***C. smithii* (Leach, 1816) Lamarck, 1818**

- 1818 Lamarck. N. comb. for *Anthosoma smithii*. p. 142.
 1850 Baird. Syn. of *A. smithii*. p. 299.
 1850 White. Syn. of *A. smithii*. p. 125.
 1880 Valle. Syn. of *Anthosoma crassum*. p. 62.
 1905 Wilson. Syn. of *A. [crassum]*. p. 555.
 1906 Brian. Syn. of *A. crassum*. p. 62.
 1922a Wilson. Ment. p. 3.
 1966 Lewis. Syn. of *A. crassum*. p. 66.
 1968b Parker. List. p. 362.
 1969 Parker. List. p. 1020.

***C. sphyraenae* Nunes-Ruivo and Fourmanoir, 1956**

- 1956 Nunes-Ruivo and Fourmanoir. N. sp. Descr. ♀ ♂; *Sphyraena comersonii*; Nosy-Be (Madagascar). p. 71, 72-73; fig. 2a-f, 3a, b. Dep. type material unknown.
 1963 Yamaguti. List. p. 60; pl. 75(fig. 5).
 1964 Kirtisinghe. Syn. of *C. infestans*. p. 52, 53.
 1964 Lewis. Comp. with *C. ligatus*. p. 171.
 1967 Pillai. Syn. of *C. infestans*. p. 1586.

***C. sphyraeni* Pillai, 1963**

- 1963b Pillai. N. sp. Descr. ♀; *Sphyraena jello*, *Sphyraena acutipinnis*; Trivandrum (South India). p. 90-92; fig. 15A-N. Holotype ♀ dep. Indian Mus., Calcutta.
 1967 Pillai. Syn. of *C. clavatus*. p. 1576.

***C. spinosurculus* Pearse, 1951**

- 1951 Pearse. N. sp. Descr. ♀; *Caranx barthoemaei*, *Caranx hippos*, *Epinephelus adscensionis*; Bimini (Bahamas). p. 346-348; fig. 69a-c. Holotype ♀ dep. USNM, No. 88566.
 1960a Shiino. Comp. with *C. spinosus*. p. 482.
 1963 Yamaguti. List. p. 60; pl. 70(fig. 2).

***C. spinosus* Yamaguti, 1939**

- 1939 Yamaguti. N. sp. Descr. ♀; *Seriola quinqueradiata*; Tarumi (Japan). p. 445-447, 483; pl. XIV(fig. 4-8). Dep. type material unknown.
 1956 Fukui. List. p. 48.
 1956 Markevich. Descr. ♀, host, distr., key. p. 112, 122; fig. 63(1).
 1957 Fukui. List. p. 57.
 1960a Shiino. Descr. ♀ ♂; *Seriola aureovittata*; Simakatu (Japan). p. 476-482; fig. 3A-N, 4A-H.
 1960 Yamaguti and Yamasu. Descr. ♂; *Seriola quinquefasciatus*; Tarumi (Japan). p. 146-148; pl. XI(fig. 29-39).
 1963 Kubota and Takakuwa. Ment. p. 116.
 1963b Pillai. Brief descr. ♀; *Sphyraena obtusata*; Trivandrum (South India). p. 76-77, 83; fig. 6A-K.

- 1963 Yamaguti. List. p. 60; pl. 74(fig. 4a-c).
- 1967 Pillai. *C. spinosus* of Pillai, 1963 syn. of *C. cornutus*. p. 1584.
- 1968a Pillai. Comp. with *C. platurus*. *C. spinosus* of Pillai, 1963 syn. of *C. cornutus*. p. 128, 130.
- 1969 Izawa. Descr. ♀ ♂, l.h.; *Seriola quinqueradiata*; Kuki Bay (Kii Peninsula, Japan). p. 127-157; fig. 1-3, 4A-H, 5A-E, 6A, B, 7A-J, 8A-C, 9A-K, 10A-K, 11A-N, 12A-L, 13A-E, 14A-I, 15A-C, 16A-F, 17A-I, 18A-C, 19A-G, 20A-F.
- 1970 Plate. Effectively treated with Masoten. p. 259.
- 1972a Kabata. Comp. with *C. clemensi*. p. 1592.

C. stromatei Krøyer, 1863

- 1863-64 Krøyer. N. sp. Descr. ♀ ♂; *Stromateus* (?*rhomboides*); Indian Ocean. p. 117-120, 169-170, 413; pl. IV(fig. 1a-f). Types dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 767, 795; pl. X(fig. 1, 2).
- 1899 Bassett-Smith. List. p. 449.
- 1902 Thompson, I. C. p. 364(caption); fig. 5.
- 1905 Wilson. Ment., key. p. 497, 556, 560.
- 1907 Wilson. Ment. p. 393.
- 1963 Yamaguti. List. p. 60; pl. 78(fig. 2a-d).
- 1968b Parker. List. p. 365.

C. stromii Baird, 1847

- 1847 Baird. N. sp. Descr. ♀ ♂; salmon [*Salmo salar*]; Berwick (UK). Identical with "Laxe luus" of Ström, 1762. p. 259-260. Dep. type material unknown.
- 1848 Baird. Identical with Baird (1847). p. 396-397.
- 1850 Baird. Syn. of *Lepeophtheirus stromii*. p. 274.
- 1850 White. Syn. of *L. stroemii*. p. 120.
- 1856 Thompson, W. *Salmo trutta*, *Salmo eriox*, *Salmo salar*; Ireland. p. 409-410.
- 1864 Nordmann. Ment. p. 468.
- 1871 van Beneden. *Salmo salar*; Belgium. p. 69.
- 1890 Malard. List. p. 97.
- 1900 Scott, T. Syn. of *L. stromi*. p. 152.
- 1905 Pearson. Syn. of *L. stromii*. p. 26.
- 1905 Wilson. Syn. of *Lepeophtheirus salmonis*. p. 555, 640, 642.
- 1906 Norman and T. Scott. Syn. of *L. salmonis*. p. 209.
- 1906 Scott, T. Syn. of *L. salmonis*. p. 369.
- 1963 Yamaguti. Syn. of *L. salmonis*. p. 77.
- 1968b Parker. List. p. 363.

C. sturionis Krøyer, 1837

- 1837 Krøyer. Ment. p. 616. Fig. caption. p. 628; pl. VI(fig. 6a-d). Dep. type material unknown.
- 1838 Krøyer. N. sp. Descr. ♀; sturgeon; Aalbaek (Denmark). p. 11-13, 18, 19, 152, 156.
- 1840 Edwards. Brief descr. p. 457.
- 1847 Thompson, W. *Trigla hirundo*, *Trigla pini*; Belfast Bay (Ireland). p. 248, 249.
- 1850 White. Streaked gurnard; Great Britain. p. 120.
- 1851a van Beneden. Comp. with *C. piscinus*. p. 90.
- 1852-53 Krøyer. Ment. p. 777.
- 1856 Thompson, W. Identical with W. Thompson (1847). p. 410.
- 1861 Steenstrup and Lütken. Brief descr. p. 355.
- 1890 Malard. List. p. 75.
- 1905 Pearson. Syn. of *Lepeophtheirus sturionis*. p. 26.
- 1905 Wilson. Syn. of *L. sturionis*. p. 555.
- 1913 Scott, T., and A. Scott. Syn. of *L. sturionis*. p. 74.
- 1937 Markevich. Syn. of *L. sturionis*. p. 86.
- 1956 Markevich. Syn. of *L. sturionis*. p. 133.
- 1963 Yamaguti. Hosts, distr. p. 61; pl. 72(fig. 2).
- 1968b Parker. List. p. 363.

C. suffuscus Wilson, 1913

- 1913 Wilson. N. sp. Descr. ♀; *Scarus caeruleus*; Jamaica. p. 219-220, 274; pl. 30(fig. 107-115). Holotype dep. USNM, No. 42267.
- 1936b Wilson. *Calamus bajonado*, *Lachnolaimus maximus*, *Acanthurus caeruleus*; Dry Tortugas (Florida). p. 330.
- 1952 Pearse. Comp. with *C. ventrosetosus*. p. 22.

