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 earlymorning dew.



- Air intake system overhead
- 800 lb. capacity cargo bed, pick-up style
- Sound-insulated and extra-quiet muffler
- Governed to 16 mph for safety
- Lock-out differential for minimum ground disturbance
- Full line of accessories available



Call today...

(612) 333-3487 or Toll Free 1 (800) 759-5343

for a free on site demonstration.

CUSHMAN MOTOR CO., INC.



HOLE NOTES

Official Publication of the Minnesota Golf Course Superintendents' Association

1999 MGCSA BOARD OF DIRECTORS

Officers

President Tom Fischer, CGCS Edinburgh USA 612/315-8582 • Fax: 612/315-8585 Vice-President . . . E. Paul Eckholm, CGCS Heritage Links GC 612/440-6494 • Fax: 612/440-6496 Secretary Mike Brower Hillcrest CC 651/777-5186 • Fax: 651/777-7463 Treasurer Rob Panuska Waseca Lakeside CC 507/835-2574 • Fax: 507/835-3472 Ex-OfficioJim Nicol, CGCS Hazeltine National GC 612/448-3626 • Fax: 612/448-1726

Directors

* * * * EDITOR

320/327-2929 • Fax: 320/327-2929

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

Eckholm Replaces
Walton As Vice President
Of Our Association



Is it spring or is it summer, the weather can't make up its mind. Lows in the 40s one day and a few days later the highs are in the 80s. With rain about every other day it is hard to complete projects or keep up with the normal maintenance.

* * * *

At the last Board meeting, the Board was informed that Pat Walton could not continue as Vice President of our association. Due to Pat's illness he felt that his treatments would last into the fall and it would be hard to divide his time between his family, job and still do the work of vice president.

The Board members discussed the proper way to replace this position, which led to the appointment of E. Paul Eckholm, CGCS to serve out the term of vice president. The Board voted unanimously to approve the appointment.

Paul, at an earlier Board meeting, had expressed interest in running for Vice President in December, therefore I felt he was the logical choice to replace Pat.

On behalf of the association, I would like to wish Pat a speedy recovery. He did an excellent job on the Board and hopefully would consider running for office when he is well.

The next event will be the Scholarship Scramble on July 12 at Izaty's Golf & Yacht Club. Bring your crew and enjoy the new addition to the golf course.

- Thomas Fischer, CGCS MGCSA President

LAST CHANCE TO SIGN UP FOR THE SCHOLARSHIP SCRAMBLE AT IZATY'S ON MONDAY, JULY 12.

CALL (612) 473-0557 OR 1-800-642-7227 IF YOU WANT TO PLAY.

ALSO...MARK AUGUST 16 ON YOUR CALENDAR FOR THE MGCSA CHAMPIONSHIP AT HERITAGE LINKS GOLF COURSE.

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.

