

ball rests in the hazard.

Maintaining a 3- to 4-inch lip on the bunker in the direction of play is recommended for bunkers near the putting surface. The goal is to deter the player from putting out of the hazard. Sand should be raked flush with the back and side edges of a bunker. Lips are not required

on fairway bunkers.

Good drainage is essential for all areas of the golf course, and sand bunkers are no exception. Sometimes rainfall and irrigation water accumulate in sand bunkers because of their shape, depth, and location; therefore adequate subsurface drainage is especially important. Nothing is more aggravating to a player than to find his ball lying in water or very wet sand days after a rain. Quality playing conditions for bunkers require an effective draining system.

In conclusion, there are two basic considerations in providing good-quality playing conditions for sand bunkers. First, the sand should conform to a recognized set of guidelines, and, secondly, meticulous maintenance of sand and the area surrounding the bunker is essential. Sand bunkers should add to the beauty. character, and playability of a golf course, not detract from it! Maintenance personnel at the best golf courses are constantly reminded of the special attention required to insure quality playing conditions from the sand bunkers.

## ZONTEK, SNOW HIGHLIGHT APRIL MEETING

Wet, sloppy snow gave Easter in southern Wisconsin a Christmaslike appearance, shocking Golf Course Superintendents as much as National Weather Service

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forecasters. Bruce Worzella's golf course was covered with 2 inches of snow as late as 10:00 Tuesday. the day of the WGCSA's April 24th meeting. By 1:30, warm sunshine had melted away almost all of the snow, and Bruce opened the course to play. Eight hardy and hearty WGCSA members "played

Despite the possibility of cancellation of the day's golf activities, we counted about 75 members in attendance at the meeting. Good, old-fashioned comradery and Gemutlichkeit among the gathered members seemed a fair substitute for golf

that day.

The West Bend Country Club is a favorite meeting place of the WGCSA, and the West Bend staff Pro Don Hill, Club Manager Bob Monaghan, Bruce and Assistant GCS Roger Baumann - were the gracious hosts they always have been. We were served an excellent evening meal and treated to a dessert selection few could refuse!

Stan Zontek returned from his United Kingdom trip just in time to address the meeting. Speaking without slides (that had to be a first for Mr. Zontek!), Stan shared many of the experiences and observations about his trip to the land where the "ancient and honorable" game of golf began. His remarks had a theme of "Similarities and Differences" of British and American golf courses and golf course superintendents (greenkeeper, in England). It was interesting to learn that the Europeans struggle with many of the same problems we do - Poa annua, poor drainage, soil compaction, thatch, soil layering and low budgets, to name a few. Some of the differences in golf course management between the two countries are dramatic and shocking - few pesticides are used, practically no fertilizer applications are made, and soil aerification is accomplished by "slitting" rather than coring as we do. A depressing difference, we learned, was the incredibly low salary levels of English Greenkeepers and the minimal contact and input they have with members in the decision-making process.

Stan felt they had a strong advantage over us in one area, however. In Britain, the attitude of the players is that you "play the course as you find it". They seemingly are untroubled by many of the things that tend to aggravate and upset the American golfer. Also. Stan noticed a real sense of pride and a near reverence for history and tradition among the British golfers, an attitude he found himself caught up in. He also spoke of a moment of silence at the grave of OLD TOM MORRIS of St. Andrews, the first "keeper of

the green" in golf. The only business conducted by the membership was action on a recommendation of the Board of

Directors to grant a \$1500 gift to the Wisconsin Turfgrass Association for turfgrass research at the University of Wisconsin Madison. Tom Harrison spoke to the need for support from the golf course industry in Wisconsin and of the necessity for a strong commitment on the part of the WGCSA to research at Wisconsin's land grant college. The motion carried

by a unanimous vote.

All in all, it was a delightful and educational day for everyone.