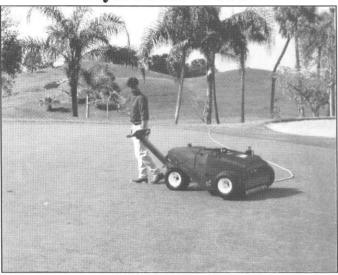


# TORO Toro has an aerator that's right for you. TORO



# Hydro-Ject<sup>™</sup> 3000



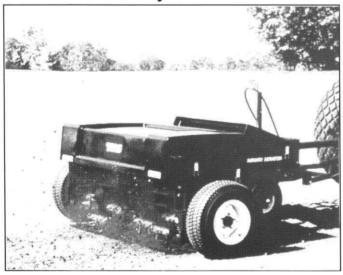
A revolutionary turf cultivation tool that deeply aerates compacted soils without causing surface disturbance using high velocity water.

# **Greens Aerator** Get in 18 holes in the time it took you to do 9



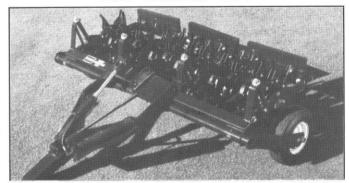
Compare that to the competition. Toro keeps you way out in front because of its increased ground speed-and wider coring width. 13,000 square feet per hour means you'll do the job almost twice as fast as you're doing it today.

# **Fairway Aerator**



Productivity, extra depth and durability in one machine...This 1.5 acre per hour aerator gives fairways and other large turf areas the same quality aeration previously limited to greens.

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Three independent coring heads follow the ground contour both vertically and horizontally over uneven turf conditions. You get deep penetration with twelve (12) 70 lb. castings spread across a 6½ foot aerating swath for those large turf area jobs.

Choose from three tractor-drawn aerators to effectively and economically aerate your general turf areas.



# **HOLE NOTES**

Official Publication of the Minnesota Golf Course Superintendents' Association

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#### FROM THE PRESIDENT'S DESK

# Our Championship Problem May Have Been A Case of 'Open Fever'



As we sometimes find in life, things do not always go as we would have planned them, such as the August Superintendents' Golf Tournament held at Hazeltine National Golf Club.

As your president, I apologize to any member who did not get to play in this event this year. I would like, initially, to say that only MGCSA members were allowed to play! Over the past few years we have not restricted this tournament to only golf course superintendent members in order to keep the attendance and the participation up.

Last year's tournament brought forth 120 total players: superintendents, assistants and associates combined. This year we received 200 entries to fill a maximum field of 140. I suspect that we should have had some foresight to realize that the 1991 U.S. Open course would draw players out of the woodwork!

Through the cracks, the field limit of 140 was omitted from the entry form. Human error does happen. I would add that all entries were taken based on the U.S. Postal Service cancellation stamp on the envelope.

Mail does not always arrive on time. Club accountants do not always send the checks out on time, even if you watch them make the check out and stuff it in an envelope. It does not mean that it got mailed that day.

I know that no further explanation can ease the anger of those of you who could not play. In the future this tournament will be referred to as the Annual Association Golf Tournament, not the Superintendents' Tournament. The Board of Directors has looked into this situation to see if this truly was a problem . . . or just a case of "Open Fever."

Many thanks to Chris Hague and the Hazeltine National Golf Club for a grand time. A tough, but beautiful golf course was met, and I think all would agree that the course won!

The Harold Stodola **Guest** Scramble will be held Monday, September 24, at Dellwood Hills Golf Club. This is the time to bring your club officials, guests or grounds crew to enjoy a good time!

-Kerry Glader MGCSA President



#### **ABOUT THE COVER**

Playing out of a bunker is John Katterheinrich, course superintendent at Interlachen Country Club, Edina, who won the 1990 Championship at Hazeltine with his 39-41—80. For more information and photos, please turn to page 10.

