

Watering in the 80s—

(Continued from Page 20)

only ourselves to blame if and when the well runs dry!

The Changing Scene

ALL PROGRESS comes in steps. Those who would make advances in any field must first know what has come before and where things stand at present. Though each step taken is important, some prove more pivotal than others. The following is a selection of developments that have been made in the golf course management field in the 60 years since the founding of the USGA Green Section.

Greens

For many years Dollar Spot and Brown Patch were the most feared diseases, especially of bentgrass greens. And there was but one reliable fungicide, corrosive sublimate, which could quite readily cause turf damage itself. To maintain current standards, more than a half dozen other diseases must be managed as well. Today, however, some 20 distinct control materials, plus many combinations, are available. "Pushed-up" greens were the norm, generally using unmodified soil scavenged from the site. After 10 years of intensive research, the Green Section published Specifications for a Method of Putting Green Construction in 1960. These have since been refined. From the first, Green Section efforts were directed to developing improved bentgrasses for greens. By 1924 the Washington and Metropolitan strains had been selected. At the close of World War II, five more Green Section selections were in commercial production, and Dr. Burton Musser's Green Section-supported breeding program was underway at Penn State. This was to produce by the early 1950s the first improved bentgrass that could be grown from seed, Polycross (Penncross) creeping bentgrass. From this same program, now directed by Dr. Joseph Duich, another improved seed-propagated strain was released in 1978, Penneagle.

In 1946 turf research began under Dr. Glenn Burton at the Georgia Coastal Plain Experiment Station in Tifton. This Green Section-supported program developed the bermudagrass hybridization work that has completely changed the nature of southern golf courses - on tees, fairways and roughs as well as greens. The first release

in the early 1950s was Tiflawn (Tifton-57), followed by Tiffine (T419) in 1960, and Tifdwarf in 1965. Work is continuing to develop a fine-textured bermudagrass with greater cold tolerance for the transition zone conditions.

Topdressing in the 1920's was an arduous task, being distributed either by hand with shovels or by manually drawn spreaders. Today's equipment is motorized. With some, 18 greens can be topdressed by a crew of three in a morning.

Materials and rates have changed. At one time the Green Section discouraged topdressing because excessively high rates of silt and clay caused layering problems and drastically reduced water and air infiltration. Today's light and frequent applications of materials have been a great help in producing excellent putting surfaces and healthy turf. Attempts to monitor putting green speeds began as early as 1929 with the Arnott Mechanical Putter, a pendulum mounted on an adjustable tripod. But it was not until the USGA modified a device made by Edward Stimpson, a former Massachusetts Amateur Champion, and undertook to develop it that a reliable way to categorize green speeds existed. With the help of the Stimpmeter, the USGA has been able to help clubs to achieve uniformity in the putting characteristics of all greens.

Tees

In the 1920s teeing grounds were small, often only several hundred square feet in size, and wet sand from tee boxes was mounded up as a perch on which to tee the ball; now we have wooden pegs for tees. We also have much heavier play; consequently today's tees are built much larger. Standards of tee maintenance have drastically changed. In former years tees at many courses were cut by the fairway mowing units. Today most are cut with green-type mowers, and otherwise managed with nearly the same intensity as are putting surfaces. One of the steadily growing practices is the periodic overseeding of divot scars on tees. Many different grasses are used.

Fairways

Fairways used to be established mostly with common bermudagrass (south) or with common Kentucky bluegrass and some fescue. No more. The Tif-series of bermudas now provide the measure of excellence in fairway turf, but they cannot be grown everywhere. The first improved grass for northern fairways was Merion

Kentucky bluegrass. Today nearly 50% of this country's fairways have Merion or one or more of the 50 elite bluegrasses that have since been developed. Along with the inferior grasses in use before 1950, weed problems were tremendous. In the 1920s crabgrass was even considered by some as desirable in fairways. Many cultural manipulators were researched by the Green Section in those early years to maximize the competition ability of the turf in this unending battle with aggressive weeds. These investigations achieved considerable improvements in turf culture, and formed the scientific foundation from which have come today's techniques in areas such as mowing, turf fertilization and pest control. Perhaps of greatest significance was the recognition in 1944 by Acting Green Section Director Dr. Fanny-Fern Davis of the potential for selective broad-leaf weed control in turfgrass of the chemical 2,4-D, being investigated as a growth regulator at the time. Within just a few short years it was no longer necessary for golf courses to fight their worst enemies, dandelions and plantain, with an assortment of chemicals almost as likely to "burn out" the turf as the weeds.

It took a while longer to mount a successful campaign against crabgrass. Even though many courses were doing well with cultural programs, establishing better grasses and pest control to minimize crabgrass germination opportunities, it was not until 1952 that investigation of pre-emergence control materials began in Ohio and at Purdue under Dr. William Daniel, who was only the second man to have earned a Ph.D. degree in turfgrass management. (The first was Dr. James Watson, from Penn State in 1949.)

