

the last including such forms as *Lepralia violacea*, which in all essential characters is an Adeonean ; and perhaps *Lepralia innominata*, and several fossil forms.

The number of species belonging to the Family in the Challenger Collection does not exceed seven or eight and includes only one typical *Adeona*. But the number of forms referrible to it leaving aside those whose identification is impossible from the imperfect descriptions published, and most of which have come under my own inspection, is very considerable, as will appear from the subjoined probably very incomplete list.

In his Monograph of the Genus *Adeona* Dr. Kirchenpauer<sup>1</sup> enumerates about eight forms which he regards as species, viz :—

- (1) *Adeona foliacea* or *foliifera*, Lamx. and Lamk.
- (2) *Adeona intermedia*, Kirchenpauer.
- (3) *Adeona macrothyris*, Kirchenpauer.
- (4) *Adeona arborescens*, Kirchenpauer.
- (5) *Adeona grisea*, Lamouroux.
- (6) *Adeona cellulosa*, Macgillivray.
- (7) *Adeona albida*, Kirchenpauer.

To which have been since added :—

- (8) *Adeona wilsoni*, Macgillivray.

Besides these published species I am acquainted from direct observation with five or six others that I have not been able to identify with any of the foregoing, and which will be included in a projected memoir on the genus which I hope to be able shortly to prepare.

- (9) *Adeona appendiculata*, n. sp., Australia.
- (10) *Adeona gattyæ*, n. sp., South Africa.
- (11) *Adeona lancifera*, n. sp., Australia ?
- (12) *Adeona valga*, n. sp., Australia.
- (13) *Adeona microthyris*, n. sp., Australia.
- (14) *Adeona lycopodioides*, n. sp., South Atlantic.

Of these a single specimen of the first only occurs in the Challenger Collection, and is here described. For the second I have long been indebted to the kindness of Miss Gatty, to whom I also owe several species of *Adeonella*.

*Adeona valga* and *Adeona lycopodioides* have been for many years in my collection, whilst *Adeona microthyris* appears to me to be a new species contained in a magnificent collection of Australian Adeoneæ, lately sent by Mr J. Bracebridge Wilson to the British Museum.

<sup>1</sup> Dr. Kirchenpauer, Ueber die Bryoz. Gattung *Adeona*, Hamburg, 1879.