

# SHORT COURSE NEWS

Every year, more clubs are realizing the many benefits to be gained in sending their greenkeepers, at the clubs' expense, to at least one of the several educational schools for greensmen held annually at leading colleges and universities.

The marvels the nation's greenkeepers have done in maintaining courses in fine shape even in the face of sharply reduced budgets can be attributed in no small part to the amount of good greenkeepers and course workers have gotten out of these annual educational sessions. GOLFDOM strongly urges club officials to arrange for the attendance of the club greenkeeper at one or another of the short courses and conferences yet to be held before the start of the 1939 playing season. Such investment will be more than repaid in better course operations in the seasons to come.

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**I**NDIANA'S second annual greenkeepers conference will be held January 17-18 at Purdue University, West Lafayette, Ind.

Officials of the Indiana Greenkeepers' Assn., with the Indiana PGA and the Indiana Golf Assn. have worked together in mapping the program, and greenkeepers, pros and club officials of the state have been invited to attend.

The conference will cover subjects pertaining to the maintenance and management of golf courses, and the various subjects will be discussed by men of national prominence in their field. Dr. John Monteith, Jr., USGA Green Section, and Prof. George McClure, Ohio State University, are among the speakers to appear on the program. Prof. G. A. Young is to be toastmaster at the banquet to be held Tuesday evening, Jan. 17. Inquiries should be addressed to M. L. Clevett, Field House, Purdue University.

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**C**OMPLYING with the request of the Mid-Atlantic Assn. of Greenkeepers, the University of Maryland, at College Park, Md., is offering a short course for greenkeepers, to be held January 25, 26 and 27, 1939. Such a course has been discussed from time to time by the Mid-Atlantic greenkeepers and finally last year Pres. O. B. Fitts appointed a committee to take the matter up with the authorities

at the University of Maryland. As a result plans were made for the first greenkeepers' short course to be held in Maryland.

Speakers will include Professors R. P. Thomas, J. E. Metzger, F. S. Holmes, W. B. Kemp, J. B. S. Norton, R. W. Carpenter, S. S. Steinberg from the Univ. of Md.; J. S. Houser, Wooster, Ohio; John Monteith, Jr., USGA Green Section; Fred V. Grau, Penn State College; O. J. Noer, Milwaukee; and C. H. Hadley, U. S. Dept. of Agriculture. The program will close with a dinner at a Washington hotel.

The course is open to all; greenkeepers and others interested in turf from outside the state are welcome. A registration fee of \$3 will cover all university expenses for the three-day program. Those who have not already registered will be able to do so at the time the program opens at the Horticultural building of the university.

Further information concerning the course can be obtained by writing Prof. Ernest N. Cory, Director of Course, College Park, Md.

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**E**LEVENTH annual short course in turf maintenance at Rutgers university College of Agriculture, New Brunswick, N. J., will be held Feb. 13-18. Subjects to be covered include soils and soil management, drainage, turf, plants, insect pests, diseases, seeds, fertilizers and lime, and methods of management.

Tuition is free, but there is a \$5 fee for registration and a \$1 fee for lecture outlines. For applications and further information, write Prof. Frank Helyar, Director of Resident Instruction, Rutgers U., New Brunswick, N. J.

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**E**LEVENTH annual Fine Turf Conference at Pennsylvania State college, State College, Pa., will be held February 22-24. H. B. Musser, associate professor in experimental agronomy at the college, and general chairman of the conference, has lined up an outstanding speaking program which will include Fred V. Grau, J. R. Haswell, S. V. Peterson, J. W. White, Earl Moffit, C. C. Wernham, H. N. Worthley, and J. O. Pepper.

Attention will be centered on the techni-

cal phases of greenkeeping at this year's conference, rather than instruction in elementary soil fertility and related subjects. Sessions of the conference will be held in the Nittany Lion inn on the campus. For further information, write H. B. Musser, State College, Pa.

**IOWA** State college's annual greenkeeping short course will be held February 28-March 1. S. W. Edgecombe, Extension Horticulturist, is general chairman of the two-day course to be held at Ames, Ia.

Speakers and their subjects are: Dr. L. E. Haseman, Missouri State Entomologist, who will speak on "Canker-worm Control in Shade Trees and Control of the Various Borer Types of Insects;" Dr. H. B. Musser, associate professor in experimental agronomy at Penn State college, whose subject is "Soils in Relation to Greenkeeping"; Dr. John N. Martin, ISC, who will give a talk illustrating how grass plants make their food, take in water, etc.; E. P. Sylwester, ISC, on "Control of Weeds in Fairways," and Prof. H. W. Richey, of the ISC department of horticulture, who will speak on "Pruning Shade Trees and Shrubs."

Panel discussions will be held following the speaking programs both days. Additional information on the course may be obtained by writing S. W. Edgecombe.

**GREENKEEPING** short course at the University of Wisconsin, Madison, will be held March 6, 7, 8, although officials may decide to start the course one day later. Prof. James G. Moore of the U. of W. agricultural college is planning the program for the course, which as yet has not been announced.

**MASSACHUSETTS** State college's 13th annual school for greenkeepers is now in session, having gotten under way January 3, and will conclude with an exhibition show from March 10-12. Prof. Lawrence S. Dickinson was the founder and director of this course, the oldest of its kind in the country.

The course this year has been divided into two terms of five weeks each. A student can take the first term in 1939 and the second in 1940 or later, but no certificate is awarded until work is completed in both terms. In addition to regular Mass. State college staff members, Prof. Dickinson will be assisted by Carleton E. Treat, veteran greenkeeper.

## Buffalo Muny Course Gets Modern Watering System with WPA Aid

**I**NSTALLATION of an extensive sprinkling system costing approximately \$55,000 has been completed at Grover Cleveland Park public golf links, Buffalo, N. Y., under a project operated by the WPA and sponsored by the Buffalo Municipal Parks department. This golf course, located north of the city limits, was formerly the privately owned Buffalo CC.

The golf course proper occupies 120 acres and is an 18-hole links with a 70 par.

Eighteen greens, fairways, and tees plus one practice green have received the benefits of this new sprinkling system. Buckner fairway valves were installed on all fairways. Eighteen sprinkler heads, 18 gate valves and 18 pop-ups, one for each tee, were installed.

A pump house 14 by 18 also was built and equipped with a double suction centrifugal pump connected through a flexible coupling to a motor of ample size and having 50 h.p. This pump has a capacity of 500 gal. per minute. This capacity was necessary to feed the extensive system of pipe lines laid by the WPA.

Statistics dealing with the project of installing this sprinkling system reveal that its estimated cost was \$54,424, of which the Federal government allocated \$33,224 for relief workers' wages and \$8,400 for equipment costs, while the city of Buffalo sponsored the work at a cost of \$12,800 for materials.

Total steel pipe placed in the grounds amounted to 20,420 feet, costing more than \$35,000. The WPA excavated 1,935 cubic yards of earth and cared for backfill, costing \$8,707. Five hundred cubic yards of rock excavation were necessary, costing \$2,395. Two hundred and seventeen sprinklers were installed on the course at a cost of \$2,743. Grading and seeding of 7162 square yards of land cost \$4,435. The new pump house of concrete cost \$950 and electric service lines and wiring cost \$875.

Original plans for pipe laying contained the following specifications: 1,800 feet of 6" galvanized pipes; 3,700 feet of 4"; 5,000 feet of 3"; 2,600 feet of 2½"; 1,600 feet of 2"; 200 feet of 1½"; 7,200 feet of 1¼" and 150 feet of ¾ inch. After the original plans were drawn and the task almost completed it was found essential to add 1,000 feet more of pipe lines.