

ALLIANCE I. Algae, (*Sea-weeds*).—Deriving nutriment from the water in which they are submerged.—Occupying 150 pages.

ALLIANCE II. Mycetales.—Deriving nutriment from the matrix or the surrounding air; mycelium more or less evident.—Subdivided into

1. Fungales (*Fungi*). Occupying 137 pages.

2. Lichenales (*Lichens*). Occupying 57 pages.

Class II.—*Acrogens*.—Mostly herbaceous, and provided with foliaceous appendages. * * * * Spermatozoids spiral.—Comprises

ALLIANCE III. Characeales (*Charas*).—Spores solitary.—A small order containing but three genera. Occupying 5 pages.

ALLIANCE IV. Muscales (*Liverworts and Mosses*).—Spores numerous, giving rise to a plant which produces one or more successive of fructifying archegonia.—Occupying 70 pages.

ALLIANCE V. Filicales (*Ferns and Allied Plants*).—Spores numerous, producing a prothallus which bears a single set of archegonia, which yield fructifying plants.) Occupying 57 pages.

The absence of a synoptical table of contents, and of a running title to the right-hand page, is in some measure compensated for by the unusually full index at the end of the volume, where the reader will also find a valuable classified catalogue of the most note-worthy works relating to Cryptogamic Botany.

The Publisher has done his part to make the book valuable; the printing being good, the type clear, and the engravings though scant in numbers sparse—well executed. The paper of our copy is, however, uneven; the first half of the volume being of much better quality than the remainder.

A Scientific Exploring Expedition, consisting of three or four persons, is about to proceed, under the sanction of the government, through the Western portion of British America. It is intended that the party should proceed from Lake Superior to Lake Winnipeg, and from thence through the country lying between the northern branch of the Saskatchewan and the boundary of the United States. The government is desirous of making the Expedition as scientifically useful as possible; and with this view, the assistance and counsel of the Royal Society have been solicited. The Council has appointed a Committee to act in the matter, and a report has been drawn up. The Expedition is to be commanded by Mr. John Palliser.—*Athenæum*, April 25.