How Do You Measure A 50 Ft. Putt? In 16ths Of An Inch.

The measure of a great green is small. To achieve it you need absolute precision.

That's why Toro created

the Greensmaster® family.

Start with the

Greensmaster 500, the only 21-inch walk-

behind with a floating

Greensmaster 500 head. It follows turf undulations for a smoother, more consistent cut.

Then there's the 1000, the most

advanced walk-behind greens mower ever built. Its balance, tracking and clip rate are so precise, you can cut higher and still get maximum playability.



Greensmaster 1000

The Greensmaster
3000 Series features
isolated cutting units

for a consistent uniform

cut. The 3000-D offers durable diesel power, and both can turn in their own circle.



Greensmaster 3000

Finally, there's the 3100. It uses less

fuel, runs cooler and quieter and burns cleaner. And it was the first with Turf Guardian™ hydraulic oil

Greensmaster 3100 leak detection.

There's a Greensmaster to fit any need. Let us show you how one can make a measurable improvement on your course.

Helping you put quality into play.™



TORO

14900 - 21ST AVENUE NORTH • PLYMOUTH, MINNESOTA 55447 PHONE (612) 475-2200 • FAX (612) 475-0351

HOLE NOTES

Official Publication of the Minnesota Golf Course Superintendents' Association

1993-94 MGCSA BOARD OF DIRECTORS

Officers

President	
Vice-Presi	dent Kevin Clunis Stillwater CC 612/439-7760 • Fax: 612/439-2434
Secretary	
Treasurer	Dale Wysocki Faribault Golf & Country Club 507/334-5550 • Fax: 507/334-0102
Ex-Officio	Greg Hubbard, CGCS Manitou Ridge GC 612/777-1436 • Fax: 612/777-7198

Directors
Tim Commers Cushman Motor Co. 612/333-3487 • Fax: 612/333-5903
William S. Cox
Cary FemritePebble Creek GC 612/261-4656 • Fax: 612/261-4411
John Granholt Eau Claire Golf & CC 715/836-8422 • Fax: 715/836-8425
Richard Grundstrom Indian Hills GC 612/770-3091 • Fax: 612/770-2302

Tom Johnson New Richmond GC 715/246-4850

Tom Kientzle, CGCS Grand View Lodge 218/963-7732 • Fax: 218/963-2269

Monty Montague National Mower/ Turfco Mfg., Inc.

612/646-4079 • Fax: 612/646-2887 Norma O'Leary, CGCS Silver Bay CC

218/226-3111

EDITORIAL COMMITTEE Dale Wysocki, Chairman

Cary Femrite Larry Vetter

EDITOR Dale Wysocki

CO-EDITOR Cary Femrite

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

Look For Our New 'President's Mail Bag'



Thank you Woodhill Country Club staff for a very enjoyable January meeting.

Rick-thanks for having the rink flooded, the red barn prepared for the morning board meeting and for the excellent, catered lunch.

Tim-thanks for your input. Your knowledge was well-received and appreciated.

I would like to take this opportunity to extend my deepest appreciation to each of you for hosting a monthly meeting. We all know what an endeavor it is just to become a host.

Unfortunately, I must convey a less spirited message which pertains to the MGCSA membership in general.

We all deal with members/customers who are very particular and never seem quite satisfied with operations. Instead of addressing the proper person with their concerns, they discuss them with irrelevant sources which can result in twisted facts, ill feelings and needless hostility. This is not confined to a single area; it has filtered through the entire MGCSA.

In response to this dilemma, I am proposing that we channel this negativism into constructive criticisms beneficial to everyone. A "President's Mail Bag" has been established so you may write, in an open forum fashion, and I will respond. All letters and responses will be published in *Hole Notes*. Also, feel free to speak with me directly by phone.

Remember success is gained through team effort, communication and cooperation.

I hope to see many of you at the Northland Inn on March 14th.

