

GREENKEEPERS Are Set for LOUISVILLE, FEB. 5-7

FRED BURKHARDT, chairman of the exhibit committee of the National Association of Greenkeepers of America, and Prof. George M. McClure, soil technologist of Ohio State University, chairman of the association's program committee, have whipped loose ends into shape for the fourth annual convention of the organization to be held at Louisville's vast armory, February 5, 6 and 7. To this conclave it is expected the greenkeepers will come in greater numbers than ever present at any prior meeting of the association. President John Morley is pointing his team for a meeting that will show definite results in the improvement of the country's golf course condition. The happy combination of McClure's program and Burkhardt's corral of equipment and supplies ought to have appreciable effect in furthering the greenkeeper's ambition.

McClure, who is an outstanding practical and theoretical man, has lined up a program that presents some of the field's stars who will hand out to the assembly their findings on problems constantly tending to age the conscientious greenkeeper before his due time. Program sessions are to be held in the afternoon, thus leaving the mornings free for inspection of the exhibits. The program in full:

WEDNESDAY, FEBRUARY 5—2:00 P. M.

Introduction of chairman by President John Morley.

Addresses of Welcome—By Henry Heyburn, Louisville, Ky.; by Vertner D. Smith, Pres. Louisville C. C.; by Harry Dumesnil, Pres. Big Spring Golf Club; by Joseph C. C. Steidle, Pres. Audubon C. C.

The Fraternal Side of Greenkeeping—By Lewis M. Evans, Philadelphia.

Seeds and Grasses—By Prof. L. S. Dickinson, Amherst, Mass.

Functions of the three plant food elements—By A. E. Grantham, Richmond, Va.

THURSDAY, FEBRUARY 6—2:30 P. M.

The Life and Activities of Soil Bacteria—By James A. Smith, London, Ohio.
Experiments in the Turf Nursery—By

Dr. Howard B. Sprague, New Brunswick, N. J.

The Trend of Greenkeeping—By O. J. Noer, Madison, Wis.

Drainage and Soils—By Wendell P. Miller, Columbus, Ohio.

FRIDAY, FEBRUARY 7—2:30 P. M.

My Cure for Brown Patch—By Prof. L. S. Dickinson, Amherst, Mass.

Greenkeeping Problems in Canada—By W. J. Samson, Toronto, Ont.

Activities of the Green Section—By Dr. John Monteith, Jr., Washington, D. C.

Taking Care of the Trees—By Hon. Martin L. Davey, Kent, Ohio.

Exhibits a Practical Feature

Growing out of the limited space of the previous exhibits in hotels, the greenkeepers this year will provide show facilities better than those hitherto available. The Jefferson County Armory, in which the exhibition and meetings are to be staged, is one of the leading establishments of its kind. One of the educational stunts to be put on during the convention is a competition in putting green building between an eastern team headed by the husky and expert Joe Valentine of Merion Cricket club and a western bunch captained by Charley Erickson, the skilled, smiling Nordic whose 28 years at Minikahda constitute a triumphant career of greenkeeping achievements. Each team will make a green out of moulding sand, contoured and bunkered to scale for any length and type hole the constructors may elect. Each team must furnish a drawing of its green at least three feet square, showing the scale on which the green is built and indicating drainage and other features. A committee of architects and pros will award the prize of \$100 to the winning team.

This year's list of exhibitors will include practically all of those showing at the association's former exhibitions and several who are making their maiden appearances at these events. A partial list of the exhibitors:

Toro Manufacturing Co., Minneapolis, Minn.; International Harvester Co., Chi-

cago, Ill.; Roseman Tractor Mower Co., Evanston, Ill.; Worthington Mower Co., Stroudsburg, Pa.; Pennsylvania Lawn Mower Works, Philadelphia; Ideal Power Lawn Mower Co., Lansing, Mich.; Jacobson Manufacturing Co., Racine, Wis.; E. G. Staude Mak-A-Tractor Co., St. Paul, Minn.; Pelican Works, Niles, Mich.; Thompson Manufacturing Co., Los Angeles, Calif.; National Mower Co., Minneapolis, Minn.; O. M. Scott & Sons Co., Marysville, Ohio; Grasselli Chemical Co., Cleveland; L. R. Nelson Mfg. Co., Peoria, Ill.; Standard Mfg. Co., Cedar Falls, Iowa; American Seed Co., Detroit, Mich.; J. Oliver Johnson, Inc., Chicago, Ill.; Buckner Mfg. Co., Fresno, Calif.; Ohio Humus Products Co., London, Ohio; Sherman Mfg. Co., Battle Creek, Mich.

