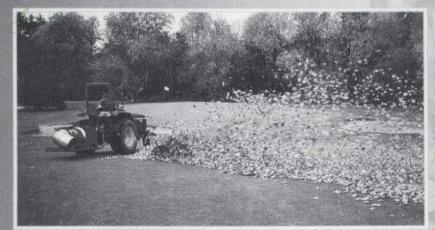
Introducino

# BUFFALO TURBINE'S



Powerful New Generation Debris Blowers



For over 50 years, Buffalo Turbine products have been manufactured with minimal maintenance requirements and years of trouble free service. The unique design and power behind the Models PTOB and KB make clean-up time a breeze.

Model PTOB makes a quick job of blowing leaves



The Axial Flow Blower is
The HEART of the
Models KB and PTOB.
Both Blower Units produce

10,000 CFM @ 175+MPH



CUSHMAN MOTOR (O., INC.

CUSHMAN TURF-CARE EQUIPMENT

For The Best Results

Factory Authorized Dealer Since 1949

2909 E. FRANKLIN AVE., MINNEAPOLIS, MN 55406 • (612) 333-3487 • TOLL FREE: 1-800-759-5343 • FAX: (612) 333-5903

# TUFF VAC



New State-of-the-Art Features Mean Faster, More Efficient, and Less Labor Intensive Debris Removal ...So If You Want To Get It All The First Time, Let Us Show You What We Can Do!



For The Best Results

CUSHMAN MOTOR CO., INC.

CUSHMAN TURF-CARE EQUIPMENT

Factory Authorized Dealer Since 1949

2909 E. FRANKLIN AVE., MINNEAPOLIS, MN 55406 • (612) 333-3487 • TOLL FREE: 1-800-759-5343 • FAX: (612) 333-5903

# Inside This Issue of Hole Notes

# 1 Chris Manor Wins MGCSA Championship

By Scott Turtinen

7 'Dream Team' Building 45 Holes at Cragun's By Ralph Turtinen

13 Nemadji GC Adds 3-Hole, Par 3 Course for Juniors
By Mark Carlson

17 Golf Making Impact On Brainerd Area Economy By Ralph Turtinen

18 Minikahda Staff

19 MGCSA Championship Results from North Links

25 Legacy Scholarship Awards By Scott Turtinen

29 Hole-by-Hole View Of Pebble Creek CC By Cary Femrite

33 Turf's Up and Traffic Stops on the Mall

34 GCSAA Compensation And Benefits Report

# **Departments**

From Your President's Desk By Jim Nicol, CGCS

27 Affiliate News

30 Classified

32 Job

Opening
Opening
Corner

36 Editor's Corner
By Steve Shumansky

# Advertisers

Century Rain Aid																									
Cushman Motor Co																									
Cushman Motor Co																									
Double Eagle Golf Cor	str	uct	io	n															 +0						32
Duininck Bros., Inc												÷								B	a	ck	(	Co	ver
Glenn Rehbein Compa																									
Hartman																			 Z.						.4
Hedberg																									
Herfort-Norby																							į.		28
IMC Vigoro													 *						 •						24
Leitner Company																			 23						. 6
Lesco																									
MTI Distributing Co.		*1.0*.0			e i e c														 *		1		÷		20
MTI Distributing Co.	4114114	4190																							21
MTI Distributing Co.																									37
North Star Turf Suppl	y .																0	00							. 8
North Star Turf Suppl	y .																								12
North Star Turf Suppl	у.																								26
Paskvan Consulting							 					÷													23
Peterson Seed Co												4													23
P&H Warehouse												· ·	 Ų												10
Plaisted Companies	2000													15		100									22
Polfus Implement							 																		. 9
Polfus Implement																									11
Precision Turf & Chen	nica	d.	In	c.		 																			16
Prinsco				20									 1	 3											32
Rhone-Poulenc																									28
Rohling Green Corp																									31
Scotts						 	 																		33
Twin City Seed																									36
Wilber-Ellis																									
Williams & Gill			15 (Ž)	1100 1100	1000			2 '	esti.	25	100E	100			876 2017	646									19

# 1998 MGCSA CALENDAR

September 14 .	Stodola Scramble Pebble Creek CC Host Superintendent: Cary Femrite
October 5	
November 14	
December 10 .	

