

consistency of the animal is not hard, the *form* is plump and slightly depressed; the *back* more or less granular or tuberculate, the *openings for the rhinophores* simple; the *tentacles* short, thick folds at the sides of the small head, with an external furrow; the retractile gill composed of a few tripinnate or quadripinnate leaves; the foot broad, with a furrow on the anterior margin. The *labial disk* merely clothed by a simple, thick cuticle. The *radula* with naked rhachis; the pleuræ with numerous hook-shaped plates. The large ventricle free. *Penis* and *vagina* both unarmed.

The *Archidorides* approach the *Staurodorides* in their general form and external features, but still more closely in their internal structure, though the latter are still distinguished by their numerous and simply pinnate branchial leaves, and by the development of protecting tubercles on the margin of the rhinophore-holes and of the branchial cavity.¹ The *Homoiodorides* perhaps stand in still closer proximity to the *Archidorides*, though they differ specially from the latter in a peculiar armature of the vagina.²

Only a few species of the group are as yet known:—

1. *Archidoris tuberculata* (Cuvier).
North Atlantic, Mediterranean.
2. *Archidoris flammea* (Alder and Hancock).
North Atlantic.
3. *Archidoris montereyensis* (Cooper).
North Pacific.
4. *Archidoris kerguelenensis*, n. sp.
North Pacific.
5. *Archidoris australis*, n. sp.
North Pacific.

1. *Archidoris kerguelenensis*, n. sp. (Pl. I. figs. 1–12).

† *Doris tuberculata*, Cuv. † Th. Studer, Die Fauna von Kerguelensland, Archiv f. Naturg., Jahrg. xlv., Bd. i. p. 128, 1879.

Habitat.—Kerguelen Islands, Pacific Ocean.

The form mentioned by Studer is probably the same as that now described. There was only one individual of this species, taken January 17, 1874, off Royal Sound, Kerguelen, lat. 49° 40' S., long. 70° 20' E., depth 25 fathoms.

¹ Bergh, Malacolog. Untersuch., loc. cit., Heft xiv., 1878, p. 578; Supplementheft i., 1880, pp. 36–40.

² R. Bergh, Beitr. zur Kenntn. d. japan. Nudibr. II., Verhandl. d. k. k. zool.-bot. Gesellsch. Wien, Bd. xxxi., 1881, pp. 222–227.