In the early 1950s, Dr. Fred Grau, then the Green Section Director, once commented that to grow good turf, the insect pests must be controlled and that "with the excellent insecticides available ... there is no excuse for permitting insects to bring crabgrass into otherwise good turf." He was speaking primarily about mole crickets in bermudagrass, chinch bugs in many areas, cutworms, sod webworms and the rapidly spreading Japanese beetles. The insecticides were lead arsenate, DDT and chlordane - none of which is any longer available for use on turfgrass. Today's turf insecticides are predominantly organophosphates, which in general have a higher acute mammalian toxicity, higher cost and shorter effective life span than their predecessors. In the manufacturing boom which followed World War II, machinery

(Continued on Page 22)

Watering in the 80s –

(Continued from Page 21)

specially designed for golf course use began to appear and by 1947 a machine for "tubular time for king" and the "motorized caddie cart" had made the scene. The first was badly needed for improving root-zone aeration and the penetration of water and fertilizer and for relieving the surface compaction that was already a serious problem.

Today most courses have at least one aerifier. Roughs in the early 1920s roughs often grew up to three feet high in the spring and it was common for them to be cleaned of accumulated organic debris through controlled burning every couple of years. In order to ease maintenance and stem the complaints about lost golf balls, roughs began to be cut more often and shorter through World War II. Today most roughs are predominantly an "improved" turf species, usually receive some irrigation, occasionally are fertilized or limed, and are mowed regularly. Undoubtedly the changing nature of roughs has been greatly influenced by developments in various aspects of turf management, most especially in mowing equipment. The first tractor-drawn mowers replaced horse

power for fairway mowing in 1921 but were not, for a time, able to cope with the roughs. Today multiple gang units cut most turf areas. For higher heights of cut and improved maneuverability, heavy duty riding rotary mowers have come into use. Irrigation & Annual Bluegrass (*Poa annua*) subject areas are linked together here because, in reviewing the history of turfgrass management, the development of irrigation is strikingly paralleled by the development of annual bluegrass problems. The earliest fairway irrigation systems date from 1931, long after supplemental watering for greens was utilized. Discussions of annual bluegrass problems then begin to appear some 10 years later. In 1946, O. J. Noer is quoted as saying, "Lessons learned during the war indicate that fairway watering in the future will be less frequent to avoid excessive encouragement of clover and *Poa annua*." In 1948, Fred Grau observed, "It is obvious that the demands of golfers to have green turf have greatly encouraged *Poa annua* by virtue of the large quantities of water applied to turf. Once a water system is installed, the tendency is to use it to excess. Green Committee Chairmen have been known to say, 'Why do we have this \$30,000 water system if we don't use it?' This is the first step to a *Poa annua* turf

" The first Ph.D. program in turf management involved a study of irrigation and compaction. In discussing Dr. Watson's thesis results, Professor Musser in 1950 summarized, "We cannot escape the task of re-examining our watering programs in the light of the capacity of our soil and the rate at which it can take the water we apply. At least we will recognize that good watering practice must be based on something more than the capacity of our system and the size of the sprinkler heads."

Today irrigation systems are considerably more sophisticated and may easily cost 10 times more, but the more things change, the more they remain the same. The anonymous conclusion to a May 1946 treatment of this subject in the Green Section's Timely Turf Topics is probably still accurate: "There is no simple, direct answer at present to the problem as a whole." As Professor Lawrence Dickinson, of the University of Massachusetts, is reputed to have said many years ago, "When we do learn how to control *Poa annua*, we will have to learn how to grow grass." The Green Section has been helping people to do just this for 60 years and looks forward to continuing to play a vital role in the future.

Reinders Inc. Continues to Grow, Distributor Adds Sales Representatives

Reinders, Inc. is pleased to announce that four new sales representatives have joined the company to help serve the Minnesota market.

Dale Parske is the new Western Region Sales Manager. He brings more than 35 years of industry experience in sales and golf course management. Dale resides in Lakeville and can be reached at 952-250-8742.

Jeff Schmidt is a Territory Manager responsible for sales and product support for golf customers in the west metro and outlying areas of Minneapolis. Jeff has 18 years of industry experience, including 6 years as an assistant golf course superintendent. Jeff resides in Eden Prairie and can be reached at 952-237-0160.

Scott Gilbertson is a Territory Manager responsible for turf and aquatic sales and product support for customers in Minnesota and western Wisconsin. Scott has 19 years of industry experience, including 5 years as a golf course superintendent. Scott resides in Holmen, Wis. and can be reached at 608-790-7667.

Bill Gauwitz is a Territory Manager responsible for sales and product support for golf customers in east central and southeast Minnesota as well as west central Wisconsin. He has been a certified golf course superintendent for 20 years and a member of the GCSAA for the past 32 years. Bill can be reached at 507-269-0230.