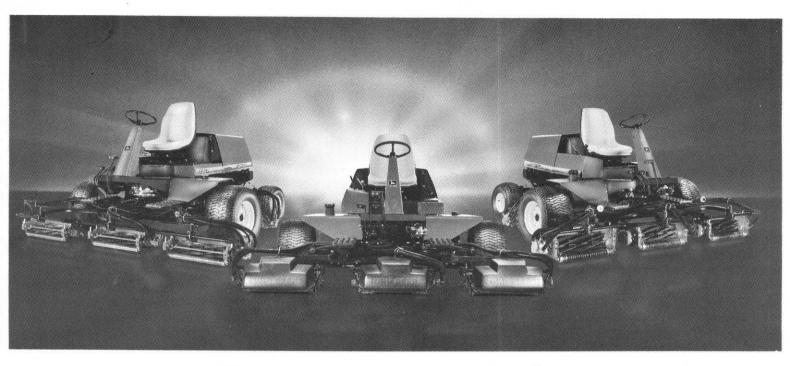
Thank you.

-Joe Moris

P.S. Every year it is getting difficult to find golf courses for our monthly meetings, especially in the metro area. If you would consider hosting a monthly meeting in 1995, please contact Bill Cox, arrangements chairman. Call Bill at Tianna C.C., 218/547-2141.



HOLE NOTES is published monthly except bimonthly 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. Application to mail at second class rates is pending at Wayzata, MN. POSTMASTER: Send address changes to HOLE NOTES, 240 Minnetonka Avenue South, Wayzata, MN 55391-1617.



You just can't beat THE SYSTEM

Introducing the new 3215 and 3235 mowers

Good news. The days of "onesize-fits-all" lightweight fairway mowing just ended.

Now, with the new John Deere 3215 Turf System I and 3235 Turf System II Mowers, you get the ground hugging benefits of 22-inch cutting units regardless of what turf surface you work on.

The 3215 with standard cutting units is a 25.5-hp machine designed

to perform well on
any turf type, but
especially on the
more delicate coolseason grasses.
Cutting units are
5 inches in diameter
and feature 7-bladed reels.

The 32-hp 3235 can be equipped with standard or heavy-duty ESP™ cutting units. The ESP units are



diameter, have
3-inch rollers, and
feature 8-bladed
reels to handle
tough conditions
like mowing warm-

7 inches in

and transitional-season grasses.

Talk to us soon for more information about these revolutionary new mowers.

NOTHING RUNS LIKE A DEERE®





Polfus Implement

1409 Hwy. 64 East New Richmond, WI

Call for Demonstration

(612) 439-6776 or (715) 246-6565

CARRIES A SPECIAL MEANING FOR THIS SUPERINTENDENT

Golf's Contribution to Charities Goes A Long Way

It was mentioned in the *Minneapolis Star Tribune* on December 19, 1993 that the Burnet Classic golf tournament presented checks to United Hospital and Abbott Northwestern-Sister Kenny Institute in the amount of \$156,000. They also gave the Chi Chi Rodriguez Youth Foundation \$30,000 for junior golf programs.

I personally was surprised to see this, as I didn't realize the contributions this tournament provided. I think we are all aware of the tremendous amounts of charitable contributions golf makes to these truly needed charities.

There was a time in my life where the Sister Kenny Institute was to become a major player in the rehabilitation of my then-injured wife. It was August 29, 1987, and I was completing the construction phase at Pebble Creek C.C. Little did I know that on this particular Saturday the events that were to transpire that afternoon would change my life forever.

I received a call from Mercy Medical Center at 5:30 p.m. that afternoon, was told my wife was involved in an auto accident, that she sustained severe head injuries and that I should get there as soon as possible. I can't tell you how long that ½-hour drive seemed.

For three days, the hospital wanted me close by in the event Mary would become a donor. Mary regained consciousness on the third day, not knowing who or where she was. She had several broken bones and a severe head injury but not internal injuries. The 10 days she spent in intensive care were the longest our family had endured.

For the next five weeks her function level ranged from a four-year-old to a 10-year-old. We were beginning to realize that Mary had reached a plateau and that recovery had gone as far as it could. All things being considered, I prepared myself for a wheelchair-ridden wife and selling our house or divorcing her and having the Sister Kenny Institute care for her with help from the State. At times this was too much to comprehend.

