

THE BULL SHEET, official monthly publication of the MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS.

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### THE PRESIDENT'S MESSAGE

The Midwest Regional Turf Foundation is having its Annual Field Day at Purdue University on August 3, and I wish to urge you all to attend if at all possible. Dr. Bill Daniel has been working hard to make this day an important one to us all. Dr. Daniel is a hard and sincere worker and is doing all he possibly can to promote better and better turf. It is our duty to get behind him and to help him in any way we possibly can. We can do this by promoting the Midwest Turf Foundation at our clubs. Explain what it is all about so that club officials will get a clear idea of what we are trying to do and if your club is not already a member of the Foundation, by all means talk it over with your Chairman and chances are if you recommend joining, it will be done. Certainly the dues are very reasonable and I don't think the cost is going to stand in the way of more clubs joining. The fact is that the clubs never have had a clear picture of the Foundation and what it means to the men who are working with turf.

So lets all turn out and give Dr. Daniel a big boost by the largest attendance yet. See you at Purdue.  
Ray Davis, President

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### THE MEETING AT WHITE PINES

Fourty-four golfers turned out for the golf tournament at White Pines Country Club on July 13. The players reported the course in great shape and a good time was had by all. The refreshments furnished by Roseman Tractor Equipment Company were greatly appreciated and enjoyed.

At 6:30 P.M., we sat down to a delicious roast beef dinner and after dinner President Davis called the meeting to order. After transacting routine business of the Association, John Darrah was called on to give us a talk on his experiences in travelling about the country for W. A. Cleary Corp. John has really seen a lot this spring and summer and had a number of Kodachrome slides which he showed us. The boys were very much interested in what John had to tell us and we hope to hear from him again in the near future.

The meeting was adjourned at 9:30 and a social hour followed.

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### COMING EVENTS

M.R.T.F. Field Day, Purdue University, August 3.  
The Aug. meeting, Sportsmans Country Club, Aug. 10  
Pro.-Supt. Tournament, Mission Hills Country Club, August 31.  
Midwest-Wisconsin Joint Meeting, North Shore C. C. Glenview, Illinois Sept. 14.  
The October Meeting and Fall Tournament, Tam O Shanter, C. C., October 5.

### SOIL CONDITIONING OF GREENS & TEES

A. H. Smith

More than a year ago the phrase "Soil Conditioner" began to make headlines in the agricultural and gardening world. The use of a chemical, polyacrilonitrile, had made it possible to change the physical properties of clayey and silty soils. It made them equal to good loam or soil treated with peat moss in tilth and drainage.

In this period since original announcement various formulations other than "polyack" have been marketed, even by leaders in the field, with claims of less cost and improvement over "polyack". With sufficient time elapsed test comparisons show that polyacrilonitrile is most proficient in 1. Improvement of soil aggregation. 2. Permeability of water. 3. Retention of moisture and oxygen. 4. Germination of small seeds (grass seed) due to more uniform soil moisture.

It has been of particular concern to golf course superintendents whether treated soil would lose its conditioned quality due to winter freezing and thawing or by traffic from play. Laboratory tests show only slight disturbance of soil aggregation.

Of course the real proof of any product is its practical application under the job conditions. In this proof by use, results are on a high level of satisfaction. Where treatments were made a year ago, no lessening in improvement value, in this time is noted on golf greens or tees. The easy entrance of rain and water is still on a highly efficient basis. Deeper root systems are the rule and growth better due to uniform moisture level.

Superintendents tests are nearly always conducted on the greens which exhibit most signs of compaction. The poorest greens, the ones that habitually "go out" in summer.

Chemical soil conditioner will maintain the soil particle size, or aggregate that is present at time of application. This is accomplished in two ways with liquid soil conditioner. First, loosen the soil by aerifying. Second the soil particles are swelled by absorption of a solution of one gallon of conditioner in forty gallons of water sprayed on five hundred square feet of green or tee. The liquid solution in this volume swells the soil particles which thereafter will remain at that size increasing their water holding capacity by 40-50%.

This treatment has been followed with these results noted. Cups are easier to insert — remove more readily. Heavy rains and water are absorbed into the soil. No puddling and no run off. These may be noted twenty four hours after treatment. Other benefits as heavy root systems that go deep into the soil, improve appearance of the green and money saved in labor and water will follow.

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### GOLF WINNERS AT WHITE PINES

In the absence of Dom Grotti, Golf Chairman, Frank Dinelli assisted by Howard Baerwald took over.

The winners were as follows:

Seniors. 1. Oscar Borgmeier; 2. Frank Mastroleo  
Low Gross. 1. Don Swenson; 2. Dick Buchen; 3. Jim Finaglio; 4. Mel Warnecke; 5. Joe Canale; 6. Bob Williams.  
Blind Bogey. 1. Pete Simmons; 2. Joe Dinelli; 3. Charley Vann; 4. J. J. Schwander.