Reinders is a full service distributor of products to the commercial green industry.

MGCSA Membership Report

NEW MEMBERS

Brandon Gauster
Class A - GCSAA (pending)
Oak Marsh Golf Course
Oakdale, MN
W: 651-730-8886

Joe Davelaar
Class SM - GCSAA
Luverne Country Club
Luverne, MN
W: 507-283-4383

Darin Luebben
Class C - GCSAA
The Lafayette Club
Minnetonka Beach, MN
W: 952-471-0170

Michael Copley
Class C - GCSAA (pending)
Oak Marsh Golf Course
Oakdale, MN
W: 651-730-8886

James Wahl
Affiliate
Principal Financial Group
Minnetonka, MN
W: 952-277-4333

- Respectfully submitted by *Brian Brown*
MGCSA Membership Chair

CLASSIFIED ADS

WANTED

Greens Groomer that fits John Deere 220A walking greens mower. Also wanted: Used 1/2 hrs 115 volt Otterbine fountain.
Contact: Mike Burke
Heart of the Valley Golf Club
218.784.8330

WANTED

Jacobsen SV 2322 (gas) part # 1000297 governor board #DYN1 10870. Part is not available from Jacobsen anymore.
Contact: Jim Temple
Crystal Lake Golf Club
952.953.3656

FOR SALE

Thatch-Away Supra System slicer cassettes.
Set of three. Barely used. \$2200 O.B.O
1000 gal heavy duty liquids container. 2 available. Make offer.
John Deere 4710 Tractor rim and tires 17-5L-24 (back) and 10-16.5NHS (front). Ag tread. Great condition. Make offer.
Contact: Eric Counselman
Somerville Golf Club
507-775-3743

FOR SALE

GA 30 Ryan Aerifier (1990) - \$2000
Ryan walker Aerifier (1984) - \$800
Jacobsen GK IV Triplex (Diesel) (1989) - \$1,000
Toro Fairway Mower
Reelmaster 5300-D (1999) - \$4,000
Jacobsen Rotary Turfcut (1999) - \$4,000
Contact: Tim O'Driscoll
Rochester Golf & Country Club
507.536.4487

WANTED

Used Toro Irrigation Heads.
Electric Valve in Head preferred.
Both 1" and 1 1/2" bodies needed.
Contact: Jeff Normandt
Maple Grove CC.
608.786.1508
507.459.7730

FOR SALE

1984 Jac F-10 used for Fwys
Reels and Bed knives ready for use.
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Asking \$1,100
Contact: Sean Mc Donagh
Roseville Cedarholm GC
651.792.7156

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1995 Clubcar Carryall II - \$2,500 obo (ebay item # 140231117509)
Contact: Guy W. Leach
Spring Valley Golf Course
715.928.0405

FOR SALE

2005 Club Car Cafe Express / Carryall II Beverage Cart. NEW but Used with ONLY 12 Hours on this Unit! We bought this cart new and then the intended program changed and we no longer needed this cart. Why pay

\$15,000 for a new one at the dealer when this one is going for only \$12,000 This cart is showroom new / never been used. Hours on it are just from moving it to and from storage area.
Contact: Tom Fischer, CGCS
Edinburgh USA, Brooklyn Park
763.315.8575

FOR SALE

01-1995 Cushman UTV-MAX Elect. 4 seater. VGC. Elect.problems. \$/offer
02-1986 Little Wonder Blower. 8hp B&S, engine weak. \$/offer
03-1988 Toro Blower/Vac 5hp B&S. engine weak. \$/offer
04-1986 Toro GM4 Walk Greensmowers. (Qty 6) All complete/for parts. \$/offer
05-19?? Ryan Spikeaire. 3hp B&S. Looks complete/for parts. \$/offer
06-19?? Ryan Ren-O-Thin. 3hp? B&S. Looks complete/for parts. \$/offer
07-1985 Toro 21" commercial walk rotary. Complete/for parts. \$/offer.
08-1987 Toro 21" self-propelled walk rotary. Complete/for parts. \$/offer.
09-1991 Toro 21" self-propelled walk rotary. Complete/for parts. \$/offer.
10-1984 Trailer. 4x7 Home built. Fair shape. Not for highway use. \$/offer.
11-1985 Trailer. 6x10 Home built. Frame rusted through. \$/offer.
12-1991 Trailer. 4x4 Home built for walk mower hauling. Bent axle. \$/offer.
13-Tire & rim for Toro GM228. Brand New, 23x8.50-12 (Qty 2) \$60 Ea./offer.
14-Tire & rim for 1986 Toro GM52. Used, 20x8.00-10, \$/offer.
15-Cushman front tire & rim. Used, 8.00-6, \$/offer.
16-Cushman front tire. New, 8.00-6 (Qty 5). \$20ea./offer.
17-Cushman Rear tire & rim. Used, 18x9.50-8, \$/offer.
18-Jacobsen HR5111 tire & rim. Used, 26x12.00-12, \$/offer
19-Baskets for Toro RM5300. #104-8219, Brand New, (Qty 5) \$250/offer.
20-1987 Toro Greens Aerator. Runs Ok. Coring head needs work. \$250/offer.
Contact: Tom Fischer, CGCS
Edinburgh USA, Brooklyn Park
763.315.8575