Inside This Issue of Hole Notes

Environmentally Friendly Deacon's Lodge Opens By Ralph Turtinen

9 Decade of '90s Interesting For Scott Schunter By Ralph Turtinen

12 Arnie and Jesse Officially Open Deacon's Lodge By Ralph Turtinen

13 Minikahda Celebrates 100 Years as a Golf Course By Jack Kolb

22 Olson, Krahn, Larson And Femrite Win at Benson By Scott Turtinen

24 Affiliate News from MTI And North Star Turf Supply

25 Hole-by-Hole View of Heritage Links Golf Club By E. Paul Eckholm

Departments

From Your President's Desk By Tom Fischer, CGCS

21 MGCSA Board Minutes
By Michael Brower

24 Membership Report
By Tom Meier

34 Editor's Corner By Steve Shumansky

Advertisers

Century Rain	Aid	١									 													.10
Century Rain	Aid	١									 				 									.29
Classified Ads																			* 1					.32
Country Club	Tu	f.																						BC
Cushman Mot																								
Double Eagle	Gol	f C	ons	sti	ru	ct	io	n																.30
Glenn Rehbeir	1 C	omr	par	ie	28												•							.22
Hartman																								
Hedberg																								
Herfort-Norby																								
Howrey Const																								
Leitner Compa																								
MTI Distribut																								
MTI Distribut																								
MTI Distribut																								
North Star Tu																								
North Star Tu																								
Par Aide																								
Paskvan Cons																								
P&H Warehou																								
P&H Warehou																								
Peterson Seed																								.29
Plaisted Comp																								
Polfus Implem																								
Precision Turf	&	Che	em	ic	al	. 1	n	C.		0.70								Ô						.23
Prinsco																								
Rhone-Poulence																								
Tee Shot Mark																								
Tessman Com																								
Turf Partners																								
Williams & G																								



HARTMAN

Est. 1972

Sports Turf Specialists

 High Tech Drainage Techniques & Design Renovation

Landscaping

• Excavating

& Grading

Jeffrey L. Hartman

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



DEACON'S LODGE is located about one mile north of Breezy Point Resort and 15 miles north of Brainerd. With approximately 4,800 square feet on each floor, it offers a well-appointed lounge, dining area, pro shop, offices and a downstairs area for cart storage.

To get there go seven-tenths of a mile north of the Breezy Point Resort entrance on Highway 4 to Weaver Point Road, turn right and continue to golf course entrance at left.

Environmentally and Player Friendly, Deacon's Lodge Opens for Public Play in Brainerd Lakes Area

Arnold Palmer Course Finished a Month Ahead of Time

By RALPH TURTINEN

Those involved in the design and construction of Deacon's Lodge, the new Arnold Palmer Signature golf course named after his late father, a former Pennsylvania golf superintendent, have good reason to be proud.



DEVELOPER JOHN HANKINSON enjoys successful grand opening of Deacon's Lodge with celebrity guests Jesse Ventura and Arnold Palmer.

Not only did the resulting product take advantage of the spectacular Northwoods beauty on this 499-acre site in Breezy Point, about 15 miles north of Brainerd, but it also provides an appealing 18 holes that are both environmentally and player friendly.

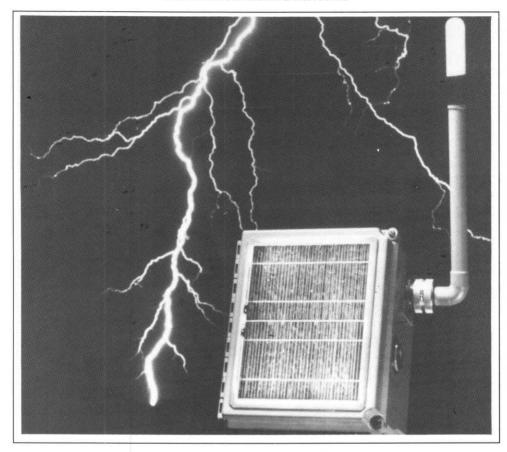
Moreover, the project — developed by Sienna Corp. of Edina — was finished a month ahead of time to become a significant addition to Minnesota's golf image and the Brainerd Lakes well-earned reputation as a destination golf market.

As golf course superintendent, Scott Schunter was responsible for all aspects of the construction process, insuring quality control and assisting in decision-making while working closely with Erik Larsen, project architect for the Arnold Palmer design team, and Peter Loyd, project manager for Sienna Worldgolf, developer of Deacon's Lodge as well as Bearpath in Edina and the Tradition in LaQuinta, Calif.

"The main problem with a project of this size is dealing with the weather," said Schunter. "We had 16 inches of rain in June when we started to seed last year and, as a (Continued on Page 7)



ELECTRICAL STORM IDENTIFICATION DEVICE



Early warning of thunderstorm activity in your area is essential when you need to make critical decisions regarding personnel safety and the isolation of sensitive equipment. The **USGA**, **PGA**, and over 500 individual golf courses rely on **Global Atmospherics Inc.**, manufacturer of **ESID**.

