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 maintenence science in the past 17 years. Sutton credits this advance to the scientists of the British Board of Green-keeping Research and the USGA Green Section and association scientists at the state agricultural stations.

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The influence of the Scottish golf links on world golf course architecture by Philip Mackenzie Ross is an interesting presentation of the genius and luck of the unknown pioneer Scots who matched the terrain to the strategy of the game and allowed development of hazards at places where the ordinary Green committee would want hazards eliminated.

Robert Trent Jones has an excellent chapter on Golf Course Architecture in the U. S. which refers particularly to the new Peachtree course at Atlanta. Trent Jones was the architect of this course, working with Bob Jones. The adaptation of the Scotch influence as expressed when the late Dr. Alistair Mackenzie and Bob Jones collaborated on the Augusta National course, to the Peachtree course is especially worthy of study. Gentler greens countours and allowance for numerous significant placement of cups are two of the factors at Peachtree representing departures from the Augusta type.

Golf Courses Overseas by C. H. Alison and a chapter by T. Simpson on The Design and Construction of a Golf Course point out some differences between British and American practices. The Simpson material emphasizes soil conditioning and drainage and the appearance of naturalness. Simpson says that much of the construction work today is reconstruction but does not tell about the greater use of mechanical earth handling methods and the design-construction consideration of re-

duced maintenance costs as the American reader would prefer.

The Sutton material on the Formation and Upkeep of Golf Courses and Putting Greens shows difference between British and American practice. The illustrations are many and informative. Differences in terms are somewhat confusing to the American reader but the illustrations often clear away the confusion. These 100 and more pages alone make the book one the American greenkeeper will want in his business library.

A chapter on Golf Club Management of special value to the British type of golf club, a delightful introduction by Bernard Darwin, a bibliography and an appendix of tables complete the useful book.

GOLF CLUB BUSINESS MOVES

(Continued from page 22)

conditions are plans of many clubs to install night lighting at practice tees as it is believed many players with crowded work schedules can make good use of the night exercise and recreation.

Public and fee course operators are wondering if the defense production schedule will stagger the off-days instead of having the customary Saturday and Sunday offdays. It was found during World War II that staggering off-days kept up plant output and reduced absenteeism. It, of course, would be desirable to spread the load on recreation facilities.

