



Diatoms: Biology and Morphology of the Genera

By F. E. Round, R. M. Crawford, D. G. Mann

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This book presents a wide-ranging introduction to the diatoms together with an illustrated description of over 250 genera. Diatoms are important as perhaps the commonest group of autotrophic plants on earth and are abundant in all waters and on soils and moist surfaces. The introduction describes the diatom cell in detail, the structure of the wall (often extremely beautiful in design), the cell contents and aspects of life cycle and cell division. The generic atlas section is the first account of diatom systematics since 1928 (Karsten in Engler and Prantl: Die Nauturlichen Pflanzenfamilien) and each generic description is accompanied by scanning electron micrographs to show the characteristic structure. Most of the latter have been prepared specially for this work from the authors' own collections. The Diatoms will be the standard reference work on the group for years to come and is an essential reference volume.

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Editorial Review

Review

"...impressive in heft, magnificent in its production, encyclopedic in its coverage and elegant in its illustrations." *Nature*

"...fills an enormous gap in our knowledge of the taxonomy of an environmentally significant group of autotrophic protists...The book is filled with picture perfect photomicrographics made through light microscopy, transmission electron microscopy and scanning electron microscopy, as well as finely executed illustrations." *American Scientist*

"...an excellent reference on an important group of aquatic organisms." *Journal of the North American Benthological Society*

"An impressive encyclopedic treatise by three British experts on the biology and morphology of the diatoms....This outstanding volume, the first to summarize the genera of diatoms in more than 60 years, will be worth its weight in gold to professionals and graduate students...." *Choice*

"The book is magnificent and is needed." *L. M. Van Valen, Evolutionary Theory & Review*

"...the most important book on the subject to come off of the presses in a long time....a must for every serious diatom worker." *Robert B. McLaughlin, Microscope*

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