- 1954i Shiino. Comp. with *C. glandifer*. p. 156.
- 1963 Yamaguti. Hosts, distr. p. 61; pl. 81(fig. 3).
- C. tanago* Yamaguti, 1939**
- 1939 Yamaguti. N. sp. Descr. ♀; *Ditrema temmincki*, *Lateolabrax japonicus*; Tarumi (Japan). p. 447-449, 484; pl. XIV(fig. 9-11), XV(fig. 12, 13). Dep. type material unknown.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1956 Fukui. List. p. 48.
- 1956 Markevich. Descr. ♀, hosts, distr., key. p. 112, 122-123.
- 1956 Rangnekar, M. P. Comp. with *C. djedabae*. p. 45.
- 1957 Fukui. List. p. 57.
- 1959 Shen and Li. Comp. with *C. costatus*. p. 18.
- 1963 Yamaguti. List. p. 61; fig. 2a-c.
- 1965a Shiino. Comp. with *C. pelamydis*. p. 414.
- C. tenax* Heller, 1865**
- 1865 Heller. N. sp. Descr. ♀; *Caranx carangus*; Brazil. p. 172-173; pl. XV(fig. 3-3d). Dep. type material unknown.
- 1866-79 Gerstaecker. List. p. 767, 797.
- 1898c Bassett-Smith. Descr. ♂; *Caranx* spp.; Trincomalee and Colombo (Ceylon), Muscat and Aden (Persian Gulf); *Caranx melamphigus*; Aden. p. 357, 358, 359, 363-364, 372; pl. XI(fig. 3, 3a).
- 1899 Bassett-Smith. *Lobotes erate*; Java. p. 448.
- 1905 Wilson. Key. p. 561.
- 1911 Wilson. *Caranx hippos*, *Caranx chrysos*; Jamaica. p. 20.
- 1913 Wilson. Descr. ♀ ♂, hosts (*C. carangus* = *C. hippos*), distr. p. 208-210, 273; pl. 26(fig. 63-70), 29(fig. 99-101). Dep. USNM, No. 42301, 42341.
- 1936 Yamaguti. Comp. with *C. fistulariae*. p. 4.
- 1937 Kirtisinghe. Descr. ♀ ♂; *Caranx* sp.; Ceylon. *C. tenax* ♂ of Bassett-Smith, 1898 possible syn. of *C. alalongae*. p. 435, 437-439; fig. 15-29.
- 1950a Rangnekar, P. G., and Murti. Comp. with *C. unguidentatus*. p. 24.
- 1952 Pearse. Comp. with *C. sciaenops*. p. 19.
- 1953b Causey. *Caranx hippos*; Texas coast. p. 10.
- 1956 Rangnekar, M. P. Comp. with *C. djedabae*. p. 45.
- 1960a Shiino. Comp. with *C. spinosus*. p. 482.
- 1963 Yamaguti. Hosts, distr. p. 61; pl. 77(fig. 3), 79(fig. 6a-d).
- 1964 Kirtisinghe. Brief descr. ♀ ♂, hosts, distr. p. 67, 129; fig. 68, 69.
- 1967 Pillai. Brief descr., hosts, distr. p. 1588, 1671; fig. 64. [On p. 1588, *C. hippos* and *C. crysos* listed as hosts; on p. 1671 hosts cited as *C. hippos* and *C. sexfasciatus*.]
- 1968b Parker. List. p. 365.
- C. tenuicaudatus* Shiino, 1959**
- 1959d Shiino. N. sp. Descr. ♀; *Seriola dorsalis*; Baja California (Mexico). p. 272-277; fig. 3A-H, 4A-F. Types dep. Mie Prefectural U., Tsu, Japan.
- 1963 Kubota and Takakuwa. Ment. p. 116.
- 1963 Yamaguti. List. p. 61.
- C. tenuifurcatus* Wilson, 1937**
- 1937b Wilson. N. sp. Descr. ♀ ♂; *Nematistius pectoralis*; Panama Bay. p. 428-429, 430; fig. 26-32. Types dep. USNM, No. 69874.
- 1963 Yamaguti. List. p. 61; pl. 80(fig. 1a-f).
- C. (Sciaenophilus) tenuis* (van Beneden, 1852)³**
- 1866-79 Gerstaecker. List. p. 768, 802.
- 1896b Bassett-Smith. *Sciaena umbra*; Plymouth (England). p. 156.
- 1959 Capart. Ment. p. 80.

³ This species was originally described by van Beneden (1852) as *Sciaenophilus tenuis* n. gen., n. sp. Heller (1865), in his Latin key to Caligidae (p. 160), appended to the genus *Caligus* a footnote stating: "Das Genus *Sciaenophilus* v. Bened. ist hier mit *Caligus* wieder vereinigt." Gerstaecker (1866-79) apparently was the first author to use the name *Caligus (Sciaenophilus) tenuis*.

C. teres Wilson, 1905

- 1905 Wilson. N. sp. Descr. ♀ ♂, key; *Callorhynchus* sp. and undetermined ray; Lota (Chile). p. 479, 508, 515, 556, 557, 649-652, 672; pl. XXVI(fig. 322-332). Types dep. USNM.
- 1914a Brian. Comp. with *C. biaculeatus*. p. 4, 6.
- 1929 Brian. Comp. with *C. biaculeatus*. p. 6, 7.
- 1944 Nicholls. Comp. with *Caligus* sp. p. 59-60; fig. 28.
- 1954a Shiino. Comp. with *C. calotomi*. p. 19.
- 1961 Fagetti and Stuardo. Descr. ♀ ♂; *Callorhynchus callorhynchus*; Valparaiso and Gulf of Arauco (Chile). p. 5, 6-10, 11; pl. I(fig. 1-8), II(fig. 1-10).
- 1961 Stuardo and Fagetti. List. p. 56, 77.
- 1963 Yamaguti. List. p. 61; pl. 80(fig. 2a, b).
- 1965a Shiino. Comp. with *C. serratus*. p. 403.

C. tesseriifer Shiino, 1952

- 1952 Shiino. N. sp. Descr. ♀ ♂; *Katsuwonus vagans*; Izu Peninsula (Japan). p. 89-92; fig. 5A-M. Types dep. Mie Prefectural U., Tsu, Japan.
- 1954d Shiino. Comp. with *C. katuwo*. p. 246, 248.
- 1957 Fukui. List. p. 57.
- 1959b Shiino. Syn. of *C. coryphaenae*. p. 2, 7, 24, 25, 32.
- 1961 Kurian. Comp. with *C. euthynus* and *C. coryphaenae*. Questions syn. of *C. coryphaenae*. p. 63, 64, 66, 67, 69, 70.
- 1963 Ho. Syn. of *C. coryphaenae*. p. 82.
- 1963a Pillai. Syn. of *C. coryphaenae*. p. 513, 514, 516, 522.
- 1963 Yamaguti. List. as *C. tesseriifer*. p. 61.
- 1964 Kirtisinghe. Syn. of *C. coryphaenae*. p. 51.
- 1966 Kabata and Gusev. Syn. of *C. coryphaenae*. p. 159.
- 1967 Lewis. Syn. of *C. coryphaenae*. p. 101.
- 1967 Silas and Ummerkutty. Syn. of *C. coryphaenae*. p. 877, 884, 886. Cites Kurian's doubts about this syn. p. 965.

C. tetrodontis Barnard, 1948

- 1948 Barnard. N. sp. Descr. ♀ ♂; *Tetrodon hypselogeneion*; Port Elizabeth (South Africa). p. 245-247; fig. 4. Types dep. South African Mus.
- 1955a Barnard. Brief descr. ♀ ♂, key. p. 245, 247, 250; fig. 9d-f.
- 1955b Barnard. Key. p. 100.
- 1963 Yamaguti. List. p. 61; pl. 78(fig. 5a-d).
- 1968b Parker. Ment. p. 362.

C. thymni Dana, 1852⁴

- 1852 Dana. N. sp. Brief descr. ♀ ♂; *Thynnus pelamys*; Atlantic (27°N, 19°30'W). p. 56. Dep. type material unknown.
- 1853 Dana. Descr. ♀ ♂. p. 1353.
- 1855 Dana. pl. 94(fig. 3a-c).
- 1861 Steenstrup and Lütken. Ment. Comp. with *C. coryphaenae*. p. 352, 360, 362.
- 1866-79 Gerstaecker. List. p. 767.
- 1894 Scott, T. Plankton; Gulf of Guinea. p. 129.
- 1899 Bassett-Smith. Questionable syn. of *C. coryphaenae*. p. 451.
- 1905 Wilson. Descr. ♀ ♂, key; *Gymnosarda pelamys* (= *Thynnus pelamys*); Atlantic. p. 480, 556, 558, 601, 603-605, 670; pl. XV(fig. 178, 179).
- 1906 Brian. Questionable syn. of *C. coryphaenae*. p. 44.
- 1910 Brady. ? *Balistes* sp.; Ascension Is. p. 502, 504, 588-589; fig. LXIX(1).
- 1912 Brian. Ment. p. 7.
- 1914 Scott, T. Free swimming; Falkland Is. p. 377, 379; pl. XVI(fig. 13, 14).
- 1924b Wilson. *Xyphias gladius*; Woods Hole (USA). p. 11. Dep. USNM, No. 54103.
- 1935 Brian. Questionable syn. of *C. coryphaenae*. p. 202.
- 1940 Legendre. Ment. p. 284.
- 1950 Wilson. Free swimming. Mindanao (Philippine Is.). p. 179; pl. 22(fig. 317).
- 1959b Shiino. Comp. with *C. coryphaenae*. p. 23, 24.
- 1963 Hewitt. Ment. p. 65.
- 1963a Pillai. Syn. of *C. coryphaenae*. p. 513, 514, 516, 518, 519, 522.

⁴Steenstrup and Lütken (1861) emended the spelling to *C. thymni*, which was adopted by most subsequent authors.

- 1963 Yamaguti. Hosts, distr. p. 61; pl. 73(fig. 1a-c).
- 1967 Lewis. Declares *C. thynni* to be incorrect original spelling requiring emendment to *C. thynni*. p. 131, 132. [*C. thynnus* on p. 132 *lapsus* for *C. thynni*].
- 1967 Silas and Ummerkutty. Descr. ♀ ♂, hosts, distr. p. 877, 900-901, 903, 945, 974; fig. 13(1-5).
- 1968b Parker. List. p. 365.

C. thynni Pillai, 1963

- 1963b Pillai. N. sp. Descr. ♀; *Euthynnus affinis*; Trivandrum (India). p. 89-90; fig. 14A-K. Holotype dep. Indian Mus., Calcutta.
- 1965 Kabata. Syn. of *C. asymmetricus*. p. 110.
- 1967 Lewis. Syn. of *C. asymmetricus*. p. 131, 132.
- 1967 Pillai. Syn. of *C. asymmetricus*. p. 1574.
- 1967 Silas and Ummerkutty. Descr. ♀, host, distr. p. 957, 974, 992; fig. 42(1-11).

C. thyrstitae Kazachenko, Korotaeva and Kurochkin, 1972

- 1972 Kazachenko et al. N. sp. Descr. ♀; *Thyrstites atun*; Great Australian Bight. p. 225-227; fig. 1a-h, 2a-h. Holotype dep. TINRO, Vladivostok.

