

Gaetanus valid

Heterideidae - Calanoidea

Giesbrecht, 1888.

G. miles ♂

Syn. Gaetanus, Giesbrecht, 1888, p. 335.

Gaetanus, Esterly, 1906, p. 56.

Gaetanus Giesbrecht, 1892, p. 219.

Aetidius (pars) T. Scott, 1893, p. 71.

Gaetanus Giesbrecht & Schmeil, 1898, p. 3.

CALANOIDA, AETIDEIDAE

G A E T A N U S

GIESBRECHT, 1888

- , TANAKA, 1957b: 56
- , TANAKA, 1967d: 169, 205
- , PARK, 1978: 136 (KEY TO ANTARCTIC SPECIES (FEMALES))
- , Bradford & Jillett, 1980, pp. 45, 48
- , Gardner & Szabo, 1982, p. 25, 225.
- MAUCHLINE 1988: 729-; FIG. 19F, PORE SIGNATURE
- CAMPANER ~~1986~~<sup>1989, b</sup>: 95-98, SEPARATE FROM G A I D I U S;  
AMENDED DIAGNOSIS

Gaetanus antarcticus Wolfenden, ♀, 1905

— — Wolfenden, 1908, p. 30; pl. 3, fig. 6.

— — Wolfenden, 1905, p. 7; <sup>8, pl. 3</sup> 1911, p. 229.


— — Brady, 1918, p. 19; pl. 3, figs. 1-6, 19.

-- Tanaka & Emori, PFO, pp. 109, 131-132, fig. 8(a-e)

Habitat. Antarctic Ocean.

--, Arcos, 1976: 93, 99; fig. 7; TAB. II

--, Grice & Hulsemann, 1968: tab. 2

-- Bjornberg, 1981: 630,  fig. 210 #10

- - Farran, 1929, p. 233.

- - , SEWELL, 1947, p. 65, FIG. 11; A-F.

- - ; Vervoort, 1957, p. 62-0. figs. 41-43.

- - ; Park, T., 1975, p. 9-34.

- - , PARK, 1978: 94, 136, 141-144 ♀; FIGS. 25-26

- - MONTU' & CORDEIRO 1986: 88-, S. ATLANTIC

- RAZOULS 1994: 71-, Pl. 28, ANTARCTIC; 10

Aetidiidae - Calanoida.

Gaetanus armiger Giesbrecht, ♂, ♀.

— — Giesbrecht, 1888, p. 335;

— — Giesbrecht & Schmeil, 1898, p. 33.

— — Cleve, 1904, p. 191.

— — Stebbing, 1910, p. 526

Habitat. So. Africa: Tropical Pacific.  
Gulf of Guinea.

- ot — — I. C. Thompson, 1903, p. 17 (= *G. kruppi*).
- ot — — Norman, 1903, p. 137 (= *G. kruppi*).
- — Giesbrecht, 1892, p. 219; pl. 14, f. 19, 20,  
22, 23, 26, 28, 29; pl. 36, f. 2, 4, 5.
- — T. Scott, 1893, p. 71; pl. 8, figs. 16-27.
- — Wolfenden, 1904, p. 111.
- — Sars, 1905, a, p. 4.
- — Pearson, 1906, p. 14.
- — v. Breemen, 1908, p. 39: text-fig. 44.
- — A. Scott, 1909, p. 45: pl. 8, figs. 16-22.
- — Sars, 1925, p. 59: pl. 18, figs. 1-2.
- — Wilson 1942, p. 187

Gaetanus armiger-2

- \_\_\_\_ Sewell, 1929, p. 101, Indian O.  
-- --, Anraku, 1954, pp. 124-136. Aleutian Is.  
-- --, MORI, 1937, P. 40, JAPAN  
-- --, Chiba, 1956, p. 56, fig. 50A-H.  
-- --, Jeyerson, 1940, p. 21. Iceland.  
-- --, Honjo et al, 1957. pp. 120-128  
-- --, Tanaka, 1969, pp. 257-259, fig. 3 a-e  
-- --, Chiba, 1956, p. 56, fig. 50  
-- -- Tanaka, Smore, 1970, pp. 109, 133  
-- --; FIGUEIRA 1971: 143.

--, Park, 1973, p. 1600, record of Davis, 1949=  
G. intermedius

--, Fulton, 1968, p. 37, some fefs. are syn. of  
G. intermedius

--, Morris, 1970, p. 230<sup>4</sup>.

--, Roe, 1972a, pp. 302-

--, Park, T., 1975, p. 9-34, fig. 10+11.

--, Furuhashi, 1966: 304, 312

--, Furuhashi, 1961: 106

--, TANAKA, 1957d: 169, 172 ♀

--, PARK, 1978: 136, SYN: G. ATLANTICUS

--, Chiba & Hirakawa 1972: Tab. 2.



