

width so the operator can swing around in a wide circle with the power clutch engaged. Otherwise the drive drum will bruise the grass when the clutch is engaged. Wilting grass should never be mowed with a power mower. The turf should be watered lightly first, and mowing delayed until the leaves recover from wilt. Some clubs mow in late afternoon during spells of hot, humid weather. They wait until there is no danger of wilt after cutting.

(To be concluded next month)

### **Take Equipment and Supply Deliveries Now or ?**

Course equipment and supply dealers say present and prospective conditions emphasize the necessity of buying and taking deliveries on orders now. Ordering of machinery has been considerably heavier than usual at this time of the year but such supplies as chemicals, flags, poles, ball washers, cups, etc., still are about as usual for the period.

Dealers say clubs have become so dependent on dealers for immediate deliveries the clubs delay buying until the last minute. Under manufacturing and shipping conditions that may prevail in spring the slow-acting clubs may not get what they want when they want it.

### **Green Section Published A Classic; "Turf Management"**

Turf Management, by H. Burton Musser. Published by McGraw-Hill Book Co., Inc., New York City, for USGA. 362 pages. Price \$6.

This comprehensive and practical manual of golf course turf work is not only an on-the-job working guide book and reference volume of great value for those responsible for golf course and other large turf area maintenance but is a landmark in scientific fine turf development.

The book brings together the tested and approved findings of the USGA Green Section, the nation's leading greenkeeping superintendents, the experts of agriculture experiment stations and of course material and equipment companies, and golf course architects. It is a project the USGA Green Section began two years ago with Fielding Wallace as USGA president, James D. Standish as USGA Green Section chairman and Fred V. Grau as Green Section Director. The editorial board consisted of Grau, Marshall E. Farnham, supt., Philadelphia (Pa.) CC and then pres., NGSA; O. J. Noer, agronomist of the Milwaukee Sewerage Commission; and Herb Graffis, editor, GOLFDOM.

Burt Musser, professor of agronomy, School of Agriculture, Pennsylvania State College, took his sabbatical year's leave to

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organize and conduct extensive research of available material, write the greater part of the book, edit it after consultation on drafts of manuscript with the editorial board, and successfully complete the trying task of getting the job into print. General outline of the book was to make it a working manual that would be of value to the experienced superintendent as well as be of such plain, practical usefulness to enable the man with limited experience and in charge of a small course to improve the course's maintenance standard. Applying this broad scope is the job that Musser has accomplished with high satisfaction. His long and successful experience in turf research and in heading the Penn State greenkeeping courses is reflected in the intensely practical character of "Turf Management."

Chapter headings plainly show the full coverage of the contents. Chapters are: Broad Relationship in the Production of Special-purpose Turf; Soil and Turf Relationships; Fertilizers and Lime in Turf Production; Drainage and Irrigation; Special-purpose Turf Grasses; Turf Propagation; Turf Maintenance; Weed Control; Turf Diseases and Related Damage; Control of Insects and Other Pests; Elements of Golf Course Design; Golf Course Operation.

The chapter on Golf Course Design was written by Robert Bruce Harris and Robert Trent Jones after consultation with their colleagues in the American Society of Golf Course Architects, and presents concise and illuminating fundamentals of course design. The chapter on Golf Course Operation was written by Farnham, in collaboration with T. M. Baumgartner, Sea Island Co.; Ray Gerber, Glen Oaks CC; W. H. Glover, Fairfax GC, and E. W. Van Gorder, Stanford University golf course.

The appendix contains many tables, charts and other data of frequent reference value.

The book is well illustrated and is written simply and compactly.

"Turf Management" is the answer to the oft-expressed need for a working textbook on golf turf.

**Golf Courses—Design, Construction and Upkeep.** Published by Sutton & Sons, Ltd., Reading Eng. Price \$5. . . .

This is a revised and enlarged edition of the book Martin A. F. Sutton of the famed seed house edited and which appeared in its first edition in 1933. Comparison of the two editions shows the impressive advance of course maintenance science in the past 17 years. Sutton credits this advance to the scientists of the British Board of Greenkeeping Research and the USGA Green Section and association scientists at the state agricultural stations.

January, 1951

**Rutledge**

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