FOR SALE

Vermeer 44 in. tree spade - \$10,000
7 ft. vetidrain - \$9,000
Toro Fwy topdresser - \$3,200
Toro Spikers (new) - \$1,000
Toro Light wgt. fwy reel - \$650
Contact: Scott Wersal
Ridges at Sand Creek
952.492.2644 Ext. 24

WANTED

Ransomes 350D for parts
Contact: Cecil Auditorff
Lake Wissota Golf
715-382-4959

FOR SALE

2000 John Deere 2653 triplex
900 hrs, good condition - \$1,000
Contact: Matt Rostal
Interlachen Country Club

952-924-7420

WANTED

Ransomes 350 fairway mower.
Any condition is fine.
Contact: Gary Gill
Rolling Oaks Golf Course
715-637-0128

FOR SALE

4 Hunter G800 G70 fully top serviceable 1-1/2" ACME thread sprinkler heads. They are all brand new and have never been installed. \$50 each.
Contact: Jeramie Gossman
Southview Country Club
651-451-1666

FOR SALE

1989 Gandy Sweep Master w/ Hydraulic lift, very little use: \$700
Contact: Ben Just
Midland Hills Country Club
651-631-1545

FOR SALE

6" Muesco pressure reducing valve. \$200
Contact: Lynn Richert
Angushire Golf Course
320-252-9208

FOR SALE


5-1998 Toro fairway cutting units (8 blades) Mod. 03509 in excellent shape, used as spares.
Fits Toro models 5100 or 5200 Asking \$1,250
5-1998 Toro fairway verticut heads Mod. 03516 in excellent condition
Fits Toro models 5100 or 5200 Asking \$1,250
Contact: Keith Scott
Oak Ridge CC
952-938-6900

FOR SALE

Nema open motor starters.
Size 3 - 240 volt coil.
Size 4 - 120 volt coil.
\$450 each obo.
Contact: Lynn Richert
Angushire golf course
320-252-9208

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Ruhoff, Meyer, Ramler and Notch Win 2008 Scholarship Scramble at Somerset Country Club

Host Superintendent James Bade welcomed the Minnesota Golf Course Superintendents' Association to Somerset Country Club on June 23. Sunny skies greeted the 119 players. James and his staff presented the course in pristine condition.

The team of Jason Ruhoff, Jeff Meyer, both of Koronis Hills, Tom Ramler, Boulder Ridge, and Tom Notch, Bent Creek, won the 2008 MGCSA Scholarship Scramble with a score of 56. The team eagled the Par 5 second hole, their last hole of the day, to capture the Championship.

A scorecard playoff was needed to decide second and third. Three teams finished with a score of 57. Two teams eagled No. 2 to force Team Windsong, consisting of Scottie Hines, CGCS, Bill Thompson, Rick Winship and Craig Hallet into fourth place. Finishing in second place was the Midland Hills team of Ben Just, Grant Blumreich, Mike Paape and Kyle Peterson. The scorecard playoff went five extra holes. The New Richmond squad of Tom Johnson, Chip Norman, Ross Johnson and Scott Cole took third place honors.

The two Long Drive winners were Mike Paape and Jason Swanson, Hidden Greens Golf Club. Rick Winship sank the longest putt of the day. The four closest-to-pin winners were David DeVetter, Mystic Lake; Dale Parske, Reinders; Rick Peterson, White Bear Yacht Club, and Dick



2008 MGCSA SCHOLARSHIP SCRAMBLE WINNERS

From left: Tom Ramler, Jeff Meyer, Jason Ruhoff and Tom Notch. They shot 56 to win by one.

Rieg, Prestwick Golf Club.

Thank you to Somerset general manager Sara Shaughnessy, golf pro Dave DuSchane along with their staffs for help-

ing make this year's MGCSA Scholarship fund raiser a tremendous success.

The MGCSA also thanks the following Affiliate member companies for their financial support in sponsoring the event and other MGCSA events held throughout the year. These companies are: Agrotain International, BASF Corporation, Dow AgroSciences, Duinick Bros, Inc., Green Image, Hartman Companies, Hydrologic, MTI Distributing, Par Aide, Products Co., Plaisted Companies, Principal Financial Group, ProSource One, Syngenta Turf & Ornamental, Tessman Company, Tiziani Golf Car, Versatile Vehicles, Inc. and Yamaha Golf & Utility.

Thanks go out again to Gaby Accad, Versatile Vehicles, Inc. for supplying some of the carts for the event along with giving some Women's U.S. Open tickets to some of the winners. Jim Wahl, Principal Financial, produced four nice framed pictures of the second green at Somerset Country Club for the championship team.

