

Do faithful old friends -
to cherished new friends -
to those whose friendship
we hope to earn -

*it is a Pleasure to extend Best Wishes
of the Season... may your New Year
be one of Happiness and Prosperity...*

Authorized Factory Dealer Since '49

CUSHMAN MOTOR CO., INC.

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



**CUSHMAN
RANSOMES
RYAN**

Driven to be the best.

**CUSHMAN
TURF-CARE
EQUIPMENT**

HOLE NOTES

Official Publication
of the
Minnesota Golf Course
Superintendents' Association

2000 MGCSA Board of Directors

Officers

President.....E. Paul Eckholm CGCS
Heritage Links GC
612/440-6494 Fax: 612/440-4655
Vice President..Rick Fredericksen, CGCS
Woodhill CC
612/473-5811 Fax: 612/473-0113
Secretary.....Mike Brower
Hillcrest CC
651/777-5186 Fax: 651/777-7463
Treasurer.....Rob Panuska
Waseca Lakeside Club
507/837-5996 Fax: 507/835-3472
Ex- Officio.....Tom Fischer, CGCS
Edinburgh USA
612/315-8582 Fax: 315-8585

Directors

James Bade.....Somerset CC
651/457-1161 Fax: 651/455-2282
Michael Brual.....Faribault G & CC
507/334-8101 Fax: 507/334-9653
Kerry Glader....Plaisted Companies, Inc.
612/441-1100 Fax: 612/441-7782
Jeff Johnson.....The Minikahda Club
612/926-4167 Fax: 612/926-0602
Tom Meier.....Worthington CC
507/376-9250 Fax: 507/372-2597
John Queensland.....Cedar River CC
507/582-3595 Fax: 507/582-3133
Steve Shumansky...Perham Lakeside CC
218/346-6071 Fax: 218/346-6079
Bob Simondet.....Lesco, Inc.
320/327-2929 Fax: 320/327-2929
Richard Traver Jr., CGCS..Monticello CC
612/295-3323

Editor

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: 1-800-642-7227
E-mail: scott@mgcsa.org
Web Site: mgcsa.org



From Your President's Desk

New Board Elected At Annual Meeting



Happy New Year!! I hope that everyone had a happy holiday season. I would like to thank all of you for allowing me to serve as your president. I look forward to the opportunity to have an influence on the association. There are many irons in the fire from the last Board and I am hopeful we will be able to bring some of these items to fruition. I would like to thank the outgoing president Tom Fischer, CGCS, for his service and leadership this past year and hope to follow his example of presidential leadership.

The Annual Conference was a success. There were many great speakers with loads of information to share. I hope everyone was able to take advantage of all of the opportunities to increase your knowledge. Remember that knowledge is power. The preliminary numbers for the conference indicate that attendance is a little above last year, and that the MGCSA continues to have the majority of the attendees.

The new Board was elected at the Annual Meeting. Four new members were elected who have never served before, maybe a shot in the arm for the Board. New ideas about where we should be headed are always welcome and a new perspective on old ideas sometimes leads to great successes. I look forward to working with the new Board for the betterment and growth of the association. My hope is to keep the membership informed on all of the issues facing our group in the most timely manner possible.

On that note I would like to remind everyone that our web site, MGCSA.ORG is now up and running. It will provide the most up-to-date information about the association, Board Meeting highlights, and other job postings the minute we receive them, committee members phone numbers and hundreds of links to other sites. Check it out at least once a month for the latest.

Steve Shumansky and I will be attending an affiliated chapter conference January 12-15 at the Lawrence headquarters building. The MGCSA is one of only 20 chapters invited to attend this conference. We will be discussing how the GCSAA can help us and what resources they have in place that we can take advantage of. Our hope is that we will discover some new ways to do things and increase the value of the association to you the members.

Please remember that the Board of Directors is always here to serve you. If you don't know whom to call, call the association office and Scott will point you in the right direction. If you need to contact me, you can call me anytime at (612) 440-6494 or send me e-mail at epeckholm@msn.com. I look at my mail everyday that I am in town and can access it from home or work so you can be sure that I will read it and respond to you promptly.

Have a great New Year and I hope that all your systems were Y2K compliant.

Respectfully,

*Paul Eckholm, CGCS
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.

