

California Academy of Sciences

ANNOTATED CHECKLISTS OF FISHES

Number 26

February 2004

Family Hispidoberycidae Kotlyar 1981

hispidoberycids

By

Alexander N. Kotlyar

*P. P. Shirshov Institute of Oceanology, Russian Academy of Sciences
36 Nakhimovskiy Prospect, 117851, Moscow, Russia
email: kotlyar@sio.rssi.ru*

The stephanoberycoid family Hispidoberycidae is known from only a few specimens of one species. Body oblong and compressed. Head large, about one-third length of body, with large mucous cavities separated by ridges and covered by skin; head ridges with spines. Eyes small (5.7–7.7 in head). Mouth large, oblique, jaws extending far behind eye. Dorsal fin posterior to midbody with 4–5 spines and 10 soft rays; anal fin with 2–3 spines and 9 soft rays; pectoral fins with i or I ray and 11–12 soft rays; pelvic fins located below the pectoral fins, with i or I ray and 7 soft rays. Villiform teeth in bands on jaws, palatines, and vomer; no teeth on ectopterygoid and endopterygoid. One supramaxilla. Branchiostegal rays 8. Orbitosphenoid and basisphenoid present; subocular shelf and antorbital absent. Operculum with a long, stout spine. Scales with large spines. Lateral line present (with 32–34 scales). Vertebrae 34–35. Maximum length 18 cm (7.1 in). Probably benthopelagic. Known from the tropical marine waters of southeastern Asia at depths of 560–1,019 m. Feed on shrimps.

The Hispidoberycidae was erected by Kotlyar (1981 [ref. 2666]) to accommodate the unique combination of stephanoberycoid and berycoid characters in the type, *Hispidoberyx ambagiosus*, which he described from two specimens collected in the southeastern Indian Ocean off Sumatra and Java. The total number of specimens reported is five, including two from the South China Sea described by Yang et al. (1988 [ref. 7301]). Kotlyar (1991 [ref. 26696]) recorded the fifth specimen, also from the South China Sea, and described the osteology of *H. ambiagosus*, and later (Kotlyar 1996 [ref. 23292]) reviewed all available information on the family and its possible relationships.

Genus *Hispidoberyx* Kotlyar 1981

Hispidoberyx Kotlyar 1981:411 [ref. 2666]. Type species *Hispidoberyx ambagiosus* Kotlyar 1981.
Type by original designation (also monotypic).

***Hispidoberyx ambagiosus* Kotlyar 1981**

Hispidoberyx ambagiosus Kotlyar 1981:413 [10 of translation], Fig. 1 [ref. 2666] (e. Indian Ocean north of Sumatra, 3°46'N, 96°00'E, 800–875 m). Holotype: ZMMU P-15416.

DISTRIBUTION: Eastern Indian Ocean and western North Pacific: off Sumatra and Java and in South China Sea.

REMARKS: Known from five specimens.

Summary Lists

Genus-Group Names of Family Hispidoberycidae

Hispidoberyx Kotlyar 1981 = *Hispidoberyx* Kotlyar 1981

Incertae Sedis Genus-Group Names

None

Unavailable Genus-Group Names

None

Species-Group Names of Family Hispidoberycidae

ambagiosus, *Hispidoberyx* Kotlyar 1981 = *Hispidoberyx ambagiosus* Kotlyar 1981

Incertae Sedis Species-Group Names

None

Unavailable Species-Group Names

None

Literature Cited

- Kotlyar, A. N. 1981 [ref. 2666]. A new family, genus and species of Beryciformes, Hispidoberycidae fam. n., *Hispidoberyx ambagiosus* gen. et sp. n. (Beryciformes). *Voprosy Ikhtiologiya*. v. 21 (no. 3): 411–416. [In Russian. English translation in *J. Ichthyol.* v. 21 (no. 3): 9–13.]
- Kotlyar, A. N. 1991 [ref. 26696]. Osteology of *Hispidoberyx ambagiosus* (Hispidoberycidae) and its position within the order Beryciformes. *Voprosy Ikhtiologiya*. v. 31 (no. 3): 355–362. [In Russian.]
- Kotlyar, A. N. 1996 [ref. 23292]. Beryciform fishes of the World Ocean. VNIRO Publishing, Moscow. 1–368. [In Russian.]
- Yang, Y.-R., B.-G. Zeng and J. R. Paxton. 1988 (18 Aug.) [ref. 7301]. Additional specimens of the deepsea fish *Hispidoberyx ambagiosus* [sic] (Hispidoberycidae, Beryciformes [sic]) from the South China Sea, with comments on the family relationships. *Uo (Jpn. Soc. Ichthyol.)* No. 38: 3–8.

Acknowledgments

The Alfred P. Sloan Foundation provided funding toward preparation of this account. The CAS annotated checklist team provided technical assistance and editing.

Suggested citation format:

Kotlyar, A. N. 2004. Family Hispidoberycidae Kotlyar 1981 — hispidoberycids. *Calif. Acad. Sci. Annotated Checklists of Fishes* No. 26. 2 pp.