

Sebastiscus triacanthus Fowler a Junior

Synonym of *Hozukius emblemarius*
(Jordan et Starks)

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We were able to examine the holotype of *Hozukius emblemarius* (Fig. 1) at the California Academy of Sciences (CAS) and the holotype of *Sebastiscus triacanthus* (Fig. 2) at the United States National Museum (USNM). It was revealed that the holotype of *S. triacanthus* has a caudal fin with the truncate posterior margin, though Fowler (1938) described and figured it as being slightly rounded. They agree in the following emended diagnostic characters for the genus *Hozukius* (Matsubara, 1943: 262): dorsal spines

12; vertebrae 26; air bladder present; second infraorbital bone firmly attached to the margin upper of preopercle. They further agree in total caudal rays 30–33; gill rakers 6–8+15–17=21–25; serrated lower rim of orbit; presence of scales on maxillary. No important specific differences were found in counts and measurements (Table 1). Consequently, *Sebastiscus triacanthus* is judged as a junior synonym of *Hozukius emblemarius*. *Hozukius emblemarius* differs from *H. guyotensis*, another species of the genus, in having less gill rakers, scales on the maxillary and larger scales on the side of body (Barsukov and Fedorov, 1975).

Hozukius emblemarius (Jordan et Starks)

(Japanese name: Hozuki)

Helicolenus emblemarius Jordan and Starks, 1904: 129,
fig. 9.

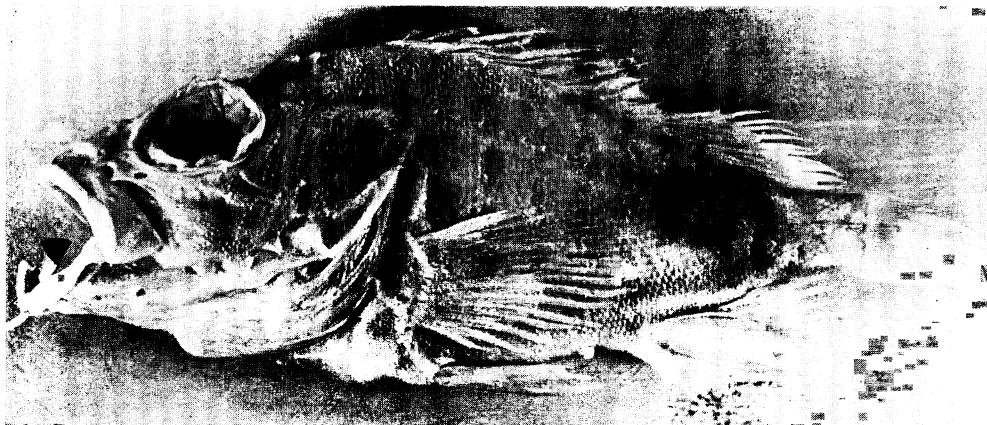


Fig. 1. Holotype of *Helicolenus emblemarius* Jordan et Starks, CAS-SU 7364, 145.5 mm SL.

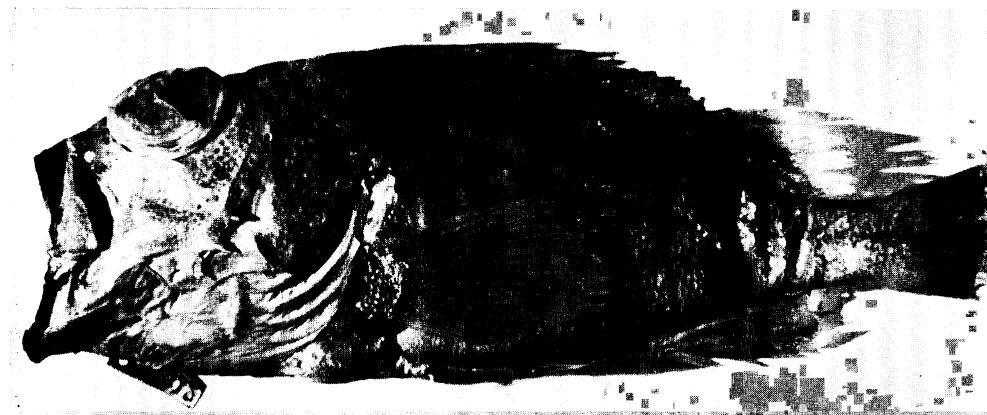


Fig. 2. Holotype of *Sebastiscus triacanthus* Fowler, USNM 44912, 263.8 mm SL.

Sebastiscus triacanthus Fowler, 1938: 53, fig. 20.
Hozukius embremarius (misspelling of *emblemarius*):
 Matsubara, 1934: 201, figs. 1, 4.

