

answer period that followed was Porter Dix of the Johns-Manville Co.

Paul Burdett, dealer in turf materials, traced the swing over the past 7 years from old to new materials. He stressed that the rate, the concentration, the amount of rainfall, the relative humidity, the growth stage of the grass, the type of season, the method of application or machine used—all affect how a turf material responds on grass.

Dr. C. M. Harrison, head of the Department of Farm Crops at Michigan State College, spoke on the requirements of grass and its culture. Also, he stressed the importance of planting species and varieties which are adapted to given conditions and for particular uses. Dr. Harrison cited experimental data which suggests that the ryegrasses and red top severely retarded the growth and development of bluegrass and red fescue when grown in combination with these species. He recommended reducing seeding rates and more careful attention to seedbed preparation, fertility requirements and time of planting grass seed.

Harold Bohling, nurseryman and landscaper at Munster, Ind., told how his firm establishes lawns on various types of areas of varying size. He recommended simplifying operations so that power machinery could be used to a maximum.

Carol Lawrence, landscape architect with Upjohn Laboratories, Kalamazoo, Mich., traced large lawn-playground areas from the time the company decentralized from the city to when the new building and playground facilities were established. By slides, Miss Lawrence showed grass that was growing beautifully on a 1,600 acre tract on what she said was originally poor soil.

City United in Turf Improvement

Robert Duke, landscape architect with Western Electric in Indianapolis, made his talk on the Indianapolis Yard-Parks Program with how city citizenry began their local beautifying campaign. After being branded a dirty city by John Gunther a few years ago, an Indianapolis newspaper, botany groups, turf specialists, fairs and the city Hobby Show were welded into a home and factory, yard-beautifying program. Contests of various kinds and a 6-weeks high school course taught by seven Indianapolis high schools have heightened interest in the landscape improvement program.

In a sectional meeting, Eric G. Sharvelle gave his group up to date findings on turf disease control as it is found today in Ireland and England. He believes that feeding a fungicide to grass—a "systemic" fungicide—has definite possibilities. Sharvelle conferred with an English fungicide manufacturer who is experimenting with the method.

Other speakers in this panel were Dr. Charles Wilson, extensionist with the Green Section, USGA; Dr. John Vaughn, Michigan State College plant pathologist who helped test Acti-dione, a turf antibiotic; and William Klomprens, graduate assistant in plant pathology at the same college. While Acti-dione has been effective in controlling melting out disease, it is not available commercially as yet.

Dr. Wilson said that there is no substitute for good turf management in helping to control disease. Fertility levels, water management and drainage, aeration both above and below standing turf, mechanical damage and compaction, the degree of mat formation—all these affect the ability of proved fungicides to prevent or cure infected turf. He listed the fungicides and combinations that helped or cured various conditions in the 1951 National Cooperative Turf Fungicide Trials.

Dr. W. H. Daniel, MRTF extensionist and researcher, described the 4-year turf management curriculum offered at Purdue. He also spoke on how people with turf trouble could help themselves by asking at the right places. Dr. R. B. Alderfer, Pennsylvania State College soil technologist, presented the results of extensive experiments showing the effects of soil compaction on the loss of rainfall by runoff.

Mal McLaren Heads Midwest Regional Turf Foundation

Midwest Regional Turf Foundation members on March 4, re-elected Mal McLaren, Oakwood Club, Cleveland, president. Elected to vice-president was Taylor Boyd of the Camargo Club, Cincinnati. Dr. Kenyon T. Payne, Purdue plant geneticist, was re-elected treasurer and Dr. W. H. Daniel, Purdue turf specialist, was elected executive secretary.

Directors elected were Taylor Boyd, Camargo Club, Cincinnati; Carl Bretzlaff, Meridian Hills CC, Indianapolis; William Stupple, Exmoor CC, Highland Park, Ill.; Les Verhaalen, Brynwood CC, Milwaukee, and Ward Cornwall, Lochmoor CC, Detroit.

To provide better distribution among the various in-state subdivisions of the foundation, the executive secretary, the treasurer and Dr. Fred V. Grau, director, USGA Green Section, Beltsville, Md., were all made ex-officio directors. They were replaced by 3 of the elected directors, raising the total number of directors to 12 instead of 9.

Directors continuing unexpired terms include Edward Fifield, Gary, Ind., Municipal Golf Courses; Joe Graffis, GOLFDOM, Chicago; Al Linkogel, Westwood CC, St. Louis, and Mal McLaren of Cleveland.