This is the second edition of *Freshwater Algae*, the popular guide to temperate freshwater algae. This book uniquely combines practical information on sampling and experimental techniques with an explanation of basic algal taxonomy plus a key to identify the more frequently-occurring organisms. Fully revised, it describes major bioindicator species in relation to key environmental parameters and their implications for aquatic management.

This second edition includes:

- the same clear writing style as the first edition to provide an easily accessible source of information on algae within standing and flowing waters, and the problems they may cause
- the identification of 250 algae using a key based on readily observable morphological features that can be readily observed under a conventional light microscope
- up-to-date information on the molecular determination of taxonomic status, analytical microtechniques and the potential role of computer analysis in algal biology
- upgrades to numerous line drawings to include more detail and extra species information, full colour photographs of live algae – including many new images from the USA and China
Bridging the gap between simple identification texts and highly specialised research volumes, this book is used both as a comprehensive introduction to the subject and as a laboratory manual. The new edition will be invaluable to aquatic biologists for algal identification, and for all practitioners and researchers working within aquatic microbiology in industry and academia.

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