

Greenkeepers' Short Course and Conference at Penn State

GREENKEEPERS, green-chairmen, park superintendents, gardeners, and others interested in fine turf problems are invited to attend the Greenkeepers' Short Course and Conference at the Pennsylvania State college, February 2 to 27, 1931.

According to H. B. Musser, research agronomist in charge of arrangements, the third annual conference will be held February 25 to 27. Those enrolled for the short course will complete their work by attending this conference.

Instruction in the short course will cover the broad underlying problems which deal with practical turf management. The following subjects will be included in the course: soils and fertilizers, grasses, weeds, insects, diseases, landscape problems, machinery, irrigation, and drainage. Enrollment in the short course will be limited to the first 30 applicants. There will be an incidental fee of \$10 each for this group.

Professor A. L. Patrick will be chairman of the greenkeepers' soil fertility conference. Members of the agricultural faculty who will take part in the program include Professors Patrick and Musser, J. W. White, C. O. Cromer, F. G. Merkle, and H. W. Popp. Others on the program will be County Agent C. K. Hallowell, Philadelphia; Wendell Miller, Chicago; Joseph Valentine, Merion Cricket club, and John Montieth, Jr., Green Section, U. S. G. A.

Soil fertility problems related to the growing of fine turf grasses will be considered in the conference. Valentine will report for the Pennsylvania fine turf research committee. Cromer, White, and Musser will give a progress report on the research projects at State College. Patrick will discuss soil types. Merkle will tell about organic matter, and he and Hallowell will handle the subject of soil acidity. Popp will present the nutritional requirements of plants. Patrick and White will discuss the nature and value of fertilizing materials. Montieth will tell of the relation of soil treatment to fungus diseases. White and Patrick will present the relation of soil treatment to grasses and weeds. White will summarize the recommendations for fine turf.

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