Notice of some new Corals from Madeira discovered by J. Y. Johnson, Esq. By Dr. J. E. GRAY, F.R.S. &c.

Mr. James Yate Johnson of Madeira having kindly sent me some Corals from that island, I herewith send you the following short notice of some specimens which do not appear to have been heretofore inscribed in the Catalogues.

1. *Corallium Johnsonii*.

Coral branched, subflabelliform. Branches nearly simple, subparallel, flexuose, with a few very short ascending branches scattered on the sides of the upper surface. Bark yellow, granular, with three or four rows of rather convex polype-cells on the upper surface of the branches only. Axis white.

Hab. Madeira.

This Coral is at once known from *Corallium rubrum* on account of its polypes being placed only on one side of the stem, as is the case with *Corallium secundum* of Dana from the Sandwich Islands; but it is easily distinguished from the latter by the colour of the bark and axis, and the thick, elongated, subsimple, subparallel branches.

2. *Antipathes (Cirripathes) setacea*.

Coral simple, elongate, setaceous, straight, erect, closely covered with short conical spinules. Length 18 inches.

Hab. Madeira.

We have recently received from Mr. Edwin Todd, from Turk's Island in the West Indies, a specimen of *Antipathes* which differs from the former only in being rather more slender and very much more elongate, being more than 9 feet in length. It may be a distinct species, for the spinules appear to be rather closer and smaller; but I am rather inclined to regard it, for the present, as a variety of the above, and it may be called var. β . *occidentalis*.

Both specimens are at once known from *Antipathes spiralis* by their slenderness, the abundance of the spinules, and their being straight, without the slightest tendency to assume a spiral form.

3. *Antipathes gracilis*.

Coral rather fan-like, expanded, very slender, repeatedly forked. Branches very slender, elongate, subsimple, tapering; stem and branches covered with very close, rather elongated spinules.

Hab. Madeira.

The Coral about 6 inches high, rather fan-like, on a single plane; the stem slender, about as thick as a thick bristle, subalternately branched, with the rows of branches on the outer side, giving them the appearance of being forked; the branches and branchlets elongate, very slender and subsimple, and gradually tapering till they are quite hair-like.

Gray, John Edward. 1860. "Notice of some new corals from Madeira discovered by J. Y. Johnson, Esq." *The Annals and magazine of natural history; zoology, botany, and geology* 6, 311–311.

View This Item Online: <https://www.biodiversitylibrary.org/item/19439>

Permalink: <https://www.biodiversitylibrary.org/partpdf/15706>

Holding Institution

Natural History Museum Library, London

Sponsored by

Natural History Museum Library, London

Copyright & Reuse

Copyright Status: Public domain. The BHL considers that this work is no longer under copyright protection.

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.