C. torpedinis Heller, 1865

- 1865 Heller. N. sp. Descr. ♀; *Torpedo* sp.; Indian Ocean. p. 176-177; pl. XV(fig. 6, 6a). Dep. type material unknown.
- 1866-79 Gerstaecker. List. p. 757, 795.
- 1899 Bassett-Smith. List. p. 451.
- 1905 Wilson. Key. p. 560.
- 1924 Brian. Comp. with *C. diaphanus*. p. 377.
- 1960a Shiino. Comp. with *C. laticaudus*. p. 485, 487.
- 1963 Yamaguti. List. p. 61; pl. 79(fig. 2a, b).
- 1964 Kirtisinghe. Misquoting Brian (1924) in stating *C. torpedinis* probably syn. of *C. diaphanus*. p. 57.
- 1968b Parker. List. p. 365.

C. trachini Richiardi, 1880

- 1880 Richiardi. N. sp. No descr.; *Trachinus draco*; Italy. p. 148. Dep. type material unknown.
- 1885 Carus. List. p. 359.
- 1902 Poche. List. p. 10.
- 1906 Brian. List. p. 45, 128, 179, 181.
- 1935 Brian. List. p. 153, 205, 207.
- 1963 Yamaguti. List. p. 61.
- 1968b Parker. List. under "*nomina nuda* or *species inquirendae*." p. 364.

C. trachuri Richiardi, 1880

- 1880 Richiardi. N. sp. No descr.; *Trachurus trachurus*; Italy. p. 148. Dep. type material unknown.
- 1885 Carus. List. p. 359.
- 1890 Malard. List. p. 82.
- 1902 Poche. List. p. 10.
- 1905 Wilson. List. p. 556.
- 1906 Brian. List. p. 45, 128, 179, 181.
- 1935 Brian. List. p. 153, 205, 207.
- 1963 Yamaguti. List. p. 61.
- 1968b Parker. List. under "*nomina nuda* or *species inquirendae*." p. 364.

C. trachynoti Heller, 1865

- 1865 Heller. N. sp. Descr. ♀ ♂; *Trachynotus* sp.; Brazil. p. 169-170; pl. XV(fig. 1, 1a). Dep. type material unknown.
- 1866-79 Gerstaecker. List. p. 767, 797.
- 1899 Bassett-Smith. List. p. 449.
- 1905 Wilson. Key. p. 561.
- 1959 Capart. Comp. with *C. pseudoproductus*. p. 85.
- 1961 Pillai. As *C. trachinoti*, comp. with *C. indicus*. p. 102.
- 1963 Yamaguti. List. p. 61; pl. 78(fig. 3).
- 1968b Parker. List. p. 365.

C. trachypteri Kollar in Krøyer, 1863

- 1863-64 Krøyer. N. sp. Descr. ♀; *Trachypterus* sp.; Sicilian Sea [Mediterranean]. p. 131-132, 173, 413; pl. III(fig. 1a-f). Holotype dep. Zool. Mus. U. Copenhagen.
- 1866-79 Gerstaecker. List. p. 766, 804.
- 1885 Carus. Brief descr. ♀. p. 358.
- 1899 Bassett-Smith. List. p. 449.

- 1905b Brian. Descr. ♀; host unknown; Gulf of Naples. p. 2, 3-6, 9, 11; pl. 3(fig. 1-7).
 1905 Wilson. Ment., key. p. 497, 559.
 1906 Brian. Host, distr. p. 37, 126, 127, 179, 181.
 1935 Brian. Host, distr. p. 152, 201, 207.
 1956 Brandes. Comp. with *C. arcticus*. p. 176.
 1963 Yamaguti. List. p. 61; pl. 79(fig. 5).
 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
 1968b Parker. List. p. 365.
 1969 Parker. Syn. of *C. elongatus* Nordmann. p. 1025, 1026, 1029.

***C. triangularis* Shiino, 1954**

- 1954g Shiino. N. sp. Descr. ♀ ♂; *Halichoeres poecilopterus*; Hamajima (Mie Prefecture, Japan). p. 146-149; fig. 1A-K. Holotype ♀, allotype ♂, paratypes dep. Mie Prefectural U., Tsu, Japan.
 1956 Shiino. Descr. ♀ ♂. p. 233-236; fig. 1A-K, 2A-C.
 1961 Kurian. Comp. with *C. affinis*. p. 71.
 1963b Pillai. Comp. with *C. thynni* Pillai, 1963. p. 90.
 1963 Yamaguti. List. p. 61; pl. 79(fig. 1a, b).
 1965 Kabata. Ment. p. 111.
 1967 Silas and Ummerkutty. Comp. with *C. thynni* Pillai, 1963. p. 974.
 1968 Kabata. Comp. with *C. novocaledonicus*. p. 8.

***C. trichiuri* Krøyer, 1863**

- 1863-64 Krøyer. N. sp. Descr. ♂; *Trichiurus haumala*; Indian Ocean. p. 120-122, 170, 413; pl. IV(fig. 2a-f). Holotype dep. Zool. Mus. U. Copenhagen.
 1866-79 Gerstaecker. List. p. 766, 795.
 1898a Bassett-Smith. Comp. with *C. longicaudus*. p. 8. [Misspelled *C. trichiura*].
 1899 Bassett-Smith. Hosts, distr. *C. longicaudus* new syn. p. 453.
 1905 Wilson. Syn., key. p. 555, 558, 559.
 1948 Gnanamuthu. Comp. with *C. savala*. p. 595.
 1959 Capart. Descr. ♀ ♂, syn.; *Trichiurus lepturus*; west coast of Africa (5°50'S, 11°50'E). *C. rufus* of Capart, 1941 new syn. *C. longicaudus* Bassett-Smith [lapsus for *C. longicaudus*] nec syn. of *C. trichiuri*. p. 59, 62, 85-87.

- 1962b Nunes-Ruivo. List. p. 5, 17.
 1963 Yamaguti. List. p. 61.
 1966 Cleugh. Ment. p. 771.
 1968b Parker. List. p. 364.

***C. tricuspидatus* Nordmann in Steenstrup and Lütken, 1861**

- 1861 Steenstrup and Lütken. Syn. of *C. curtus*. [Lapsus for *C. bicuspidatus*]. p. 353.

***C. tripedalis* Heegaard, 1972**

- 1972 Heegaard. N. sp. Descr. ♀ ♂; free swimming; New Zealand. p. 299-303; fig. 13-31. Types presumably dep. Zool. Mus. U. Copenhagen.

***C. tylosuri* (Rangnekar, 1956) Pillai, 1961**

- 1961 Pillai. N. comb. for *Tuxophorus tylosuri*. *Tylosurus crocodilus*; Vizhin-gom (India). p. 96-98; fig. 6A-L.
 1967 Pillai. Brief descr., hosts, distr. p. 1585, 1671, 1675; fig. 55.
 1968a Pillai. *Chorinemus lysan*; Trivandrum (India). p. 132-133; fig. 6A-E.
 1970 Cressey and Collette. Brief descr. ♀ ♂, hosts, distr.; *Tylosurus crocodilus*; Philippines and North Borneo; *Tylosurus acus melanotus*; Philippines, Sea of Japan; *Tylosurus acus pacificus*; Gulf of California. p. 347, 376, 377, 404, 405, 407; fig. 113-116.
 1970 Pillai. Comp. with *Tuxophorus wilsoni* and *Lepeophtheirus spinifer*. p. 267.

***C. undulatus* Shen and Li, 1959**

- 1959 Shen and Li. N. sp. Descr. ♀ ♂; free swimming; Tsingtao Harbour (China). p. 16-17; pl. I(fig. 1-16). Dep. type material unknown.
 1963 Yamaguti. List. p. 61; pl. 80(fig. 3a-i).
 1967 Pillai. Brief descr., distr. p. 1595; fig. 83.
 1968a Pillai. Descr. ♂; free swimming; Mandapam (South India). p. 123-124; fig. 1A-L.

- C. unguidentatus* Rangnekar and Murti, 1950
- 1950a Rangnekar, P. G., and Murti. N. sp. Descr. ♀ ♂; *Clupea toli*; locality not stated, presumably Bombay (India). p. 21-28; pl. 1(fig. 1-13). Dep. type material unknown.
- 1963 Yamaguti. List. p. 61.
- C. (Metacaligus) uruguayensis* Thomsen, 1949
- 1949 Thomsen. N. sp. Descr. ♀ ♂, l.h., key; *Trichiurus lepturus*; Rio de la Plata (Uruguay). p. 3-6, 7; pl. II(fig. 1-25), III(fig. 1-21). Dep. type material unknown.
- 1954i Shiino. Comp. with *C. glandifer*. p. 156.
- 1963 Yamaguti. List.; designated as type of subgenus *Metacaligus*. p. 47, 62; pl. 75(fig. 1a-d).
- 1968 Pillai. Comp. with *C. longicervicis*. p. 126.
- C. validus* Pearse, 1952
- 1952 Pearse. N. sp. Descr. ♀; *Caranx chrysos*; Texas coast. p. 20-21; fig. 60-69. Holotype dep. USNM, No. 92671.
- 1963 Yamaguti. List. p. 62; pl. 76(fig. 2a-e).
- C. ventrosetosus* Pearse, 1952
- 1952 Pearse. N. sp. Descr. ♀; *Brevoortia gunteri*; Texas coast. p. 21-22; fig. 70-75. Holotype dep. USNM, No. 92670.
- 1963 Yamaguti. List. p. 62; pl. 82(fig. 1).
- C. vespa* Edwards, 1840
- 1840 Edwards. N. sp. Descr. ♀; salmon [*Salmo salar*]; locality not stated. p. 456. Types dep. Mus. Natl. Hist. Nat., Paris.
- 1847 Thompson, W. *Salmo trutta*, *Salmo eriox*, *Salmo salar*; Northern Ireland. p. 248.
- 1847 Baird. Comp. with *C. strömii*. p. 259, 260.
- 1848 Baird. Identical with Baird (1847). p. 396, 397.
- 1850 Baird. Syn. of *Lepeophtheirus stromii*. p. 274.
- 1850 White. *C. vespa* of Thompson, 1847 (not Edwards) syn. of *L. stroemii*. p. 120.
- 1856 Thompson, W. Identical with W. Thompson (1847). p. 409-410.
- 1861 Steenstrup and Lütken. Syn. of *C. salmonis*. p. 355.
- 1866-79 Gerstaecker. List. p. 761.
- 1874 Smith. Syn. of *L. salmonis*. p. 662.
- 1899 Bassett-Smith. As *C. vesper*, questionable syn. of *L. stromii*. p. 455.
- 1905 Pearson. As *C. vesper*, questionable syn. of *L. stromii*. p. 26.
- 1905 Wilson. Syn. of *L. salmonis*. p. 555, 640.
- 1906 Hofer. Syn. of *L. stromii*. p. 181.
- 1933 Gurney. Syn. of *L. salmonis*. p. 329.
- 1937 Markevich. Syn. of *L. salmonis*. p. 84.
- 1956 Markevich. Syn. of *L. salmonis*. p. 131.
- 1960b Shiino. Syn. of *L. salmonis*. p. 532.
- 1963 Yamaguti. Syn. of *L. salmonis*. p. 77.
- 1968b Parker. List. p. 363.
- 1972 Kazachenko et al. Syn. of *L. salmonis*. p. 228.
- C. vexator* Heller, 1865
- 1865 Heller. N. sp. Descr. ♀; *Dentex vulgaris*; Mediterranean and Adriatic seas. p. 165-167; pl. XIV(fig. 2-2c). Dep. type material unknown.
- 1866-79 Gerstaecker. List. p. 768, 804.
- 1866 Heller. List. Key. p. 751, 753.
- 1877 Olsson. Comp. with *C. borealis*. p. 78.
- 1880 Richiardi. *Dentex vulgaris*, *Dentex gibbosus*, *Pagrus vulgaris*; Italy. p. 148.
- 1880 Stossich. List. p. 256.
- 1880 Valle. *Dentex vulgaris*; Adriatic Sea. p. 58, 84.
- 1885 Carus. Brief descr. ♀; hosts, distr. p. 359.
- 1898a Brian. Hosts, distr.; *Dentex vulgaris*; Genoa (Italy). p. 209, 225, 226; pl. II(fig. 9).
- 1898b Brian. Identical with Brian (1898a). p. 7, 23, 24; pl. II(fig. 9).
- 1899 Bassett-Smith. List. p. 450.
- 1899c Brian. *Pagrus vulgaris*; Portoferraio (Italy). p. 2, 10.