The day before I was to sit down with all parties and decide our course of action, I arrived at the hospital, and there was Mary—standing up, walking around, talking to the nurses, smiling, just being herself like nothing ever happened. I walked around the corner and she said, "Hi, Cary! Look at me!"

I went pale with shock, and I held her in my arms and cried because she finally came back to us. We were witnessing a miracle. The doctors shook their heads; the nurses were crying.

What so rarely happens in a head injury happened to Mary. Her head cleared and her confusion, frustration and existence in an unknown world all started to mean something to her. She was with us once again, and she had no memory of all the pain she had endured. It was truly a miracle!

The days that followed were filled with joy, sorrow, challenge and frustration as Mary returned to work, but she didn't retain the skill capacity she once had to perform

her job. She had no memory of her schooling, her technical training, her childhood and our own past. Imagine my reaction when she turned to me one day and said, "So we're married!" What an empty feeling she must have felt not knowing her past! Bittersweet is the best description for this whole course of events.

We left the hospital healed and humbled, grateful to all who helped and the agencies that lent their skills to give us resolve when I had nowhere to turn.

I am thankful that I chose the golf course profession because it was my therapy during all this. Let's, as Superintendents and Associates, continue to support these fine tournaments that contribute to charities. I feel that our family was blessed with a miracle to have Mary with us today. We all should feel thankful that these agencies were created. They do help our people when there is nowhere else to turn.

— Cary Femrite

Pebble Creek Golf Club

1994 Legacy Awards

The 1994 Legacy Awards scholarship competition is open annually to the children and grandchildren of most GCSAA members. Applications are evaluated based on academic excellence, outside activities and an essay about their (grand)parent's involvement with the profession.

The deadline for application is April 15, 1994. This means that all materials must be **postmarked** no later than April 15. It's a good idea to request transcripts from schools as early as possible to ensure that they're forwarded in time.

Please feel free to call the GCSAA at 913/841-2240 if you have any additional questions about the Legacy Awards.

UPDATE

Pesticide Applicator Training will take place at the 1994 Annual Conference in December. The Mini-Seminar will not offer re-certification. The Mini-Seminar is worth .5 ceu's for certified superintendents.

> Mini-Seminar March 14, 1994 Northland Inn Brooklyn Park, Minnesota

MIND THE TURF

With the Kawasaki 2520 Mule

heavyweight investment deserves every ounce of protection you can muster. Enough power to move substantial loads, comes courtesy of a big, 617 cc liquid-cooled V-Twin engine. You'll make fewer trips, too, because the Mule 2520's big, tilting cargo bed can carry up to 800 pounds per load. If that doesn't cut it, you can hook up a trailer and more than double your carrying power. And best of all, the Mule 2520 cruises over your turf on wide, turf-application tires, disturbing little more than the early-morning dew.



- · Liquid cooled, V-Twin engine
- Air intake system overhead
- 800 lb. capacity cargo bed, pick-up style
- Rack & pinion steering

AUTHORIZED FACTORY DEALER

CUSHMAN MOTOR CO., INC. TURF-CARE EQUIPMENT

2909 EAST FRANKLIN AVENUE • MINNEAPOLIS, MINNESOTA 55406 • (612) 333-3487 • FAX (612) 333-5903 • TOLL FREE 1(800) 759-5343

U of M Update

By Bradley Pedersen University of Minnesota



This is the first in a series of University of Minnesota based articles and other informational items that will appear in *Hole Notes* on a regular basis. The purpose of these articles is to update the readers of *Hole Notes* on turf and associated green industry research, education and outreach (extension) at the University. This article focuses on new activities for the Minnesota Extension Service (MES) and the Department of Horticultural Science.

This past year was one of change and growth for the MES and the Department of Horticultural Science. The promotion of effective internal and external communications and the support of unity within the green industry were major goals indentified in 1993. Three significant events that support these goals were initiated; these included the creation of a new Horticulture Specialization within the MES, the creation of an Environmental Horticulture Advisory Council (EHAC) and assistance in the establishment of the Minnesota Turf and Grounds Foundation (MTGF).

