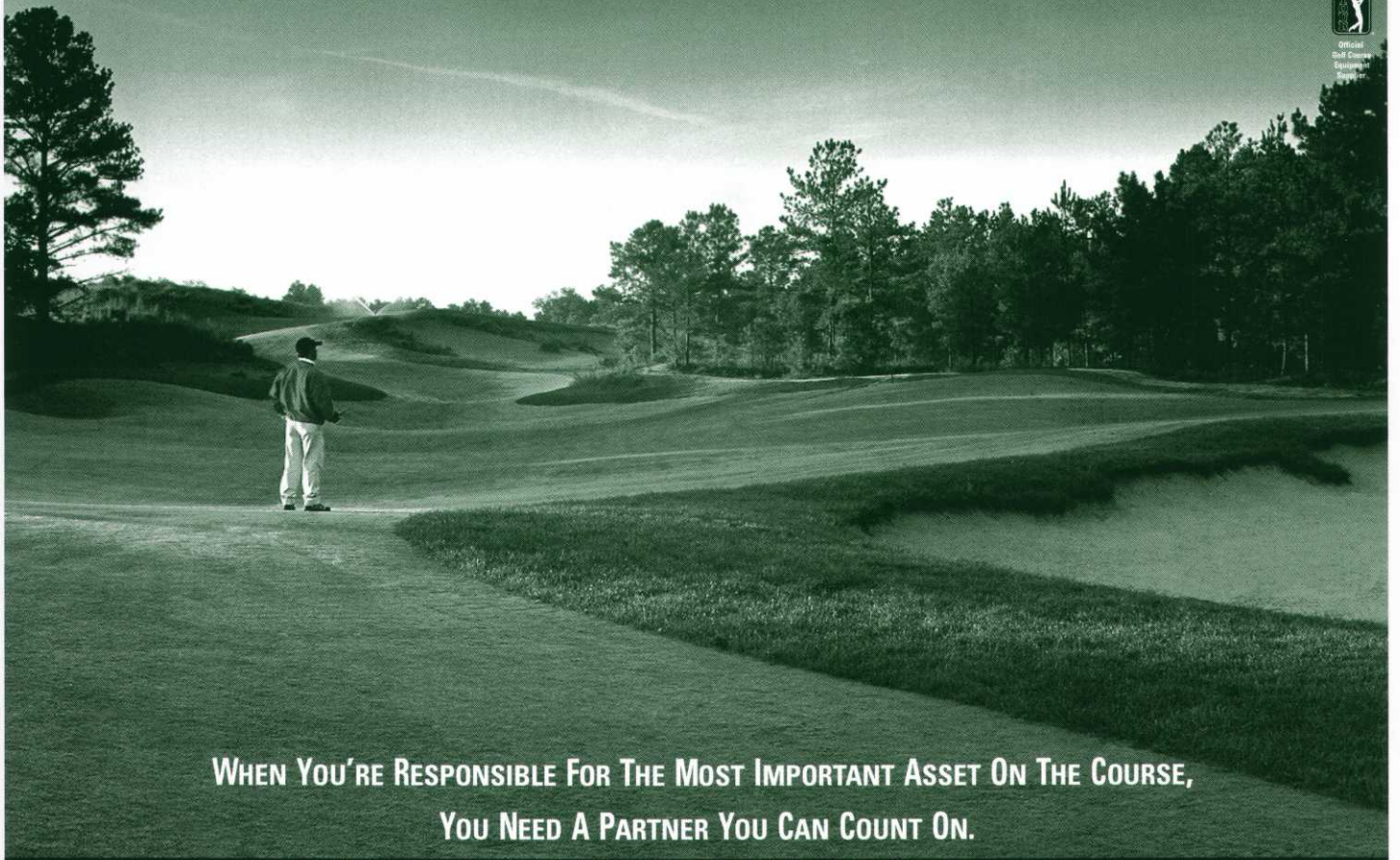


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HOLE NOTES

Official Publication
of the MGCSA

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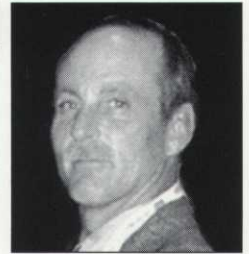
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PRESIDENT'S MESSAGE

Where Did Summer Go?

