

Soil Characteristics in Relation to Golf Courses—Clayton O. Rost, Assoc. Prof. of Soils, U. of M.

Fairway Grasses—John Montieth, Jr.

Trees for Golf Courses—Edward G. Cheyney, Prof. of Forestry, U. of M.

Control of Gophers and Other Rodents—Herbert L. Parten, Extension Entomologist.

Plant Diseases and Their Control—John Montieth, Jr.

Weed Control through Chemicals—A. C. Army, Assoc. Agronomist, U. of M.

Report of Nat'l Greenkeepers' Assn. Convention delegates of Minnesota Greenkeepers' Assn.

February 17.

Mechanical Equipment for Golf Course Maintenance—A. F. Moyer, Chief Eng., Toro Mfg. Co.

Engine Driven Mowers for Fairways—R. S. Kinkead, Chief Eng., National Mower Co.

Landscape Architecture on Golf Courses—Lewis Longley, Asst. Prof. of Horticulture, U. of M.

Golf Course Architecture—Paul N. Coates, Ramsay County Eng.

Analysis of Public Golf Costs and Revenue—Paul N. Coates, Ramsay County Eng.

Recent Developments in Golf Course Maintenance—John Montieth, Jr. (round table discussion).

Harold Stodola, Sec., Minn. Greenkeepers Assn., at the Keller Golf Course, 516 Aldine St., St. Paul, Minn., will furnish complete details to interested greenkeepers, pros and club officials.

Rutgers' Short Course Program Is Announced

RUTGERS University College of Agriculture will hold its fourth annual Short Course in Turf Management Feb. 22-26. The program of the course, as announced by Prof. F. G. Helyar, director, is well rounded and will give attending students an excellent survey of the latest developments in the science of turf management.

The course is open to residents of the U. S. over 18 years of age. Other than a registration fee of \$5.00 and a \$1.00 fee for lecture outlines, there is no tuition. The work will consist of lectures and discussions, with laboratory demonstrations where possible. Enrollment is limited to 20 persons.

The program is as follows:

Monday

Modern turf management.....

.....Dean J. G. Lipman
Soil types and plant growth. Prof. L. L. Lee
Soil Physics—Structure, aeration, moisture supply, etc.....Dr. J. S. Joffee
Drainage—Natural and artificial.....

.....Prof. E. R. Gross
Tuesday

Principles of soil and plant chemistry
.....Dr. J. S. Joffee
Natural supply of plant nutrients from the soil.....Dean J. G. Lipman
Nature of commercial fertilizers.....

.....Prof. A. W. Blair
Use of commercial fertilizers.....

.....Prof. A. W. Blair
The nature of soil acidity and its detectionProf. A. L. Prince
Forms of lime and their use on turf
.....Mr. H. R. Cox

Wednesday

Fertilizer tests at New Brunswick...
.....Dr. H. B. Sprague
Soil micro-organisms and plant nutrition Dr. R. L. Starkey
Compost materials and composting...
.....Mr. H. R. Cox

Structure and function of plants.....
.....Dr. H. B. Sprague

Characteristics of good turf plants...
.....Dr. H. B. Sprague

Thursday

Climatic adaptation of turf plants...
.....Dr. H. B. Sprague
Soil adaptation of turf plants.....

.....Mr. E. E. Evaul
Seeds of turf plants.....Miss J. G. Fiske
Inspection of seed testing laboratory..

.....Miss J. G. Fiske
Turf infesting insects and their controlProf. C. C. Hamilton

Weeds and their control..Dr. H. B. Sprague

Friday

Turf diseases and their control.....
.....Mr. E. E. Evaul

Starting new turf.....Dr. H. B. Sprague
Renovating poor turf.....Mr. E. E. Evaul

Care of turf.....Dr. H. B. Sprague

Advanced Courses Also Offered

For students who have taken the one-week course in turf management, there will be two advanced courses each of 2½ days' duration, offered during the week of Feb. 29-March 4. Course-A will deal with various phases of plant growth; course-B will consider engineering problems. The courses will run concurrently from Monday morning until Wednesday noon, then will be repeated during the remainder of the week, thus allowing students to take either or both subjects.