Gaetanus armiger GIESBRECHT

- , MOTODA + MINODA, 1974: 232.
- , PARK, 1973, p. 1600
- , Madhupratap, et al 1981: 266-267
- Tanaka, 1965a: 19, fig. 5a-d.
- MADHUPRATAP & HARIDAS, 1986: 108, INDIAN OCEAN
- Devey & Brooks, 1977: 263
- Soldevilla, et al 1988: 58 Canary Islands
- ARMINGER, CAMPANER <sup>1989b</sup> ~~1986b~~: 98
- SHIH ET AL. 1971: 143, CANADA - PACIFIC

Actinoptera - Calanoida,

Gaetanus ascendens Esterly, ♀,

139: pl. 12, f. 5

— — Esterly, 1913, p. 182: pl. 10, f. 1, 3, 6: pl. 11, f.

— —, BRODSKY, 1950, P. 165, Fig. 80, USSR,

— —, Park, T., 1975, 9-34.

— —, (= G. BREVICORNIS), PARK, 1978: 136

Habitat. California Coast.

Caetanus atlanticus Wolfender, 1904

--Park, T., 1975, p. 9-34

--, (= G. ARMIGER), PARK, 1978:136

Gaetanus brachyurus G.O. Sars, ♀. ①

— — Sars, 1907, p. 10

— — Sars, 1925, p. 62: pl. 18, figs. 9-10.

— —, JESPERSEN, 1934, p. 63 w. GREENLAND WATERS.

" 1940, p. 22, SW of Iceland.

— —, Grice &amp; Hulsemann, 1967, p. 23;

— — —, Park, T., 1975, p. 9-34, fig. 1 and 2.

Habitat. Temperate Atlantic.

— —, PARK, 1978: 186

— —, Grice &amp; Hulsemann, 1968, 327

— Devey & Brooks, 1977: 26<sub>3</sub>

Gaetanus brachyurus G. O. Sars, 1907

card 2

-- Mauchline 1988: 729

-- GÍSLASON & ÁSTTHORSSON 1992: 221, TAB. 1, ICELAND

Gaetanus brevicaudatus Wolfenden, ♀

— — Wolfenden, 1911, p. 227: pl. 26. figs. 11-12:  
text-fig. 15, a-b.

--, Park, 1975, p. 9-34

--, PARK, 1978: 136

Habitat. Atlantic.

Gaetanus brevicornis Esterly ♀

— Esterly, 1906, p. 56; pl. 9, f. 4; pl. 12, f. 55.

— rectus, Sewell 1929, p. 105

— —, Brodsky, 1950, p. 145, fig. 29, USSR

— —, Sewell, 1947, p. 60, fig. 9 A-B.

— — Tanaka, Onori, 1970, pp. 109, 133-135, fig 9(a-g).

Habitat. Pacific, California Coast.

— — Park, T., 1975, p. 9-34, fig. 7.

— —, Bradford & Jillett, 1970, p. 48; fig. 31.

— ~~Marques, 1958.~~

- PARK, 1978: 136 340: G. ASCENDENS; G. RECTUS

- Marques, 1953: 98, fig 1c, d.

- Devey & Brooks, 1977: 263

- SARGENT & HENDERSON 1986: 67-

- ACKMAN ET AL. 1974: 1816



Gaetanus campbellae Park, 1975

-- Razouls 1994: 10

Aetideidae. Calanoidea  
Gaetanus caudani Canu, ♂

= G. pileatus

~~Not~~ Wolfenden, 1904, p. 114: pl. 9, figs. 20-22.

~~Not~~ A. Scott, 1909, p. 46: pl. 8: figs. 9-15.

~~Not~~ G. O. Sars, 1905, p. 4; Pearson, 1906, p. 13.

Synonyms of Gaetanus pileatus

(With, 1915, p. 104)

~~Not~~ Wolfenden, 1908, p. 31: v. Bremen, 1908, p. 42: f. 48

~~Not~~ — A. Scott, 1909, p. 46: pl. 8, f. 9-15.

— — Canu, 1896, p. 422

— — Giesbrecht & Schmeil, 1898, p. 33.

- pileatus Sars 1925, p. 57

--, Stormer, 1929, p. 48

T, Wolfenden, 1905, p. 8 - syn. of G. pileatus (~~With, 1915~~)  
(see Roe, 1972b, p. 338)

- Park, T., 1975, p. 9-34

, (= G. PILEATUS), PARK, 1978: 139

Habitat. Gulf of Gascoigne.

Aetideidae - Caranidae  
Gaetanus clarus Esterly, ♂.

— — Esterly, 1906, p. 57: pl. 9, fig. 5; pl. 14, fig. 90

— — Park, T., 1975, 9-

--, (= G. KRUPPII), PARK, 1978: 136

Habitat. Pacific near California.

