

Director's Column

by A. T. Fierst, Oak Park C.C.

The golf season is in full swing for both the player and the golf course superintendent. Both groups have weathered many extremes — too much heat, rain, play, disease, wilt, pressure, and not enough time, money, material, manpower, and understanding. The list could go on ad nauseum. What we all seem to enjoy is the opportunity to gather and share ideas, problems, and solutions. We are given the opportunity to gather by the good graces of host superintendents and their very tolerant clubs. It's not easy to organize a meeting of any size, let alone the size and scope of a Midwest Association meeting.

Asking a facility to either make room for a hundred plus players or open up on a day off for an outside outing is very difficult. But asking is easy — no where near as difficult as actually hosting an outing such as a Midwest event. The details, decisions, and phone calls are made with the goal of an enjoyable opportunity to share the aforementioned company of superintendents.

The superintendents going to the trouble and the worry that hosting a meeting can bring really deserve your thanks — they all have done a great job. It would be nice, however, if it were not such a difficult task to get volunteers to host a gathering. Going through the directory and determining potential locations can be very tedious and waiting for volunteers usually becomes hopeless. And the numerous "false starts" of maybes and "I'd like to possibly think abouts" make one feel like he's chasing the Holy Grail.

Be sure and individually express gratitude to the gracious hosts of our events, each and every one of them deserves all the accolades coming to them.

Since we are touching on volunteers, it soon becomes time for nominations and elections to the Midwest Board. Roger Stewart is chairing the Nominating Committee and would like to hear from you. If you desire to serve on the board or perhaps have someone in mind to recommend, please contact him or any Midwest Assn. board member. It can't hurt to volunteer your thoughts or ambitions and the Association has thrived for a number of years because of ambitious people on the Board. The Association needs active, progressive members to serve in leadership roles and to direct the policies of our Association in the coming years. Remember — if in doubt, volunteer! Ultimately you'll help yourself and your professional associations by showing the willingness to be one of those involved.

"Reward"

The Light at the end of the Tunnel,
Shows Autumn is on It's way.
After a long hot Summer,
Seems natural to look forward to that Day.
The test of Summer's stress is passing,
The Dog Days will have ceased.
The price of Summer's pleasantries,
Are sometimes high to say the least.
Rewards are great when Autumn comes,
Relax and reap Your share.
It's gratifying surviving Summer's stress,
To breathe in Autumn's Air.

Kenneth R. Zanzig

Golf Course Aerification

by Robert N. Carrow, Associate Professor
Agronomy Department, University of Georgia

Turfgrass *cultivation* refers to the working of the soil without destruction of the turfgrass sod. The term *aerification* has the same meaning as cultivation and is used to denote any type of cultivation. The term *aerifier* was the original patent name for a coring device. Several different methods of turfgrass cultivations are available, each with unique advantages and disadvantages — coring, shattercoring, grooving, slicing, spiking, forking, and subaerification.

Coring

Coring is a method of turf cultivation in which soil cores are removed by hollow tines, screw devices, or spoons. The soil cores may be dragmatted back into the turf as a topdressing or collected and removed. Core diameters are from ¼-¾ inches, depth of coring is 3-10 inches, and spacings are from 2-6 inches. Units may be power driven or tractor drawn.

Timing for coring depends on the situation; (a) Cool-season grasses — early to mid-spring and late summer to mid-fall. Sometimes late fall for football fields. (b) Warm-season grasses — mid-spring to mid-summer.

On severely compacted areas coring may be necessary at other times than the above recommended dates. For example, warm-season grass tees may need to be cored in the fall.

The soil should be moist when coring. A light topdressing following coring of a close cut turf may be desirable.

Shatter-Coring

Shatter-core cultivation uses standard core aeration equipment but solid cores are used instead of hollow cores. The objective is to "shatter" the surface zone, which is best done when the soil is somewhat dry. This is a new procedure and very limited data exists. A few comments relative to this procedure are:

- It works best on soils high in clay and silt.
- Only the surface zone has appreciable shattering. Pushing the soil cores into the soil is very likely to create a "plow pan" effect after several operations — where a compact zone occurs several inches below the soil surface. Thus, the "net" benefit (or disadvantage) of using shatter-coring may require some time to judge.
- Since little soil is brought up and incorporated into the turf, this method would not be expected to control thatch.

Grooving

Grooving is a cultivation method where vertical, rotating blades cut continuous slits through the turf and into the soil; with soil, thatch, and green plant material being displaced. The vertical *blades are power driven*.

A verticutter or dethatcher with the blades set down to cut into the soil is a small grooving machine. Large tractor drawn models are available. The Rogers/Jac Seeder acts as a groover when the front blades are power driven. Thus, models are available from ½ inch depth — 1 inch spacing to units with 5 inch depth — 2 inch spacings. Since the blades are power driven, these units dethatch while cultivating. They are often used in renovation of an existing turf.

Timing is similar to coring. Since both cultivation methods cause some injury to the turf and leaf openings, at least 2-4 weeks of good growing weather should follow grooving. The soil should be moderately dry for most effective grooving.

(cont'd. page 4)