

Review

TAYLOR, W. R., Marine Algae of the northeastern coast of North America, ill. by Chin-Chih Jao, second revised edition, IX + 509 pp., with 60 full page plates — University of Michigan Studies, Scientific series, Vol. XIII, 1957 — Ann Arbor, University of Michigan press. Price \$12.50.

The second edition of this well-known and much appreciated book has given the opportunity to the author to incorporate recent views in taxonomic algology, and to make the nomenclature up-to-date.

To the interesting chapter "algal habitats" of the first edition a description of the vegetation of the east coast of Canada could be added. The chapter "collection and preservation" being a good and fairly complete narrative already in the first edition has been supplied with a useful note on staining slides made from herbarium material. In contradistinction to the first edition all specific names are written with a small letter.

The *Xanthophyceae* have been incorporated in the key, comprising the *Heterosiphonales*, to which the *Vaucheriaceae* belong. In agreement with recent views this family had to be removed from the *Siphonales*. The four species of *Vaucheria* in the first edition have increased to nine.

In the *Ulotrichales* the *Trentepohliaceae* of the first edition have been replaced by the *Chaetopeltaceae* and the *Gomontiaceae*. The ten species of *Monostroma* in the first edition have been reduced to five.

In the *Phaeophyceae* the *Lithodermataceae* and the *Ralfsiaceae* have been removed from the *Ectocarpales* and placed in the *Chordariales*. The same has been done with the *Acrothricaceae* removed from the *Desmarestiales*, and the *Stilophoraceae* removed from the *Punctariales*. We find *Dictyosiphon hippuroides* reduced to a form of *D. foeniculaceus*, and, added to the species of the same genus in the first edition *D. chordaria*, *Gobia baltica* having been dropped. The *Fucales*, comprising one family in the first edition, are subdivided into *Fucaceae* and *Sargassaceae*. To the three species of *Sargassum* in the first edition a fourth has been added.

Colaconema has been removed from the *Bangiales*, and placed in the *Nemalionales*. To the *Acrochaetiaceae* of this order have been added the genera *Kylinia* and *Adovinella*. *Furcellaria fastigiata*, a doubtful record in the first edition, is enumerated with certainty. To the species of *Phyllophora* in the first edition a fourth has been added. There are some minor changes in the keys to *Callithamnion* and *Ceramium*.

The beautiful illustrations have been left unaltered.

J. TH. KOSTER.