Renowned organizations such as NASA, Seaworld, the National Weather Service, the U.S. Military, American Airlines, MCI and hundreds of customers in over 30 countries worldwide have chosen Global Atmospherics to meet their lightning warning, detection and information needs. This depth of experience is just one of the reasons that led TORO, the leading turf management organization in the world and QPS, manufacturer of the #1 golf course siren system, COURSE ALERT, to select Global Atmospherics to co-develop a product to meet the unique needs of their golfing customers, friends and associates.

That product is **ESID**

When you need . . .

- 100% Thunderstorm Detection Efficiency
- Complete Warning / System Shut-down Automation
- · Zero False Alarms
- · Highly Accurate Range Information
- · Easy Installation
- Low Maintenance
- · Patented State of the Art Technology

... and the confidence of teaming up with the World Leader in lightning detection and location.



Contact: Dean Chaltas at 612-475-2200 ext. 224

14900 - 21st Avenue North, Plymouth, MN 55447

Deacon's Lodge-

(Continued from Page 5)

result, we ended up seeding three fairways four or five times. As a preventive measure, we installed approximately 3,000 hay bales along with silt fence to prevent future major erosions."

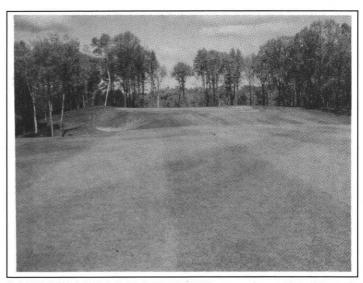
"Things never go as smoothly as you desire, so you have to be patient and do everything you possibly can when the weather is good," he said.

Considering the fact that clearing and grubbing didn't begin until September 23, 1997 and periodic spurts of rainfall periodically slowed the shaping of the course, the first rounds of golf were played by the owners exactly one year after preliminary construction had begun. In addition, the grand opening was conducted on May 31 this year, one month ahead of the original target date, and the course opened for full-time play on June 18.

"Basically, 1998 was a good growing season with the exception of that month of June," said Schunter, "and the Spring of 1999 wasn't so hot either. We had a cold, wet May - a month in which we had more than 11 inches with fairly cool temperatures."

Schunter's previous grow-in experience at Bearpath, as well at Blackwolf Run in Sheboygan, Wis., naturally was helpful at Deacon's Lodge.

"In ways Deacon's Lodge was easier," Schunter said," but in other ways, it was more difficult due to the soil conditions and environment. At Deacon's the soil is basically pure sand to depths of approximately 170 feet, so this made

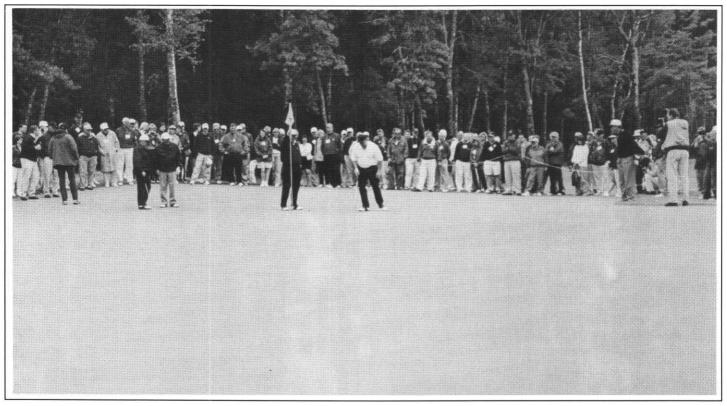


LANDING AREAS OF FAIRWAYS range from 45 to 75 yards in width. Waste bunkers are positioned to collect errant shots and protect balls from rolling into the trees or wetlands.

the construction aspects easier because all we did was clear the trees and brush, then shape the sand. With the drainage of the sand, we were able to shape and install irrigation with little or no delays due to weather.