GAETANUS CHARUS ESTERLY 1906

— —, BRODSKY, 1950, P. 166, FIG. 81, USSR

Gaetanus columbiae

-- Sargent & Henderson 1986: 67-

Aetideidae - Calanoida.

Gaetanus curvicornis G.O. Sars. ♀.

— — Sars, 1905, p. 11

— — Sars, 1925, p. 55: pl. 17, fig. 2.

— —, SEWELL, 1947, p. 67, FIG. 12-A-E. - Arabian Sea, N.

— —, JESPERSEN, 1934, p. 60, S. DAVIS STR. GREENLAND WATERS

?-- , Vives, 1972, p. 210.

Habitat, Station 1856. Monaco (1 specimen)  
Median Atlantic.

— Devey & Brooks, 1977: 263

- Park, T., 1975, p. 9 -

--, WHEELER, 1970: TAB. 4

--, PARK, 1978: 136

- MARKHASEVA 1980 6: 626-629, PL. VI FIG. 2

- MAUHLINE 1988: 729



GAETANUS CURVIROSTRIS SARS, 1905

--, PARK, 1978: 136

Aetideidae-Calanoida

Gaetanus curvispinus Wilson

Wilson, C.B., 1950, pp. 229-230, Pl. 10, figs. 108-113.

-- Park, T., 1975, p. 9 -

--, PARK, 1978: 136

<sup>Aetideidae - Calanoida -</sup>  
Gaetanus denticulatus Aurivillius, ♀.

— — Aurivillius, 1898, p. 30: figs. 1, 2, 3, text

Habitat. Gullmarfjord, Skagerack,

Aetideidae - Calanoida

Gaetanus divergens Wolfenden, ♀

— — Wolfenden, 1911, p. 226: pl. 26, figs. 7-10:  
text-fig. 14.

-- Park, T., 1945, p. 9-

--, PARK, 1978: 136

Habitat. Atlantic.

Aetideidae-Calanoidea

Gaetanus ferox With, ♂.

— — With, 1915, p. 111; <sup>112</sup>text-figs. 28, a-b.

-- --, Grice & Hulsemann, 1967, p. 23;

-- Roe, 1975, p. 306.

-- Park, 1975, p 9-

--, PARK, 1978: 136

Habitat. N. Atlantic.

Gaetanus ferox (With 1915)

card 2

-- Soldevilla, et al. 1988: 58 Canary Islands

Aetideidae - Calanoida.

Gaetanus hamatus A. Scott, ♀.

— — A. Scott, 1909, p 50: pl. 9, figs. 16-22.

? — rectus, Sewell 1929, p. 105

-- Park, T., 1975, p. 9-

--, PARK, 1978: 136

Habitat. Banda Sea.

Gaetanus holti Farran, ♀.

— — Farran, 1905, p. 33: pl. 6, figs. 1-12.

— — Farran, 1904, p. 603.

— — Wolfenden, 1905, p. 7: 1908, p. 31.

A synonym of Gaetanus latifrons  
(With, 1915, p. 108); Verwoort, 1957.

— — Wolfenden, 1911, p. 232: text-fig. 19.

--, PARK, 1978: 136



- Park, T., 1975, p. 9 -

Gaetanus intermedius Campbell, 1930, p. 178, pl. 1 (2, 3) <sup>figs.</sup>

= See Wolfender 1965 Gaedius <sup>intermedius</sup>

\_\_\_\_ Campbell 1930, p. 178, pl. 1 figs. 2, 3 ♀  
British Columbia

? --- ; Vervoort, 1957, p. 61.

---, Park, 1973, pp. 1597-1600, 2 figs. (syn.: G.

simplex Brodsky, G. armiger of Davis, 1949)

---, Fulton, 1968, p. 37, fig. 16, some refs. of  
G. armiger are syns.

--- Park, T., 1975, p. 9-

---, PARK, 1978: 136

--- FIGUEIRA 1971: 143.

(Homonym)

- , Gardner & Szabo, 1982, p. 25, 226 - det. fig. 14.5.1
- , Park, 1973, pp. 1597-1600
- MAUCHLINE 1988: 729
- SHIH ET AL. 1971: 143, CANADA - PACIFIC
- COYLE ET AL. 1990: 763-, AUK BAY - ALASKA

- Wolfenden 1905 - Gaidus intermedius  
: 6-7 pl. 3.  
= Gaetanus intermedius.

Gaetanus inermis G.O. Sars, ♀.

-- Park, T., 1925, p. 9 -

-- Sars, 1905, p. 12

-- Wolfenden, 1908, p. 32.

-- Sars, 1925, p. 64: pl. 19, figs. 3-5.

-- Rose, 1929, p. 19.

-- Wolfenden, 1905, p. 8

Habitat. Station 1856, Monaco (1 specimen)

Temperate Atlantic.