By Robert Panuska



Did I miss something, where did summer go? I was sure that yesterday was June 1st and we were looking ahead at the busy tournament schedule and trying to figure out our maintenance regime around the play. Here we are, in the middle of August and somehow we have once again conquered the challenges that the weather, the game and the players have put before us. We now begin to look ahead to fall when some projects may take shape, our staff dwindles back to pre season levels and the cool nights provide a time of recovery for both our turf and ourselves.

Perfect weather and a great crowd for the annual University of Minnesota TROE Center Field Day. Dr. Brian Horgan and Dr. Eric Watkins along with the entire "team" of researchers and educators did another outstanding job of organizing and presenting this year's field day. There were 9 "stops" along the tour at the TROE center that ranged from NTEP trials to N loss from putting greens during grow-in to native grass options for no-mow areas. The research projects continue to expand and take shape and data is being collected. I could not help but wonder if the data that will be gathered over the term of a project such as the run-off study will be able to beat the legislation that restricts how we manage our turf areas. One sure bet is that it is a race to the capital.

Is the MGCSA serving your needs? The Board of Directors has worked hard to determine the needs of the membership of our association and then find ways to meet those needs. Having said that, I will also tell you that we generally do not get the input needed to fully know what those needs might be. It troubles me when I hear comments, usually second hand, that the board is not responsive to the needs of the membership. The board members that serve your association are very willing to listen to member ideas and concerns but we need to hear from you first-hand. Please do me a favor and call me if you have questions, ideas or concerns. Better yet, give Rick Fredericksen a call and offer to run for a position on the Board. Help us to help our profession grow and prosper.

Water cooler issues are making a wave in Minnesota, as you are all aware. We will continue to monitor this issue and do our best to keep you informed. Bottom line with this issue is very simple, we ALL want to provide safe drinking water to our patrons and we need to be open to making changes to our procedures if needed to insure safety. I would suggest that you contact your local county health department and be proactive with this issue and INFORM your club leadership of the situation ASAP.

The MGCSA Fall Mixer at the Crossings in Montevideo is free to regular members of the MGCSA. A charge of \$20 for Affiliate members to help out with prizes. The fund raising efforts from our Industrial Relations Committee through sponsorship and the BASF Tournament are earmarked for Research and Scholarships with a small portion going towards the MGCSA Spring and Fall mixers.

Thanks for taking the time to read Hole Notes. This is YOUR publication and I know Jack would greatly appreciate your input, articles and pictures. Consider putting pen to paper or now-a-days fingers to keyboard and crank out your thoughts and ideas.

-- Rob

HOLE NOTES (ISSN 108-27994) is published monthly except bi-monthly December/January, February/March for \$2 an issue or \$20 per year by the Minnesota Golf Course Superintendents' Association, 11900 Wayzata Blvd., Suite 130, Minnetonka, MN 55305. Scott Turtinen, publisher. Periodicals postage paid at Wayzata, MN. POSTMASTER: Send address changes to HOLE NOTES, P.O. BOX 617, WAYZATA, MN 55391.



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How Turfgrass Aids in Stormwater Management and Eliminates Need for Stormwater Ponds

By Mike Kelly, Glenn Rehbein Companies

CumminsNPower, located in White Bear Lake, has tried a unique system for storm water management using a system that should be familiar to you - "perched water system."

Glenn Rehbein Companies, an MGCSA affiliate member, has worked for a number of years on stormwater issues using turf and other porous materials.

By using the right sand, additives and growing material, the system retains water when it is "at field saturation." The system drains approximately 10-20 inches per hour.

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1. Grass cleans the water.
2. Grass cools the water like an evaporative cooler in a greenhouse or in the southern desert area.
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Lawn and landscaping used for infiltrate and filter stormwater runoff from adjacent hard surfaces.



