

The Systematics Association Special Volume No. 5

Taxonomy and Ecology

edited by V. H. Heywood

Department of Botany, University of Reading, England

1973, x + 370pp.

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Contributors

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This volume represents the proceedings of an international symposium of the Systematics Association held in Reading, England, in September 1972. Taxonomy and Ecology are sister sciences which have developed separately, without sufficient collaboration or discussion of common problems. An interrelationship exists at many levels – from the population and the community to the family and the biosphere and covers plant-plant, plant-animal and animal-animal interactions. A number of themes covering all these facets were the bases of the symposium sessions, which explored ecological factors and speciation, biocoenology and taxonomy, relationships, and the practical role of ecological data in taxonomy.

Workers in various branches of botany and zoology will find that this volume is a valuable contribution to the bridge-building between disciplines that is so important today.

The Systematics Association Special Volume No. 4

Scanning Electron Microscopy

Systematic and Evolutionary Applications

edited by V. H. Heywood

Department of Botany, University of Reading, England

1971, x + 332pp.

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"This book is recommended to the researchers of the biological fields concerned and also to every one who is interested in applying scanning electron microscopy to any of his objects of study."

Tsuneo Fujita in Journal of Electron Microscopy

"A great attraction of the book is also, it goes almost without saying, the profusion of illustrative detail. The entirely new shapes revealed by SEM continue to amaze and delight us, all the same posing serious problems of description and evaluation. Obviously, with a technique in use for barely six years, the book reveals only the beginning of a new development. What is now shown and discussed, however, holds great promises for the future."

Taxon

"Altogether the book is a useful survey of the uses to which SEM has been put in systematic and evolutionary biology in the first five years of its existence, in particular the systematic significance of the fine morphological structures which it has revealed. The book is well produced and the SEM photographs are excellent. Considering the number of these the price is reasonable."

R. G. West in New Phytologist

"An attractive, beautifully illustrated and well produced volume, comprising 16 contributions by authors giving accounts of their own investigations using the scanning electron microscope."

R. H. Hedley in The Biologist

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