

parks national event, with an expense allowance arrangement approved by the U. S. G. A.

There is much promotion work to be done on a definitely planned basis by those interested in golf as a sport and as a business. The casual character of the present activities is due for consideration and revision which it is hoped it will get at the next meetings of the U. S. G. A. and P. G. A. and the manufacturers' associations.

## Michigan State Tells of December Short Course

**M**ICHIGAN STATE College of Agriculture and Applied Science at East Lansing, announces a tentative program for its short course in greenkeeping which will be held December 1-4.

The program, as released by C. E. Millar, prof. of soils, features:

### (Tuesday, December 1, 1931)

Grasses for Golf Courses—Dr. Monteith, Green Section, U. S. G. A.

Examination and Identification of Specimens of Grasses and Weeds and Round Table Discussion of Grasses—Dr. Monteith and Dr. Darlington.

### (Wednesday, December 2)

Herbert Shave, Pres. of Detroit and Border Cities Greenkeepers' Ass'n, will serve as chairman.

Planting Design for the Golf Course—Prof. Halligan, Department of Landscape Architecture.

Diseases of Turf Grasses—Dr. Monteith. Round Table Discussion of Turf Diseases—Dr. Monteith and Dr. Nelson.

Physical Properties of Soils—Dr. Tyson, Dept. of Soils.

Examination and Judging of Soils Used by Greenkeepers.

Selecting a Topdressing Soil to Fit the Green—Dr. Monteith.

Round Table Discussion of Soils—Experiences of Attending Greenkeepers.

Principles of Drainage, Types of Tile, etc.—Prof. Robey, Dept. of Agric. Eng.

### (Thursday, December 3)

M. F. Webber, Pres. of Western Michigan Greenkeepers' Ass'n, will serve as chairman.

Fertilizer Principles—Dr. Tyson, Dept. of Soils.

Fertilizing the Green—Dr. Monteith.

Round Table Discussion of Green Fertilization—Experiences of Attending Greenkeepers.

Shrubs and Hardy Trees for the Golf Course—Prof. Halligan.

Certified Seed—Prof. Rather, Head of Farm Crops Dept.

Insect Control—Prof. Pettit, Dept. of Entomology.

Identification of Insects and Round Table Discussion of Insect Control—Prof. Pettit.

Weed Control on the Green—Dr. Monteith.

Weed Control on the Fairway—Prof. Megee.

Pumps, Fittings, etc., Exhibits and Discussion—Prof. Musselman, Dept. of Agric. Eng.

Watering Systems—Dr. Monteith.

### (Friday, December 4)

Green Construction—Dr. Monteith.

Electric Motors, Lecture and Demonstration—Prof. Gallagher, Dept. of Agric. Eng.

Insect Pests of Trees and Shrubs—Prof. Pettit.

Diseases of Trees and Shrubs—Dr. Nelson.

## Philadelphia District Holds Course Demonstration and Meeting

**P**HILADELPHIA Green section and service bureau, Philadelphia Association of Golf Course Superintendents, and makers and distributors of equipment and supplies co-operated in conducting a successful demonstration and meeting at the Philmont C. C., Sept. 29.

The proceedings were (a) to observe the operation of different makes of machinery under one set of conditions, (b) to acquaint chairmen and other officials with the extent and character of the superintendents' highly technical problem in selecting proper equipment, and (c) to inform club officials about several sources of highly specialized information the superintendent must consult and appraise. This latter subject showed the attending officials that matters of detail in course maintenance were affairs best confined to the superintendent's province.

The demonstrations included tractors, fairway, tee, and hand and power greens-mowers, brown-patch preventive mixing and application, fertilizer mixing and application, and sprinklers.

Steering the sessions were Joseph Ryan, Rolling Green C. C., for the superintendents and R. C. Slotter, Philmont C. C., for the green section and service bureau.

At the evening session, the main topic was co-operation between superintendents and chairmen. Speakers were Dr. John Monteith, Jr., H. K. Reed, O. W. Schaum, R. C. Slotter, T. E. Dougherty and M. E. Farnham.