

suitability and wearing qualities, the acidity or alkalinity of each green, the acid tolerance of the grasses on the greens, if acid soil types; methods of overcoming acidity or alkalinity; specific information as to top-dressings, composition of top-dressing; composting, and materials available for these purposes.

The investigation also should deal with any pests or untoward growths on the grounds, explain their habits, and means of eradication. It must be the object of the survey to determine all the favorable and unfavorable conditions of plant life and growth on the property examined so that the owners can extend the favorable conditions and take every advantage of them, and at the same time eliminate, or initiate action tending to eliminate, all of the unfavorable conditions.

Basis for Program.

When the chairman and greenkeeper are provided with specific, correct, and dependable information on the soil and turf they are enabled to carry on their work in the light of exact knowledge, and according to technically and practically correct procedures, thus eliminating wasted efforts, time and money spent unnecessarily; besides, and most important of all, preventing mistakes and errors in the handling of turf.

Consistent year by year improvement in turf can only be attained by conscientiously following a definite program. A large number of clubs, notably the Columbus C. C. and Scioto in Columbus, Ohio; Westwood in St. Louis, Onwentsia, Glenview and Sunset Ridge in Chicago, have been making marked progress in turf development through the application of the facts developed by a complete soil survey. Turf development at its best is a slow process, but when nature is aided, year after year, by a program developed upon facts, you can get lasting results at an economical cost.

THE turf on the tee should be composed of a hard deep-rooted grass that will stand cutting of ordinary divots and recover. Therefore a foundation should be made which will encourage the roots to go down, whereas if a tee is only top dressed the roots quickly come to the surface and each divot made is disastrous.

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