

## Table of Contents

Editor's Preface.....	vii
Applications of Enzyme Electrophoresis to Bryophyte Systematics and Population Biology, by Ann Stoneburner, Robert Wyatt & Ireneusz J. Odrzykoski.....	1
Ecological Genetics, Evolutionary Constraints, and the Systematics of Bryophytes, by A. Jonathan Shaw.....	29
The Secondary Chemistry of the Marchantiales, by Alan T. Whittemore	75
Laboratory and Greenhouse Cultures and the Experimental Taxonomy of Bryophytes, by Cyrus B. McQueen.....	103
The Use of Ontogenetic Data in Phylogenetic Analyses of Mosses, by Brent D. Mishler & Efrain De Luna.....	121
The Basis for Familial Classification of Pleurocarpous Mosses, by William R. Buck.....	169
Electronic Data Processing in Bryological Research, Especially Systematics, by Robert E. Magill.....	187
Phylogenetic Connections Between the 'Green Algae' and the 'Bryophytes,' by Linda E. Graham, Charles F. Delwiche & Brent D. Mishler .....	213
Epilogue: Some Thoughts on the Inadequacies of Bryophyte Taxonomy, by Howard Crum.....	245