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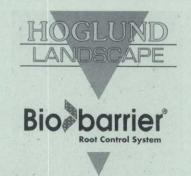


About the Cover

Pick Your Poison!

On the left, MGCSA member Nick Rongstad, Izaty's G & CC, shows how wet it was after 2.8 inches of rain on June 13 compared to White Bear Yacht Club in 1988.









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UPCOMING EVENTS

August 1

Harold Stodola Research Scramble

Brackett's Crossing Country Club, Lakeville Host Superintendent: Tom Proshek

September 26

MGCSA Championship

Midland Hills Country Club, St. Paul Host Superintendent: Scott Austin, CGCS

> October 11 Fall Mixer

Monticello Country Club, Monticello Host Superintendent: Rick Traver, CGCS

PRESIDENT'S MESSAGE

Take Time Away From Your Course To Recharge and Gain a New Perspective

By Robert Panuska

Question of the month: How wet does it have to be to get algae to grow in the ruts on a cart path? This is NOT a pretty picture but it seems to represent this season. Not that we have had a huge amount of rain but it has been constant and relentless with very little sun as you all know. As I am typing this newsletter the sun has decided to shine for more than one day in a row and we actually have players on the course in shorts no less! My personal thoughts on the slow golf business this year are as much if not more weather-related than some downturn in the interest in golf. Let's hope so anyway.

Thanks to our host Superintendent Eric Peterson at Dellwood Hills for hosting the 2005 MGCSA scholarship scramble on June 13. In spite of some, yes you guessed it, RAIN, the event was a great success. If your club would be interested in hosting a monthly meeting please call Matt McKinnon at the Legacy Courses at Cragun's, MGCSA Arrangements Chair. Next year is about set and he is working on 2007 believe it or not! Also if you are interested is serving on the Board or a committee, please contact Rick Fredericksen at Woodhill Country Club and visit with him about the opportunities available.

Set aside Thursday July 28 for the University of Minnesota's annual Turf & Grounds Field Day. This event has grown along with the development of the TROE Center and offers a great opportunity to see what's new in NTEP trials, runoff and leaching studies, fertility studies and plant breeding, just to name a few. This also is a great event to treat your staff to a "day away" from the course and learn something at the same time.

Don't forget about the annual MGCSA Harold Stodola Research Scramble on August 1st at Bracketts Crossing Country Club in Lakeville hosted by Superintendent Tom Proshek.

Do you take time away from your course to recharge and get a "new" perspective on your work? I know we all have 1,001 excuses why we can't get away but I have found it helps to just take a couple of days away and do something fun or totally different than you do at work. I am very fortunate to have a great assistant and staff which allows me to take some time away during the summer. Good luck with the summer season and I hope you can steal a day here and there to "recharge" your batteries.

Until next month, 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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HOLE NOTES

Official Publication of the MGCSA

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phosphate, greensand, potassium sulfate, dakota dry humic acid, molasses

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Water Soluble Nitrogen	2%
Water Insoluble Nitrogen	3%
Available Phosphoric Acid (P2Os)	4%
Soluble Potash (K ₂ O)	5%
Calcium	3%
Sulfur	2%

Application: 10-20 pounds per 1,000 sq. ft. *Available in both Standard and Greens Grade.

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Total Hadogeri (14)	
Water Soluble Nitrogen	5%
Water Insoluble Nitrogen	5%
Available Phosphoric Acid (P2Os)	
Soluble Potash (K ₂ O)	5%
Calcium	3%
Sulfur	
Application: 3-15 pounds per 1 000 sq. ft	



1. **Soil test** - to determine basic nutrient needs such as calcium, potassium, magnesium and phosphorous

*Available in both Standard and Greens Grade.

2. Calcium – if limestone is needed in large quantities, it is best to apply up to 20 lbs of gypsum per 1000 sq. ft. 2 -4 weeks before aerification and then add the required limestone into the aerification holes. This allows for exchange of other nutrients off the soil colloid

 Magnesium - if the soil test shows a need for magnesium, either Pro-Mag or Sul-Po-Mag can be applied at time of aerification, although Sul-Po-Mag is fairly soluble and does not have be applied in aerification holes.

4. **Potassium** – Potassium sulfate is very soluble and is best applied over the top of the turf and not in the aerification holes, but Eco-Lite, a physical amendment and sustainable form of potassium is best applied in the holes at high rates.