# HARTMAN

Est. 1972

\*\*Sports Turf Specialists\*\*

 High Tech Drainage Techniques & Design Renovation

Landscaping

Excavating

& Grading

Jeffrey L. Hartman
President

8011 Bavaria Rd., Victoria, MN 55386 • 612-443-2958 • Fax: (612) 443-3452

# **HOLE NOTES**

Official Publication of the Minnesota Golf Course Superintendents' Association

### 1998 MGCSA BOARD OF DIRECTORS

### Officers

	Jim Nicol, CGCS zeltine National GC Fax: 612/448-1726
Vice-President 612/315-8582	Tom Fischer, CGCS Edinburgh USA • Fax: 612/315-8585
Secretary	. Pat Walton, CGCS Rolling Green CC • Fax: 612/478-6025
	Rob Panuska Waseca Lakeside CC • Fax: 507/835-3472
Ex-Officio	Mankato GC Fax: 507/387-4991

0011000-2010	- Pax. 001/001-4331
Directo	ors
Mike Brower	Hillcrest CC • Fax: 612/774-1752
Jeff Churchill Nor 800/592-9513	th Star Turf Supply • Fax: 612/484-8257
Bob Distel	• Fax: 612/404-2532
Paul Eckholm, CGCS	Heritage Links GC 612/440-6494
Jim Johnson, CGCS	Rich Spring GC 612/685-4322
Mike Klatte, CGCS	Elm Creek GL 612/478-8592
John Queensland	Cedar River CC 507/582-3595
Steve ShumanskyP	erham Lakeside CC 218/346-6071
Steve Young Plais	sted Companies, Inc.

### EDITOR

612/441-1100 • Fax: 612/441-7782

Steve Shumansky E-mail: plcc@eot.com

### **Editorial and Business Office**

Scott Turtinen, Executive Director
Minnesota Golf Course
Superintendents' Association
240 Minnetonka Avenue South/P.O. Box 617
Wayzata, Minnesota 55391-1617
Tel: 612/473-0557 • Fax: 612/473-0576
Toll Free: 800-642-7227





### FROM YOUR PRESIDENT'S DESK

# Can You Remember A Year With So Many Severe Storms?



Now that September has arrived, I hope we can look forward to some reasonable weather patterns. Can you remember a year with so many severe storms? The last week of August delivered some intense rain for the southern metro area, and the Duluth area received tremendous hail damage to putting greens. My neighbors and I received 4.5" of rain during the evening of the 22nd of August. Mike Natzel called wondering if there is any way to repair hail stone marks on putting greens without ruining your back? Just another curve ball.

\* \* \*

Many of you know that I have been placed on the ballot for Director of the GCSAA for the February election in Orlando. This circumstance will no longer permit me to serve as a Chapter Delegate. Keith Scott will be our new Chapter Delegate after serving as the Alternate Delegate. Keith will be traveling to GCSAA Headquarters in Lawrence during the middle of September as our representative at the Annual Chapter Delegates Meeting. If you have any questions or concerns about the GCSAA, this would be a good time to raise them with Keith or myself and we will try to find an answer for you.

