

# Serrivomeridae

by M.-L. Bauchot &amp; L. Saldanha

G: 1

Sp: 3

- 75.1 SERRIVOMER Gill & Ryder, 1884** Gender: M  
*Proc. U.S. natn. Mus.*, 1883 [1884], 6 : 260 (type: *S. beani* Gill & Ryder, 1884, by monotypy).  
*Spinivomer* Gill & Ryder, 1884, *Proc. U.S. natn. Mus.*, 1883 [1884], 6 : 261 (type: *S. goodei* Gill & Ryder, 1884, by monotypy) = *Serrivomer* juv.  
*Gavialiceps* Alcock, 1899 (non Alcock ex Wood-Mason MS, 1889), *Cat. Indian Deep Sea Fishes* : 191 (type: *G. microps* Alcock, 1889, by orig. design.).  
*Alcockidia* Gilbert, 1905, *Bull. U.S. Fish. Commn.*, 1903 [1905], 23 : 586 (type: *Gavialiceps microps*, Alcock, 1889, by orig. design.).  
*Paraserrivomer* Roule & Angel, 1931, *Bull. Inst. océanogr. Monaco*, (581) : 2 (type: *Gavialiceps hasta* Zugmayer, 1911, by orig. design.).
- 75.1.1 *Serrivomer beani* Gill & Ryder, 1884**  
*Serrivomer beani* Gill & Ryder, 1884, *Proc. U.S. natn. Mus.*, 6 : 261 (41° 40' N., 65° 28' W.). Holotype: USNM no. 33-383 Coll. Albatross.  
*Serrivomer beani*: Jordan & Davis, 1892 : 653 | Goode & Bean, 1896 : 155, fig. 175 | Beebe & Crane, 1936 : 61 | Fowler, 1936 : 283 (*pro parte*) | Schroeder, 1940 : 232 | Bertin, 1944 : 106 | Noronha & Sarmento, 1948 : 145 | Maul, 1949 : 145 | Albuquerque, 1954-1956 : 420, fig. 203 | Bauchot, *in* Koefoed, 1955 : 11 | Bauchot, 1959 : 131 | Quero, 1969 : 5 | Geistdoerfer *et al.*, 1971b : 1183.  
? *Nemichthys infans* (non Günther): Vaillant, 1888 : 93, pl. VII (fig. 1).  
? *Nemichthys richardi* Vaillant, 1888, *Expéd. 'Travailleur' 'Talisman'* : 385, for specimen described as *N. infans* : 93, pl. VII (off Azores). Holotype: MNHN no. 84-070 (very poor condition, head lost).  
? *Avocettina richardi*: Jordan & Davis, 1892 : 655.  
? *Serrivomer richardi*: Goode & Bean, 1896 : 155.  
*Serrivomer sector* type *longidentatus* Roule & Bertin, 1929, Danish Dana Exped. 1920-1922, (4) : 39 (*pro parte*).  
*Nemichthys* sp.: Borodin, 1931 : 73, pl. V (fig. 3).  
*Gavialiceps microps*: Borodin, 1931 : 74.  
*Serrivomer sector*: Parr, 1932 : 1 (*pro parte*).  
Eggs, larvae and young stages. According to Bauchot, 1959, *Leptocephalus lanceolatus* Strömman, 1896, is the larval form of the 'systematic group *Serrivomer beani*-*Serrivomer parabeani*'.  
*Leptocephalus lanceolatus* Strömman, 1896, *Leptocephalids in the Univ. Zool. Mus. Upsala* : 37, pl. IV (fig. 3-4) (Central Atlantic 34° N., 65° W.).  
*Leptocephalus lanceolatus*: Blegvad, 1913 : 139 | Ancona, 1928 : 107 | Bauchot, 1959 : 7, fig. 1, 105, pl. I-II.  
*Leptocephalus* Beebe & Crane, 1936 : 80 (*pro parte*).  
Otoliths (sagitta). No data.  
Habitat, distribution and abundance. Adult meso- and bathypelagic. Atlantic (from 0° to ca 45° N.). In the area ten specimens: 47° 02' N., 6° 03' W. (1 sp.), 39° 21' N., 10° 11' W. (3 sp.), 46° 46' N., 5° 39' W. (6 sp.). Larvae in higher level (100-300 m) with vertical rise during the night. Atlantic (ca 18° N. to 40° N.). In the area: off Madeira and South of Portugal. Rare.  
Common names. None.
- 75.1.2 *Serrivomer brevidentatus* Roule & Bertin, 1929**  
*Serrivomer sector* type *brevidentatus* Roule & Bertin, 1929, Danish Dana Exped. 1920-1922, (4) : 39 (North Atlantic).

