the manufacturers' exhibits at the Chicago Show is the realization that in the interests of economy of operation, antiquated equipment will have to be replaced. Sprinkling systems, mowers, and the scores of other forms of equipment necessary in the maintenance of a modern golf course are wasting thousands of dollars through their inefficiency. Boards of directors will be shown at the outset of the new year that going through another season with worn-out equipment will mean an unnecessary drain on the club treasury.

Thus we are looking forward to a really great show in February. And with the thorough groundwork our convention officers are laying for the association members and exhibitors here in Chicago, presence at this convention and show will prove highly profitable. The World's Fair city is expecting all of us for a pre-view of its famous Century of Progress.

Conference Program

WEDNESDAY, FEBRUARY 1, 1933

EFFECT OF CUTTING ON ROOT GROWTH
By Dr. C. M. Harrison
University of Chicago, Chicago, Ill.

REHABILITATING OLD GOLF COURSES
By Grange Alves, Pro-Greenkeeper
Acacia Country Club, Cleveland

HUNTING FOR THE PERFECT GRASS
By Professor H. B. Musser
University of Pennsylvania, Philadelphia

BETTERING MAINTENANCE AT SMALL TOWN GOLF COURSES
By Professor V. Stoutemyer
University of Iowa, Ames, Ia.

MUNICIPAL COURSE MAINTENANCE
By Harold E. Stodola, Greenkeeper
Keller Golf Course, Saint Paul, Minn.

MAINTENANCE PRACTICES OF 1932
By O. J. Noer
Milwaukee Sewerage Commission, Milwaukee, Wisconsin

THURSDAY, FEBRUARY 2, 1933

GREENKEEPERS' VITAL IMPORTANCE TO GOLF
By Ganson Depew,
United States Golf Ass'n., Green Section, Washington, D. C.

BUDGETING FROM THE GREENKEEPERS' VIEWPOINT
By R. E. Farmer, Greenkeeper
Brynwood Country Club, Milwaukee, Wisconsin

BUDGETING FROM CLUB MEMBERS' VIEWPOINT
By C. W. Johnson, Greenkeeper
Sunset Ridge Country Club, Winnetka, Illinois

POSSIBLE EFFECT OF EXTENSION OF FAIRWAY WATERING RELATING TO PRESENT MAINTENANCE PRACTICES FROM THE GREENKEEPERS' VIEWPOINT
By Edward B. Dearie, Jr., Greenkeeper
Ridgemoor Country Club, Chicago, Illinois

POSSIBLE EFFECT OF EXTENSION OF PRESENT FAIRWAY WATERING FROM THE PLAYERS' VIEWPOINT
By Paul E. Green
Chicago, Illinois

MUNICIPAL COURSE MAINTENANCE
By Harold E. Stodola, Greenkeeper
Keller Golf Course, Saint Paul, Minn.

SOILS, THEIR COMPOSITION AND FERTILITY
By Professor H. B. Musser
University of Pennsylvania, Philadelphia

THE GREENKEEPERS WORK IN BROAD PERSPECTIVE
By D. W. Danley, Manager
Glen Oak Country Club, Glen Ellyn, Illinois

MACHINERY MAINTENANCE
By Ralph Johnson, Greenkeeper
Medinah Country Club, Chicago, Illinois

INSECTS, THEIR HABITS AND CONTROL
By Dr. W. P. Hayes
University of Illinois, Urbana, Illinois

DEPARTMENTAL COOPERATION
By Alex Prie, Pro-greenkeeper
Old Elm Country Club, Lake Forest, Illinois

FRIDAY, FEBRUARY 3, 1933

RECENT TECHNICAL DEVELOPMENTS IN TURF MAINTENANCE
By Dr. John Monteith, Jr.
United States Golf Association Green Section, Washington, D. C.

THE GREENKEEPERS WORK IN BROAD PERSPECTIVE
By D. W. Danley, Manager
Glen Oak Country Club, Glen Ellyn, Illinois

SOILS, THEIR COMPOSITION AND FERTILITY
By Professor C. E. Miller
Michigan State College, Lansing, Michigan

MACHINERY MAINTENANCE
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