Before and after installation of the Netlon Advanced Turf rootzone. Profile consists of the right rock, sand, and amendments (peat and mesh) to provide maximum infiltration and stability.

capacity).

5. Grass reduces the noise pollution in urban areas.

This is one of the solutions to stormwater management that we can do that does not involve a pond or that can reduce the size of a pond. This means fewer geese - the nuisance of our courses.

If you are interested in a stormwater management project visit CumminsNPower in White Bear Lake and see how effective this system is.





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And Eliminates Need for Stormwater Ponds - *Mike Kelly*
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UPCOMING EVENTS

Monday, September 13
MGCSA CHAMPIONSHIP
Edina Country Club
Edina, Minn.
Host Superintendent: Mike Kelly

Monday, October 11
FALL MIXER
The Crossings at Montevideo
Montevideo, Minn.
Host Superintendent: Terry Negen

January 5, 6, 7, 2005
MINNESOTA GREEN EXPO
Minneapolis Convention Center
Minneapolis, Minn.

COVER PHOTO: No. 3 at Somerset Country Club, site of the 2004 Harold Stodola Research Scramble. Photo taken by MGCSA Vice President James Bade.



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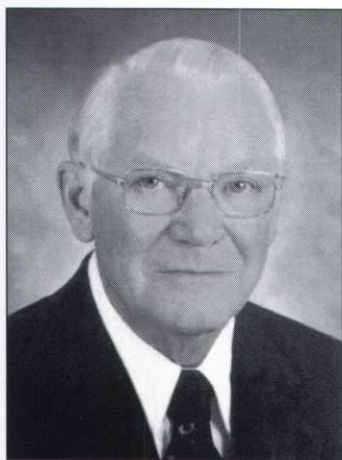
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Joseph S. Garske Legacy Awards Funding Scholarship Grants For Ninth Consecutive Year

Named after the founder of Par Aide Products Co., the Joseph S. Garske Legacy Awards now are in their ninth year of funding two scholarship grants to children and grandchildren of MGCSA Members.

The Par Aide firm, located in Lino Lakes, contributes \$3,000 annually, divided into two grants. This year **Ariana Clunis**, daughter of Kevin Clunis, CGCS, at Tanners Brook, received her second grant of \$1,500. Ariana is a junior student majoring in Business at the University of Wisconsin-Stout.

Awarded her first \$1,500 grant for the 2004-05 school year was **Brittania Panuska**, daughter of Robert Panuska, superintendent at Waseca-Lakeside Golf Club. Brittania will be a freshman student majoring in Biology at Wartburg College in Iowa.



Joseph S. Garske

The late Mr. Garske, who died at the age of 76 in 1982, started Par Aide in 1954 with plans to make a "good" ball washer. A foundry man and avid golfer, he knew little about the golf business, tried to sell his ideas for design and tooling to two accessory companies, was turned down by both and so began Par Aide Products Company.

The Garske scholarships were started in 1996 by Joseph Garske's son, Steve, who noted that his father "was an orphan with only a sixth grade educa-

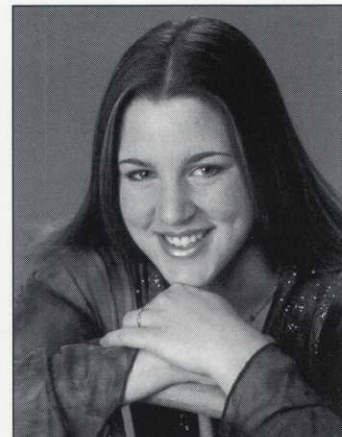
tion and was self-conscious about his lack of formal schooling, but he always wanted to help young people with their education."

"I am pleased to have our company provide these scholarships since for many superintendents, providing a college education for their children requires true sacrifice. I am fortunate to have the opportunity and ability to help," Garske said.