\* \* \* \*

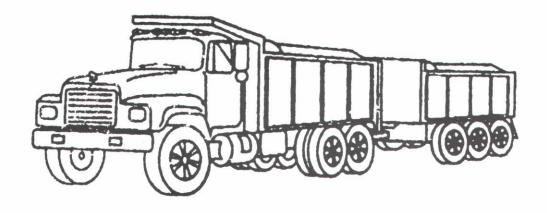
In August I attended the 80th PGA Championship at The Sahalee Country Club. Their greens staff of 40 was bolstered with a volunteer staff of 40 which included local Superintendents and crew members. An impressive effort was put forth by everyone and the results showed it. Crowds were enthusiastic, filling the bleachers around the 17th and 18th greens before 7:00 a.m. on Sunday and cheering on the staff as they mowed and rolled the putting greens. The young man setting cups received a standing ovation after finishing on the 18th green. Sahalee's Golf Course Superintendent, and a close personal friend of mine, Tom Wolff, was very proud of what they had accomplished and he had every right to be. The local Seattle papers referred to him in the Monday edition as "the hero of the tournament." He and his staff were quoted in the print media quite often. They had a lot of fun and all agreed that the experience was one they will not soon forget.

I look forward to seeing you and your guests at Pebble Creek. Cary Femrite will have the course in top playing condition.

Jim Nicol, CGCS
 MGCSA President



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, 240 Minnetonka Avenue South, Wayzata, MN 55391-1617. Scott Turtinen, Publisher. Periodicals postage paid at Wayzata, MN. POSTMASTER: Send address changes to HOLE NOTES, 240 Minnetonka Avenue South, Wayzata, MN 55391-1617.



# LEITNER COMPANY

Specializing In Soils For Golf Course Maintenance & Construction

Soil mixing and processing specialists.

Supplying the Golf Course Industry with soil and sand products for over 50 years.

From 10 yards to 10,000 yards — material to specification for topdressing and construction.

Quality — Reliability — Experience

MIKE LEITNER

# LEITNER COMPANY

945 Randolph Avenue St. Paul, Minnesota 55102

(612) 291-2655

PROUD SUPPORTER OF RESEARCH AND EDUCATION THROUGH THE MGCSA

# 'Dream Team' Building 45 Holes at Cragun's

First 18 Completed Rapidly at Gull Lake Resort

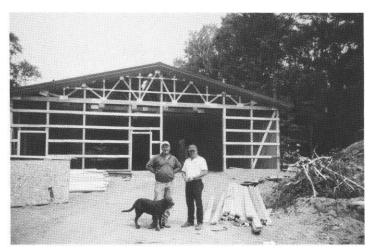
By RALPH TURTINEN

"dream team" assembled to build the 45-hole golf complex at Cragun's Resort on Gull Lake north of Brainerd certainly completed the first 18 holes rapidly.

From August 6, 1997, when the first yard of dirt was moved, to August 5, 1998, when owner Dutch Cragun hit the inaugural tee shot, it was exactly one year minus one day to get the first of two championship courses completed.

Naturally, there's still some fine-tuning to be accomplished, but the course officially will open on September 11 for limited play.

Another championship nine will be completed next year as well as a unique "reversible nine" which has yardages ranging from 100 to 240 yards and can be played clockwise or counterclockwise. Later, one more championship nine will complete the 45-hole layout.



This 250x66 maintenance building at Cragun's, which also will house a 12-unit dormitory for interns, serves as a backdrop for Tom Kientzle, director of golf; Dan Steiger, head golf course superintendent, and his friend, Kaz.

Designed by Robert Trent Jones, Jr., Cragun's new, yetto-be named courses provide still another attraction to the Brainerd Lakes area which is rapidly establishing itself as a golf destination with a variety of places to play and stay. (See "Golf Boom" story on Page 17.)

Describing Cragun's construction crew as a "dream team" organized to simultaneously handle various construction phases — such as cutting and filling, building tees, clearing and grubbing, irrigation or whatever — Tom Kientzle, CGCS, director of golf at Cragun's, said "We're proud of what we've accomplished thus far and we're all set to make it an outstanding facility."



A towards-the-tee look from the first green at Cragun's.

Head Golf Course Superintendent Dan Steiger, who worked with Kientzle when the Marsh Nine was being built at Grand View Lodge, then went to Green Gables in Colorado before joining Cragun's construction team a year ago, echoes Kientzle's comments.



Reshaping the huge bunker at the 16th hole are several members of Cragun's grounds crew.