Horticulture Specialization

A new Horticulture Specialization was approved and implemented at the MES Annual Conference in October. The Horticulture Specialization brings together state specialists and county educators, representing county clusters that work with horticulture food crops and/or environmental horticulture. Other specializations include Child and Youth Development, Community Resources, Crop Systems, Environment and Natural Resources, Family Development, Financial and Business Management, Leadership/Citizen Education, Livestock Systems and Nutrition, Food and Health.

The scope of the Horticulture Specialization as stated is to "provide educational programming for commercial producers, marketers, processors; for the providers of horticultural goods and services and for the consumers of those goods and services. Horticultural products include fruits, vegetables, nursery and greenhouse plants, bedding plants and turf. Providers of horticultural services include retailers, wholesalers, installers and maintainers of landscapes, the recreation industry, public agencies, government agencies, environmental educators, volunteers and people who serve in the realm of people/plant interaction."

The purpose of the Horticulture Specialization is to "promote the technical, research-based advancement of horticulture to the public and horticultural industries in an environmentally responsible manner, including water quality and pesticide safety, and in an economically sound manner;

Challenge and support the horticultural industry to oper-

ate in an environmentally sound manner based on statistically sound research;

Integrate disciplines such as soils, community forestry, nutrition, plant pathology, entomology and wildlife in the planning and implementation to these goals;

Educate the public on the complexity and the economic and social values of horticulture;

Foster horticultural business as it relates to economic development;

Educate citizens and volunteers (Master Gardeners) about the production and utilization of horticultural crops, services and products;

Provide staff development in horticulture for all clusters; Serve as a liason between specialists and cluster needs."

The Horticultural Specialization is currently composed of 34 members each, with a portion of their responsibilities in horticulture. The specialization is divided into five working groups. Working groups include commercial, consumer, environmental, programming, information delivery and publications. The turf industry is a hybrid, like many horticulture industries, and falls under both the commercial and environmental categories.

Program priorities supported by the Horticulture Specialization for 1994 include the *Environmental Horticulture Advisory Council* (EHAC), and the *Minnesota Turf and Grounds Foundation* (MTGF).

Environmental Horticulture Advisory Council

The EHAC, while still in the early developmental stages, has met once at this writing to discuss industry challenges and solutions. The EHAC is a major effort by the MES and the Department of Horticultural Science to promote communications and coordination within the green industry. Objectives of the council could include the enhancement of University Environmental Horticulture internal and external visibility, awareness, image and credibility; to advise and counsel on programs and priorities and to actively direct, implement and participate in specific activities.

The EHAC is composed of representatives from commercial and noncommercial organizations, government agencies, legislative foundations, committees, commissions, task forces, educational institutions as well as homeowners. Greg Hubbard currently represents the MGCSA on the council. Other turf industry representatives include Curt Clint, Ron Gjerde, John Hopko, Dave Krupp, Doug Madsen, Dan Miller, Glen Rasmussen, Tom Rudberg, Larry Vetter and John Wiley. Additional information about the council will be provided as it develops.

Minnesota Turf and Grounds Foundation

Many of you have followed the progress of the Minnesota Turf and Grounds Foundation (MTGF), over the past year as the steering committee solicited your input and Greg Hubbard, your MGCSA representative, reported in Hole Notes. I want to again acknowledge the steering com-

(Continued on Page 11)

James Gardner Earns Environmental Specialist Certificate

James D. Gardner, golf course superintendent of Rochester Golf & Country Club, Rochester, has earned an environmental specialist certificate in Integrated Plant Management (IPM).

The IPM specialization focuses on effective and safe alternatives to the regular use of chemicals in golf course management. The goal of IPM is to reduce reliance on pesticides and increase the use of biological, mechanical and cultural pest control techniques.

The IPM specialist recognition is part of the Environmental Management Program (EMP) offered through the Golf Course Superintendents Association of America (GCSAA).