(Results on Page 25)



STANDING ON THE HIGHEST POINT OF RAMSEY COUNTY are Matt Schmid, Superior Turf Services, Lee Mahnke, Greystone GC, and Jeff Girard, Stoneridge GC.

MGCSA Scholarship Scramble Results

Somerset Country Club, Mendota Heights

June 23, 2008

Jason Ruhoff, Jeff Meyer, Tom Ramler, Tom Notch.....	56
Ben Just, Grant Blumrieck, Mike Paape, Kyle Peterson.....	57
Tom Johnson, Chip Norman, Ross Johnson, Scott Cole.....	57
Scottie Hines, CGCS, Bill Thompson, Rick Winship, Craig Hallet.....	57
Dave Kasmierczak, Jamie Bezanson, Jakob Kosac, Dick Rieg.....	58
Tom Kasner, Terry Simon, Mike Kasner, Scott Milstroh.....	58
Barry Provo, Tim Kuebelbeck, Joe Green, David Newinski.....	59
James Bade, Josh Olson, Ben Walker, Jose Rocha.....	60
Bruce Leivermann, Wes Stoneback, Scott Thayer, Jeff Schmidt.....	60
John Steiner, CGCS, Kevin Anderson, Tim Olsen, Jamie Olson.....	60
Mike Knodel, Kyle Schaufler, Dustin Martin, Dale Schwecke.....	61
Dan Brown, Mike Hilliard, Scott Melling, Ryan Popp.....	61
Marlin Murphy, Ty Tollefson, Kevin Milbrandt, Jordan Weigelt.....	61
Jim Johnson, CGCS, Dave Johnson, Dan Stang, Tom Wodash.....	61
Wally Freier, Doug Daniel, Jim Temple, Geoff Jordan.....	61
Jim Kassera, Brent Doerhoefer, Tyler Olson, Larry Gorman.....	61
Walt Braunig, Paul Hanson, Greg Lentch, Tim Dickey	61
Brad Marty, Rick Peterson, Dan Pakko, Pat Battaglia.....	61
Matt Schmid, Jeff Girard, Lee Mahnke, Scott Turtinen	62
Mike Brower, Troy Lang, Kyle Stern, Steve Gilles.....	63
Jerry Webb, CGCS, Bob Frank, Mike Redmond, Cary Femrite.....	63
Jason Swanson, Tom Mundy, Mike Aponas, Andrew Beske.....	64
David Oberle, Charlie Miller, Dennis Salwei, Chad Belland.....	64
Jeff Whitehurst, Kevin Huseuth, Gaby Accad.....	65
Tom Proshek, Dale Parske, John Meyer, Paul Eckholm, CGCS.....	65
Paul Diegnau, CGCS, Brett Wenzel, Brian Horgan, Kevin Norby.....	65
Ted Schirck, Tom Bjornberg, Rick Traver, CGCS, Brad Zimmerman.....	66
Jim O'Neill, Pete Nolan, Andy Keyes, Dave DeVetter	66
Ed Thomas, Matt Stephens, Bob Kautz, Robbie Holmes.....	67
Chad Snuggerud, Neil Vanwinkle, Joe Nilan, Larry Powers.....	71



Andrew Beske
2008 MGCSA Scholarship Award Recipient



DEFENDING CHAMPION
David L. Johnson

Monday, September 8

MGCSA CHAMPIONSHIP

The Minikahda Club, Minneapolis

Host Superintendent: Jeff Johnson

ENTRY FORMS AVAILABLE AT WWW.MGCSA.ORG

PEER-TO-PEER: BETTER TURF THROUGH NETWORKING

MGCSA Superintendents were asked:

Are you changing your maintenance practices to account for the rise in fuel costs? More PGRs? Longer rough?

Yes, our maintenance practices have changed dramatically. I fish more than ever now and have every weekend off! Two big thumbs up on this season already!

- Justin Gustafson
Ely Golf Club, Ely

At Enger Park Golf Course in Duluth, the only maintenance practice I am changing is adding some no-mow areas to reduce rough areas. Also looking at possibly purchasing electric maintenance vehicles.

- Geoff Jordan
Enger Park Golf Course, Duluth

The biggest change that Hollydale has seen is few part-time help and my assistant Ryan and I on mowers more often. We do all the maintenance on the equipment on weekends, which makes for a long week. Between Ryan and I, we work about 150 hours a week, compared to 100 hours a week last year. I sure wish we were paid by the hour.

- Casey Flatten
Hollydale Golf Club, Plymouth

At Somerset Country Club we are using Primo and Cutless tee to green. When the products are kicked in we can practically get away with mowing twice a week on tees, approaches and fairways. In regards to rough our members are okay with rough that is brown, therefore, we have to water and mow it less. We mow the rough at 2.5 inches or slightly higher.