"As a long-time member of the Scholarship Committee some years ago, it always bothered me that we had lots of scholarships available for turf students but nothing for the legacy of current members," Garske said. (*Heeding the comments of a long-time Minnesota Superintendent that our committee was working to put him out of a job.*) While Steve thought this was a bit of paranoid thinking, it did make him realize that supply and demand works in this industry as well, and if nothing else, an oversupply of eager new superintendents could definitely undermine salaries. However, it was the following that motivated Par Aide to initiate a legacy scholarship program: 1) Many Superintendents are underpaid, in my opinion, and they truly work a labor of love. Sending a child to college is likely a real hardship. These same Superintendents who now have college-age children were the very ones who had been so responsible for supporting our company through all the years and had helped us attain our success. We wanted to thank them. 2) Our founder, Joe Garske, did not have any formal education and was always conscious of that fact. He had quietly supported at least one young man in gaining a



Ariana Clunis
Garske Award Recipient



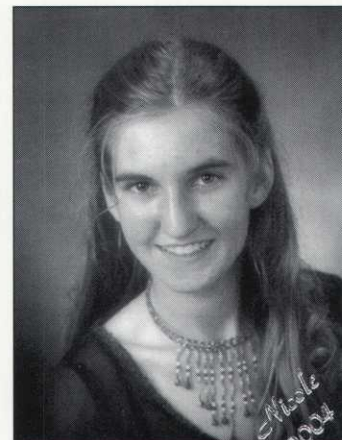
Brittania Panuska
Garske Award Recipient

degree. 3) There were lots of turf student scholarships but few if any Legacy awards.

So it seemed obvious to Steve to initiate a legacy program and it was discussed at numerous scholarship meetings. The problem was how to administer such a program. Suppliers to our industry did not want to be in a position of judging one potential recipient/customer against another, and Superintendent members were not comfortable with reviewing personal information and making judgments on each other either. The idea laid dormant until we discovered the Citizens' Scholarship Foundation of America, now called Scholarship America, an organization that does nothing but review and award scholarships. It's completely impartial and considers all information confidential. The MGCSA quickly agreed to accept the cost of administration and the Joseph S. Garske Legacy was born. The idea was to provide two two-year scholarships to deserving legacy of current MGCSA Members. This program is thought to have been successful by all and has been in existence since 1996, helping numerous sons and daughters of Superintendents pursue their college education.

Par Aide has continued to prosper and as an expansion of its Minnesota program it now also offers a similar program nationwide through the GCSAA, the first scholarship to be awarded for the 2004-05 school year.

Winner of this year's MGCSA Legacy Award is Nicole Lohman, daughter of Guy and Jane Lohman. Guy is the Superintendent at Voyager Village Country Club while Jane is the Assistant. Nicole will be a freshman student majoring in Archaeology at the University of Wisconsin-LaCrosse.



Nicole Lohman
MGCSA Legacy Award Recipient

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Invasive Species in Minnesota

Education is the Key to Suppression and Control

By Paul Diegnau, CGCS
Keller Golf Course

A growing number of invasive species have their sights set on Minnesota and the future may be very troubling. Whether we are discussing plants, insects or pathogens, the lists keep getting longer and Minnesota agencies are under increasing pressure to keep these attackers at bay. We, as stewards of the environment, must actively educate our staff, members and the general public about the challenges we face in the years ahead.

Below is just a partial list of some of the species already inhabiting the state or heading this way:

Pathogens

~ Sudden Oak Death

Animals/Insects

~ Emerald Ash Borer
~ Japanese Beetle
~ Banded elm bark beetle
~ Douglas fir beetle
~ Gypsy Moth
~ Asian Longhorned Beetle
~ Earthworms
~ Bark beetles

Plants

~ Cut-leaved Teasel
~ Mulberry
~ Canada thistle
~ Purple loosestrife
~ Eurasian watermilfoil
~ White/yellow sweet clover
~ Autumn Olive
~ Spotted knapweed
~ Garlic mustard
~ Curly-leaf pondweed
~ Japanese barberry
~ Leafy spurge

Invasive Species Facts:

~ More than 4,500 foreign species have gained a permanent foothold or taken root in the U.S. during the past century.

~ Invasive species contribute to the decline of 46% of the imperiled or endangered species in the U.S.

~ Invasive species are estimated to cost a total of \$137 billion annually in losses to agriculture, forestry, fisheries and the maintenance of open waterways in the United States.