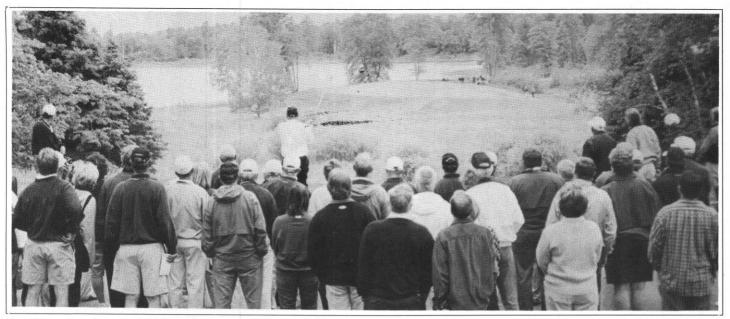
"At the same time, the soil structure made the seeding process more difficult in the fairways and rough because it was much tougher to move around with the tractors and seeders. The most difficult aspect was the two "100-year

(Continued on Page 8)



HUGE GREENS, which average 7,000 square feet, provide plenty of locations for hole placement. Avove, the Grand Opening crowd

watches Gov. Jesse Ventura at right while course designer Arnold Palmer waits his turn to putt.



The attractive par 3 17th offers wetlands as a challenge, scenic water in the background for Gov. Ventura's tee shot.

Deacon's Lodge-

(Continued from Page 7)

events" with the terrain and soil structure. These intense rains caused major washouts and re-seeding three holes up to five times."

The Tessman Company Your Supplier For Growth TESSMAN Par Ex Fertilizer Spring Valley Fertilizer Liquid Growth Products Professional Course Blended Grass Seed Professional Course Blended Grass Seed

800-882-5704 • 651-487-3850 • F 651-487-3115

APPEALING DESIGN

The design of Deacon's Lodge, both for a player and a turf manager, appeals to Schunter for several reasons.

"Playability is enhanced by the fact that the course was built to contain a player's ball in the fairway as well as around the green," Schunter said. "The greens are built to give all levels of players a chance to run the ball onto the green, and the fairways are very generous, from 45 to 75 yards wide in the landing zones, and five sets of tee markers — again, for all levels of players."

From a superintendent's standpoint, proper maintenance is assisted by the use of waste areas to minimize turfed areas, large greens which allow many pin positions, very (Continued on Page 9)



PETER LOYD, project manager for Sienna Corp., developer of Deacon's Lodge, noted with pride that Deacon's Lodge was completed one month ahead of schedule.

Deacon's Lodge-

(Continued from Page 8)

large tee surfaces to help the staff maintain good tees and the large fairways that minimize rough.

With its five sets of tees, Deacon's Lodge plays to 6,964 yards from the King (back) tees to 4,766 from the forward tees, named Winnie after Arnold's wife. In between are Palmer, 6,541 yards; Deacon, 6,067, and Lodge, 5,364. The course ratings and slopes range from 67.6/114 to 73.8/128. Par is 72.

Three natural lakes are on the property and several deep wilderness wetlands are on a 170-foot deep layer of glacial sand. Norway and White Pines, Birch, Oak, Basswood and Aspen are found throughout the terrain which offers a variety of elevation changes that provide panoramic views across the large wetlands and lakes. The property is off the Northwest shore of Big Pelican Lake, approximately midway between Gull Lake and the Whitefish Chain about 145 miles north of the Twin Cities.

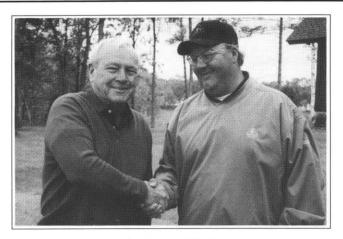
Designed to be environmentally friendly, the golf course does not disturb any wetlands or lakes. Natural elevations were used to minimize earthmoving and to utilize the sand subsurface to create vast natural areas. In addition, care was taken to carry the terrain of the tree lines into the playing area to create a natural flow to the golf course.