-- (= GAIDIUS INERMIS) PARK, 1925: 107

-- Gric & Hulsemann, 1968: 327 (~~Sars~~: Gaetanus inermis)

--, Vervorrt, 1952; Zooplankton Sheet, Cons. Explor  
Mer. 45: 4pp, fig 1-5.

Gaetanus kruppii Giesbrecht, ♂, ♀. (1)

- — Giesbrecht, 1903, p. 202: pl. 7, f. 8: pl. 8, f. 29
- armiger I.C. Thompson, 1903, p. 17.
- major, n.sp. Wolfenden, 1903, p. 125.
- armiger Giesbrecht, Norman, 1903, p. 137

Habitat Indian Ocean; S. & N. Atlantic  
Mediterranean.

- major Wolfenden, 1904, p. 114: pl. 9, figs. 7-8.
- — Farran, 1905, p. 33: Pearson, 1906, p. 14.
- — Farran, 1908, p. 36: Wolfenden, 1908, p. 32.
- — van Breemen, 1908, p. 40: fig. 45.
- — Wolfenden, 1911, p. 231.
- Kruppi G. O. Sars, 1905, p. 4.
- — v. Breemen, 1908, p. 41: fig. 47.
- — Wolfenden, 1908, p. 32.
- — A. Scott, 1909, p. 48: pl. 9, figs. 9-15 (♀).
- — <sup>97-103</sup> ~~not~~ (♂), pl. 10, figs. 1-9.
- — With, 1915, p. <sup>103</sup> 97: pl. 3, f. 3, a-h; text-fig. 25, a-o.
- — Sars, 1925, p. 61: pl. 18, figs. 5-8.
- — Rose, 1929, p. 19. — — Wilson, 1932, p. 2: fig. 32.

— — Wilson 1942, p. 187

— — Sewell 1929, p. 102, Indian O.

— —, SEWELL, 1947, P. 62, FIG. 10.

— —, JESPERSEN, 1934, P. 62. S.W. DAVIS ST. GREENLAND WATERS,  
1940, p. 22. Iceland.

--, Stormer, 1929, p. 48

-- Park, T., 1975, p. 9-34, fig. 8.

--, PARK, 1978: 136-139<sup>†</sup>; FIGS. 21-22; SYN: G. MAJOR;

G. CLARUS

--, FASHAM, ET AL., 1974: TAB. 1



-, OWREN & FOYD, 1964a: 343

-, SCOTTO DI CARLO, ET AL., 1975: 183, 184, 185; FIG. 3, 4

TAB. 1

Gaetanus Kruppii

(3)

- --, Furuhashi, 1961. p. 8
- , Roe, 1972a, pp. 294-
- , Vives, 1972, p. 210.
- Tanaka & Omori, 1970, pp. 109, 135-137.  
fig 10, (♂-♀)
- , Furuhashi, 1966: 302
- , Furuhashi, 1961: 106
- Binet & Dessier, 1968: 7, OFF MADAGASCAR

Gaetanus kruppi Giesbrecht, 1903

(4)

- --, Hure & Scotto di Carlo, 1968, p. 48.
- --, Machellan, SHIH, 1974, p. 1348.
- , TANAKA, 1957 d: 169-171 ♀♂ FIG. 41
- , Bradford & Jillett, 1980, pp. 48, 50-51, fig. 32.
- , Grice & Hulsemann, 1968: tbl. 2
- Deevay & Brooks, 1977: 263
- MAZZA 1965: 285-296, FIGS. 1-7, DEVELOPMENT,  
WESTERN MEDITERRANEAN; 306
- Vives, 1978: 265, tbl. 1
- MAUCKLINE 1988: 729
- Soldevilla, et al. 1988: 58 Canary Islands

Gaetanus kruppi Giesbrecht, 1903

card 5

-- Campaner <sup>1989b</sup> ~~1986b~~:98

- COPLBY ET AL. 1989:12-, NW ATLANTIC
- KRUPPI, SUÁREZ M. 1992:134-, GULF OF MEXICO
- SUAREZ & GASCA 1991:596-, GULF OF MEXICO
- FERRARI 1993b: 766-, TAB. 1
- RAZOUKS 1994:10
- GISLASON + ASTTHORSON 1992: 221, TAB. 1, ICELAND

- Holti Wolfenden, 1908, p. 31; 1911, p. 232: f. 19.  
— — A. Scott, 1909, p. 49: pl. 10, figs. 10-17.  
— latifrons Witt, 1915, p. 108: pl. 3, f. 5, a-g; text f. 27, a-e.  
— — Sars, 1925, p. 57: pl. 17, figs. 7-9.  
— — Rose, 1929, p. 18.  
— — Wilson 1942, p. 187  
— — Sewell 1929, p. 102  
— —, Jespersen, 1940, p. 20-21. South of Iceland.  
— —, Owre, 1962  
— —; Vervoort, 1957, p. 61-62.  
— —; Bradford, 1970 p. 346  
— —, Roe, 1972a, pp. 294-  
— —, Vives, 1972, p. 210.  
— Tanaka & Omori,  
—, PARK, 1978: 95, 136, 144  
— (1970, pp. 109, 138-139,  
(fig 11, a-d)

GÆTANUS LATIFRONS SARS, 1905 CARD ☺

-- T. SCOTT, 1909: 127, NORTH SEA OFF IRELAND

-- OWRE & FOYO, 1972: TAB. 3

-- BRADFORD & JILLETT, 1980, p. 51, fig. 33.