"We really have had great cooperation by all concerned," said Steiger. "We had a crew of about 30 during most of the summer, and they did a magnificent job. We also were provided with a great opportunity to do the work properly. We were able to purchase equipment when wanted and needed, and we had great support from our suppliers, too."

Working closely with Steiger were Matt McKinnon, formerly at Bemidji Town & Country Club, and Steve Jetvig,

(Continued on Page 9)

SEPTEMBER 1998 HOLE NOTES • 7

# A Cover Up Even Washington Would Be Proud of.



Sometimes it may seem like you spend more time and money maintaining an optimum putting surface than the Feds do trying to manage their Bills. Rest easier this winter. Covertech's Supreme Green turf covers offer a lock tight cover up that will make you feel like you're getting away with something.

- o Reduces frost & ice damage
- o Accelerates seed germination
- o Reduces wind desiccation
- o Porous to allow water & air movement
- o Made of tough woven poly material
- o Lightweight for easy handling
- o Comes with anchors & storage bag
- o 7-year pro-rated warranty



# Cragun's-

(Continued from Page 7)

who previously was a groundskeeper at Coors Field in Denver.

For Kientzle, the Cragun's project presented an appealing challenge, much like at Grand View where he was employed from 1984 to 1996 and helped build the 27 holes at



An amphitheater of nine tees can be viewed across this section of marshlands on the 13th hole, a par five.

The Pines and was involved in the grow-in of grass at The Preserve. His family owns Birch Bay golf course, also located in the Brainerd lakes area.

Kientzle is enamored by several design features, such as having at least four tees on every hole with one, the 13th hole on the first 18, presenting an amphitheater of nine tees. Another on the third nine will have 11.



Golf course construction is the natural topic for, from left, Dan Steiger, head golf course superintendent; Steve Jetvig, assistant, Chad Radzieg, and Tom Kientzle, director of golf.

"Not only will this approach allow golfers to enjoy the course according to their abilities, but it also will allow us (the groundskeeping department) to care for the tee boxes properly," Kientzle said.

He also said he enjoys Jones' "goalkeeper" approach that has bunkers (like goalie mitts) blocking areas at various greens, thus forcing a player to circumvent the blocked areas.

Before the first tree was trimmed, Kientzle said, Cragun's



Moving dirt rapidly is Jerry Thomas on a Terex TS-14.

joined the Audobon program and adopted "a sustainable development program that protects and preserves a place to work and recreate." The Jones firm was hired in the Spring of 1997 after Dutch Cragun had reviewed three proposals.

Cragun, 66, has been as enthused as anyone about the overall design of the 45-hole complex, the construction progress and the sincere effort made by all concerned.

"I'm so excited I forgot about being 66," he said. "I'm revitalizing. After being in this business since I was eight years old, this is probably the most exciting time of my life."

(Continued on Page 11)

# JOHN DEERE TURF GATOR

It Whispers While It Works.



Turf Gator toughness starts with a heavy-duty, welded frame with unibody construction. Turf Gator quietness comes from an isolation-mounted engine, large volume muffler and internal sound-absorbing material — allowing you to work without disturbing play. Like a golf cart, you simply press a pedal to start and accelerate. High-flotation tires allow the Turf Gator to work hard without scuffing the turf.



# Polfus Golf & Turf

12040 Point Douglas Drive S. Hastings, MN 55033 (612) 437-7747 • Fax: (612) 437-3483



# E 700/750 Series Rotors

With the introduction of the EAGLE 700/750 Series rotors, Rain Bird now offers the only complete family of 50- to 90-foot (15.3 m to 27.5 m) closed-cased rotors designed With the introduction of the EAGLE 700/750 Series rotors, Rain Bird now offers the only complete family of 50- to 90-foot (15,3 m to 27,5 m) closed-cased rotors designed only complete family of 50- to 90-foot (15,3 m to 27,5 m) closed-cased rotors designed only complete family of 50- to 90-foot (15,3 m to 27,5 m) closed-cased rotors designed. Excusively in the 80th mulay.

