

have thin spines, not teeth, on the outer plates of the maxillipeds, and the side-plates of moderate size or large, while his *Microdeutopinæ* have teeth on the outer plates of the maxillipeds and the side-plates small, but Boeck's *Photinæ* agree with his *Microdeutopinæ* in the armature of the maxilliped-plates, and in point of fact some of the *Microdeutopinæ* have the side-plates well developed. In describing the family *Photidæ*, and also the subfamily *Microdeutopinæ*, Boeck says that the accessory flagellum of the upper antennæ is small or absent, whereas in reality among his *Microdeutopinæ* it is sometimes of considerable size; if therefore the term *Photidæ* be accepted as a sufficient heading for all the three groups, it will be necessary to modify the character by saying that this accessory flagellum is of variable size or absent. It will also, I think, be proper to state that the fifth pair of side-plates are nearly as deep as the fourth pair.

Genus *Photis*, Krøyer, 1842.

1842. *Photis*, Krøyer, Naturh. Tidsskr., R. 1, Bd. iv. Hfte 2, p. 155.
 1845. „ Krøyer, Naturh. Tidsskr., R. 2, Bd. i. p. 341.
 1849. „ Dana, Amer. Journ. Sci. and Arts, ser. 2, vol. viii. No. 22.
 1852. „ Dana, U.S. Explor. Exped., vol. xiii. pt. ii. p. 911.
 1862. *Eiscladus*, Bate and Westwood, Brit. Sess. Crust., vol. i. p. 411.
 1865. *Amphithoe*, Goës, Crust. amph. maris Spetsb., p. 16.
 1869. *Heiscladus*, Norman, Last Report on Dredging among the Shetland Isles, p. 284.
 1870. *Photis*, Boeck, Crust. amph. bor. et arct., p. 152.
 1874. *Heiscladius*, M'Intosh, Ann. and Mag. Nat. Hist., ser. 4, vol. xiv. No. 82.
 1876. *Photis*, Boeck, De Skand. og Arkt. Amph., p. 553.
 1877. „ Meinert, Crust. Isop. Amphip. et Decap. Daniæ, p. 141.
 1882. „ Sars, Oversigt af Norges Crustaceer, pp. 30, 110.
 1886. „ Gerstaecker, Bronn's Klassen und Ordnungen, Bd. v. Abth. ii. p. 506.
 1887. „ Chevreux, Catal. Amph. marins Bretagne, p. 24.

For the original definition of the genus, see Note on Krøyer, 1842 (p. 199); for Bate and Westwood's definition of *Eiscladus*, see Note on Bate and Westwood, 1862 (p. 340). In 1876 Boeck gives the following definition:—

“*Upper Antennæ* with the third joint of the peduncle elongate; accessory flagellum absent.

“*First Gnathopods* with a short wrist.

“*First and Second Peræopods* with the first joint not thick.

“*Third Uropods* with the inner ramus minute.

“*Telson* apically rounded.”

The new species, *Photis macrocarpus*, requires the cancelling of the second of these characters. Some of those characters which Boeck places in the definition of the subfamily *Photinæ* ought perhaps to be added to the generic account, if the subfamily itself is dropped. Of the mandibles he says that the spine-row consists of few (four)