- 1900 Brian. Identical with Brian (1899c). p. 198, 206.
- 1900 Graeffe. *Dentex vulgaris*; Gulf of Trieste. p. 44.
- 1903 Brian. *Dentex vulgaris*; Portoferraio (Italy). p. 7.
- 1905 Norman. List. p. 41.
- 1905 Wilson. Ment. Key. p. 497, 558.
- 1906 Brian. Hosts, distr. p. 44, 124, 125, 128, 130, 176, 178, 181.
- 1923 Monod. *Dentex vulgaris*; Monaco. p. 3.
- 1924 Brian. *Dentex filusus*; Mauritania. Comp. with *C. ligusticus*. p. 375, 376, 377, 423; fig. 12.
- 1935 Brian. Descr. ♀; hosts, distr. p. 152, 153, 191-193, 207.
- 1950a Delamare Deboutteville. Hosts, distr.; *Dentex vulgaris*; Banyuls (France). p. 306. [*Dentex globosus* apparently *lapsus* for *D. gibbosus* in host list.]
- 1953 Capart. *Dentex canariensis*, *Dentex filusus*; Goré (Sénégal). p. 648, 653-654. [Incorrectly cites Delamare Deboutteville's (1950) host records.]
- 1959 Capart. Brief descr.; *Chaetodon hoeferi*, *Dentex* sp., *Latilus semifasciatus*, *Parapristipoma macrops*, *Polydactylus quadri-filis*, *Scyris alexandrinus*; west coast of Africa. p. 59, 61, 62, 87-88; fig. 18a-c.
- 1962b Nunes-Ruivo. List. p. 5, 16, 19, 20.
- 1963 Yamaguti. Hosts, distr. p. 62; pl. 79(fig. 3a-d).
- 1968b Parker. List. p. 365.
- C. vicarius* Hewitt, 1963**
- 1963 Hewitt. Nom. nov. for *C. longicaudatus* Brady, 1901. Descr. ♂. p. 61, 64-65, 114; fig. 1.
- 1966 Cleugh. Syn. of *C. longicaudatus* Brady, 1901. p. 771.
- C. willungae* Kabata, 1965**
- 1965 Kabata. N. sp. Descr. ♀; undetermined elasmobranch; Port Willunga (South Australia). p. 109, 110, 121-126; fig. 5A-K, 6A-J. Holotype dep. U. Adelaide.
- 1968 Kabata. Comp. with *C. novocaledonicus*. p. 3.
- 1968 Parker et al. Ment. p. 1942.
- C. wilsoni* Delamare Deboutteville and Nunes-Ruivo, 1958**
- 1958 Delamare Deboutteville and Nunes-Ruivo. Nom. nov. for *C. belones* of Wilson, 1905. p. 219-220.
- 1963 Yamaguti. List. p. 62.
- 1970 Cressey and Collette. Ment. p. 376.
- C. yamaguti* in Carvalho, 1956**
- 1956 Carvalho. Comp. with *C. oligoplitisi*. p. 17. [*C. yamaguti* apparently a *lapsus* for one of the *Caligus* species described by Yamaguti.]
- C. zeii* Norman and Scott, 1906**
- 1905 Norman. List. p. 41.
- 1906 Norman and T. Scott. N. sp. Descr. ♀ ♂; *Zeus faber*; Polperro (UK). p. 206-207; pl. XXII(fig. 1-8). Dep. type material unknown.
- 1907 Scott, A. John Dory [*Zeus faber*]; New Quay Head (Irish Sea). p. 193; pl. I(fig. 1-8).
- 1913 Scott, T., and A. Scott. Descr. ♀ ♂, distr.; *Zeus faber*; Puffin Island and Luce Bay (Irish Sea). p. 26, 30, 54-56; pl. VII(fig. 1), VIII(fig. 3-9).
- 1922a Wilson. *Zeus faber*; English Channel (France). p. 2.
- 1926 Leigh-Sharpe. *Zeus faber*; Plymouth (England). p. 384.
- 1926 Oakley. Hist., descr. ♀ ♂; *Zeus faber*; Plymouth (England). p. 402-409; fig. 1, 2A-G, 3a-f, 4A-G.
- 1929 Scott, A. Distr.; *Zeus faber*; Irish Sea. p. 90-91.
- 1933a Leigh-Sharpe. List. p. 112.
- 1936 Leigh-Sharpe. Comp. with *C. rabidus*. p. 413.
- 1936 van Oorde-de Lint and Schuurmans Stekhoven. Brief descr. ♀ ♂, host, distr. p. 78, 90, 135, 191; fig. 8, 24C.
- 1949 Redkar, P. G., Rangnekar and Murti. Comp. with *C. furcisetifer*. p. 42, 43.
- 1954 Schäperclaus. List. p. 212.
- 1954b Shiino. Comp. with *C. latigenitalis*. p. 24.
- 1954i Shiino. Comp. with *C. glandifer*. p. 156.
- 1955b Barnard. Key; *Thyrstites atun*; False Bay (South Africa). p. 8, 100.

- 1955a Shiino. Comp. with *C. punctatus*. p. 139, 140.
- 1959c Shiino. Comp. with *C. klawei*. p. 356.
- 1963 Yamaguti. List. p. 62; pl. 82(fig. 2a-d).
- 1965a Shiino. Comp. with *C. pectinatus*. p. 408.
- 1966 O'Riordan. Unspecified host; Long Is. Sound and Bantry Bay (Ireland). p. 371, 372, 377.
- 1967 Lewis. Ment. p. 91.
- 1968 Parker et al. Ment. p. 1942.
- 1969 Hamond. *Zeus faber*; North Sea. p. 230.

***C. zeugopteri* Rao, 1951**

- 1966 Humphrey and Segal. *Lapsus* for *Glolopotes zeugopteri*. p. 11.

SYNOPSIS

Synopsis

C. curtus Müller, 1785

Syn.: *C. piscinus* (Linné, 1761) *partim*

C. mülleri Leach, 1816

C. bicuspidatus Nordmann, 1832

C. americanus Pickering and Dana, 1838

C. diaphanus of Baird, 1850

C. elegans van Beneden, 1851

C. aeglefini Krøyer, 1863

C. fallax Krøyer, 1863

nec C. curtus of Tilesius, 1815; of Brian, 1898 and 1906; Kirtisinghe, 1964

Distr.: Arctic-Boreal region of Atlantic Ocean and contiguous waters (see Fig. 1, Parker et al. 1968).

Remarks: (From Parker et al. 1968)

Caligus curtus is essentially a parasite of the external surfaces of marine gadids, particularly *Gadus morhua*, but it has been reported from a variety of other marine fishes, including elasmobranchs The report by Baird (1850) of its occurrence [as *C. mülleri*] in the freshwater fish *Coregonus pollan* in Lough Neagh (Northern Ireland) is, indeed, suspect; the validity of this identification was first questioned by Scourfield (1903). It is not unlikely that some of the records . . . [of *C. curtus*] may be based on misidentifications but in the absence of accompanying descriptions or figures, critical judgement is not possible. . . . In this regard we draw special attention to Wilson's (1908, 1936) records from *Mugil cephalus* at Beaufort, North Carolina, and from plankton at Bermuda, because they are outside the established range for *C. curtus*. We have been unable to locate Wilson's specimens, and consequently these records could not be verified.