These new 50-to 75-foot (15,3 m to 22,9 m) rotors provide the same required by the recentary the same and lawels of newformance delivered by the recentary features and lawels of newformance. These new 50- to 75-toot (15.3 m to 22.9 m) rotors provide the stress new 50- to 75-toot (15.3 m to 22.9 m) rotors provide the stress new 50- to 75-toot (15.4 m 275 m) mode features and levels of performance delivered by the popular features and levels of performance delivered by the popular mode 27.4 m 275 m) m 27.4 m) mode 27.4 m) m 27.4 m) m 27.4 m) m 27.4 m) m 27.4 m) mode 27.4 m) m 27.4 m 27.4 m) m 27.4 m 27.4 m 27.4 m) m 27.4 m 27.4 m 27.4 m) m 27.4features and levels of performance delivered by the popular models.

10 to 90-100 (21.4 m 27.5 m) models.

11 ENGLE 900/950 Series 70- to 90-100 (21.4 m 27.5 m) mochanicm.

12 The reliable closed-case design products the drive mochanicm. omy complete rainty or 30° to 30°te exclusively for the golf industry. EAGLE 900/950 Series 70- to 90-tool (21,4 m 27,5 m) models.

The reliable closed-case design protects the drive mechanism.

The reliable closed-case design protects the most challenging that the most challenging and debric even under the most challenging from vandatism and debric even under the most challenging. The reliable closed-case design protects the drive mechanism from vandalism and debris, even under the most challenging conditions

Environmentally sensitive, the EAGLE 700/750 Series feature of the securior of Environmentally sensitive, the EAULE /UU//30 Series lead to the sensitive, the EAULE /UU//30 Series lead to the sensitive, the EAULE /UU//30 Series lead to the sensitive of the ures a water subricated design that requires no oil for operation. Plus, a simple flow around-the-motor design operation. Plus, a simple flow around with samina such operation.

operation. Plus, a simple How-around-the-motor design water ensures dependable performance even with varying water ensures operations. interference-free operation by projecting the stream above any tall turf, and high-performance color-coded nozzles offer easy identification. The rotors 3.25-inch (8,3 cm) pop-up height provides THE TOTORS 3.43-mch (8,3 cm) pop-up neight provides interference-free operation by projecting the stream above interference-free operation by projecting the stream above any tall turf, and high-performance color-coded norther any tall turf, and high-performance. quality conditions.

any tau turi, and mgn-periormance color-colled notates other easy nucleum-anon.

The EAGLE 700/750 Series features at top-serviceable design and built-in pressure and adjustment.

The regulator that ensure easy maintenance and adjustment. regulator that ensure easy mannenance and adjustment.

Roth full and part circle EAGLE rotors are available in electric, hydraulic and meet the specific demands of golf course it also full and part circle EAGLE rotors are available in electric demands of golf course is specific demands. Both full and part circle EAGLE rotors are available in electric, hydraulic and rriga-Stopamatic. models, each designed to meet the specific demands of golf course irriga-tion systems. THE EAULE 1001 | 70 Series restures a top-serviceante destregulator that ensure easy maintenance and adjustment.

The EAGLE 700/750. Performance Plus. Case closed!

Keeping the golf world greener:w

P & H WAREHOUSE SALES, INC.

## PLYMOUTH

9835 10th Ave. N. Plymouth, MN 55441 612-542-1188 FAX 612-546-7515

# **EAGAN**

1971 Seneca Road Eagan, MN 55122 612-687-0282 FAX 612-687-0382

# ST. CLOUD

415 Sundial Drive 320-259-6448 FAX 320-259-0165

# SIOUX FALLS

2303 W. 50th St. Souix Falls, SD 57105 **605-357-9577** FAX 605-357-9960

# RAPID CITY

Call your Rain Bird Golf Distributor at 800-422-1487

IN-BIRD SALES, INC. GOLF

1945 Rand Road Rapid City, SD 57702 605-355-9003 FAX 605-355-9033