You can help stop the introduction and spread of invasive species. Help protect native plants and animals by following these five easy guidelines (from the MN DNR website):

1. Verify that the plants you are buying for your yard, garden or golf course are not invasive. Replace invasive plants in your garden with non-invasive alternatives. Ask your local nursery staff for help in identifying invasive plants!

2. Clean your boots before you hike in a new area to get rid of hitchhiking weed seeds and pathogens.

3. Don't "pack a pest" when traveling. Fruits and vegetables, plants, insects and animals can carry pests or become invasive themselves.

4. Don't release aquarium fish and plants, live bait or other exotic animals into the wild.

5. Volunteer at your local park, refuge or other wildlife area to help remove invasive species.

Help educate others about the threat:

In the upcoming months, I will be providing information and updates on invasive species in or near our state. This month, let's take a look at Sudden Oak Death (SOD).

SOD was first reported in central California in 1995. The pathogen, *Phytophthora ramorum*, is highly lethal to a variety of oaks, including northern red oak and pin oak. Host plants include *Rhododendron* spp., *Camellia* spp., and *Viburnum* spp. During the late 90's through much of 2003, this disease remained isolated in California and Oregon, primarily due to quarantines imposed by those states. In the mid-to-latter months of 2003, Monrovia Nurseries of California unknowingly shipped infected stock of *Camellia* and *Viburnum* to every state in the U.S. including Puerto Rico. Federal and state agencies became aware of the problem in early 2004. The paper trail they followed revealed that 95% of this stock had been redistributed or sold! As of July 30, 2004, 17 states have tested positive for SOD.

There currently is no cure for SOD. The host plant list for this pathogen is growing on a weekly basis and current research suggests that the genetic material of this pathogen is highly specialized and evolving at a rapid pace.

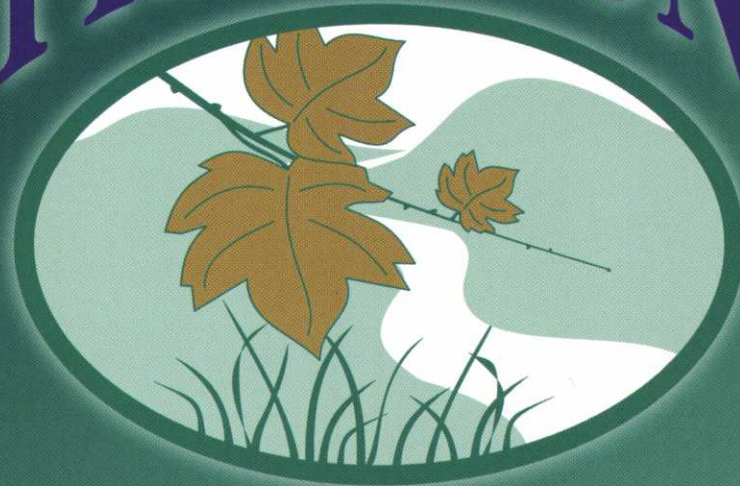
There currently is no cure for SOD. The host plant list for this pathogen is growing on a weekly basis and current research suggests that the genetic material of this pathogen is highly specialized and evolving at a rapid pace. Oregon has been unsuccessful in eradicating the disease from localized forest environments. Clear cutting and burning failed to destroy the pest; subsequent sprouts tested positive for SOD. Regions with mean winter temperatures below freezing are considered low risk, but this assumption is based on growing *P. ramorum* in culture in the laboratory only.

As you can see, the ecological and economic impact from this disease COULD be devastating. State agencies in the Midwest are taking the threat very seriously. This year, due to the urgency of the situation, survey plots have been established in Minnesota, Michigan, Wisconsin, Iowa, Illinois, and Missouri to monitor for this disease.

To stay current on SOD, check out the website: www.suddenoakdeath.org

(Editor's Note: Paul Diegnau, CGCS, is the MGCSA liaison to the Minnesota Invasive Species Advisory Council (MISAC). MISAC is co-chaired by the MN Department of Agriculture and the MN DNR.)

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