Inside This Issue of Hole Notes

Advertisers

Century Rain Aid	10
Classified Ads	26
Country Club Turf	27
Cushman Motor Co.	IFC
DBI	BC
Double Eagle Golf Construction	11
Glenn Rehbein Companies	19
Hartman	4
Herfort-Norby	25
Howrey Construction	21
Hydrologic	8
J.D. Turf	22
Leitner Company	9
MTI Distributing Co.	IBC
MTI Distributing Co.	12
MTI Distributing Co.	16
MTI Distributing Co.	17
North Star Turf Supply	6
Par Aide Products Co.	7
Paskvan Consulting	13
Plaisted Companies	29
Precision Turf & Chemical, Inc.	20
Prinsco	25
Tee Shot Marketing	23
Tessman Company	15
Turf Partners	14
Twin City Seed	24
Williams & Gill	13

- 5 The First Tee**
By Margie Ostlund
- 7 Aerification Produces Healthier Golf Courses**
By James Stammer
- 9 E. Paul Eckholm, CGCS, Elected MGCSA President**
- 11 Putting Doesn't Pollute, Research Finds**
By Steve Tally
- 13 Trans-Miss Aids MGCSA Scholarship Program**
By Ralph Turtinen
- 15 GCSAA Online Report** – GCSAA
- 18 Trans-Miss Nears 100th Birthday** By Ralph Turtinen
- 19 Local Superintendents Will Headline March Seminar**
By Michael Klatte, CGCS
- 20 Safety on the Golf Course: The Proper Perspective**
- 21 2000 MGCSA Board of Directors**
- 22 Motivation Without Crisis** – Anonymous
- 23 Thanks, Guys**
By Mike Nelson

- 3 From Your President's Desk** By E. Paul Eckholm, CGCS
- 28 Membership Reports**
By Tom Meier
and Richard Traver, Jr., CGCS
- 30 Editor's Corner**
By Steve Shumansky

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



THE FIRST TEE

Progresses in Minnesota

By MARGIE OSTLUND
Hennepin Parks

The First Tee was formed by the World Golf Foundation in the fall of 1997. In its first two years it has made great strides in accomplishing its objectives to support the development of 100 new, affordable and accessible golf facilities with a primary emphasis on serving youth up to age 18. The First Tee is managed by an oversight committee including representatives from the PGA Tour, the LPGA, the PGA, Augusta National and the USGA and has a talented marketing and program staff stationed in Ponte Vedra, Florida. Among the many supporting organizations is the Golf Course Superintendents Association of America, which has actively come forward and committed its expertise to The First Tee facilities and programs. The Golf Course Superintendents Association is an important part of The First Tee. Nationally, the GCSAA has committed its membership to the following:

- Donation of quality used golf course equipment
- On-going maintenance and initial grow-in support and counsel
- Creation of environmentally friendly education programs
- Provision of a Best Practices Golf Course Maintenance and Operations Manual to all First Tee Sites

Many other vendors and associations are providing discounted and complimentary services to The First Tee chapters in order to keep the construction and operating costs down so that savings can be passed on to create the affordable golf to encourage youth participation

The Minnesota Amateur Sports Commission has worked to secure some state funding to provide grants for some of the Minnesota projects and is currently seeking additional funding from the legislature to provide grants to other amateur sports projects, including golf facilities not funded in the initial allocation.

A number of communities in Minnesota have been working with The First Tee to set up chapters within their communities. The following is a listing and description of Minnesota projects that are currently in the development or planning stages:

The National Youth Sports Center in Blaine

The National Youth Golf Center (NYGC) will be Minnesota's flagship junior golf facility. The facility will include an 18-hole bent grass green putting course opening in the spring of 2000, an 18-hole events course able to host major junior golf events, a 3-hole learning center with practice range and chip and putt area, and a 9-hole course. All components of the golf facility, with the excep-

tion of the 9-hole course, will open in the year 2002. The Minnesota Amateur Sports Commission has received funding for the project from the State of Minnesota, The First Tee and other contributions. Project contacts are Paul Erickson, Executive Director of the Minnesota Amateur Sports Commission, or Neil Ladd, Golf Programs Administrator at (612) 785-5643.

Hennepin Parks - Eagle Lake Regional Park Golf Center

Hennepin Parks is building a 9-hole executive course, 9-hole lighted pitch and putt course, lighted driving range and practice area. This facility is to be located in Plymouth, Minn., at the intersection of Bass Lake Road (County Rd. 10) and Zachary Lane. The golf course was designed by PGA Tour Design Services. The project will go out to bid in January and commence construction in the spring of 2000. Project contact person is Keith Greeninger, Hennepin Parks Golf Course Superintendent at (612) 473-3369 or Margie Ostlund, Director of Enterprise Operations (612) 559-6746.

