

CONTENTS

Contributors

Preface

I. Development of the Stem Conducting Tissues in Monocotyledons <i>P. Barry Tomlinson</i>	1
II. Comparative Development of Vascular Tissue Patterns in the Shoot Apex of Ferns <i>Richard A. White</i>	53
III. The Role of Subsidiary Trace Bundles in Stem and Leaf Development of the Dicotyledoneae <i>Philip R. Larson</i>	109
IV. Comparative Structure of Phloem <i>Ray F. Evert</i>	145
V. Cellular Parameters of Leaf Morphogenesis in Maize and Tobacco <i>R. Scott Poethig</i>	235
VI. Alternative Modes of Organogenesis in Higher Plants <i>Donald R. Kaplan</i>	261
VII. Morphological Aspects of Leaf Development in Ferns and Angiosperms <i>Wolfgang Hagemann</i>	301
VIII. Origin of Symmetry in Flowers <i>Shirley C. Tucker</i>	351
IX. Development of the Inflorescence, Androecium, and Gynoecium with Reference to Palms <i>Natalie W. Uhl and John Dransfield</i>	397

X. Cleistogamy: A Comparative Study of Intraspecific Floral Variation <i>Elizabeth M. Lord</i>	451
XI. Structural Correlations among Wood, Leaves, and Plant Habit <i>Phillip M. Rury and William C. Dickison</i>	495
XII. Tree Architecture: Relationships between Structure and Function <i>Jack B. Fisher</i>	541
<i>Index</i>	591