

classification of the monocotyledons. The papers on biosynthesis cover work on the cyanogenic glucosides and mustard oil glucosides (E. E. Conn and G. W. Butler), carotenoids and triterpenes (T. Goodwin), and fatty acids (A. T. James). G. H. N. Towers gives an interesting account of phenylpropanoid metabolism in Basidiomycetes, and A. W. Galston reviews his recent studies on flavonoids in relation to photomorphogenesis in peas.

As is indicated by the title, this book is not a comprehensive review of the field. It is a series of papers reflecting the personal views of the authors on subjects they have actively researched. The chapters are well documented and have been edited to a uniformly high standard. The scientist already involved in phytochemical research will find this book helpful in keeping up with recent advances in areas related to his own particular interest. It offers an interesting entry into the literature of phytochemistry for students, particularly for those reviewing the chemotaxonomy of higher plants.

A. C. NEISH

*Atlantic Regional Laboratory,
National Research Council of Canada,
Halifax, Nova Scotia*

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