City of Hibbing

The City of Hibbing is planning to build a 30-hole golf complex on a 1200-acre site in northern Minnesota. The First Tee component will be a 9-hole short course as well as different practice facilities. The city has selected an architect and hopes to start construction in the spring of 2000. Project contact person is Dale Gaasland, Hibbing Parks and Recreation Department, at (218) 263-8851.

City of Rochester Hawthorne Hills Golf Learning Center

The City of Rochester has built a large-scale driving range, 1,400-sq. ft. practice green, 3-hole learning center and renovated an old schoolhouse that will serve as the clubhouse. The projected opening is in the summer of 2000. Project contact person is Tim Higgins, Rochester Parks and Recreation Department at (507) 281-6160.

Ramsey County Productive Day/First Tee Golf Facility

Ramsey County is looking to build an expanded learning center with pitch and putt areas, driving range, 3-hole learning center and regulation 9-hole course to accommodate youth of all ages. The county will build the facility on 80 acres currently owned by the Ramsey

(Continued on Page 25)

*Be Thankful
Spend Time with Family
Celebrate the Season*



*May the happiness and good cheer of the
Holiday Season be yours throughout the
New Year.*

North Star
Turf Supply
The Power of the Team



Aerification Produces Healthier Golf Courses

Golfers Grumble...But Advise Them of Long-Term Benefits

BY JAMES STAMMER

Sports Columnist, Port St. Lucie News

(Ed. Note: Following is a column written by James Stammer, a sports columnist for the Port St. Lucie News in Florida. It is reprinted by permission from the Stuart News/Port St. Lucie (Fla.) News.)

* * * * *

The time has arrived.

The moment when golfers across our area cause the ears of every greenkeeper and superintendent in town to burn with a fiery glow. Within the next several weeks every course in the area will undergo aerification as courses ready themselves for the busy winter season.

Nearly every golfer, myself included, despises this practice. It always seems that just when the course is at its best, that is the time for major work to be done. We all hate putting on aerified greens and blame the little holes for every missed putt.

When you look at the long-term benefits, however, it's easy to understand why aerification is a necessary long-term evil. Just as any good car owner would change the oil in his or her car to prevent future problems, the golf course superintendent uses aerification as a form of maintenance.

Aerification is an integral part of a successful golf course management plan. The job of every superintendent not only is to make the course look fabulous today, but also tomorrow and down the road.

It's important for everyone to understand how important aerification is to producing healthy turf and a healthy golf course in the future. Aerification achieves three major objectives:

- First, it relieves soil compaction.
- Second, it provides a method for improving soil mixture around the highest part of the grass root system.
- Finally, it reduces or prevents the build-up of thatch.

When golfers by the thousand walk on the greens and drive carts on the fairways, the traffic causes the soil near the surface to compact into a hard layer. Over time, the soil becomes so tightly compacted that water and air have a difficult time penetrating the surface to reach the root system of the grass.

Once this begins to occur, the roots decline, the turf becomes weak and disease and other problems begin to appear. Aerification pulls plugs from the compacted soil, allowing an infusion of life-sustaining water and air to reach the roots and bring about a resurgence of growth.

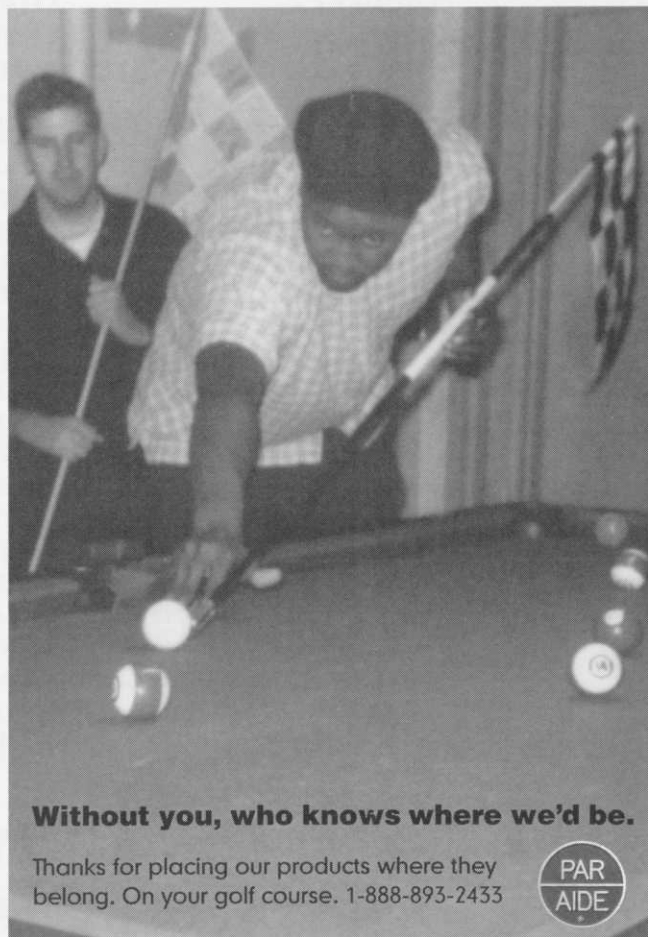
On the greens, the holes are filled with a sandy topdressing that drains well and resists compaction. By introduc-