The Arctic-Boreal region of the Atlantic Ocean and contiguous waters . . . includes the natural range of this species. Several reports of the species occurring outside this region cannot be accepted at face value. For example, Tilesius (1815) claimed to have taken varieties of *C. curtus* from salmon in the Pacific waters off Kamchatka, USSR, and from *Coryphaena hippurus* and *Squalus* sp. from the Brazilian coast. The species taken from salmon must have been *Lepeophtheirus salmonis* (Krøyer, 1837), the common and only caligid occurring on both Pacific and Atlantic salmon . . . The identity of the Brazilian material will never be known with certainty but it is worth

noting that the more recent records of *Caligus* species from *Coryphaena* species do not include *C. curtus*. Kirtisinghe (1964) reported this species from *Pristipomoides typus* from Ceylon, but it is clear from his figures that the identification is an error. The general shape and body proportions are sufficiently different from *C. curtus* to exclude these Indian Ocean specimens from this species. Heegaard (1945) included the Indian Ocean in the distributional range of *C. curtus*, but the source of this information eludes the present authors.

The reports by Brian (1898a, b, 1906) of the occurrence of *C. curtus* on *Lichia amia* and *Mugil cephalus* from Mediterranean waters in the vicinity of Italy were subsequently corrected by him. His material from *L. amia* was described (Brian 1906) as a new species, *C. lichiae*, and the material from *M. cephalus* eventually formed the basis of his (Brian 1935) new variety *C. minimus* var. *mugilis*. Evidently, no valid records of *C. curtus* from the Mediterranean region exist in Brian's publications. Heegaard (1943) reported this species from the Adriatic Sea (the host was not stated) on the basis of material preserved in the Riksmuseum, Stockholm; neither description nor figures were presented. Through the courtesy of Dr Roy Oleröd of the Riksmuseum, Stockholm, the material (one female) identified by Heegaard was made available to us, and its specific identity was confirmed. However, from the accompanying labels we could not corroborate that the specimen came from the Adriatic Sea, and Dr Oleröd's investigation of the Museum's records showed that the specimen was obtained from Hamburg in 1869 and that its alleged Adriatic origin is unsupported. A number of authors (e.g. Wilson 1932a; Pesta 1934; Polyansky 1955; Markevich 1956; Yamaguti 1963) have included the Mediterranean as part of the range of *C. curtus*. However, there is no evidence to support the occurrence of *C. curtus* in this sea.

The basis for Markevich's (1956) inclusion of the Baltic Sea in his summary of the distribution of *C. curtus* is unknown to us. We are unaware of any other reports of this species from the Baltic, and it is not clear if Markevich's citation is based on previously unpublished information.

- Yamaguti's (1963) relegation of *C. bifurcus* Shen, 1958, to the synonymy of *C. curtus*, thereby extending the range of *C. curtus* into Pacific waters, cannot be accepted. From Shen's (1958) description and figures it is clear that there are a number of differences (e.g. the armature of the 1st and 4th thoracopods) between *C. bifurcus* and *C. curtus*.
- C. aduncus* Shen and Li, 1959
Distr.: China.
- C. aesopus* Wilson, 1920
Distr.: South Pacific (Juan Fernandez Is. and New Zealand).
- C. affinis* Heller, 1866
Distr.: Adriatic and Mediterranean seas, Atlantic coast of Africa.
- C. afurcatus* Wilson, 1913
Distr.: Jamaica.
Remarks: This species has not been found since its original description.
- C. alaihi* Lewis, 1968
Distr.: South Pacific.
- C. alalongae* Krøyer, 1863
Syn.: *nec C. alalongae* of Kirtisinghe, 1937; Yamaguti, 1954
Distr.: Atlantic coast of Africa.
Remarks: Gerstaecker (1866-79) lists this species from the Mediterranean. The source of this record is unknown to us; the only prior record is that by Krøyer (1863-64), in which the locality is not given.
- C. alatus* Heegaard, 1943
Distr.: West Indies.
- C. amblygenitalis* Pillai, 1961
Distr.: South India.
- C. angustatus* Krøyer, 1863
Distr.: Denmark.
Remarks: This species has not been found subsequent to its original description by Krøyer (1863-64), although other *Caligus* species have been repeatedly collected from gadid hosts in northern European waters. The validity of the species is thus open to question.
- C. annularis* Yamaguti, 1954
Distr.: Indo-Pacific from India to Sea of Japan.
- C. arii* Bassett-Smith, 1898
Syn.: *nec C. arii* of Barnard, 1948
Distr.: India, Ceylon.
- C. ariicolus* Wilson, 1928
Distr.: Thailand.
- C. asperimanus* Pearse, 1951
Distr.: Bahamas.
- C. asymmetricus* Pillai in Kabata, 1965
Syn.: *C. thynni* Pillai, 1963
Distr.: Indian Ocean, Pacific from Australia to Hawaii.
- C. atromaculatus* Wilson, 1913
Distr.: Jamaica.
Remarks: This species has not been found since its original description.
- C. auxisi* Pillai, 1963
Distr.: India.
- C. balistae* Steenstrup and Lütken, 1861
Distr.: Atlantic and Pacific oceans.
- C. belones* Krøyer, 1863
Syn.: *nec C. belones* of Wilson, 1905
Distr.: European waters from Denmark to Mediterranean Sea.
Remarks: Bassett-Smith's (1899) record from *Raja batis* is unusual as all other records are from *Belone bellone*.
- C. berychis* Wilson, 1936
Distr.: Cuba.
- C. biaculeatus* Brian, 1914
Distr.: North Atlantic Ocean.
Remarks: This species has not been reported since its original description.
- C. bicycletus* Heegaard, 1945
Distr.: Java.
Remarks: According to Pillai (1961) this species may be a synonym of *C. djedabae*.
- C. bifurcatus* Pearse, 1953
Distr.: Florida.
- C. bifurcus* Shen, 1958
Distr.: China.
Remarks: Yamaguti's (1963) relegation of this species to synonymy of *C. curtus* was rejected by Parker et al. (1968).
- C. biserioidentatus* Shen, 1957
Distr.: China.

- C. bocki* Heegaard, 1943
Distr.: South Pacific.
Remarks: Heegaard (1943) created a new subgenus, *Subcaligus*, for this species.
- C. bonito* Wilson, 1905
Syn.: *C. kuroshio* Shiino, 1959
Distr.: Atlantic, Pacific, and Indian oceans; Black and Mediterranean seas.
Remarks: *C. kuroshio*, proposed by Shiino (1959a) for *C. bonito* of Yamaguti, 1936, is not accepted as a distinct species.
- C. brevicaudatus* Scott, 1901
Distr.: Western Atlantic from British Isles to South Africa; Barents and Mediterranean seas.
- C. brevicaudus* Pillai, 1963
Distr.: India.
- C. brevis* Shiino, 1964
Distr.: Japan and New Zealand.
- C. brevisoris* Shen, 1957
Syn.: *nec C. brevisoris* of Pillai, 1961
Distr.: China.
- C. buechlerae* Hewitt, 1964
Distr.: New Zealand.
- C. calotomi* Shiino, 1954
Distr.: Japan.
- C. carangis* Krøyer, 1863
Distr.: Indian Ocean.
Remarks: This species has been reported only once, by Bassett-Smith (1898c), since its original description. Wilson (1905) and Kirtisinghe (1937) regarded this species as a synonym of *C. alalongae*.
- C. centrodoni* Baird, 1850
Syn.: *C. abbreviatus* Krøyer, 1863
Distr.: British waters; Norway; Black Sea.
Remarks: The Black Sea record is based on Osmanov's (1940) identification of specimens as *C. abbreviatus*. As noted by Markevich (1956) Osmanov's specimens were smaller than typical *C. centrodoni* from the British Isles.
- C. cheilodactyli* Krøyer, 1863
Distr.: Chile; Morocco.
Remarks: Wilson's (1922b) record from Morocco requires confirmation.
- C. chelififer* Wilson, 1905
Distr.: East coast USA; west coast Africa.
Remarks: The west African (Mauritania) record was a free-swimming male reported by Brian (1924). His identification is doubtful.
- C. chiloscyllii* Pillai, 1967
Syn.: *C. minutus* Pillai, 1963
nec C. minutus auctores [*lapsus* for *C. minimus* Otto, 1821]
Distr.: India.
- C. chorinemi* Kollar in Krøyer, 1863
Distr.: Tropical Pacific and Atlantic coasts of the Americas.
- C. clavatus* Kirtisinghe, 1964
Syn.: *C. sphyraeni* Pillai, 1963
Distr.: Ceylon; India.
- C. clemensi* Parker and Margolis, 1964
Syn.: *C. gumardi* of Fraser, 1920
Distr.: Pacific coast of Canada.
- C. confusus* Pillai, 1961
Syn.: *C. alalongae* of Kirtisinghe, 1937 and Yamaguti, 1954
C. constrictus of Wilson, 1937 and Shiino, 1959
Distr.: Equatorial and southern Pacific and Indian Ocean.
- C. constrictus* Heller, 1865
Syn.: *Midias carangis* Rangnekar, 1956
nec C. constrictus of Wilson, 1937 and Shiino, 1959
Distr.: Indian Ocean.
Remarks: Causey (1960) reported this species from the Pacific coast of Mexico. Other records from this general region (Wilson 1937; Shiino 1959) proved to be based on misidentified specimens of *C. confusus*. The identity of Causey's specimens needs to be reexamined.
- C. cordiventris* Shiino, 1952
Distr.: Japan.
- C. cordylo* Pillai, 1963
Distr.: South India.
- C. cornutus* Heegaard, 1962
Syn.: *C. spinosus* of Pillai, 1963
Distr.: India; Australia.
- C. coryphaenae* Steenstrup and Lütken, 1861
Syn.: ?*C. scutatus* Edwards, 1840
C. thymni Dana, 1852

