

needed to preserve existing beauty, to give individual character to each hole, to permit proper utilization of terrain to minimize climbing, and to create a course which will challenge the expert and which can, at the same time, be enjoyed by the duffer.

The rougher and the more wooded the property, the greater the area demanded. The shape of the tract also has a great effect on the space required. While good 18 hole courses have been developed on as little as 60 acres, at times 200 acres can be scarcely sufficient.

#### Site Selection An Expert's Job

Many factors must be considered in selecting a golf course site. Among them are soil conditions, water supply, drainage, proximity and character of electric power, sufficient north and south yardage to eliminate sun holes, accessibility, natural beauty of the property itself and of its surroundings, severity of the surface warp, the probable trend of future neighborhood development, and the cost of purchase, of construction and of maintenance.

### TURF MEETING CALENDAR

#### Aug. 3

Turf Field Day, Rutgers University, New Brunswick, N. J. Dr. Ralph E. Engel.

#### Aug. 9

Texas Turfgrass Association Field Day, Cedar Crest Golf Course, Dallas, Tex. Grover Keeton.

#### Aug. 19, 20

Twenty-third Annual Turf Field Days, University of Rhode Island, Kingston, R. I. Dr. J. A. DeFrance.

#### Sept. 8, 9

Turf Field Days, Pennsylvania State University, State College, Pa. Prof. H. B. Musser.

#### Sept. 15

First Annual Rocky Mountain Turfgrass Conference, Colorado A. & M. College, Ft. Collins, Colo. Prof. A. M. Binkley.

#### Sept. 17

Utah Turfgrass Conference, Salt Lake City, Utah. A. R. Emery, 721 East, 3120 South, Salt Lake City, Utah.

#### Sept. 21, 22

Eighth Annual Regional Turf Conference, State College of Washington, Pullman, Wash. A. G. Law.

#### Sept. 27, 28

Midwest Regional Turf Foundation Field Days, Purdue University, Lafayette, Ind. William H. Daniel.

#### Sept. 30

Northern California Turfgrass Conference, University of California, Davis, Cal. R. M. Hagan.

All in all, the selection of site is so important that a competent golf course architect should make it, and it is also vital that no hope of expediting construction or of saving money should induce the owners to go off half-cocked and do preliminary work of any character—clearing, cultivating, drainage, grading, anything at all—before the final plans are prepared and accepted, and without the architect's knowledge and approval.

A well designed layout is fitted to the terrain to give better and less laborious golf, to hold down construction costs, and can be improved from time to time and kept abreast of the development of the game without expensive rearrangement.

The cost of building golf courses varies widely, depending chiefly upon the nature of the property to be developed, local labor conditions, equipment, and the character of the course created.

The cost of executing any given plan is, for the most part, determined by the efficiency and quality of the work done. Though the cost of earthmoving, drainage, irrigation, soil preparation, planting, etc. may be arbitrarily controlled—it all depends on what you are shooting at and how intelligently the work is planned and carried out—the best assurance of economy is a sound design, unaltered without the consent of the architect, and competent construction management.

### Ten-Week Turf Management Course Dates Set

UNIVERSITY of Massachusetts 1955 ten-weeks course in fine turf management again will be held at Amherst, under the direction of Prof. Lawrence S. Dickinson, starting Jan. 3.

This course, established in 1927 as the first of its kind, is open to anyone having had practical connection with golf course turf management. It combines the business and cultural growth aspects of golf course maintenance. Students vary in age from 21 to 50 and come from all parts of the U. S. and Canada.

The course, with the exception of the war years 1943, '44, '45 and '46, has been an annual special course. Certificates indicating completion of the course with satisfactory rating have been awarded to 398 men.

Enrollment is limited. Further information and application blanks may be secured from Prof. Lawrence S. Dickinson, Stockbridge Hall, U. of Mass., Amherst.