

Many of the categories on the log are self-explanatory, however a few may need some clarification. Sky conditions are recorded by taking into consideration the whole sky, not just the area directly above, and judging the amount of cloud coverage in tenths.

Clear = 0/10 to 2/10 coverage
 Partly cloudy = 3/10 to 5/10 coverage
 Partly sunny = 6/10 to 8/10 coverage
 Mostly cloudy = 9/10 coverage
 Overcast = 10/10 coverage.

The weather column records any precipitation or weather phenomenon occurring at the time of the observation.

The pressure, temperature, and wind direction and speed are taken directly from the readings on the weather instruments.

The remarks column reports anything pertaining to the weather that is not recorded in the other columns.

The next section is climatological information. One column is for the National Weather Service readings and the other for the golf course's data. This allows a comparison between the golf course's weather station and the closest official weather station. The National Weather Service's climatological data for each day is listed in the newspaper.

The final section is for comments on any problems that showed up that day on the golf course's turf or ornamental plantings.

This is a rather extensive log, but it shows what kind of information can be gathered with a few instruments. Most superintendents will probably want a more simplified log.

A very good book on the basics of Wisconsin's weather called *Wisconsin Weather*, by Richard S. Palm and Anthony R. deSouza (2nd ed., Burgess Publishing Co., Minneapolis, MN, 1983), is excellent background reading for the beginning weather observer. The first three chapters explain the basics of weather. Chapter four gives an overview of Wisconsin's weather month by month. Chapter five deals with weather forecasting. Chapter six contains up-to-date summaries of weather variables (precipitation and temperature averages and extremes) for 147 stations throughout the state.

By correlating weather records

with turf reactions to the weather, a superintendent can improve his or her understanding of the course's turf—its weak points and its strong points. With this information, preventative measures can be taken before the turf or ornamental plantings begin to suffer.

Below are the addresses of the companies mentioned. I have found them to be very responsive and reliable.

Heath Company
 Benton Harbor, MI 49022

Science Associates, Inc.
 P.O. Box 230
 Princeton, NJ 08540



**WGCSA SEPTEMBER
 MEETING
 Milwaukee Country Club
 Milwaukee
 September 17**

QUIT-QUI-OC HOSTS EXCELLENT MEETING

We couldn't have ordered a more beautiful summer day than the one we were given for our June meeting at Quit-Qui-Oc in Elkhart Lake. Paul Muller had the golf course in beautiful condition and WGCSA members had the opportunity to play around several new water hazards, compliments of heavy weekend rains. Tom Wiese, Golf Pro and Manager of Quit-Qui-Oc had some fun events for the golf participants. The winners were as follows:

Closest to the Pin — #34	Dick Evenson
Longest Drive — #8	John Krutilla
Closest to the Pin — #12	Roy Zehren
Longest Putt — #18	Steve Blendell

Best 2 of 4 Man Best Ball Event

1st	124 — 16 Under	Al Vrana	
		Chad Ball	
		Jim Belfield	
		Steve Blendell	
2nd	125 — 15 Under	Gary Monfre	
		Dewey Laak	
		Mike Lees	
		Ron Grunewald	
3rd	126 — 14 Under	Rod Johnson	Roger Bell
		Paul Muller	Pat Norton

The speaker for the meeting was Dr. David Roberts. Dave, a Plant Pathologist from Michigan State University, updated WGCSA members on the bacterial wilt problem. He was a grad student under Dr. Joe Vargas and his Ph.D. thesis was a study of bacterial wilt on Toronto C-15 Bentgrass — a very thorough and definitive study of the problem. The bottom line of Dr. Robert's remarks is that the problem is potentially serious and devastating for the turf industry and it is not receiving the proper attention nor concern it should be from research or research funding. We all have an obligation to encourage, even insist, on monies from appropriate funding groups to further the research needed for bacterial diseases.

Dr. Roberts was treated to some real Wisconsin hospitality during his two day visit to the Badger State. Jerry Kershasky met him at Mitchell Field and had arrangements made for a tour of County Stadium and of the Milorganite manufacturing facility at Jones Island. After the meeting, they returned to Milwaukee where Dave spent the night. On Tuesday, he was given a tour of Milwaukee Country Club by Dan Quast before returning to East Lansing. We like to think another one of the highlights of his trip here was a donation of \$400 from WGCSA members for his research program.

All in all, it was another great meeting.