At Par Aide, we’d like to raise a paper cup to you, our valued customer. Because it’s your unyielding dedication to the course that inspires us to keep building the industry’s most innovative products. So from Par Aide, we salute all you do. Cheers.
The Championship
Rochester Golf and Country Club
Rochester, Minnesota
Host Nick Folk
July 21, 2014

FIELD LIMITED TO 120 PLAYERS   GOLF, Box Lunch and Dinner: $100
ENTRY FEE INCLUDES: LUNCH, RANGE BALLS, GOLF, CART, DINNER AND AWARDS

Schedule of events:
11:00 am    Registration, range open
12:00 noon   Shotgun Event
5:00     Reception and awards

Dress Code  for Golf & Post Meal: Must wear collared shirts, slacks or Bermuda length shorts. No denim.
Golf & Dinner: $100 Dinner Only: $35
Casual attire acceptable at dinner

_____Championship Flight - Gross Event
_____2nd Flight - Handicap 20-26
_____1st Flight - Handicap 9-19
_____Callaway Flight (No Handicap)
_____Senior Flight - Age 50+ (Net event)

CHECK APPROPRIATE FLIGHT

Name: __________________________________Handicap: ______
Golf Course / Company: __________________________________

Post Meal(s) Only (Spouses Welcome): $35 ea.

Deadline: July 14, 2014

Total Enclosed:
PAYMENT METHOD:
_____ Check____ Credit Card:____ VISA____MASTERCARD_______DISCOVER

Name exactly how it appears on credit card: ______________________________________________________

Address related to CC:_____________________________________________________________________

Credit Card Number: ______________________________________________________SS Code____Exp_____

Make check payable to:
MGCSA and mail to: MGCSA CHAMPIONSHIP, 10050 204th St. N., Forest Lake, MN  55025
June 2
The Scramble
Fund Raiser Golf Event
Dellwood Country Club
Host Eric Peterson

June 30th
South East Exposure
The Bridges Golf Club
Host Kyle Kleinschmidt

July 21
The Championship
Rochester Golf and Country Club
Host Nick Folk

July 28
Northern Lakes Exposure
The Wilderness at Fortune Bay
Host Vince Dodge CGCS

September 8
Badgerland Exposure
Lake Wissota Golf
Host Kris Woppert

October 13
The Wee One
Brackett’s Crossing Country Club
Host Tom Proscheck

Happy sister, Esme Counselman, gives new brother Cole, born May 20th, a big hug. Congratulations Shannon and Eric Counselman. Fun times ahead!
CONTENTS

Vol. 48, No. 4 May 2014

Feature Articles:

Norma O’Leary, CGCS Takes Home the Bronze  pages 14-21
World Curling Federation

Lock and Load, Buckthorn You’re Dead  pages 24-26
Dr. John Lloyd, Plant Doctors

Issues With Ants  pages 28-32
Dr. Vera Krischik, UMN Extension Entomologist

Monthly Columns:

Presidental Perspective  page 6-7
Roger Stewart, CGCS

In Bounds  pages 10-12
Jack MacKenzie, CGCS

Within the Leather  pages 44-45
Dave Kazmierczak, CGCS

On the Cover:
Lasius neoniger, worker ant by Alex Wild, myrmecos.net, 2004

...Even More Content...

Using Clouds to Predict the Weather  pages 40 - 43
Marci Goodwin

Special Supplement EIQ, What Does It Mean?  pages 46 - 58
Cornell University

Hole Notes (ISSN 108-27994) is digitally published monthly except bimonthly in November/December and January/February by the Minnesota Golf Course Superintendents’ Association, 10050 204th Street North, Forest Lake, MN 55025. Jack MacKenzie CGCS publisher. Please send any address changes, articles for publication, advertising and concerns to jack@mgcsa.org.

Member Driven Research  Pages 34 - 39

Presidential Perspective
Roger Stewart, CGCS

In Bounds
Jack MacKenzie, CGCS

Within the Leather
Dave Kazmierczak, CGCS

Norma O’Leary, CGCS Takes Home the Bronze
World Curling Federation

Lock and Load, Buckthorn You’re Dead
Dr. John Lloyd, Plant Doctors

Issues With Ants
Dr. Vera Krischik, UMN Extension Entomologist

On the Cover:
Lasius neoniger, worker ant by Alex Wild, myrmecos.net, 2004

...Even More Content...

Using Clouds to Predict the Weather
Marci Goodwin

Special Supplement EIQ, What Does It Mean?
Cornell University

Hole Notes (ISSN 108-27994) is digitally published monthly except bimonthly in November/December and January/February by the Minnesota Golf Course Superintendents’ Association, 10050 204th Street North, Forest Lake, MN 55025. Jack MacKenzie CGCS publisher. Please send any address changes, articles for publication, advertising and concerns to jack@mgcsa.org.