ing this sandy topdressing periodically, a superintendent improves the green's top layer and helps avoid the expense of rebuilding or renovating the green.

The growth of turf adds to the protective layer of organic material on the surface. This layer, called thatch, is an accumulation of dead grass, leaves, stems and roots. A strong and healthy thatch layer helps the turf recover faster from divots and cart tracks, and it helps prevent the intrusion of insects and disease.

The newest aerification machines use smaller tongs to pull plugs from the greens. These smaller holes help the green to heal faster and allow the superintendent to get a better dispersion of top dressing.

So before you trash your superintendent the next time you see him gassing up the aerification machines, remember that he is only trying to give you the best golf course, now and in the future.



Without you, who knows where we'd be.

Thanks for placing our products where they belong. On your golf course. 1-888-893-2433



HYDROLogic™

Water Management Systems

Thank You 1999 Golf Course Projects

MILACA G.C.	MILACA, MN	DICK BECKER
DELLWOOD HILLS G.C.	DELLWOOD, MN	ERIC PETERSON
INTERLAKEN G.C.	FAIRMONT, MN	BRIAN MOWERY
THE PONDS G.C.	ST. FRANCIS, MN	TIM O'CONNOR
ZUMBRO FALLS G.C.	ZUMBRO FALLS, MN	KEVIN KAUTZ
WHITE EAGLE G.C.	HUDSON, WI	JOHN BICHER
NORTH BRANCH G.C.	NORTH BRANCH, MN	MIKE MCDUGALL
COTTONWOOD C.C.	COTTONWOOD, MN	RICHARD REKEDAL
TANNERS BROOK G.C.	FOREST LAKE, MN	KEVIN CLUNIS
SIREN GLEN G.C.	SIREN, WI	JIM HAMMER
CLOQUET C.C.	CLOQUET, MN	JUD CRIST
THE SUMMIT G.C.	CANNON FALLS, MN	BILL WHITWORTH
THE RIDGES AT SAND CREEK	JORDAN, MN	JIM HOFFMAN
GOLDEN EAGLE G.C.	FIFTY LAKES, MN	LUCIAN GREENINGER
EAGLES LANDING G.C.	FORT RIPLEY, MN	JIM DAHL
BLUFF CREEK G.C.	CHASKA, MN	MIKE COHRS
NEW PRAGUE G.C.	NEW PRAGUE, MN	BOB ADAMS
BUFFALO RUN G.C.	BUFFALO, MN	DAVE DEEM
CLAM RIVER G.C.	SHELL LAKE, WI	JERRY SMITH
NORTHFIELD G.C.	NORTHFIELD, MN	BILL WHITWORTH
COUNTRYSIDE G.C.	MINNEOTA, MN	RANDY OBE
BADLANDS G.C.	ROBERTS, WI	GORDY PERRY
BURL OAKS G.C.	MOUND, MN	TOM NATZEL
ELMWOOD G.C.	SIOUX FALLS, SD	MATT AKERS
BROOKINGS C.C.	BROOKINGS, SD	TEDD EVENS
LAKES REGION G.C.	ARLINGTON, SD	RON COOLEY
DUNES GOLF COMPLEX	FORT PIERRE, SD	CULLEN DICE
LEAD C.C.	LEAD, SD	BOB BURNS
MADISON C.C.	MADISON, SD	BILL STROMBERG
WESTFIELD DEVELOPMENT	OSKALOOSA, IA	JEFF SMITH
ROLLING HILLS G.C.	NORWALK, IA	RON WAUGH
SPENCER MUNICIPAL G.C.	SPENCER, IA	BRIAN MOHR
SUGAR CREEK G.C.	WAUKEE, IA	JERRY ARMSTRONG
DEER RUN G.C.	INDIANOLA, IA	RON STEFFENS

RAIN  **BIRD**®
The World Leader in Golf Course Irrigation

E. Paul Eckholm, CGCS, Elected New President of the MGCSA

E. Paul Eckholm, CGCS, golf course superintendent at Heritage Links Golf Club in Lakeville, Minn., is the new president of the Minnesota Golf Course Superintendents' Association.