*Serrivomer brevidentatus*: Beebe & Crane, 1936 : 93, fig. 34–36 | Bertin, 1944 : 106 | Grey, 1955 : 291 | Bauchot-Boutin, 1959 : 131.

*Serrivomer beani*: Trewavas, 1932 : 650.

*Serrivomer sector*: Parr, 1932 : 3 (*pro parte*).

*Serrivomer* sp.: Beebe, 1933 : 180 (*pro parte*).

Eggs, larvae and young stages. According to Bauchot, 1959, *Leptocephalus lanceolatooides* Schmidt, 1916, is the larval form of *S. brevidentatus*.

*Leptocephalus lanceolatooides* Schmidt, 1916, *Meddr Kommn Havunders.* : 17, fig. 11 ('central portion of the North Atlantic').

*Leptocephalus*: Beebe & Crane, 1936 : 80 (*pro parte*). Transitional adolescents and adolescent: Beebe & Crane, 1936 : 97.

*Leptocephalus lanceolatooides*: Bauchot, 1959 : 8, fig., pl.

Otoliths (sagitta). No data.

Habitat, distribution and abundance. Adults meso- and bathypelagic. Atlantic (ca 17° N. to 33° N.). In the area: Mediterranean near Gibraltar: 36° 04' N., 5° 05' W. Larvae at higher levels (100 m). Atlantic ca 18° N. to 40° N., in the area until 36° N. (South of Portugal). Rare.

Common names. None.

### 75.1.3 *Serrivomer parabeani* Bertin, 1940

*Serrivomer parabeani* Bertin, 1940, *C.R. Acad. Sci. Paris*, **211** : 78. Types: 36 specimens described *Paraserrivomer hasta* by Roule & Angel, 1931 & 1933: MOM.

? *Gavialiceps hasta* Zugmayer, 1911, *Bull. Inst. océanogr. Monaco*, **193** : 7 (34° 14' N., 8° W. off Portugal). Type lost.

? *Gavialiceps hasta*: Zugmayer, 1911 : 86.

*Serrivomer sector* type *longidentatus* Roule & Bertin, 1929, Danish Dana Exped. 1920–22, (4) : 39 (*pro parte*).

*Paraserrivomer hasta*: Roule & Angel, 1931 : 3 (Neotype: st. 3281, west of Azores. MOM) | Roule & Angel, 1933 : 70, pl. IV (fig. 33) | Fowler, 1936 : 1210 (*pro parte*) | Belloc, 1949 : 4 | Brandes *et al.*, 1953 : 48 | Collins, 1954 : 14.

*Serrivomer sector*: Parr, 1932 : 2 (*pro parte*).

*Nettastoma hasta*: Fowler, 1936 : 281.

*Serrivomer beani*: Beebe & Crane, 1936 : 61 (*pro parte*).

*Serrivomer parabeani*: Bertin, 1944 : 106, fig. 2c | Bauchot-Boutin, 1953 : 366; 1954 : 304; in Koefoed, 1955 : 11 | Bauchot, 1959 : 131 | Quéro, 1969 : 5.

*Serrivomer hasta*: Lozano Rey, 1947 : 550, pl. 9 (fig. 2).

Eggs, larvae and young stages. As *Serrivomer beani*.

Otoliths (sagitta). No data.

Habitat, distribution and abundance. Adult meso- and bathypelagic. Atlantic (ca 60° N. to 7° S.). In the area three specimens: 56° 30' N., 32° W.; 43° 45' N., 3° 27' W.; 46° 46' N., 5° 39' W. Larvae at higher levels (100–300 m) with vertical rise in the course of the night, Atlantic ca 18° N. to 40° N. In the area: off Madeira and South of Portugal.

Common names. None.