I may walkmow a bit more, for example tees and approaches to save on fuel costs. I think PGRs and wetting agents will help decrease the need to mow fairways as much and still have a great lie.

- James Bade
Somerset Country Club, Mendota Heights

Here in Hong Kong we have not altered any maintenance practices to compensate for the cost of fuel. We currently pay approximately \$8/gallon for gasoline. The membership is more concerned with course conditions versus cutting back on mowing due to fuel costs.

- Randy Witt, CGCS
Hong Kong Golf Club, Hong Kong

Golf standards I feel will not change much, but the Maintenance equipment we use will change. Hybrid mowers are now available.

- Dave Schwarz, Ass't Superintendent
Phalen Golf Course, St. Paul

We are not doing anything different this year. We are aware of the situation but it is part of our challenge to keep the course the same but watch the bottom line carefully.

- Kevin Clunis, CGCS
Tanners Brook Golf Course, Forest Lake

I have chosen some areas that are less in play and have been mowing them every 3 weeks at a height of about 4 inches. Total area is about 4 or 5 acres, not much, but every bit counts.

- Jeremiah Niebolte
The Crossings at Montevideo, Montevideo

We haven't done anything differently. Electric carts and mowers will be the way of the future.

- Eric Peters
North Links Golf Course, North Mankato

We have cut out rough fertilization and are watching our spending on other items, but we have not changed any mowing practice.

- Barry Provo
Deer Run Golf Club, Victoria

Our mowing practices have not changed, but we have upped the regulators slightly to shorten the amount of mow time on our fairways. Also, line items in the budget continue to be evaluated weekly to figure out where we can make up for our shortfalls on fuel and fertilizer. Efficiency and productivity are also evaluated weekly to hold labor at or below what was budgeted for each month.

- Jake Schmitz
Olympic Hills GC, Eden Prairie

We will be looking closely at ways to reduce our fuel use when our budget is reviewed in August. I hope to make some cost analysis charts comparing mowing

and PGR use in my roughs. Fertilizing our roughs may also be under scrutiny. Finally, we have learned the hard way that equipment stored outside will quickly be drained of fuel by a slippery thief! The dog removed the catalytic converter from the plow truck last winter! Dang, double dang!

- Jack MacKenzie, CGCS
North Oaks Golf Club, North Oaks

At Chisago Lakes Golf Course we are contour mowing our fairways rather than mowing with diagonal straight lines. This has been about 25% faster and saves us 6 hours per week of labor, fuel and equipment hours. Additionally we have moved our flexstake yardage markers to the middle of the fairways so our rough mower doesn't have to remove the stakes before mowing. Flexstakes are mowed over with fairway units; however, if the stakes are not replaced properly, they will break the barbed bottoms (couple per week). Savings about 3 hours per week.

- Brian Brown
Chisago Lakes Golf Course, Chisago Lakes

We have altered our maintenance plan to a point. Some of the little extras that go into the season are being omitted, but overall, we have a standard we want to stick with. The cost of more PGRs, or the negative effect on speed of play from longer rough, doesn't really outweigh the cost of standard maintenance for our facility. Not to mention the fact that the current climatic situation, and the need to have efforts from winter recovery have been just as much of a need to enhance our practices. Granted, when a budget is set forth in November, it's hard to forecast many of the changes that can occur from situations such as an open winter, or high heat, or a sudden spike in shipping and operating costs. What we are doing is robbing Peter to pay Paul inside our budget, hoping we can stay good throughout this operating season. But with that being said, we don't want to compromise the integrity of our facility, or our playing conditions.

- Kyle Fick
Bully Pulpit GC, Medora, ND



The Savory Super

By **Scottie Hines, CGCS**
Windsong Farm Golf Club



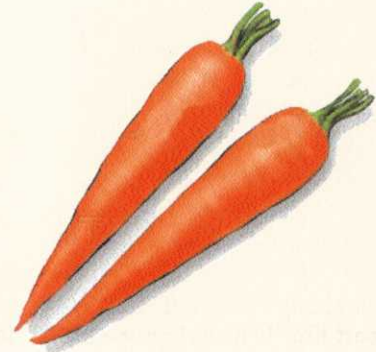
Carrot Marinade

This is a fun and delicious twist on a summer salad. If you have kids who don't like carrots, share some of this delightful concoction with them. A perfect accompaniment for white or dark meat, Carrot Marinade only gets better with time. From the kitchen of my former mother-in-law, it is a one of many good things I gained from our relationship.

- 2 pounds cleaned and chopped carrots, around 1 inch pieces
- 1 cup coarse chopped green peppers
- 1 cup coarse chopped onion
- 1 can of tomato soup concentrate
- 1/2 cup of salad oil
- 1/2 cup of vinegar
- 1/2 cup sugar
- 1 tablespoon Worchester sauce
- 1.5 teaspoon salt
- 1 teaspoon pepper

Cook carrots until barely fork tender, drain and cool. Blend all other ingredients. Add carrots and refrigerate overnight.