-- GRICE & HULSEMAN, 1968: t. 1. 2

-- MADHUPRATAP & HARIDAS, 1986: 108, INDIAN OCEAN

-- DEEVEY & BROOKS, 1977: 263

-- MARKHASEVA 1980 b: 626-629, PL. VI FIG. 3

-- MAUGHLINE 1988: 729

-- REID 1990 g: 185

-- RAZOULS 1994: 10

Gaetanus latifrons G.O.Sars, ♂.♀.

- — Sars, 1905, p. 11; Pearson, 1906, p. 14.
- holti, n.sp. Farran, 1905, p. 33: pl. 6, figs. 1-12.
- longispinus, n.sp. Wolfenden, 1905, p. 7: pl. 3.
- latifrons Farran, 1908, p. 36: v. Breemen, 1908, p. 30, f. 43.
- —, Sewell, 1947, p. 69. *Antarctic Sea*, n.

Habitat. North Atlantic: Malay Archipel-  
ago.

- —, Bradford, 1970, p. 353, fig. 15, 16
- —, Park, T., 1975, p. 9-34, fig. 3.

Gaetanus longispinus Wolfenden, ♀, 1905

— Wolfenden, 1905, p. 7; <sup>8</sup>pl. 3.

— Park, T., 1975, p. 9-

A synonym of Gaetanus latifrons  
(With, 1915, p. 108); Vervoort, 1957.



Gaetanus major Wolfenden, ♂. ♀. ①

- Wolfenden, 1903, p. 125 (Fowler).
- Wolfenden, 1904, p. 114: pl. 9, f. 7-8.
- Wolfenden, 1908, p. 31: 1911, p. 231.

A synonym of Gaetanus krüppi.  
(With, 1915, p. 97).

Scott, Sewell 1929, p. 102

-- Park, T., 1975, p. 9-

-- (= G. KRUPPI), PARK, 1978: 136

GAETANUS MAJOR WOLFENDEN

CARD 2

-- MAZZA 1965: 285-286

Aetideidae-Calanoida

Gaetanus microcanthus Wilson

Wilson, C.B., 1950, pp. 231-232, Pl. 11, 114-116;

Pl. 19, fig. 246.

--Park, T., 1975, p. 5-

--, PARK, 1978: 136

Helidaeae - Calanoida  
Gaetanus miles Giesbrecht, ♀.

— — Giesbrecht, 1888, p. 335.

— — Giesbrecht, 1892, p. 219: pls. 14 & 36.

— — Giesbrecht, 1895, p. 248: Norman, 1903, p. 136

— — I. C. Thompson, 1903, p. 17; Cleve, 1904, p. 191.

— — Park, T., 1975, p. 9 —

Habitat. N. & S. Atlantic: Pacific.

- — Giesbrecht & Schmeil, 1898, p. 32.  
— — Sars, 1905, p. 3 : Pearson, 1906, p. 14.  
— — Farran, 1908, p. 36 : Wolfenden, 1913, p. 231.  
— — v. Breemen, 1908, p. 39 : fig. 42.  
— — A. Scott, 1909, p. 44 : pl. 8, figs. 1-8.  
— — Witt, 1915, p. 107 : pl. 3, fig. 7, a-b.  
— — Stebbing, 1910, p. 526.  
— — Wolfenden, 1911, p. 231.  
— — Sars, 1925, p. 54 : pl. 17, fig. 1.  
— — Rose, 1929, p. 18.  
— — Wilson, 1932, p. 51 : fig. 31. 1942, p. 187  
— — Sewell 1929, p. 102      — —, Sewell, 1947, p. 58  
— —, BRODSKY, 1950, p. 168, fig. 85, USSR

GAETANUS

MILES

GIESBRECHT

(2)

— —, JESPERSEN, 1934, P. 61, N. BAFFIN BAY, GREENLAND WATER

-- --, Grice, 1962. p. 192, pl. 8, fig. ~~14-20~~ 8-13

-- --, Heinrich, 1961. p. 85 (vertical distribution)

~ ~, Owre, 1962

-- -- Grainger, 1965, pp. 543-564.

