

petition to clover, *Poa annua*, and weeds than is of the Virginia strain of creeping bent. The lime plots continued to be superior to the unlimed plots, and the continued performance in this direction for the past five years has largely exploded the acid theory of turf management.

### Seeded Velvet Makes Quick Turf

An excellent sod of Velvet bent grass was established from seed by planting in August, producing a turf suitable for putting by the following May. At the time of observation these plots were as fine as any in the entire series, designed to show the value of various grasses for putting purposes. Seaside bent and Metropolitan creeping bent also produced an excellent putting surface, although more top-dressing was required for the creeping bent than for Seaside.

The comparison of 12 soil types has shown clearly the difference in the value of various soil for turf production. An even more striking comparison demonstrating the value of organic matter, is provided by a series which has received organic matter in the topdressing. All such plots are greatly superior in production of fairway turf to any soil type on which organic matter has not been used. Considerable difference in the value of various sources of organic matter were displayed, with cultivated humus and well-rotted manure showing the best results.

Lime, together with a 6-12-4 fertilizer, produced the best fairway turf of any treatment in the test of grass mixtures and fertilizer treatments for such turf. The continued use of sulfate of ammonia in complete fertilizers, without lime, has proved exceedingly disastrous because of the development of high soil acidity in the course of three years.

Other tests which were on display and discussed were comparisons of soil varying in texture, made equal in organic matter content, acidity, and supplied with the same amount of plant food. Demonstrations ranging from sandy loam to loam seemed superior in the tests as seen on Field Day.

Progress in the development of improved strains of velvet bent and Cheving's fescue was also reported. The improved fescue appears to have strong spreading power by means of creeping stems below the ground and should be a very useful grass on tees, as well as

lawns and fairways. The improved velvet bent is more uniform in color and texture than unselected velvet bent, and is propagated very readily from seed.

Mention was made of a new study which has been inaugurated to determine the relation between the tests for available soil nutrients recently developed, and the vigor of various turf grasses. Completion of such studies will be exceedingly valuable in determining soil deficiencies in the treatments required to restore turf to healthy vigorous condition. Thomas C. Longnecker has been engaged to pursue this particular line of study and to aid in rendering service to golf clubs.

At the dinner which concluded the meeting, E. E. Evaul, formerly of the staff at New Brunswick and now in government soil erosion work, was presented with a watch in appreciation of his work for golf. The presentation was made by Curtis W. McGraw in behalf of the New Jersey Golf Assn.

**G**OLF can be proud of the university scholarships awarded by the Western Golf Assn. under the Chick Evans' caddie scholarship fund and the Western Golf Assn. fund. This work, which was started and pushed by Chick, is described in a booklet issued by the association. Copies of the book may be secured from Ray Fruit, executive sec. of the Western Golf Assn., 175 W. Jackson Blvd., Chicago.

The book contains a picture of the boys who have won these scholarships. A finer looking bunch of boys you'll never see. Walter Dill Scott, Northwestern U. prexy says the WGA caddie scholars constitute one of the finest groups on the campus, with phenomenal scholarship records.

This work needs strong and unselfish support. Chick has, and still does kick in plenty of money and effort, and sets a splendid example for other golfing sportsmen.

**M**ATT MATTESON, Ridge CC (Chicago) pro, claims most effective pro offset to down-town store sales is the kid lesson classes tactfully and earnestly conducted. He also maintains juvenile classes, rightly run, are convincing proofs to club members of a competent pro's value.

Matteson picked the lassie who won this year's Western Junior title out of a group class at Ridge as promising material. Her parents engaged Matt as private instructor for the new girl champion.