# FERTILIZERS? WILBUR-ELLIS!

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15-0-30 ) ) Greens Grades ) with Nutralene 20-0-20 )

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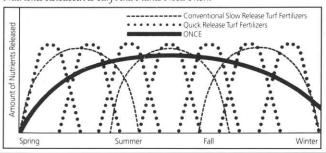
NUT	P. MIT	Ro-	32.00		12
(4	MLENE.	ROFORM,	100 BDU	100 CC	(46.0.0) REA
Release Characteristics	12-16 wks	12-16 mos	12-16 wks	Varies	1-4 wks
Hydrolysis Releasable					-
Microbial Releasable					
Not dependent on coating or particle size for release					
Nonburning					
Low Salt					
Minimal Leaching					
Minimal Volatilization					

# ONCE Season Long - N, P, and K

Temperature Release - Not Affected by Water or Microbial Action (5-6 months)

Nutrients Released As Turf And Plants Need Them

24-6-11 5-6 months 25-0-18 5-6 months 35-0-6 5-6 months 0-0-47 5-6 months 15-12-13 5-6 months



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# 63rd Annual Turf Conference Set November 28-30

### **Northland Inn** In Brooklyn Park Is Site of This Year's Session

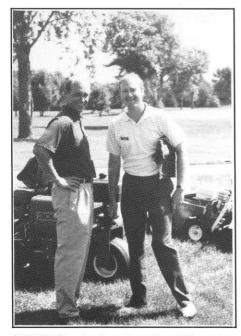
It's not too early to begin making plans for the 63rd annual MGCSA Turf Conference to be held November 28-30 at the Northland in Brooklyn Park.

Chairman Kevin Clunis, superintendent at Stillwater Country Club, has been accomplishing a lot of advance work and has virtually completed the entire program. A preliminary schedule is presented on this page.

Although the MGCSA has enjoyed considerable cooperation from the hotel staff at the Sheraton Northwest, resulting in several successful conferences, the association is looking forward to the Northland, located just a few hundred yards west of the Sheraton on I-94.

"We'll have a lot more space, the accommodations are outstanding and the prices are reasonable and competitive," said Clunis, who is looking forward to an excellent turn-out.

Pre-registration forms will be mailed in late September.



PAUSING at the Superintendents' Championship held at Hazeltine August 13 are Dale Parske, left, and Scott Thorn of Lesco.

#### **MGCSA** 63rd ANNUAL TURF CONFERENCE & BUSINESS MEETING NOVEMBER 28, 29 & 30, 1990 **NORTHLAND INN BROOKLYN PARK, MN**

Wednesday, November 28, 1990 Main Ballroom

#### PESTICIDE APPLICATORS TRAINING

7:30-9:00 a.m.	Registration
9:00-9:05	Kerry Glader, CGCS, MGCSA President
	Welcome
9:05-9:30	<b>Wayne Dally</b> , Minnesota Department of Agriculture: Pesticide laws and regulations, storage and transportation, documentation, disposal, record keeping, people and public relations, and special concerns.
9:30-10:15	Dean Herzfeld, Assistant Agriculture Extension
	Agriculturist, Minnesota Extension Service:
	Label and label comprehension, protective clothing,
	hygiene, poisoning and first aid.
10:15-10:30	Break
10:30-11:15	Steve Aunan, Fike Spray Systems:
	Pesticide safety, environmental considerations, equipment and calibration, calculations and application techniques.
11:15-12:00	Bob Mugaas, Agricultural Extension Agent,
	University of Minnesota:
	Weeds and weed control.
12:00-1:00	Lunch
1:00-1:45	Ward Stienstra, Department of Plant Pathology,
	University of Minnesota:
	Turf diseases and control
1:45-2:30	John Barten, Water Quality Manager, Hennepin Park
	District:
	Aquatic Weeds and Control Methods, Laws & Regulations
2:30-2:45	Break
2:45-4:15	Ernie Larson, Motivational Speaker
4:30-5:30	MGCSA Business Meeting

#### Thursday, November 29, 1990

7:30-9:00	Registration
7:30-8:30	FELLOWSHIP MEETING, Speaker TBA
	Sinclair Lewis Room