5. **Phosphorous** - if phosphorous is called for on the Soil First soil test, two forms are most likely recommended. MAP is a soluble form of phosphorous and should be applied over the top of the turf, but rock phosphate should be applied into the aerification holes.

6. **Organic amendments** – aerification is the best time to apply organic fertilizers because they are designed to feed the soil

7. **Nitrogen** – soluble forms of nitrogen can help heal aerification holes but is best applied over the top of the turf

Aerification: This is the best time to add needed sustainable nutrients and food sources such as rock minerals and carbon (limestone, rock phosphates, organic fertilizers and physical amendments). The soluble nutrients such as nitrogen, gypsum and potassium sulfate can all be added to the soil surface before or after aerification.



The "Hole Truth"

Organic fertilizers are used to feed and build the soil. The best time to add organics is when you have open aerification holes in the ground.

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IT'S ALL ABOUT ME

Prostate Cancer: Treatment Options

There are different types of treatment for patients with prostate cancer.

Part Two in a Two-Part Series

Different types of treatment are available for patients with prostate cancer. Some treatments are standard (the currently used treatment), and some are being tested in clinical trials. Before starting treatment, patients may want to think about taking part in a clinical trial. A treatment clinical trial is a research study meant to help improve current treatments or obtain information on new treatments for patients with cancer. When clinical trials show that a new treatment is better than the standard treatment, the new treatment may become the standard treatment.

Clinical trials are taking place in many parts of the country. Information about ongoing clinical trials is available from the NCI Web site. Choosing the most appropriate cancer treatment is a decision that ideally involves the patient, family and health care team.

Four types of standard treatment are used:

Watchful Waiting

Watchful waiting is closely monitoring a patient's condition without giving any treatment until symptoms appear or change. This is usually used in older men with other medical problems and earlystage disease.

Surgery

Patients in good health who are

IRRIGATION

younger than 70 years old are usually offered surgery as treatment for prostate cancer. The following types of surgery are used:

Pelvic lymphadenectomy: A surgical procedure to remove the lymph nodes in the pelvis. A pathologist views the tissue under a microscope to look for cancer cells. If the lymph nodes contain cancer, the doctor will not remove the prostate and may recommend other treatment.

Radical prostatectomy: A surgical procedure to remove the prostate, surrounding tissue, and nearby lymph nodes. There are 2 types of radical prostatectomy:

Retropubic prostatectomy: A surgical procedure to remove the prostate through an incision (cut) in the abdominal wall. Removal of nearby lymph nodes may be done at the same time.

Perineal prostatectomy: A surgical procedure to remove the prostate through an incision (cut) made in the perineum (area between the scrotum and anus). Removal of nearby lymph nodes may be done at the same time.

Transurethral resection of the prostate (TURP): A surgical procedure to remove tissue from the prostate using a cystoscope (a thin, lighted tube) inserted through the urethra. This procedure is sometimes done to relieve symptoms caused by a tumor before other cancer treatment is given. Transurethral resection of the prostate may also be done in men who cannot have a radical prostatectomy

because of age or illness.

Impotence and leakage of urine from the bladder or stool from the rectum may occur in men treated with surgery. In some cases, doctors can use a technique known as nerve-sparing surgery. This type of surgery may save the nerves that control erection. However, men with large tumors or tumors that are very close to the nerves may not be able to have this surgery.

Radiation Therapy

Radiation therapy is a cancer treatment that uses high-energy x-rays or other types of radiation to kill cancer cells. There are two types of radiation therapy. External radiation therapy uses a machine outside the body to send radiation toward the cancer. Internal radiation therapy uses a radioactive substance sealed in needles, seeds, wires, or catheters that are placed directly into or near the cancer. The way the radiation therapy is given depends on the type and stage of the cancer being treated.

Impotence and urinary problems may occur in men treated with radiation therapy.

Hormone Therapy

Hormone therapy is a cancer treatment that removes hormones or blocks their action and stops cancer cells from growing. Hormones are substances produced by glands in the body and circulated in the bloodstream. The presence of some hormones can cause certain cancers to grow. If tests show that the cancer cells have places where hormones can attach (receptors), drugs, surgery, or radiation therapy are used to reduce the production of hormones or block them from working.