Eckholm, who was vice-president last year, was elected at the association's 72nd business meeting December 9th in Minneapolis. He succeeds Thomas Fischer, CGCS, Edinburgh USA, Brooklyn Park, who remains on the Board as an ex-officio member.

Other officers elected were:

Richard Fredericksen, CGCS, Woodhill Country Club, Wayzata, vice-president, and Robert Panuska, Waseca Lakeside Club, Waseca, treasurer.

Michael Brower, Hillcrest Country Club, St. Paul, remains as secretary.

New directors elected were:

James Bade, Somerset Country Club, Mendota Heights;

Michael Brual, Faribault Golf & Country Club, Faribault;

Kerry Glader, Plaisted Companies, Elk River;

Jeff Johnson, The Minikahda Club, Minneapolis, and

Richard Traver, Jr., CGCS, Monticello Country Club, Monticello.

Remaining on the Board are Thomas Meier, Worthington Country Club, Worthington; John Queensland, Cedar River Country Club, Adams; Steve Shumansky, Perham Lakeside Country Club, Perham and Bob Simondet, Lesco, Silver Lake.

James Bade was named chair of the MGCSA's Conference and Education Committee and Shumansky was re-appointed as editor of *Hole Notes*, the association's member magazine.

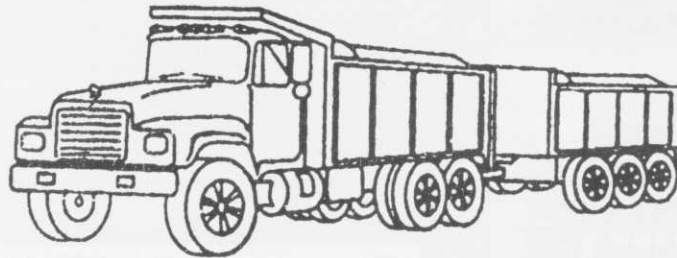
Eckholm will handle association liaison duties. Jerry Murphy, CGCS will be the MGCSA's Voting Delegate. Keith Scott, CGCS, will be the alternate.

Other committee chairpersons named were;

Thomas Meier, Arrangements; Richard Traver, Jr., CGCS, Bylaws/Historical and Membership; Jeff Johnson, Environmental; Michael Brual, Human Resources; Bob Simondet, Industrial Relations; Michael Brower, MTGF; Steve Shumansky, Public Relations; Richard Fredericksen, CGCS, Research, and John Queensland, Scholarship.

Twelve members also were honored with Service Plaques at the MGCSA's Business Meeting. They were:

Thomas Stelter, Highland 9-hole Golf Course; Larry
(Continued on Page 24)



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 year.

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

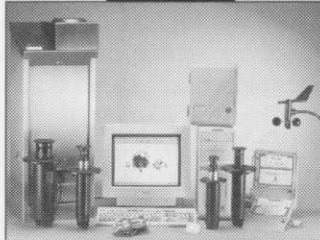
(651) 291-2655

PROUD SUPPORTER OF RESEARCH AND EDUCATION THROUGH THE MGCSA

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



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.

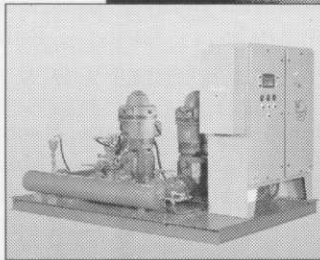


Legacy Golf System



SyncroFlo, Inc.

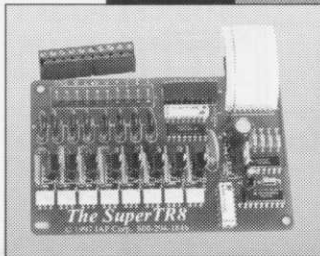
Efficient and economical, SyncroFlo pumping stations are the solution to many golf course irrigation problems.



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

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