-- --, Heinrich, 1960, p. 4

-- --, Morris, 1970, p. 2300

-- --, TANAKA, 1957d: 169, 174-175 ♀ FIG. 42 H-L

-- --, PARK, 1978: 136; 340. G. SECUNDUS

--, DEEVEY, 1971: TAB. 3

--, OWREN & FOYO, 1972: TAB. 3

--, OWREN & FOYO, 1964/6: 363

--, CALEF & GRICE (UNPUBL.) IN KETCHUM & RYHER  
1966 (UNPUBL.): APPENDIX

Gaetanus miles

card # 3

- , Heinrich, 1960, p. 1, 10, 13
- , Wolfenden, 1905, p. 8
- , Roe, 1972a, pp. 294-
- , Roe, 1972b, pp. 337-339.
- , Vives, 1972, p. 210.
- , Tanaka & Omori, 1970, pp 109, 139-140.
- , Park, T., 1975, p. 9-34, fig. 4, 5.
- , Furuhashi, 1966: 304
- , Bradford & Sillett, 1980, p. 51, fig. 34.
- , Gardner & Szabo, 1982, p. 25, 228-229, fig. 14.5-2
- , Grice & Hulsemann, 1968: t. 1. 2



- Chen, Zhang, Chen, 19-- : 65
- Vaupel-Klein, 1984: part 7, 55, fig. 8c, 10e,  
14f, k, 15h, 16o, 17e, f, h, 18f.
- SANDER + NOORE 1978: 233.
- WICKSTEAD 1962: 549
- Tanaka, 1965a: 19, fig. 6a-c
- MADHUPRATAP + HARIDAS, 1986: 108, INDIAN OCEAN
- Devey & Brooks, 1977: 263
- CAMPANER <sup>1989</sup> ~~1986~~: 96-98, FIG. 1 F, OFF S. BRAZIL
- SUAREZ, F. + GASCA 1989a: 198-, YUCATAN CHANNEL
- SUAREZ, F. + GASCA 1989c: 94-, COSTA RICA DOME
- COPLEY ET AL. 1989: 12-, NW ATLANTIC

Gaetanus miles Giesbrecht, 1888

card 4

-- Reid 1990g:185

-- SUÁREZ M. 1992:134; GULF OF MEXICO

-- SUAREZ + GASCA 1991:596; GULF OF MEXICO

Gaetanus minispinus Tanaka

- -- Tanaka, 1969, pp. 260-262, fig. 4 a-h
- Tanaka: Omori, 1970, pp. 109, 140.
- Park, T., 1975, p. 9-
- , PARK, 1978: 136
- , Bradford & Jillett, 1980, pp 51, 55, fig. 35.

Metideidae-Calanoida  
Gaetanus minor Farran, ♀.

- — Farran, 1905, p. 34: pl. 5, figs. 1-11.  
— — Pearson, 1906, p. 14; Farran, 1908, p. 37.  
— — v. Breemen, 1908, p. 41: fig. 46.  
— — Wolfenden, 1908, p. 32; 1911, p. 233: text-fig. 20, a-  
—, Park, 1973, p. 1597  
—, Park, T, 1975, p. 9-34, fig. 9.

Habitat, North Atlantic.

- — A. Scott, 1909, p. 47: pl. 9, figs. 1-8  
— — (minimus, n. sp.?) Wolfenden, 1911, p. 223: text f. 20, a-e.  
— — With, 1915, p. 103: <sup>104</sup> pl. 3, fig. 4a.  
— — Farran, 1904, p. 603.  
— — Farran, 1929, p. 233.  
— — Sars, 1925, p. 60: pl. 18, figs. 3-4.  
— — Wilson 1942, p. 188  
— — Sewell 1929, p. 102, Indian O.  
— —, Anraku. 1954, pp. 124-136... Aleutian Is.  
— —, SEWELL, 1947, p. 59,  
— —, JESPERSEN, 1934, p. 62, S.W. OF ICELAND. 1940, p. 21-22. Iceland  
— —, Grice, 1962. pp. 192, 194; pl. 8, fig. 14-20  
— —, Heinrich, 1961. p. 85 (vertical distribution)

Gaetanus minor Farran, 1905

(2)

- --, Omori, 1965. pp. 18-27  
-- --, Owre, 1962  
--- ---, Vilela, 1969, p. 17, Est. 3 fig. 2  
-- --; Park, 1970, p. 476  
-- --; Vervoort, 1957, p. 61.  
-- --; Bradford, 1970 p. 346  
-- --, Bradford, 1972, p. 38, fig. 7.5-7.7  
-- --, Beklemishev, 1961, p. 142  
-- --, Morris, 1970, p. 2300.  
-- --, Roe, 1972a, pp. 294-  
-- --, Roe, 1972b, pp. 336, 338.  
-- --, Roe, 1972d, p. 1041, 1043.

- Marques, 1958 : 209  
, Vives, 1972, pp. 209, 210, 237, 238.

*G. minor*

- Tanaka: Omori, 1970, pp 109, 140-141.