Hormone therapy used in the treatment of prostate cancer may include the following:

Luteinizing hormone-releasing hormone agonists can prevent the testicles from producing testosterone. Examples are leuprolide, goserelin, and buserelin.

(Continued on Page 23)

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MGCSA SURVEY

Aerification Practices Throughout the State

(Editor's Note: The MGCSA conducted a survey via e-mail to members of the association. Thanks to all who responded so promptlu.)

Typically I aerify the greens twice a year, the first being early May with a bayonet tine and topdress with 100% sand topdressing. We will then topdress light every three weeks throughout the season and end with aerification on the 19th of September with 3/4 inch hollow deep tines filling the holes with topdressing. I also would use the bayonet tines throughout the season in problem areas.

- Mike Brual, CGCS Greenhaven Golf Club Anoka

We are a nine hole executive course, open to the public, with USGA built (sand) greens.

We aerify in late August. I like to fertilize the greens a week before aerification to have the grass actively growing at the time of aerification. We pull cores, break them up and drag them in. We blow the debris off and topdress the next day. We

use 1/2 inch tines. The recovery time is approximately a week. We only aerify once a year and the timing is to get the quick recovery. As a player, there is nothing worse than finishing the season on bumpy aerified greens and opening up in the spring with the same.

With the sand greens, once a year appears to be enough. I have maintained push up greens before and found it beneficial to aerify twice a year then.

-Walt Braunig Thompson Oaks Golf Course West St. Paul

I aerify my greens two times a season. The first is in mid-April using a walk behind Gradens(verticut) to a depth of one inch and fill with sand. The recovery time is two to three weeks. The second is in the first two weeks in September using a 5/8 inch hollow tine and fill with sand. The recovery time is 7 to 10 days.

- Jared Finch The Legend and The Quarry Biwabik Spring Aeration with 1/2 inch hollow tines, remove cores and backfill with sand on May 10. Summer aeration is mid-July with 1/4 inch solid tines and lightly top-dressed. Fall aeration is August 20, with 5/8 inch hollow tines and backfilled with sand. No linear aeration. Light topdressing once per month. Recovery is 7-10 days with hollow tine aeration.

- Mark Lindberg Edgewood Municipal Golf Course Fargo, ND

I aerify my greens in the first week of June and the second week of September. Both times I use 1/2" hollow tines 4" in depth. I heavy topdress with topdressing sand immediately and then topdress lightly throughout the season. I usually recover completely in 10 days. I do not linear aerify.

- Justin R. Gustafson Ely Golf Club Ely

(Continued on Page 18)

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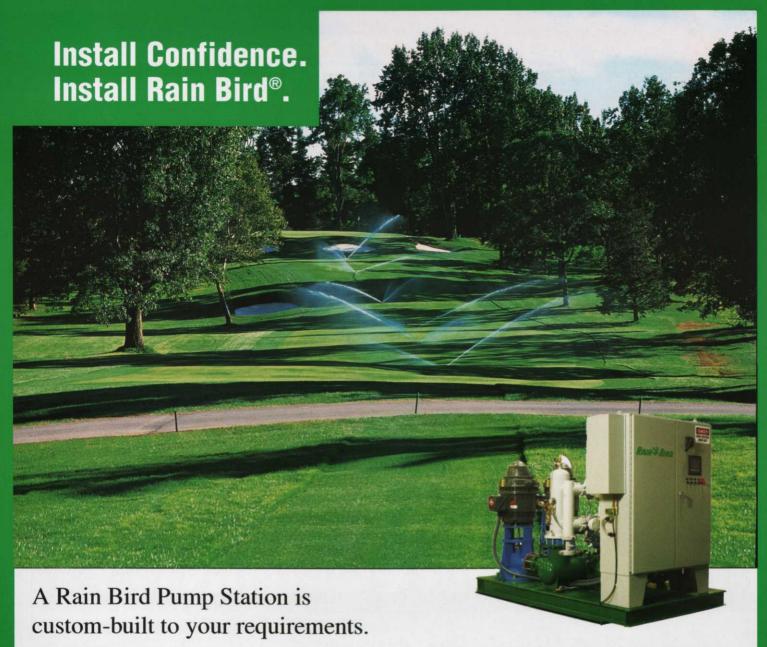
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Know the Code Before You Plan Your Next Project

By DAVID HARCHANKO

Truman Howell Architects & Associates, Inc.