GCSAA's EMP consists of six distinct specializations: IPM; Underground Storage Tanks; Golf Course Development; Employee Safety and Right-To-Know; Water Quality and Application; and Storage, Disposal and Recycling.

Golf course superintendents may choose to complete one or more of these specializations, each of which is composed of a series of relevant course work. Because environmental science and regulations evolve rapidly, the superintendent must renew the specialization certificate at the end of three years.

The superintendent who successfully completes the required course work in a specialization receives a certificate from GCSAA. In addition, the superintendent who earns this credential demonstrates his or her commitment to preserve and protect the environment and local resources.

GCSAA introduced the EMP in response to the complex training needs of today's superintendents. The program is open to all golf course management professionals seeking further environmental training and expertise.

FOR SALE

- Ransome Rotary Diesel 74"
- Ransome Triplex Reel Mower Model #TR11B
- Jacobsen Triplex Green King 4
- 3 Point Hitch Vicom Fertilizer Spreader
- 5-foot M & B Hydraulic Broom

Call:

Al Hanson Viking Meadows G.C. 434-6869



DISTRIBUTORS OF:

RAIN BIRD

Hunter

CREALINE

AND OTHER QUALITY TURF IRRIGATION PRODUCTS.

- CONTROLLERS
- HEADS
- VALVES

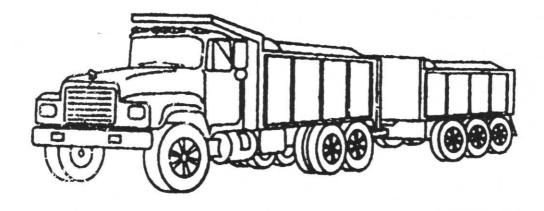


RAIN BIRD GOLF

- PIPE/FITTINGS
- PUMPS/METERS
- WIRE/VALVE BOXES

LOCATIONS:

15400 28th Avenue North Suite 2 Plymouth. MN 55447 (612) 559-0057 415 Sundial Drive St. Cloud. MN 56387 (612) 259-6448 1971 Seneca Road Bay "H" Eagan. MN 55122 (612) 687-0282



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

MEMBERSHIP REPORT

NEW MEMBERS-DECEMBER 13, 1993	Class
Gregg Peterson Zumbro Valley Rec. Club 201 2nd Ave. N.W., Kasson, MN 55944 W: 507/635-2821	A
Lance Paulson	BII
Chris Crockett E.Z-Go Textron	F
Scott Wersal	D
NEW MEMBERS—JANUARY 10, 1994 Matthew Hanson Stonebrook GC 4530 Dakota St. S.E., Prior Lake, MN 55372 W: 612/445-4442 Todd Severud Turtleback GC 2089 17¼ Ave., Rice Lake, WI 54868 W: 715/234-1405 Gary Zahrbock Prudential Inc. Co. 2704 27th Ave. N.E., Minneapolis, MN 55418 W: 612/349-1070	A
RECLASSIFICATION—JANUARY 10, 1994 James Bade	

John Granholt, Membership Chairman

Looking For A 5-Gang Pull Frame

Jacobsen or Toro

Call Bill at 1-507-645-6879

FOR SALE

1984 Jacobsen 720-ELH Sweeper.....\$4500.00

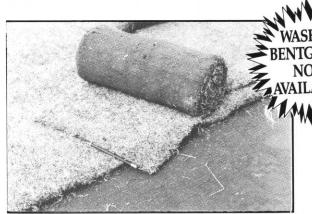
1962 Cushman Truckster (great shape).....\$400.00

(3) Jacobsen Walker Greensmowers

Call Steve at **507/451-4144**

PENNCROSS BENTGRASS SOD

Now Available From Glenn Rehbein Farms



Penncross Bentgrass

Sod TypesPenncross Bentgrass
Elite Kentucky Bluegrass

Glenn Rehbein Farms Harris, Minnesota 227-1215 – Twin City Metro 674-7937 – Harris

"Sod is Our Foundation"