Serve and watch at how thrilled your guests are over this amazing summer dish. Enjoy!



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Minnesota Turf & Grounds Foundation

By JACK MACKENZIE, CGCS
MTGF President

Dear MTGF Allied Associations,

Change. Have you heard this word enough during the last year? On the television, over the air waves and in the papers, everyone is talking about change. The Minnesota Turf and Grounds Foundation is no different. Change is in the air.

Over the last 18 months the Board of Directors of the MTGF have been reviewing the MTGF Mission Statement, to promote the green industries in Minnesota through support of research, education and outreach at the University of Minnesota and elsewhere, and the future of the organization. While it was agreed upon that the Mission Statement has been accomplished, your BOD felt that much more can be done by a foundation that represents over 3,000 members and an

8.25 billion dollar industry. To that end at a recent meeting your Board hired a new Executive Director to implement a new direction for the advancement of the MTGF.

"Indeed the future holds change. With change comes the need for the MTGF to stay proactive as our allied associations adapt to new issues."

Kathy Aro has been accepted to fulfill the new goals of the MTGF which include; better communications with and through the allied associations, stronger advocacy at the legislative level, increased revenue to advance our Mission Statement, more educational programs and improved pro-

motion of our multifaceted industry. Kathy's strengths include excellent communication and organization capabilities as well as solid marketing and conference management skills.

Active in business management since 1996, Kathy brings a wealth of knowledge to the MTGF. Her past positions include Senior Account Manager at the Harrington Company, Director of Meetings at Scientific Societies and most recently the Director of Client Services at the University Enterprise Laboratories Inc.

Indeed the future holds change. And with change comes the need for the MTGF to stay proactive as our allied associations adapt to new issues and remain committed to our mission statement. Each year more and more restrictions impact our abilities to accomplish our jobs. Either we are forced to change our ways against our will or can become mechanisms of healthy change and guide our own destinies.

Please join me in welcoming Kathy as our leader in communicating and negotiating the changes our industry will encounter in the next several years.

Sincerely,
Jack MacKenzie, CGCS

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GCSAA Expands TGIF Access To All Member Superintendents

The most comprehensive index of turfgrass information in existence is now available at the touch of a button to all GCSAA Class A and Superintendent Members.

Through an agreement between the Golf Course Superintendents Association of America (GCSAA) and Michigan State University's Turfgrass Information Center, the Turfgrass Information File (TGIF) can be accessed by Superintendent Members along with Class A members, who



were given access in 2007. GCSAA Class A and Superintendent Members can enter the TGIF through the GCSAA Web site at <http://www.gcsaa.org/solutions/TGIF.aspx> or by clicking on Solutions/Tools on the left-hand side of the gcsaa.org homepage and then clicking on Turfgrass Information File (TGIF).

The TGIF is a computerized database available through the Web that covers full scope of the turfgrass industry, including content from journals and magazines, research reports, conference proceedings, Extension bulletins, books and book chapters, technical reports, theses and dissertations, web documents, published Q-and-As, scanned golf course plans, and video interviews. In all the TGIF contains more than 130,000 records and continues to grow daily. Among its holdings is the complete digitized archive of GCSAA's Golf Course Management magazine and its predecessor from 1933 to the present.

Mark Krick, GCSAA certified golf course superintendent at The Homestead Golf Course in Lakewood, Colo., was first introduced to the TGIF as a graduate student at Michigan State and now sees it as an invaluable tool in his work as a superintendent.

"I knew what a great tool it was back in the '90s in school, but now it has tremendous value for me. It's a great reference tool to have all of that information right at your fingertips," Krick said. "For example, I had a problem with Fairy Ring. I knew I would find information about how to fight Fairy Ring. When you can find the answers right in the convenience of your office, you are also saving time and money."

In addition, Krick said the extensiveness of the information in the TGIF makes it a vital tool for any superintendent and facility, no matter the geographical area. "It's worldwide. I would recommend it to any superintendent to use this great GCSAA membership benefit," Krick said. Subscriptions to the TGIF for individuals usually cost \$100 a year.

For those GCSAA members who are not familiar with the TGIF, the Turfgrass Information Center is developing a series of guides and tutorials to get the most out of the TGIF. The first of these, "Getting Started with TGIF," is now available at http://tic.msu.edu/Getting_Started_TGIF.pdf. This two-page handout provides a quick overview of the basic search, guided search and more.

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In Bounds: Serenity Now!
By JOHN "JACK" MACKENZIE, CGCS
North Oaks Golf Club

Company was coming and I was in charge of grilling shrimp on the "barbi" and getting bait for a bit of fishing from the pontoon as we ate our ice cream bar dessert. Little did I know that entering the corner gas station/convenient store/DVD rental/liquor establishment/bait shop on a mission for one dozen suckers would be like entering into a bee's nest! A surprise with a sting awaited me.