Milwaukee Sewerage Commission, Milwaukee, Wis.; Henry H. Doty, Chicago, Ill.; Atkins & Durbrow, New York City; Hyper-Humus Co., Newark, N. J.; Virginia-Carolina Chemical Corp., Richmond, Va.; George A. Davis, Chicago, Ill.; Koppers Products, Pittsburgh, Pa.; Cooper Mfg. Co., Marshalltown, Iowa; Friend Mfg. Co., Gasport, N. Y.; Hal Billig, Inc., Chicago, Ill.; I. L. Radwaner Seed Co., New York City; Lyman Carrier, Inc., Granger, Ind.

Wisconsin University Plans Greens Course, Feb. 10-14

UNIVERSITY OF WISCONSIN, College of Agriculture, announces a short course for greenkeepers to run Feb. 10-14. This course will give consideration to a number of vital problems of golf course maintenance.

The number which can be accommodated is limited to sixty. Applications will be accepted in the order of their receipt until the maximum number is reached. Applications must be filed not later than Feb. 10, 1930.

A registration fee of \$10, payable when application is made, will be charged to help defray the expense involved in giving the course. There will be no other fees. Registration will be at the horticultural building, University of Wisconsin. Those who are to be members of the course are expected to be on hand and registered by 12 noon, Feb. 10, as the work will start at 1:15 p. m. on that date.

The staff to conduct the course will include: Prof. F. A. Aust, landscape design, U. of W.; Prof. C. J. Chapman, soils, U. of

W.; A. S. Dahl, diseases specialist, U. S. G. A. greens section; Prof. F. W. Duffee, agriculture engineering, U. of W.; Prof. E. J. Graul, soils, U. of W.; Prof. E. R. Jones, agricultural engineering, U. of W.; John Monteith, grass specialist, U. S. G. A. green section; O. J. Noer, soils and fertilizer specialist, formerly soils department, U. of W.; A. L. Stone, professor of agronomy, U. of W.; C. A. Tregillus, manager A. D. Lasker estate, Lake Forest, Ill., and Prof. H. F. Wilson, economic entomology, U. of W.

The tentative program covers: Grass for golf courses, their adaptation and propagation, by Mr. Monteith; properties of soil and their relation to plant growth, by Mr. Noer; soil acidity, its detection and control, by Mr. Graul; grass seeds and their impurities, by Mr. Stone; sources of plant nutrients, by Mr. Chapman; grasses for greens, by Mr. Monteith; laboratory instruction, in three sessions, on seed studies, gas engines, land drainage, and soils; use of fertilizers for turf development and maintenance, by Mr. Noer; diseases of grass and their control, by Mr. Dahl; animal and insect pests of golf courses, by Mr. Wilson; round table on grass fertilization, by Mr. Noer; tree planting and care, by Mr. Aust; principles of land drainage, by Mr. Jones; care of turf, by Mr. Monteith; round table on grass problems, by Mr. Monteith; the labor factor, by Mr. Tregillus; drainage problems, by Mr. Jones; golf course equipment, by Mr. Tregillus, and landscape problems, by Mr. Aust.

James G. Moore, horticultural department, University of Wisconsin, Madison, Wis., will furnish other desired information.

Catalog Helps Pro Correct Old High Price Idea

By FRED ROBINSON

Pro Hill Crest Country Club, New Kensington, Pa.

BACK in the days when golf was taking its first step toward its present popularity as the national game there was formed the notion in the minds of many beginners that golf merchandise on sale at the pro shop cost more than that which was obtainable at stores.

The players didn't know enough about the comparative merits of the clubs on sale at the two places to realize that, for good