

D. 18. A. 18. P. 6. V. 5. L. lat. 88.

The height of the body is contained twelve and a half times in the total length, without caudal, the length of the head nine and one-third times. Barbel as long as the head, terminating in three filaments. Pectoral and ventral fins very narrow and elongate. Each of the median abdominal series of luminous spots contains fifty-four between pectoral and ventral fins, fourteen between ventral and anal, and fifteen between the origin of the anal and caudal.

*Stomias affinis*, n. sp. (Pl. LIV. fig. A).

D. 17. A. 20. P. 6. V. 5.

Scaleless, but with the hexagonal divisions of the skin distinct. The height of the body is one-twelfth of the total length, without caudal, the length of the head one-eighth. Teeth fixed. The barbel is about as long as the head, and terminates in three filaments (fig. *a*); the end of the stem of the barbel white, with a black pigment-spot, and probably luminous. Pectoral and ventral fins narrow and elongate, especially the latter, which taper into a filament and extend beyond the anterior anal rays. Anal fin higher than dorsal. Each of the abdominal series of luminous spots contains forty-three between the pectoral and ventral fins, six between ventrals and anal, and fifteen (sixteen) between the origin of the anal and caudal; another parallel series runs below, and a third above the middle of the side of the body. Fins white, dorsal, anal and ventrals with black margins.

*Habitat*.—South of Sombrero Island, Station 23; depth, 450 fathoms. One specimen, 5 inches long.

*Stomias ferox* (Reinh.).

D. 17. A. 21. P. 6. V. 6.

The height of the body is about one-twelfth of the total length, the length of the head one-tenth. The barbel is longer than the head, tapering and not fringed at its extremity. Neither the pectorals nor the ventrals are produced.

Discovered first in the sea off the coast of Greenland; other specimens were recently obtained further southward, viz., in lat. 40° 0' to 41° 30' N., long. 65° 0' to 68° 0' W.; at depths of 304 and 524 fathoms.