

3rd Low Net—Lester Verhaalen—Brynwood Country Club, Milwaukee, Wisc. 107-32-75.

4th Low Net—Albert Decker—Merrill Hills Country Club, Waukesha, Wisc. 90-13-77.

In addition there were 34 blind bogey winners and 15 door prizes.

The W.G.C.S.A. wishes to express its appreciation and thanks to the members of Westmoor Country Club, merchants and Westmoor Country Club for the gifts that helped to make this meeting a success. The following donated prizes, Perry Smith—Chairman of the Green Committee of Westmoor, S. Halquist, member of Green Committee, Golf & Garden Equipment Co., Kellogg Seed Co., R. L. Ryonson Co., Milwaukee Sewerage Commission, Jacobsen Mfg. Co., Blatz Brewing Co.

The Prize and Tournament Committee-Ray Mertens, John Stampf and Onie Williams did an outstanding job on this golf event.

Our next meeting will be held at Ozaukee Country Club on Tuesday, October 2. Arnold Wessel, Host Superintendent.

Charles Shiley, President.

LOUISVILLE MEETING

The educational program for the National meeting in Louisville got under way on Sept. 17th when chairman Bob Williams called a meeting of people from turf interests. The meeting was held at the Chicago Athletic Club. The first draft of the program will be out within the week and includes several interesting items. It is planned to present a topic on the responsibilities of the Golf Course Supt. through modern management. This subject will be presented by six superintendents from various parts of the country. Another feature will be a presentation of the status of the training of new men within our field. This will be on the order of a progress report by individuals most vitally concerned. A new approach to the reporting of technical "meat" will be made by having all the new findings and observations of research collected together into one topic as a condensed report.

So far, the program looks good and the BULL SHEET will try to keep you informed as to the development of the program.

SAFETY IN THE USE OF PESTICIDES

Many thousands of pounds of pesticides—insecticides, fungicides and herbicides—will be used this year across the nation. These materials will give good results if they are used properly. But if the future can be forecast by the past, there will be some accidents which can be traced in virtually all cases to that very human trait, carelessness.

If you are going to use any kind of pesticide, start with the premise that it is poisonous. This will put you in the proper frame of mind to handle it with care; besides, many of the common pesticides are actually deadly poison. The directions and cautions that are on the printed label are the result of endless reasearch on the part of the manufacturer, and are placed there for good reason—to assure you satisfaction and safety in the use of the product. *Read them carefully and follow them to the letter.*

Don't use old materials from which the label is missing or has become so faded and blurred that it can't be read. Avoid breathing in any of the dust or spray mist while handling or applying the material. Keep your hands away from your face while in the process of applying the dust or spray, and wash your hands thoroughly in soap and water as soon as you've finished the job. And finally, burn or bury empty pesticide containers.

—Shade Tree Digest

LIGHT AN AID IN SOIL STUDY EXPERT SAYS

There are certain elements in the soil that give off light under the right laboratory conditions, and this light is helping scientists learn more about those elements.

With an expensive and complicated instrument called a spectrograph, they take a picture of the light that gives them a good idea of how much of each element the soil contains.

The spectrograph measures the metallic elements, such as magnesium, boron, copper, sodium, zinc and calcium, many of which are found only in traces in the soil.

Although the spectrograph is huge—it takes eight men to move it—the procedure for using it is simple, according to J. H. Muntz, University of Illinois spectrographer.

Soil Is Energized

First, the soil sample is energized; that is, it is placed under an arc light so that the elements absorb some light.

When the soil is placed in the spectrograph, light from the elements passes through a prism, which breaks it up into all colors of the rainbow, and it is photographed.

Each element gives off its own color of light. From the picture, technicians can tell how much of each element is present in the soil.

Since the amounts of many elements can be measured at once, Muntz points out, this method is quicker than chemical tests. The small amounts can be measured in small amounts, and the picture gives a permanent record of the analysis.

Muntz expects the spectrograph to find increased use in soil research.

Our congratulations to Butch Bernardini for his great job of conditioning Knollwood for the National Amateur. His course received many compliments from the contestants and we can say that it was a credit to our district to have a course in such fine condition for a tournament such as that.

We saw Chet Keeley at the Purdue Field Days, and he says that the Michiana meeting at Notre Dame will be on November 19. Chet says that the turkeys are coming along in fine shape and will be in their prime by that time. Anyone who has attended these meetings never forgets the cordial greeting and hospitality extended to him at Notre Dame.

SPREADING IT THIN

Rainfall and its lack continues to be a major topic of conversation in the district this fall. The soil is dry way down, unwatered grass is so dry that players have to be careful not to let lighted cigarettes fall on unwatered fairways and especially in the rough. A fire starts easily now and spreads fast. Maybe the new moon will bring a change.

There was never a time when Grounds Superintendents have been more busy with renovation and new construction and many who have not yet started tearing up greens and tees and fairways are just waiting till the play drops off to get started. Oak Hills is getting two new greens, one already completed before Oct. 1st, the other scheduled to start at that time, Don Gerber at Chicago Golf has airified many fairways, Jerry Dearie is itching to start the six greens that have been approved for rebuilding at Medinah C. C. Jerry designed the greens the McIntosh brothers built at Oak Hills, John Coutré of Itasca C. C. is leading some fairways and hopes to do more, the new par three 9 hole course on Army Trail Road west of Addison, called the Addison Golf Club has seeded their fairways and started planting the greens the last week in September. Dave Mastroleo will be their new Supt. of Grounds after January 1st. Al Rausch of Bonnie Dundee is building a new house