Your maintenance buildings are likely targets for code mandated revisions. The combination of the hazardous materials stored, some recent spectacular fires, and the publication of a new building code have sent a signal that we have noted.

For those of us in the design and construction industry, working within the confines of the Code is a routine part of our daily decisions. Building Codes provide a framework that we use to guide our path to an overall solution.

A good design must provide an answer to all concerns; the functionality, the aesthetics, the budget, the schedule, and of course the Codes. Discovering a Code problem anytime after preliminary design will most certainly have a negative impact on the project's function, appearance, budget, etc.

To make things even more difficult, the Building Code is often interpreted differently by each agency. Some jurisdictions adopt revisions to the Code by adding or deleting certain sections. Local Fire Codes, Zoning Codes and Health Codes can also override the Building Code.

From the comments made at your meeting, you are all aware of how this "system" impacts your mission. But there is some good news on the horizon, we find that many communities have began implementing the 2003 International Building Code (2003 IBC). This Code represents a consolidation of several of the more prevalent Codes and we have witnessed a bit more consistency out there.

Why is that important to you? Because in the past with previous codes, such as the UBC or the SBC, there was more focus on the types of construction. Wood frame vs. concrete panels or fire separation walls were the primary focus. The new Code places an emphasis on the fire sprinkler and alarm systems.

There is a practical reason behind this

shift. As technology has advanced, alarms and automated responses have become quite reliable. The underlying theory is that we should notify and evacuate people, and then let professional fire fighters put out any fires.

By planning each project with the Code in mind, we can consider how to best solve these issues. When possible, we design the structure to minimize the expense of the fire protection systems. Variations in the building's location on the site, the construction materials, the construction type classification, the arrangement of exits, and even the room names can all be utilized to control how the Code will be applied.

Architecture is described as a combination of art and science. Satisfying the Code, the Code Official and the client at the same time definitely moves it toward the "art" category.





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Ruhoff, Meyer, Ramler and Notch Earn Scholarship Scramble Title

A surprisingly dry day greeted golfers on June 13 at the annual MGCSA Scholarship Scramble at Dellwood Hills Golf Club.

Capturing first-place honors was the team of Jason Ruhoff, Koronis Hills GC; Jeff Meyer, Koronis Hills GC; Tom Ramler, Boulder Ridge GC, and Tom Notch, Bent Creek GC. The foursome shot 56 on the par 72 layout to win by a comfortable three strokes.

Two teams tied for second place at 59. Winning the scorecard playoff for the runner up position was the team of Brooks Ellingson of Albion Ridges, who played with a Reinders, Inc. trio of Pat Walton, Mike Redmond and Bob Deem.

Settling for third place honors was the Stillwater CC team of Marlin Murphy, Justin Funk, Adam Larson and Todd Samarzia.

Ben Just, Assistant Superintendent at Midland Hills Golf Club, was another winner at the Scholarship Scramble. Ben won the use of a Club Car Turf 2 vehicle for one year provided by Tiziani Golf Car of Minnesota. Ben also won closest-to-the-



SCHOLARSHIP SCRAMBLE WINNERS

Pictured from the left are Tom Notch, Bent Creek GC; Tom Ramler, Boulder Ridge GC, along with Jason Ruhoff and Jeff Meyer of Koronis Hills GC. They fired a 56 to win by three strokes at the the MGCSA Scholarship Scramble at Dellwood Hills Golf Club on June 13.



THE HOME TEAM

Representing Dellwood Hills Golf Club at the Scholarship Scramble were, from left to right, Assistant Superintendent Nate Uselding, Superintendent Eric Peterson, Jeff Bohler and Pat Anderson.

pin on number 15. Closest-to-the-pin honors also were won by Wes Stoneback, The Wilds GC, Tom Kasner, Albany GC, and Todd Samarzia.

Long drive winners were Phil Poepping, Eagle's Landing GC,



and Marlin Murphy.

Todd Loecke, pictured above, Syngenta Turf & Ornamental, ran a contest on a par 3 which raised money for the Scholarship fund. Syngenta Turf & Ornamental will hold a similar competition for the Harold Stodola Research Scramble at Brackett's Crossing CC on August 1.

(Continued on Page 11)