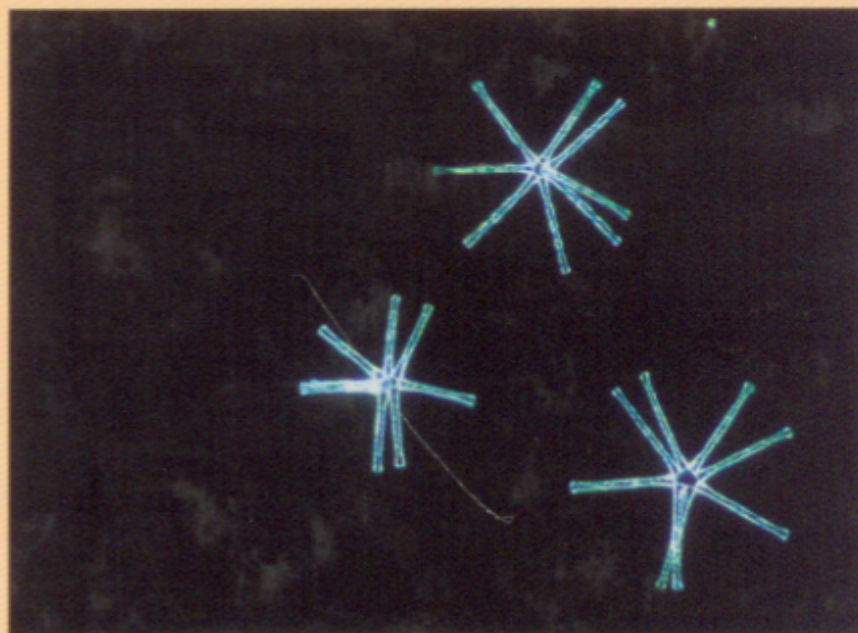


Phytoplankton communities dominate the pelagic ecosystems that cover 70% of the world's surface area. In this marvellous new book Colin Reynolds deals with the adaptations, physiology and population dynamics of the phytoplankton communities of lakes and rivers, of seas and of the great oceans. The book will serve both as a text and a major work of reference, providing basic information on composition, morphology and physiology of the main phyletic groups represented in marine and freshwater systems. In addition, Reynolds reviews recent advances in community ecology, developing an appreciation of assembly processes, co-existence and competition, disturbance and diversity. Aimed primarily at students of the plankton, it develops many concepts relevant to ecology in the widest sense, and as such will appeal to a wide readership among students of ecology, limnology and oceanography.

Born in London, UK, COLIN REYNOLDS completed his formal education at the Sir John Cass College, University of London. He worked briefly with the Metropolitan Water Board, and as a tutor with the Field Studies Council. In 1970, he joined the staff at the Windermere Laboratory of the Freshwater Biological Association. He studied the phytoplankton of eutrophic meres, then on the renowned 'Lund Tubes', the large limnetic enclosures in Blelham Tarn, before turning his



attention to the phytoplankton of rivers. During the 1990s, working with Dr Tony Irish and, later, also with Dr Alex Elliott, he helped to develop a family of models based on the dynamic responses of phytoplankton populations that are now widely used by managers. He has published two books, edited a dozen others, and has published over 220 scientific papers as well as about 150 reports for clients. He has taught advanced courses in UK, Germany, Argentina, Australia and Uruguay. He was the winner of the 1994 Limnetic Ecology Prize; he was awarded a coveted Naumann-Thienemann Medal of the International Association of Theoretical and Applied Limnology (SIL), and received an MBE. Reynolds also served on his municipal authority for 18 years, and was elected Mayor of Kendal in 1992–93.

Front cover illustration: photomicrograph of a colony of the freshwater chrysophyte *Dinobryon*. Image taken in phase contrast by Dr Hilda Canter, FRPS, and reproduced with her permission. Back cover illustration: photomicrograph of three colonies of the diatom *Asterionella formosa*. Image taken in phase contrast by Dr Hilda Canter, FRPS, and reproduced with her permission.

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