Walking to the back of the store I came upon the clerk, a young man I had had visits with on prior occasions and whom I had always considered a pleasant individual with wit and charm, cleaning the bait wells. Indeed the task was messy and all I could add after my request for bait was a comment about the chore he was doing as being a candidate for the Dirtiest Job television program.

"Well you know what? It really sucks, it isn't in my job description and I am not paid enough to do it with a smile on my face. The manager won't buy the right filters and this job is only a fill-in during the summer as I am normally a teacher to fifth grade students. Nobody else will clean the tanks and if they don't get cleaned the fish die and I have an even worse mess to deal with. This job ... sucks," he said without a smile tossing my helpless minnows into their temporary home. "And another thing, it stinks; my hand will smell like fish crap for the next week. I hate this job."

With nary another comment he sold me the fish. I paid for my purchase, walked away from the situation, smiled a crooked grin and thanked my lucky stars I didn't have that kind of an anger issue. Oh but there have been times.

Once in my early days as superintendent, I had the opportunity to watch a prominent young attorney drive his cart upon a 'tee to green cart-pathed' par three off the trail, right up the middle of the miniature fairway, deposit his guest who proceeded to remove a divot the size I could have rolled up and used as sod, and then continue on directly to the collar of the green where he hopped off his vehicle and played his next shot. Two others in the group, walkers, observed me stopping, pulling the "Keep Carts On Path" signage from alongside the cart path and placing it in a more visible location. Questioned as to what I was doing I replied, "Helping our illiterate friend utilize the proper means of conveyance in the future by placing a physical reminder in front of his path."

"But Jack, you don't have to be able to read to pass the bar exam!" was the response. I retorted with a harsh comment that he would be the first to cry objection if I countered inappropriately in the court room. And then I drove away.

But not too far, I soon paused to reflect upon my actions. What I had done was blow up about a violation of cart etiquette, something I see regularly every day and which typically never

elicits a response, an action I had learned to shrug off. So what really pissed me off about this situation? Well, on the previous tee somebody from my staff had line-trimmed the paint off the bottom of the water cooler post leaving behind a damaged timber and grass clippings and paint chips EVERYWHERE. That is what I was so very, very angry about, but my emotions squirted out as frustration with one of my members.

My 30-day internship in a spin dry program for alcoholics came to my mind as I sorted out my feelings. In class I had learned amongst many other important concepts that anger is often a reflection of guilt, whether readily apparent or subconscious. Contemplating while sitting on my cart I realized my bitter verbiage had little to do with the traffic infraction and more to do with my inability to teach my young staff to be more considerate when line trimming. The evidence of my poor training techniques was obvious on the several denuded posts I saw that day and I was reminded that just because I have been on a course for over 30 years the 'new bees' have not and need a little extra knowledge to do their jobs up to my expectations.

I was guilty of poor management and vented my anger over the unacceptable results by damning a member for driving his cart without thinking. Oh he was thinking, not about the turf or my job or my expectations, but rather about the tee shot he had hit that ended up a fraction of an inch from the edge of the cup.

A stiff breeze would have dunked it for a hole-in-one.

Appreciating my mistake and realizing a correction in my grace had to be made, I turned around and approached the player upon the next tee box. Standing straight, extending my right hand, chin out and with sincerity I apologized for my rude behavior. With a smile he told me it was his mistake. "Jack, I know better than to drive where I did. With a wish and a prayer I had hoped I could have watched my ball drop in the cup for my first

hole-in-one. I apologize to you for my bad cart behavior."

End of story? Not really for the member and I are today better friends for my second reaction, my apology for being such a dope. We had complimented each other's contrition and moved on. Ah yes, the power of forgiveness!

My management style changed to be a little more instructive on the results I was expecting. Also I was re-reminded that evaluating my "real" anger would have limited a potentially very ugly situation. The old rule of counting to ten before blowing up is tried and true for had I done so I would have discovered my actual frustration and vented accordingly.

Anger is defined as a strong feeling of displeasure, wrath, ire, rage, fury or indignation. Just writing and thinking about these energetic synonyms causes some twisting in my stomach and elicits contemplation. Imagine if a person were to direct the energy caused by the emotion of anger to something constructive such as good will, prayer or dare I say love?

Soon I will again be in need of some bait. Perhaps I will get the typically content clerk however I hope I don't get the angry one. In the mean time I will be thankful for the patience I seem to pray for on a daily basis. But should things heat up in my life, I can always clap my hands above my head and scream, "SERENITY NOW!"

"Anger is defined as: a strong feeling of displeasure, wrath, ire, rage, fury or indignation. Just writing and thinking about these energetic synonyms causes some twisting in my stomach and elicits contemplation. Imagine if a person were to direct the energy caused by the emotion of anger to something constructive such as good will, prayer or dare I say love? "