Member Driven Research  Pages 34 - 39

On the Cover:
Lasius neoniger, worker ant by Alex Wild, myrmecos.net, 2004

...Even More Content...

Using Clouds to Predict the Weather
Marci Goodwin

Special Supplement EIQ, What Does It Mean?
Cornell University

Hole Notes (ISSN 108-27994) is digitally published monthly except bimonthly in November/December and January/February by the Minnesota Golf Course Superintendents’ Association, 10050 204th Street North, Forest Lake, MN 55025. Jack MacKenzie CGCS publisher. Please send any address changes, articles for publication, advertising and concerns to jack@mgcsa.org.
Someone who has lived in Minnesota all their life told me that last winter was more like a Minnesota winter. So does that mean we are back into the typical Minnesota-type winter cycle? That’s two of those in a row followed by two slow spring warm ups. I wouldn’t mind having a bit longer winter or slow spring start if everyone else was good with it as well. Right now it just seems to make people a little less patient and a little whinier. Glad we are moving on to summer even if it didn’t really happen until almost June.

Speaking of June, I hope everyone who wanted to play in the Scramble got their team together in time for the event. This is a great opportunity to play with some of your members, golfers, friends or colleagues and support MGCSA Scholarships and Turf Research at the U of M.

This year’s event at Dellwood Hills Country Club was the perfect venue for an enjoyable day of golf. Thank you to Dellwood Country Club, the clubhouse staff as well as Eric Peterson and his staff for a great day.

Don’t forget about the Wee One event and another great day to give back and raise money to help our peers across the country facing critical health issues. I can think of no more noble cause than to help fellow superintendents during a crucial time in their lives and the lives of their families. Please register to play in this year’s Wee One at Brackett’s Crossing Country Club. Thank you so very much to the entire Brackett’s Crossing Country Club...
family for their generous support of this event.

Next month is a very busy month here at TPC Twin Cities as the Champions Tour comes to town once again for the 3M Championship. This is the only televised golf event that is held in the Twin Cities on an annual basis. Fortunately, the event has had tremendous support from 3M and has raised over ten million dollars for local charities here in the Twin Cities. We welcome anyone to come out and volunteer to help us during tournament week. Like the tournament, we depend on a staff of volunteers to help us provide the best playing conditions and shine a light on golf course management here in the Twin Cities. The fact that we try to have some fun and provide some great fellowship is just a plus for those who can help us. Hope to see you there!

In August, don’t forget that the U of M Field Day is returning at the TROE Center. The date is August 7th and there will be some interesting things to see there including some of the results of the MGCSA member driven research that was started last year.

I hope you enjoy this month’s issue of Hole Notes. Some great articles including one on ants and their control by Vera Krishek, and an interesting article about the fate of long term nitrogen applications.

Some good reads no doubt, as well as all the latest information on products from our Affiliate members and the companies they represent. Support those that support your association, it’s a good thing to do!

It’s Giddyup time!
Keeping it “Green” with Engineered Soils

Supplier to the Hazeltine National Golf Club renovation project.
Site of the 2016 Ryder Cup.

Thank you for making Plaisted Companies the Midwest’s premier supplier of soil solutions for golf courses and athletic fields:
Divot mixes, aggregates, root-zone construction blends and four gradations of topdressing sands.
Are You A Member Yet?
Throughout the United States only 350 individuals are members of the Wee One Foundation. Please help support a peer in need.

weeone.org

This year, pledge to support the Wee One Foundation through membership, One Percent Program or participation in the Wee One Tournament the fall of 2014.
Alluring eyes watched me closely, two red and puffy combs meant to entice even the most discerning of hens. Step by step, around my campsite, he pursued me stealthily with intimate dreams, mistaking my form for a female spruce grouse. This was one of several unexpected events I encountered upon my five day spring solo trip into the Boundary Waters Canoe Area.

My first day and ten miles in, I also encountered another surprise, one that changed my adventure dramatically. Ice, and lots of it, barred my way for the second leg of a 45-mile journey. After much thought, I had to create a plan “B” if I were to continue my adventure into the wilderness.

Stymied by a frozen sheet on the east shore, I was limited to backtracking my steps and creating a new game plan. This move had to be made rapidly, for I feared a shift in the wind would ice-lock me to my campsite with a horny grouse for the rest of my experience.

Isn’t this truly the way of the turf manager as well as the wilderness adventurer? Even the best-laid plans can be altered quite quickly by weather, staffing challenges and even the notorious “surprise” change of a tee time tournament to a last minute shotgun. But as pliable administrators, you plug away always trying to provide the best playing conditions possible taking into account weather thrusts, economic lunges and scheduling parries.

In my early years as a superintendent, I often became frustrated with all of the unanticipated events that messed up my neat and tidy scheduling. Surely my staff thought I was crazy to torture the NOAA ‘weather radio’ in a bench vice when Thor ravaged the trees on the course. Or my never acted upon threats to flatten all the tires in the cart shed to give the pro shop boys a taste of a real