--, Furuhashi, 1966: 297, 298, 302, 304, 306, 309, 312

--, Furuhashi, 1961: 106

-, TANAKA, 1957d: 169, 172-174 FIG 42 E-G

--, WHEELER, 1970: TAB. 4

-, PARK, 1978: 95, 136, 144; FIGS. 27, 28

-, CORREAL & ALVAREZ-OSSORIO, 1978: 138, 160

-, DEEVEY, 1971: TAB. 3

-, BINET & DESSIER, 1971: 437, 452

-, BINET, ET AL., 1972: 133, 135

GAETANUS MINOR FARRAN, 1905 CARD 3

- , FASHAM, ET AL, 1974: ~~FIG.~~ TAB. 1
- , OWREN & FOYO, 1972: TAB. 3
- , OWREN & FOYO, 1964b: 363
- , CALEF & GRICE (UNPUBL.) IN KETCHUM & RUTHER,  
1966 (UNPUBL.): APPENDIX
- , Cervigon & Marciano 1965: 280.
- Parvi, 1973, p. 1597
- Chen, Zhang, Chen, 19--: 82
- GRICE & HART 1962b: TABLE 3, W. NORTH ATLANTIC



- Binet & Dessier, 1968:8, OFF MADAGASCAR
- Bjornberg, 1981:630, fig. 210 # 9
- MADHUPRATAP & HARIDAS 1986: 108, INDIAN OCEAN
- Devey & Brooks, 1977:263
- DeDecker, 1984:316
- Vives, 1978: 265, tbl. 1
- MAUCHLINE 1988: 729

- Soldevilla, et al. 1988: 58 Canary Islands
- CUMMINGS 1982: 33-, GULF OF MEXICO
- CAMPANER ~~1986~~<sup>1989</sup> 6: 95-98, FIG. 1a-e, OFF S. BRAZIL
- ROE 1974: 107-, N. ATLANTIC
- SUAREZ, E. + GASCA 1989a: 1987, YUCATAN CHANNEL
- SUAREZ, E. + GASCA 1989c: 94-, COSTA RICA DOME
- COPLEY ET AL. 1989: 12-, NW ATLANTIC
- SUÁREZ, E. ET AL. 1990: 126-, W. GULF OF MEXICO
- REID 1990g: 185
- SUÁREZ M. 1992: 134-, GULF OF MEXICO

Gaetanus minor Farran, 1905

card 5

-- Razouls 1994: 10

Gaetanus minutus (Sars, 1907)

- Park, T., 1975, p. 9-34 fig 13 (p. 31)

PAE IANUS

PARACURVICORNIS

(BRODSKY)

-- BRODSKY, 1950, P. 167, FIG. 84, USSR

-- Park, T., PDS, P. 9 --

-- Harding, 1974, p. 141.

--, PARK; 1978: 136

-- MARKHASEVA 1980b: 626-629, FIGS. VI 1, 4-11 -  
DESCRIBES ♀, KURILO-KAMCHATSKA: TROUGH

Metidaeidae-Calanoidea  
Gaetanus pileatus Farran, ♂.♀.

- — Farran, 1903, p. 16: pl. 17, figs. 1-11
  - — Farran, 1905, p. 33: 1908, p. 35.
  - — Wolfenden, 1911, p. 229: pl. 27, f. 1-2: text f. 17, a-c
  - — With, 1915, p. 104: <sup>107</sup>pl. 3, fig. 6a: text f. 26, a-e.
  - — Park, T., 1975, p. 9-34, fig 6.
- Habitat. N. & S. Atlantic: Malay Archipelago

- *caudani* Wolfenden, 1904, p. 114: pl. 9, f. 20-22.  
— — Sars, 1905, p. 4; Pearson, 1906, p. 13.  
— — Wolfenden, 1908, p. 31; v. Breemen, 1908, p. 42: f. 48.  
— — A. Scott, 1909, p. 46: pl. 8, figs. 9-15.  
— — Sars, 1925, p. 56: pl. 17, figs. 3-6  
— — Sewell 1929, p. 103, fig. 40, juv.  
— —, Sewell, 1947, p. 60.  
— —, Jespersen, 1940, p. 20. Iceland.  
— —; Park, 1970, p. 476  
— —, Roe, 1972a, pp. 294-  
— —, Roe, 1972b, pp. 337-338.  
— —, Vives, 1972, p. 210.  
— —, Taniuchi & Smorck 1970, pp 109, 141

GAETANUS PILEATUS Farren, 1903 CARD 2

- , TANAKA, 1957d: 169, 175-176 ♀ FIG. 43
- , WHEELER, 1970: TAB. 4
- , PARK, 1978: 136, 139-141 ♀; FIGS. 23-24; SYN: G. CAUDAN

G. UNICORNIS

- , FASHAM, ET AL., 1974: TAB. 1
- , OWRE & FOYO, 1964a: 343
- , Gardner & Szabo, 1982, p. 26, 230-231, fig. 14.5.3
- , Grice & Hulsemann, 1968: Tab. 2
- SANDER & NOORE 1978: 233.