- C. bengoensis* Scott, 1894
C. aliuncus Wilson, 1905
C. elongatus Heegaard, 1943
C. tesseriifer Shiino, 1952
nec C. coryphaenae of Brian, 1935; Yamaguti, 1936; Barnard, 1955
Distr.: Ubiquitous on Scombridae.
Remarks: Capart (1959) did not accept *C. bengoensis* as a synonym and Shiino (1959b) rejected the synonymy of *C. thymni* with *C. coryphaenae*.
- C. cossackii* Bassett-Smith, 1898
Syn.: *C. indicus* Pillai, 1961
nec C. cossackii of Rangnekar and Murti, 1959
Distr.: Indian Ocean.
- C. costatus* Shen and Li, 1959
Distr.: China.
- C. cunicephalus* Gnanamuthu, 1950
Syn.: *nec C. cunicephalus* of Pillai, 1963
Distr.: India.
- C. cybii* Bassett-Smith, 1898
Syn.: *C. brevisoris* of Pillai, 1961
Distr.: India, Ceylon.
- C. dakari* van Beneden, 1892
Distr.: West Africa, Ceylon.
Remarks: Brian (1924) considered *C. dakari* a possible synonym of *C. mauritanicus* and Kirtisinghe (1964) regarded *C. arii* of Barnard, 1955 as a synonym of *C. dakari*.
- C. dasycticus* Rangnekar, 1957
Distr.: India, Australia, Japan.
- C. debueni* Stuardo and Fagetti, 1960
Distr.: Chile.
- C. deformis* Brian, 1924
Distr.: Mauritania, Red Sea.
- C. diaphanus* Nordmann, 1832
Syn.: *C. isonyx* of Scott, 1891
nec C. diaphanus of Baird, 1850
Distr.: European waters from Scandinavia to Adriatic Sea, north and west Africa, Pacific coast of Panama, Ceylon.
Remarks: Bassett-Smith (1899) considered *C. diaphanus* of Edwards, 1840 not conspecific with this species. Brian (1924) stated that *C. torpedinis* could be synonymous with *C. diaphanus*, but the former species is insufficiently known to be compared in detail. Kirtisinghe (1964) regarded *C. multi-spinosus* of Pillai, 1961 as identical with *C. diaphanus* but Pillai (1967) did not agree with his opinion.
- C. dieuzeidei* Brian, 1932
Distr.: Algeria, Japan.
- C. djedabae* Rangnekar, 1956
Distr.: India.
Remarks: Pillai (1961) suggested this species might be a synonym of *C. bicycletus*.
- C. dubius* Scott, 1894
Distr.: West Africa.
- C. eleutheronemi* Shen, 1957
Distr.: China.
- C. elongatus* Nordmann, 1832
Syn.: *C. kroyerii* Edwards, 1840
C. rissoanus Edwards, 1840
C. rapax of Baird, 1850 (*partim*); of Steenstrup and Lütken, 1861; and later authors
C. lunpi Krøyer, 1863
C. gurnardi Krøyer, 1863 (*partim*)
C. trachypteri Kollar in Krøyer, 1863
C. latifrons Wilson, 1905
C. rabidus Leigh-Sharpe, 1936
C. arcticus Brandes, 1956
nec C. elongatus Heegaard, 1943
Distr.: Continental shelf of North Atlantic from Gulf of Mexico to Bay of Biscay (France); North, Baltic, and Mediterranean seas, South Atlantic (coast of Uruguay), South Australia.
Remarks: Prior to Parker (1969) numerous records of this species occurred under the name "*C. rapax*." The distribution reported above is based on Parker's (1969) reevaluation of the identity of these so-called "*C. rapax*." Records and listings of "*C. rapax*" outside the above range (e.g. Markevich (1956) for Far-eastern seas of the USSR and Barents Sea; various reports from freshwater fishes) could not be verified as referring to *C. elongatus*.
Caligus leptochilus Frey and Leuckart, 1847 has been considered by some authors to be synonymous with *C. rapax* of Baird, 1850 (i.e. *C. elongatus*), but this synonymy could not be definitely established (see Parker 1969).
- C. engraulidis* Barnard, 1948
Distr.: South Africa.
- C. enormis* Wilson, 1913
Distr.: Jamaica.
Remarks: This species has not been reported since its original description.

- C. epidemicus* Hewitt, 1971
Distr.: Australia.
- C. epinepheli* Yamaguti, 1936
Syn.: *C. cossackii* of Rangnekar and Murti, 1959
Distr.: Indo-Australian region, Japan.
- C. euthynus* Kurian, 1961
Syn.: *C. alveolaris* Heegaard, 1962
C. coryphaenae of Kirtisinghe, 1964, *partim*
Distr.: India, Australia.
- C. eventilis* Leigh-Sharp, 1934
Distr.: Molucca (Indian Ocean).
- C. fistulariae* Yamaguti, 1936
Distr.: Japan.
- C. flexispina* Lewis, 1964
Distr.: Hawaii.
- C. fortis* Kabata, 1965
Distr.: Australia.
- C. fronsuganinus* (Shen, 1940) Shen, 1949
Syn.: *Pargulus fronsuganinus* Shen, 1940
Distr.: China.
- C. fugu* Yamaguti and Yamasu, 1959
Distr.: Japan.
- C. furcisetifer* Redkar, Rangnekar and Murti, 1949
Distr.: India.
- C. germoi* Pearse, 1951
Distr.: Bahamas.
- C. glacialis* Gadd, 1910
Distr.: Arctic Ocean.
Remarks: This species has not been recorded since first described.
- C. glandifer* Shiino, 1954
Distr.: Japan.
- C. grandiabdominalis* Yamaguti, 1954
Distr.: Celebes.
- C. guerini* Guiart, 1913
Distr.: France.
Remarks: This species has not been recorded since first described.
- C. gurnardi* Krøyer, 1863
Syn.: *C. nanus* Krøyer, 1863
nec C. gurnardi of Brian, 1898; of Wilson, 1908; of Fraser, 1920
Distr.: Danish and British waters.
Remarks: The type material described as *C. gurnardi* consisted of two species, *C. gurnardi* and *C. elongatus* (see Parker 1965, 1969).
- C. haemulonis* Krøyer, 1863
Distr.: Caribbean Sea, Atlantic coast of USA, Gulf of Mexico.
- C. hamatus* Heegaard, 1955
Distr.: West Africa.
- C. hamruri* Pillai, 1964
Distr.: India.
- C. hemiconiati* Capart, 1941
Distr.: West Africa.
- C. hilsae* Shen, 1957
Distr.: China, Arabian Sea.
- C. hobsoni* Cressey, 1969
Distr.: California.
- C. hoplognathi* Yamaguti and Yamasu, 1959
Distr.: Japan.
- C. hottentotus* Barnard, 1957
Distr.: South Africa.
- C. hyalinae* Heegaard, 1966
Distr.: Texas coast.
- C. hyalinus* Chernyavsky, 1868
Distr.: Black Sea.
- C. infestans* Heller, 1865
Syn.: *C. maculatus* Heegaard, 1962
C. sphyraenae Nunes-Ruivo and Fourmanoir, 1956
Distr.: Indo-Australian region.
- C. irritans* Heller, 1865
Distr.: Tropical Atlantic and Pacific regions of the Americas, East Indies.
- C. isonyx* Steenstrup and Lütken, 1861
Syn.: *nec C. isonyx* of Scott, 1891
Distr.: Tropical Atlantic and Pacific regions of the Americas.
- C. kala* Lewis, 1964
Distr.: Hawaii.
- C. kalumai* Lewis, 1964
Distr.: Hawaii.
- C. kanagurta* Pillai, 1961
Distr.: India.
- C. kapuhili* Lewis, 1967
Distr.: Hawaii, Eniwetok Atoll.
- C. klawei* Shiino, 1959
Distr.: California.
- C. krishnai* Thomas, 1967
Syn.: *C. kuroshio* of Pillai, 1963
Distr.: South India.

- C. labracis* Scott, 1902
Distr.: British waters, Atlantic coast of South Africa.
- C. lacustris* Steenstrup and Lütken, 1861
Syn.: *C. appendiculatus* Müller, 1852
C. borealis Olsson, 1877
C. dentatus Gadd, 1906
Distr.: European and USSR fresh waters and coastal brackish waters.
Remarks: This is a common parasite of freshwater fishes in Europe, especially in the central and eastern regions. Its occurrence in the Caspian, Azov, Aral, Black, and Baltic seas indicates that it can tolerate brackish waters.
Zandt's (1938) record of "*C. rapax*" from Lake Ladoga likely refers to this species.
C. appendiculatus has been suppressed by the International Commission on Zoological Nomenclature (1971) in favour of *C. lacustris* for the reasons presented by Parker (1968a).
- C. lagocephali* Pillai, 1961
Distr.: India.
- C. lalaudei* Barnard, 1948
Distr.: South Africa.
- C. laticaudus* Shiino, 1960
Distr.: Japan, India, Eniwetok Atoll.
- C. latigenitalis* Shiino, 1954
Distr.: Japan.
- C. lepeophtheropsis* Pillai, 1967
Distr.: India.
- C. leptochilus* Leuckart in Frey and Leuckart, 1847
Distr.: Helgoland (Germany).
Remarks: This species is known from a single record. Authors referring to it subsequently considered it a synonym of "*C. rapax*." Exceptions to this opinion are Krøyer (1863) and Parker (1969). The latter pointed out some differences between *C. leptochilus* and *C. elongatus* Nordmann, 1832 and concluded that no definite decision can be reached on this subject without consulting Frey and Leuckart's specimens. These are no longer extant.
- C. lichiae* Brian, 1906
Syn.: *C. curtus* of Brian, 1898, 1899
Distr.: Italy.
- C. ligatus* Lewis, 1964
Distr.: Hawaii, Eniwetok Atoll.
- C. ligusticus* Brian, 1906
Distr.: Italy, Mauritania.
- C. lolligunculae* Capart, 1941
Distr.: West African coast.
- C. longiabdominis* Shiino, 1965
Distr.: Pacific coast of Central America.
- C. longicaudatus* Brady, 1899
Syn.: *C. vicarius* Hewitt, 1963
Distr.: New Zealand.
- C. longicaudus* Bassett-Smith, 1898
Distr.: India, Ceylon.
Remarks: The discoverer (Bassett-Smith 1899) expressed doubts as to the validity of his recent description, suggesting that this species might be synonymous with *C. trichiuri*. His suggestion was rejected by Capart (1959), in spite of its previous acceptance by Wilson (1905).
- C. longicervicis* Gnanamuthu, 1950
Syn.: *C. cunicephalus* of Pillai, 1963
Distr.: India.
- C. longipedis* Bassett-Smith, 1898
Syn.: *C. amplifurcus* Pearse, 1953
C. lucidus Heegaard, 1962
Distr.: Indian and Pacific oceans.
- C. longirostris* Heegaard, 1962
Distr.: Tasmania (Australia).
- C. lunatus* Wilson, 1928
Distr.: Red Sea, Panama, South Africa.
- C. macarovi* Gussev, 1951
Syn.: *C. fulvipurpureus* Shiino, 1954
Distr.: Asian and American continental shelf of North Pacific.
- C. malabaricus* Pillai, 1961
Distr.: India, northern Australia.
- C. mauritanicus* Brian, 1924
Distr.: East and west coasts of Africa.
Remarks: This species appears to be widespread on many teleost species off the coasts of Africa. Its broad distribution is accompanied by a broad range of morphological variability. Capart (1959) recognized a distinct variety, *C. mauritanicus* var. *minuscula*.
- C. mebachii* Marukawa, 1927
Distr.: Japan.
- C. mercatoris* Capart, 1941
Distr.: West coast of Africa.

