Book Review

Irrigation of Agricultural Lands, American Society of Agronomy, Monograph No. 11 the series; American Society Road, Madison, Wisconsin 53711. Edited by Robert M. Hagan, Howard R. Haise, and Talcott W. Edminster; R. C. Dinaicer, Managing Editor.

This book consists of 1180 pages of subject matter, references, tables, mathematical equations, charts, photographs and literature citations presented in closeset small type. Some 120 contributors helped to flesh out the 62 chapters of this comprehensive reference volume concerned with detailed theoretical discussions, with summaries of basic theories. and illustrations of irrigation practices. It is not a "how-to-do-it" manual or handbook. It is not a book that the golf course superintendent would find useful. It is a book that could be owned by a local superintendents association so that, at each monthly meeting, a member could review a chapter or a section for the benefit of all the members.

Chapter 39 deals with "Turfgrass, Flowers, and other Ornamentals," by O. R. Lunt and J. G. Seeley. The authors cite a paucity of research data on response of turfgrass to water suction and note that most available data concerns *yield* which may or may not correlate with turf quality. Low infiltration rates are cited as the major problem in irrigating turfgrass.

The scientist will be absorbed by all the material presented. The layman will skip many detailed passages but will find a wealth of material to enhance his knowledge and understanding of water (the various kinds) and how it works in relation to plants (many kinds), soils (a great variety) and microbial activity under various conditions of temperature, wind, humidity, rainfall, etc. —FRED V. GRAU.



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