Gaetanus pileatus Farran, 1903

card 3

-- Wickstead 1962: 549

-- GRICE & HART 1962a: 294, w. NORTH ATLANTIC

-- GRICE & HART 1962b: TABLE 3

-- MADHUPRATAP & HARIDAS, 1986: 108, 109, INDIAN OCEAN

-- Deevy & Brooks, 1977: 263

-- MAUCHLINE 1988: 729

-- Soldevilla et al 1988: 58 Canary Islands

-- CUMMINGS 1982: 34, GULF OF MEXICO

-- CAMPANER <sup>1989</sup>~~1986~~: 96

Gaetanus pileatus Farran, 1903

card 4

-- Copley et al. 1989:12-, nw Atlantic

-- REID 1990g:185

-- STEINBERG 1993:31-

-- RAZOUK 1994:10

-- VYSHKVA RTZ E VA 1994:118

-- G I S L A S O N + A S T T H O R S S O N 1992:221, TAB.1, ICELAND

*Aethideidae - Calanoida*  
Gaetanus recticornis Wolfenden, ♀.

-- Wolfenden, 1911, p. 228: pl. 26, fig. 13;  
text-fig. 16, a-c.

-- Park, T., 1975, p. 9-

--, PARK, 1978: 136

Habitat. Atlantic (southern).

Helicidae - Calanoida  
Gaetanus rectus Wolfenden, ♀

— — Wolfenden, 1911, p. 232: pl. 26, figs. 14-16  
text-fig. 18, a-b.

— — Sewell 1929, p. 105, imm. ♀ (includes *G. brevicornis*, *G. hamatus*)

-- Park, T., 1945, p. 9 —

Habitat. Atlantic (Tropical),

--, (= *G. brevicornis*), PARK, 1978: 136

Gaetanus robustus Sars 1905

See Gaidius robustus

Gaetanus robustior

- - Harding, 1974, p. 141.

Calanoidae - Calanoida  
Gaetanus secundus Esterly - ♂.♀.

— — Esterly, 1911 $\frac{7}{11}$ , p. 317: pl. 26, f. 3: pl. 28,  
f. 38, 43: pl. 30, f. 73, 84.

— —, BRODSKY, 1950, p. 166, FIG. 83, 055R

-- Park, T., 1975, p. 9 -

-- (= G. MILES) PARK, 1978: 136

Habitat: California Coast,

GAETANUS SIMPLEX

BRODSKY

①

— — BRODSKY, 1950, P. 163, FIG. 77, USSR

-- --: Vaupel Klein, 1970, pp. 13-15, figs. 3a-f, 4a-e.

-- Minoda, T., 1972, p. 327-330.

--, Park, 1973, p. 1597, 1600, = G. intermedius

--, Morris, 1970, pp. 2300, 2302, 2304, fig

-- Berk, T., 1975, pp. 9-

--, PARK, 1978: 136

--, JAWED, 1973: 40, 69

--, Park, 1973, p. 1597

--, PETERSON & MILLER, 1977: 718-719



GAETANUS SIMPLEX BRODSKY

CARD 2

--, MOTODA + MINODA, 1974: 232

—Deevey & Brooks, 1977: 263

Gaetanus tenuispinus (G.O. SARS, 1900)

- Park, T., 1975, p. 9-34 fig. 12
- Saldevilla, et al. 1988: 58 Canary Islands
- FERRARI & DEARBORN 1989: 1318, OFF ANTARCTIC  
PENINSULA, SOUTH GEORGIA

Gaetanus unicornis Esterly, ♀.

— — Esterly, 1906, p. 57: pl. 9. f. 3: pl. 12,  
f. 54: pl. 13, f. 76.

— — Esterly, 1912, p. 281.

— —, BRODSKY, 1950, p. 166, FIG 82, USSR

-- Pack, T., 1975, p. 9 -

Habitat. Pacific near California.

--, (= G. PILEATUS), PARK, 1978: 139

-- SARGENT & HENDERSON 1986: 67 -

Gaetanus variabilis.

-- Minoda, 1972, p. ~~327~~ -330

Gaetanus sp.

?--, Roe, 1972a., pp. 280-

--, JAWED, 1973: 17, 26, 28, 32-34, 36, 43, 45, 71, 73, 74, 79  
84, 92, 96, 98, 99, 101, 102, 104

--, FIGUEIRA 1971: 143.

--, PETERSON + MILLER, 1977: 718

-- TRANTER 1977: 598.

-- SHIH ET AL. 1971: 143, CANADA-PACIFIC

GAFTANUS spp.

- , COPLEY & WIEBE 1990: 12, GUAYMAS BASIN, COPEPEDIA
- SUAREZ M., F. 1990: 4, OFF YUCATAN