- C. microdontus* Heegaard, 1964
Syn.: *C. dentatus* Heegaard, 1962
Distr.: Australia.
Remarks: The original description of this species (Heegaard 1962) was published under the name *C. dentatus*, preoccupied by a species of Gadd (1906), itself a synonym of *C. lacustris*.
- C. minimus* Otto, 1821
Syn.: *C. gurnardi* of Brian, 1898a
C. curtus of Brian, 1906
C. minutus auctores (*nec* Pillai, 1963)
Distr.: British waters, North Sea, European coasts from northern France to the Adriatic Sea.
Remarks: Nordmann (1832) commented on the unsuitability of the specific name, remarking that smaller species are likely to be found and that the name *C. minutus* would be more appropriate. Recognizing the priority of the original name, however, he reluctantly accepted it, only to use *C. minutus* in his description, probably as a *lapsus*. The incorrect name was subsequently used by many authors.
- C. mirabilis* Leigh-Sharpe, 1934
Distr.: Philippines.
- C. mordax* Leigh-Sharpe, 1934
Distr.: Unknown.
Remarks: The description of this species did not give either its host or the locality of the find. There are no subsequent records.
- C. mortis* Kensley, 1970
Distr.: South West Africa.
Remarks: This species is known only from free-swimming specimens.
- C. multispinosus* Shen, 1957
Distr.: China, India.
Remarks: For a controversy as to the identity of the specimens identified as *C. multispinosus* in the Indian waters, see remarks on *C. diaphanus*.
- C. murrayanus* Scott, 1894
Distr.: West coast of Africa.
Remarks: The validity of this species may be open to question. It has not been recorded since its original description (from plankton) and its type material cannot be located.
- C. mutabilis* Wilson, 1905
Distr.: Atlantic and Pacific coast of the USA, Gulf of Mexico, Pacific coast of Mexico.
- C. nengai* Rangnekar, Rangnekar and Murti, 1953
Distr.: India.
- C. novocaledonicus* Kabata, 1968
Distr.: New Caledonia.
- C. obovatus* Heegaard, 1962
Distr.: Australia.
- C. oligoplitisi* Carvalho, 1956
Distr.: Brazil.
- C. olsoni* Pearse, 1953
Distr.: California.
- C. orientalis* Gussev, 1951
Syn.: *C. japonicus* Gussev, in Isakova-Keo, 1952
Distr.: Far-eastern seas of the USSR, Sea of Japan, China.
- C. oviceps* Shiino, 1952
Distr.: Japan.
- C. pagelli* Delamare Deboutteville and Nunes-Ruivo, 1958
Distr.: Mediterranean coast of France.
- C. pageti* Russel, 1925
Syn.: *C. argilasi* Brian, 1931
Distr.: Mediterranean.
- C. pagri* Capart, 1941
Distr.: West coast of Africa.
- C. pagrosomi* Yamaguti, 1939
Distr.: Japan.
- C. patulus* Wilson, 1937
Distr.: Panama Bay.
- C. pauliani* Nunes-Ruivo and Fourmanoir, 1956
Distr.: Madagascar.
- C. paxillifer* Yamaguti, 1954
Distr.: Celebes.
- C. pectinatus* Shiino, 1965
Distr.: California.
- C. pelagicus* Kurian, 1955
Distr.: India.
- C. pelamydis* Krøyer, 1863
Syn.: *C. scomberi* Bassett-Smith, 1896
Distr.: Atlantic and Pacific oceans, Mediterranean.
- C. phipsoni* Bassett-Smith, 1898
Distr.: India, Australia.
- C. platurus* Kirtisinghe, 1964
Distr.: India, Ceylon.

- C. platytarsis* Bassett-Smith, 1898
Syn.: *C. bombayensis* Rangnekar, 1955
Distr.: Persian Gulf, India.
- C. polycanthi* Gnanamuthu, 1950
Syn.: *C. canthidermis* Yamaguti and Yamasu, 1959
Distr.: Japan, Formosa, Indian Ocean.
- C. praetextus* Bere, 1936
Distr.: Gulf of Mexico, Atlantic coast of USA.
Remarks: Yamaguti (1963), apparently in error, listed this species as occurring in Italian waters.
- C. priacanthi* Pillai, 1961
Distr.: India.
- C. proboscoidatus* Heegaard, 1962
Distr.: Australia.
- C. productus* Dana, 1852
Syn.: *C. monacanthi* Krøyer, 1863
C. lobatus Wilson, 1935
C. katuwo Yamaguti, 1936
nec *C. productus* of Krøyer, 1863; Rathbun, 1884; Wilson, 1905 (*partim*)
Distr.: Atlantic and Pacific oceans, Mediterranean.
Remarks: This species has many features in common with some other species of *Caligus* parasitic on scombrid fishes. Its taxonomy has suffered as the result of misidentifications and inaccurate descriptions. Confusion was compounded by the fact that its name is a homonym of another species described by Müller (1785) as *Caligus productus*, though subsequently transferred from the genus. Hence, erroneous host and locality listings appear in the literature (Yamaguti 1963). Wilson (1905), followed by Leigh-Sharpe (1926), considered *C. scomberi* Bassett-Smith, 1896, to be synonymous with this species. Although not adequately described, that species fits better with the description of *C. pelamydis* and was recognized as its synonym by Norman and Scott (1906). Capart (1959) relegated to synonymy with *C. productus* Yamaguti's (1936) record of *C. coryphaenae*, not accepted as a synonym by Shiino (1959b).
- C. pseudokalumai* Lewis, 1968
Distr.: Eniwetok Atoll (Pacific).
- C. pseudoproductus* Capart, 1959
Syn.: *C. productus* of Krøyer, 1863; Wilson, 1905 (*partim*)
Distr.: Southwest coast of Africa.
- C. pterois* Kurian, 1949
Distr.: India.
- C. punctatus* Shiino, 1955
Distr.: Japan.
- C. quadratus* Shiino, 1954
Syn.: *C. productus* of Rathbun, 1884; ♂ of Wilson, 1905
C. coryphaenae of Yamaguti, 1936
Distr.: Japan, Hawaii, Indian Ocean.
Remarks: Shiino (1959b) considered the male of *C. monacanthi* described by Wilson (1937) was also identical with this species, an opinion rejected by Lewis (1967).
- C. quinqueabdominalis* Heegaard, 1962
Distr.: Australia.
- C. randalli* Lewis, 1964
Distr.: Hawaii.
- C. raniceps* Heegaard, 1943
Distr.: Bay of Bengal.
- C. rectus* Pearse, 1952
Distr.: Texas coast of the USA.
- C. regalis* Leigh-Sharpe, 1930
Distr.: New Guinea.
- C. robustus* Bassett-Smith, 1898
Distr.: Indian Ocean, Mauritania, West Indies, Gulf of Mexico.
- C. rotundigenitalis* Yu, 1933
Distr.: China, India.
- C. rufimaculatus* Wilson, 1905
Syn.: *C. rapax* of Wilson, 1905
Distr.: Atlantic coast of the USA.
- C. rufus* Wilson, 1908
Syn.: nec *C. rufus* of Capart, 1959
Distr.: Atlantic coast of the USA.
- C. rugosus* Shiino, 1959
Distr.: Eastern North Pacific.
- C. russellii* Kurian, 1952
Distr.: India.
- C. sarda* Pearse, 1952
Distr.: Texas coast of the USA.
- C. savala* Gnanamuthu, 1948
Distr.: India.
- C. scabiei* Gnanamuthu, 1950
Distr.: India.
- C. schistonyx* Wilson, 1905
Distr.: Atlantic coast of the USA.