#### CONCURRENT SESSION I

Minnesota Room		
9:00-9:30	Van Cline, Manager/Custon "Superintendent of the '90s"	ner Education, Toro, Inc.:
9:30-10:15	<b>Joseph Baidy</b> , CGCS, Acaci Government Relations Comm "Federal Laws and Regulatio	
10:15-10:30 10:00-5:00	Break Trade Show Opens Main Ballroom	(Continued on Page 6)
_		

#### 1990 MGCSA Turf Conference

(Continued from Page 5)

10:30-11:15 **Dr. Richard Cooper**, University of Massachusetts:

"Pesticide Toxicity"

Dr. Tom Watschke, Penn State University: 11:15-12:00

"Water Quality"

12:00-1:00 Lunch

James Latham. USGA Greens Section 1:00-2:00

Director-Great Lakes "Turf Tips"

2:00-5:00 Trade Show

6:30 Board-Speaker Dinner

August Stuebner Room

Friday, November 30, 1990

7:30-9:00 Registration

7:30-8:30 Industrial Relations Meeting

CONCURRENT SESSION I

Main Ballroom

9:00-10:00 Dr. Richard Cooper, University of Massachusetts:

"Pesticide Movement in the Environment"

10:00-10:15 Break

10:15-11:15 **Dr. Tom Watschke**, Penn State University:

"Weed Control Strategies"

11:15-12:00 Howard Kaewer

"Poa Research"

12:00-1:00 Lunch

John Barton, Water Quality Manager, 1:00-1:30

Hennepin Park District:

"Hennepin County Project"

Chris Hague, CGCS, Hazeltine National GC:

"1991 U.S. Open Preparation"

Thinking Superintendent 2:00-3:00

**EVENING BANQUET** 

Minnesota Room

1:30-2:00

Cash Bar and Appetizers 6:00-7:00

7:00-9:00 Dinner and Awards

Entertainment-Alex Cole, Comedian 9:00-10:00

> Registration **Forms** For The 1991 **Turf Conference** Will Be Mailed In Late September

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# **New Golf Course Marketing Research Reports Introduced**

The Center for Golf Course Management (CGCM), a subsidiary of the Golf Course Superintendents Association of America (GCSAA), recently introduced the first edition of its marketing research report, Buying Habits of Golf Course Superintendents.

The primary purpose of the Buying Habits report is to assist golf course/turfgrass manufacturers with the establishment of their marketing strategies. The report, which will be published annually in August, includes information such as course demographics, purchasing behaviors, equipment inventories, expenditures, customer satisfaction, planned course improvements

The report was compiled from the results of surveys mailed to more than 11,000 golf course superintendents, both GCSAA members and non-members. Analyses and cross-tabulations of the information were conducted by CGCM's Marketing Research Division.

The Buying Habits report is available through CGCM for \$945. With each report purchased by October 1, 1990, a second marketing research tool, the Maintenance Trends Report, will be provided free. After October 1, this report will be available for \$100.

The Maintenance Trends Report is a study of current and emerging golf course management practices based on the results of a survey sent to 1,200 certified golf course superintendents. This year's report features deep-tine aerification. Poa annua control, lightweight fairway mowing, 72-inch rotary mowers for maintaining roughs and computers in golf course management.

In addition to these two reports, the CGCM Marketing Research Division provides other services to meet the specific needs of golf course industry manufacturers, including custom analysis of the Buying Habits report data and the collection of proprietary information for individual companies.

For further information on these reports or other services. please contact the CGCM Marketing Research Division at 800/472-7878 or 913/841-2240.

# **MEMBERSHIP REPORT**

#### NEW MEMBERS-AUGUST 15, 1990

Thomas Parent	Class	A	River Oaks Golf Club
Cyril Flem		A	Rolling Hills
Gregg Knudson		D	Interlachen CC
Ross Mathiesen		C	U of MN - Waseca
Eric Hodgson		C	Perham Lakes
John Betchwars		D	Hazeltine Natl.
Steve Aunan		F	David Fike Co.

#### RECLASSIFICATION

Jay Gustafson	C-BII	Nemadji
Keith Greeninger	BII-B	Woodhill
John Almlie	C-BII	Rich Springs
Harley Flor	BII-A	Kate Haven

Greg Hubbard, Membership Chairman

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WEIGHT 900 lbs. (400kg approx.)