By utilizing the entire 499 acres, each hole has its own identity and isolation. The majority of teeing areas are on the elevated ridges, and many of the landing areas are designed with slopes to provide 30 to 40 yards of additional roll. Greens average 7,000 square feet and blend into the existing terrain, many bordering lakes and wetlands with sculptured white, sand-flashed bunkers.

(Continued on Page 11)



PREPARING THE WALKWAY to the front of the clubhouse before the application of asphalt, a workman smooths the path with his front-end loader.



Arnie and Scott

U.S. Open, Working On Nicklaus and Palmer Courses Made Decade Of '90s Interesting For Scott Schunter

The final decade of the 20th Century certainly has provided some interesting experiences for Scott Schunter, 36-year-old golf superintendent at the new Deacon's Lodge course in Breezy Point Township north of Brainerd.

Among them was helping to prepare Hazeltine National for the 1991 U.S. Open in Chaska, getting the opportunity to grow-in Bearpath, a Jack Nicklaus course in Edina, and overseeing all aspects of the construction process at Deacon's Lodge, designed by Arnold Palmer.

Scott began playing the game as a 16-year-old in De Witt, Iowa, where his dad was an avid golfer and had a family membership in a local club. He played both high school and community collge golf, was active in the Future Farmers of America and then earned his Bachelor of Science degree at Iowa State University, a school well-noted for its agronomy program and its emphasis on turf management.

Scott became interested in golf course work "when I was about 20. It was as close as I could get to farming and, at the same time, still be able to make a living."

From 1985 to 1988 he worked as a laborer and did general maintenace work as well as pesticide and fertilizer applications at Cedar Rapids Country Club in Cedar Rapids, Iowa.

In 1989 he became a foreman at Blackwolf Run in Sheboygan, Wis., then was an assistant superintendent from 1990-94 at Hazeltine where he supervised crews and helped prepare the course for the 1991 Open.

The next four years were at Bearpath, the Jack Nicklaus course in Edina, where he assisted in construction of the course and routine maintenance.

Then Scott officially started in March, 1998 at Deacon's Lodge, developed by Sienna Corp. which also developed Bearpath, although he was involved at the Breezy Point course in the fall of 1997 during the clearing and rough shaping as well as irrigation design and decision.



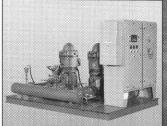
Century offers the complete line of Legacy Golf products to help you control water, labor and energy costs. Featuring Legacy rotors, valves, Genesis central satellite and Viking decoder control systems.



Legacy Golf System



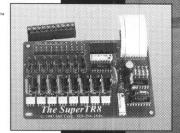
Efficient and economical, SyncroFlo pumping stations are the solution to many golf course irrigation problems.



SyncroFlo Eagle Pumps

BoardTronics

Repair or upgrade your Rain Bird or Toro golf controllers. Replacement boards can be shipped from the Century National Service Center within 24 hours. Call 888-855-9132.



Controller Board Repairs



Improve water quality with an aerating fountain, or create water features from existing golf course streams and ponds.



Aqua Master Fountains

A Successful Season... Starts with Century Golf Course Services

CENTURY RAIN AID

Sprinklers • Valves • Controllers • Pump Stations Controller Board Repairs • Fountains

An inviting, well-maintained course means challenging play...and a profitable season. As a golf superintendent, you can achieve this success with Century Golf Course Services. Century's team of professionals can help you solve irrigation or drainage problems and show you what's new in clubhouse lighting, water features and more. Call today for a free catalog and on-site consultation.

800-347-4272

www.rainaid.com

CENTURY GOLF PROFESSIONALS & MINNESOTA

- > DON CHELMO # 612-509-9290
- > JOHN MARKESTAD = 608-742-0377