- C. sciaenae* Gnanamuthu, 1947
Distr.: India.
- C. sciaenops* Pearse, 1952
Distr.: Texas coast of the USA.
- C. sensilis* Kabata and Gusev, 1966
Distr.: Northwestern Pacific Ocean.
- C. sensorius* Heegaard, 1962
Distr.: Australia.
- C. seriolae* Yamaguti, 1936
Distr.: Japan.
- C. serratus* Shiino, 1965
Distr.: California.
- C. setosus* Pearse, 1953
Distr.: Atlantic coast of southern USA, Texas.
- C. spinosurculus* Pearse, 1951
Distr.: Bahamas (Atlantic).
- C. spinosus* Yamaguti, 1939
Syn.: *nec C. spinosus* of Pillai, 1963
Distr.: India.
- C. stromatei* Krøyer, 1863
Distr.: Indian Ocean.
Remarks: This species has not been seen since its original description by Krøyer (1863–64), although the region of its origin was fairly well covered by subsequent investigators.
- C. suffuscus* Wilson, 1913
Distr.: Jamaica, Florida.
- C. tanago* Yamaguti, 1939
Distr.: Japan.
Remarks: In all likelihood this species is rather rare, as it has been found on only one occasion in spite of fairly intensive study of its region. The original description is clear and detailed and the possibility of misidentification not very likely.
- C. tenax* Heller, 1865
Distr.: Atlantic and Indian oceans, Indonesia.
- C. tenuicaudatus* Shiino, 1959
Distr.: California.
- C. tenuifurcatus* Wilson, 1937
Distr.: Panama Bay.
- C. teres* Wilson, 1905
Distr.: Chile.
- C. tetradontis* Barnard, 1948
Distr.: South Africa.
- C. thyrsitae* Kazachenko, Korotaeva, and Kurochkin, 1972
Distr.: Great Australian Bight.
- C. torpedinis* Heller, 1865
Distr.: Indian Ocean.
Remarks: Not seen since its original description, this species is of doubtful validity.
- C. trachynoti* Heller, 1865
Distr.: Brazil.
Remarks: As for preceding species.
- C. triangularis* Shiino, 1954
Distr.: Japan.
- C. trichiuri* Krøyer, 1863
Syn.: *C. rufus* of Capart, 1941
Distr.: Indian Ocean, west coast of Africa.
Remarks: For discussion of relationship with *C. longicaudus* see remarks on that species.
- C. tripedalis* Heegaard, 1972
Distr.: New Zealand.
- C. tylosuri* (Rangnekar, 1956) Pillai, 1961
Syn.: *Tuxophorus tylosuri* Rangnekar, 1956
Distr.: India, North Pacific.
- C. undulatus* Shen and Li, 1959
Distr.: China, India.
- C. unguidentatus* Rangnekar and Murti, 1950
Distr.: India.
Remarks: The describers did not specify the locality where this copepod was found. It is inferred from the identity of its host and the region where the authors are known to have worked.
- C. (Metacaligus) uruguayensis* Thomsen, 1949
Distr.: Uruguay.
- C. validus* Pearse, 1952
Distr.: Texas coast of the USA.
- C. ventrosetosus* Pearse, 1952
Distr.: Texas coast of the USA.
- C. vexator* Heller, 1865
Distr.: Mediterranean and Adriatic seas, west coast of Africa.
- C. willungae* Kabata, 1965
Distr.: Australia.
- C. wilsoni* Delamare Debutteville and Nunes-Ruivo, 1958
Syn.: *C. belones* of Wilson, 1905
Distr.: Atlantic coast of the USA.
- C. zeii* Norman and Scott, 1906
Distr.: British waters, South Africa.
Remarks: Barnard's (1955b) record of this species is unusual, both as to the host and the locality. A possibility of misidentification should be considered.

List of Species Transferred to Other Genera

ORIGINAL NAME	TRANSFERRED TO
<i>C. apodus</i>	<i>Pseudocaligus</i>
<i>C. bagri</i>	<i>Lepeophtheirus</i>
<i>C. benedeni</i>	<i>Sciaenophilus</i>
<i>C. bennetti</i>	<i>Sciaenophilus</i>
<i>C. bicolor</i>	<i>Pandarus</i>
<i>C. branchialis</i>	<i>Lepeophtheirus</i>
<i>C. brevipedis</i>	<i>Pseudocaligus</i>
<i>C. crassus</i>	<i>Anthosoma</i>
<i>C. dussumieri</i>	<i>Pseudopetalus</i>
<i>C. formicoides</i>	<i>Pseudopetalus</i>
<i>C. gracilis</i> van Beneden, 1851	<i>Lepeophtheirus</i>
<i>C. heckelii</i>	<i>Anuretes</i>
<i>C. heptapus</i>	<i>Demoleus</i>
<i>C. hippoglossi</i>	<i>Lepeophtheirus</i>
<i>C. hirsutus</i>	<i>Parapetalus</i>
<i>C. imbricatus</i>	<i>Anthosoma</i>
<i>C. lessonius</i>	?
<i>C. longicaudatus</i> Marukawa, 1927	<i>Gloiopotes</i>
<i>C. macrurus</i>	<i>Sciaenophilus</i>
<i>C. molvae</i>	<i>Lepeophtheirus</i>
<i>C. muraenae</i>	<i>Lepeophtheirus</i>
<i>C. nautili</i>	<i>Anchicaligus</i>
<i>C. nibae</i>	<i>Sciaenophilus</i>
<i>C. nordmannii</i>	<i>Lepeophtheirus</i>
<i>C. oblongus</i>	<i>Dichelesthium</i>
<i>C. obscurus</i>	<i>Lepeophtheirus</i>
<i>C. ornatus</i>	<i>Lepeophtheirus</i>
<i>C. pacificus</i>	<i>Lepeophtheirus</i>
<i>C. paradoxus</i>	<i>Demoleus</i>
<i>C. parvus</i>	<i>Pseudocaligus</i>
<i>C. pectoralis</i>	<i>Lepeophtheirus</i>
<i>C. pharaonis</i>	<i>Sciaenophilus</i>
<i>C. productus</i> Müller, 1785	<i>Dinemoura</i>
<i>C. remorae</i>	<i>Tuxophorus</i>
<i>C. robustus</i> Krøyer in Stephensen, 1913	<i>Lepeophtheirus</i>
<i>C. salmonis</i>	<i>Lepeophtheirus</i>
<i>C. smithi</i>	<i>Anthosoma</i>
<i>C. stromii</i>	<i>Lepeophtheirus</i>
<i>C. sturionis</i>	<i>Lepeophtheirus</i>
<i>C. (Sciaenophilus) tenuis</i>	<i>Sciaenophilus</i>
<i>C. vespa</i>	<i>Lepeophtheirus</i>

List of Junior Synonyms

JUNIOR SYNONYM

C. abbreviatus
C. acutus
C. aeglefini
C. affinis Kurian, 1961
C. aliuncus
C. alveolaris
C. americanus
C. amplifurcus
C. arcticus
C. argilasi
C. bengoensis
C. bicuspidatus
C. bombayensis
C. borealis
C. canthidermis
C. caudatus
C. communis
C. dentatus Gadd, 1906
C. dentatus Heegaard, 1962
C. elegans
C. elongatus Heegaard, 1943
C. fallax
C. fulvipurpureus
C. indicus
C. japonicus
C. katuwo
C. kroeyeri
C. kuroshio
C. laticorpus
C. latifrons
C. lobatus
C. lucidus
C. lumpi
C. maculatus
C. minutus auctores (nec Pillai, 1963)
C. minutus Pillai, 1963
C. monacanthi
C. mülleri
C. nanus
C. rabidus
C. rapax
C. rissoanus
C. scomberi

SENIOR SYNONYM

C. centrodonti
C. savala
C. curtus
C. savala
C. coryphaenae
C. euthymus
C. curtus
C. longipedis
C. elongatus Nordmann, 1832
C. pageti
C. coryphaenae
C. curtus
C. platytarsis
C. lacustris
C. polycanathi
C. diaphanus
C. orientalis
C. lacustris
C. microdontus
C. curtus
C. coryphaenae
C. curtus
C. macarovi
C. cossackii
C. orientalis
C. productus Dana, 1852
C. elongatus Nordmann, 1832
C. bonito
C. orientalis
C. elongatus Nordmann, 1832
C. productus Dana, 1852
C. longipedis
C. elongatus Nordmann, 1832
C. infestans
C. minimus
C. chiloscyllii
C. productus Dana, 1852
C. curtus
C. gurnardi
C. elongatus Nordmann, 1832
C. elongatus Nordmann, 1832
C. elongatus Nordmann, 1832
C. pelamydis

C. sphyraenae
C. sphyraeni
C. tesserafer
C. thymni
C. thymni Pillai, 1963
C. trachypteri
C. vicarius

C. infestans
C. clavatus
C. coryphaenae
C. coryphaenae
C. asymmetricus
C. elongatus Nordmann, 1832
C. longicaudatus Brady, 1899

**List of *Nomina Nuda*, *Species Inquirendae*,
and Rejected Names**

*C. appendiculatus*¹
C. cristata
C. exilis
C. fisus
C. gayi
C. gracilis Dana, 1852²
C. hippuris
C. lepidopi
C. micropus
C. petersi

C. platessae
C. salaris
C. scombri J. V. Thompson
in W. Thompson, 1856
C. scutatus
C. serrani
C. smaris
C. trachini
C. trachuri
C. yamaguti

¹ Suppressed in favor of *C. lacustris*.

² Homonym of *C. gracilis* van Beneden, 1851.

List of Misspellings

INCORRECT SPELLING

C. abbreviatus
C. alolaris
C. amplifurcatus
C. arctus
C. biarticulatus
C. büchlerae
C. calistae
C. cincabdominalis
C. euthynnus
C. fulvipurpureus
C. gurrardi
C. heptatus
C. lessonianus
C. licustris
C. longicaudatus Bassett-Smith, 1898
C. longipes
C. lumpy
C. pelamidis
C. platytarsus
C. probosci
C. schistonix
C. scombrī
C. tesselifēr
C. thymni Dana, 1852
C. trachinoti
C. tricuspīdatus

CORRECT SPELLING

C. abbreviatus
C. alveolaris
C. amplifurcus
C. curtus
C. biaculeatus
C. buechlerae
C. balistae
C. quinqueabdominalis
C. euthynnus
C. fulvipurpureus
C. gurnardi
C. heptapus
C. lessonius
C. lacustris
C. longicaudus
C. longipedis
C. lumpi
C. pelamydis
C. platytarsis
C. proboscīdatus
C. schistonyx
C. scomberi
C. tesserifer
C. thymni
C. trachynoti
C. bicuspidatus

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