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Quadra 1/4",3/8", 1/2" and 5/8", (6mm, 10mm, 13mm and 16mm)

#### OPERATING SPEED

Variable up to 30,000 sq. ft. per hr. (2,800m²) subject to pattern selected.

#### **AERATION PATTERNS**

Variable 1", 2" and 4" centers laterally-1" to 5" centers longitudinally. (25, 50, & 100mm centers laterally X 25 & 125mm centers longitudinally)

CALL FOR A DEMO TODAY

# John Katterheinrich Wins Superintendents' Tourney

John Katterheinrich, who took over the head golf course superintendent's position at Interlachen Country Club in Edina earlier this year, has established himself as a competent golfer, too.

In his first venture into the Minnesota Golf Course Superintendents' Championship, held this year at Hazeltine National Golf Club in Chaska on August 13, Katterheinrich walked off with top honors with his 39-41—80, three strokes ahead of Randy Nelson, Owatonna Country Club.

#### **Hazeltine Demands Practice**







Jerry McCann, Daytona



Tom Mundy, Easy Go



Bill Johnson, Edina

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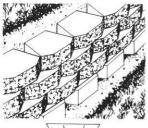
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**Defending champion Paul Mayes,** Brackett's Crossing, who captured the crown last year at Edina Country Club, had a bit more difficulty this year mastering the site of the 1991 U.S. Open. He finished with a 90.

Third place honors in the Championship Flight went to Shane Andrews of Monticello Country Club, who shot an 84, one stroke ahead of Lester Reiff, Lost Spur Country Club. Tied for fifth with 86s were Monty Swift, Fox Lake Golf Club, and John Varty, Elk River Country Club.

The senior winner was George Gibbons, Jackson Golf Club, who posted a 45-42—87, one stroke ahead of Russ Adams, University of Minnesota.

In the Handicap Flight, Steve Busch of Long Lake Ford Tractor, took top honors with a 37-44—81, three strokes in front of John Betchwars, Hazeltine.

Howard Brandt, H & J Marketing, Inc., won the Callaway Flight with a 43-38—81.

#### **CHAMPIONSHIP FLIGHT**

John Katterheinrich, Interlachen C.C.	39-41-80
Randy Nelson, Owatonna, C.C.	43-40—83
Shane Andrews, Monticello C.C.	45-39—84
Lester Rieff, Lost Spur C.C	41-44—85
Monty Swift, Fox Lake G.C.	44-42—86
John Varty, Elk River C.C.	42-44—86
Paul Mayes, Brackett's Crossing (Defending Champ.)	46-44—90

#### **SENIORS**

George Gibbons, Jackson G.C	. 45-42-87
Russ Adams, Les Bolstad G.C	. 43-45-88
Bill Johnson, Edina C.C	. 42-48-90
John Beyer, Paul Bunyan G.C	. 44-47-91

#### HANDICAP FLIGHT

Steve Busch, Long Lake F	ord Tractor
John Betchways, Hazeltine	National G.C
Carey Femrite, Pebble Cre	ek G.C
Greg Hubbard, Manitou R	dge G.C
Tom Mundy, E-Z-GO Textr	on
Duane Slaughter, Hazeltin	e National G.C42-45—87
Tom McCann, Landscape	& Turf
Scott Hoffman, Madden In	n G.C
Cyril Flem, Rolling Hills C	i.C
Jerry McCann, Daytona G.	C
	C.C
Joe Buege, Pebble Creek (	G.C
George Peterson, Pebble C	reek G.C
Jim Hove, Woodhill C.C	44-49—93
Steve Hagen	48-45—93
Brian Evanson, Birchwood	G.C

#### CALLAWAY FLIGHT

Howard Brandt, H&J Marketing, Inc	43-38-81
Bill Neuman	45-44-89
Wade West, Rich Acres G.C	46-45-91
Scott Thorme	46-46-92
Cal Schmidt, Greenscape	. 45-51—96
Mike Redman, Scott's Pro Turf	52-44-96
Marcin Murphy, Minikahda Club	52-45-97
Kevin Schmidt, Lafayette Club	49-48-97
Arvid Nevs	48-48—96