Material examined. CAS-SU (Stanford University collections now at CAS) 7364 (145.5 mm SL, holotype of *Helicolenus emblemarius*) Okinose, near Misaki, Kanagawa Pref., Japan, from Imperial Museum at Tokyo; USNM 44912 (263.8 mm SL, holotype of *Sebastiscus triacanthus*) Japan, 1893; comparative material, HUMZ (Laboratory of Marine Zoology, Hokkaido University) 3857 (213.4 mm SL), 3860 (145.5 mm SL) Misaki, Kanagawa Pref., Japan, Feb. 1917; HUMZ 4927 (117.2 mm SL) Aichi Pref., Japan; HUMZ 72629 (151.1 mm SL) off Fukushima Pref., 37°30'N, 142°19.5'E, 860–815 m, 24 Jan. 1978; HUMZ 74892 (262.9 mm SL) Kyushu-Palau Ridge, from 27°55.0'N, 134°39.0'E to 27°55.5'N 134°42.8'E, 700 m, 20 Feb. 1978; HUMZ 97670 (336.9 mm SL) Pacific off eastern Honshu, Japan, June 1983; IFES (Iwate Prefectural Fisheries Experimental Station) 619 (173.2 mm SL) Miyako Fish Market, Iwate Pref., Japan, 22

Aug. 1981; IFES 634 (159.4 mm SL) Kamaishi Fish Market, Iwate Pref., Japan, 10 June 1981.

Methods follow those of Eschmeyer (1969). The last fin ray in the dorsal and anal fins is double, borne on a single pterygiophore, and counted as one.

Acknowledgments

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Literature cited

Barsukov, V. V. and V. V. Fedorov. 1975. Species of the genus *Hozukius* (Scorpaenidae, Sebastinae)

Table 1. Counts and measurements of *Hozukius emblemarius*.

	USNM 44912 holotype <i>Sebastiscus</i> <i>triacanthus</i>	CAS-SU 7364 holotype <i>Helicolenus</i> <i>emblemarius</i>	Comparative material (eight specimens)
Standard length (mm)	263.8	145.5	117.2–336.9
Counts:			
Dorsal rays	XII, 12	XII, 12	XII, 11–13 (ave. 12.0)
Anal rays	III, 6	III, 6	III, 6
Pectoral rays (upper unbranched+middle branched+lower unbranched=total)	2+7+8=17	1+9+8=18	1–2+6–8+9–11=17–19 (ave. 18.0)
Gill rakers (upper+lower=total)	6+15=21	6+15=21	7–8+16–17=23–25 (ave. 23.4)
Vertebrae (abdominal+caudal=total)	10+16=26	10+16=26	10+16=26
Pored scales in lateral line	28	29	27–29 (ave. 28.1)
Measurements in mm (%SL in parentheses):			
Head length	109.7 (41.6)	62.3 (42.8)	(40.5–43.5)
Body depth	98.4 (37.3)	58.8 (40.4)	(37.5–41.8)
Snout length	26.9 (10.2)	14.1 (9.7)	(8.1–9.6)
Orbit diameter	36.0 (13.7)	22.7 (15.6)	(13.5–18.3)
Interorbital width	15.3 (5.8)	7.3 (5.0)	(4.9–5.9)
Upper jaw length	49.6 (18.8)	29.7 (20.4)	(18.9–21.2)
Predorsal-fin length	105.7 (40.1)	58.4 (40.1)	(37.0–41.1)
Pectoral fin length	76.8 (29.1)	44.8 (30.8)	(26.1–34.3)
Pelvic fin length	57.5 (21.8)	34.2 (23.5)	(21.1–25.2)
Length of pelvic spine	43.1 (16.3)	26.9 (18.4)	(12.9–18.3)
Caudal fin length	53.4 (20.2)	31.7 (21.8)	(20.9–23.0)
Length of longest dorsal spine	43.8 (16.6)	30.8 (21.2)	(14.3–22.4)
Length of 11th dorsal spine	17.3 (6.6)	12.6 (8.7)	(7.0–10.4)
Length of 12th dorsal spine	21.9 (8.3)	18.1 (12.4)	(9.4–12.7)
Length of 1st anal spine	24.0 (9.1)	15.3 (10.5)	(6.7–12.4)
Length of 2nd anal spine	41.0 (15.5)	31.5 (21.7)	(12.8–21.4)
Length of 3rd anal spine	40.6 (15.4)	28.8 (19.8)	(12.1–19.0)

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- Sebastiscus triacanthus* はホウズキ *Hozukius emblemarius* のシノニム
- 石田 実・尼岡邦夫
- 日本より記載された *Sebastiscus triacanthus* Fowler, 1938 は原記載以来報告がなかった。本種の完模式標本と、南日本の太平洋岸に分布するホウズキ *Hozukius emblemarius* (Jordan et Starks, 1904) の完模式標本を比較したところ、両者の間に種的な差異は認められなかった。よって前者は後者のシノニムと判断した。
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