

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

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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

POSSIBLE EFFECT OF EXTENSION OF PRESENT FAIRWAY WATERING FROM THE MOWER MANUFACTURERS' VIEWPOINT

By EDWARD H. WORTHINGTON, *Vice President*
Worthington Mower Company, Stroudsburg, Pa.

GREENKEEPERS' PROGRAM OF SELF EDUCATION

By PROFESSOR J. G. MOORE
University of Wisconsin, Madison, Wisconsin

(SUBJECT TO BE ASSIGNED)

By DR. E. J. KRAUS
University of Chicago, Chicago, 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

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 PIRIE, *Pro-greenkeeper*
Old Elm Country Club, Lake Forest, Illinois