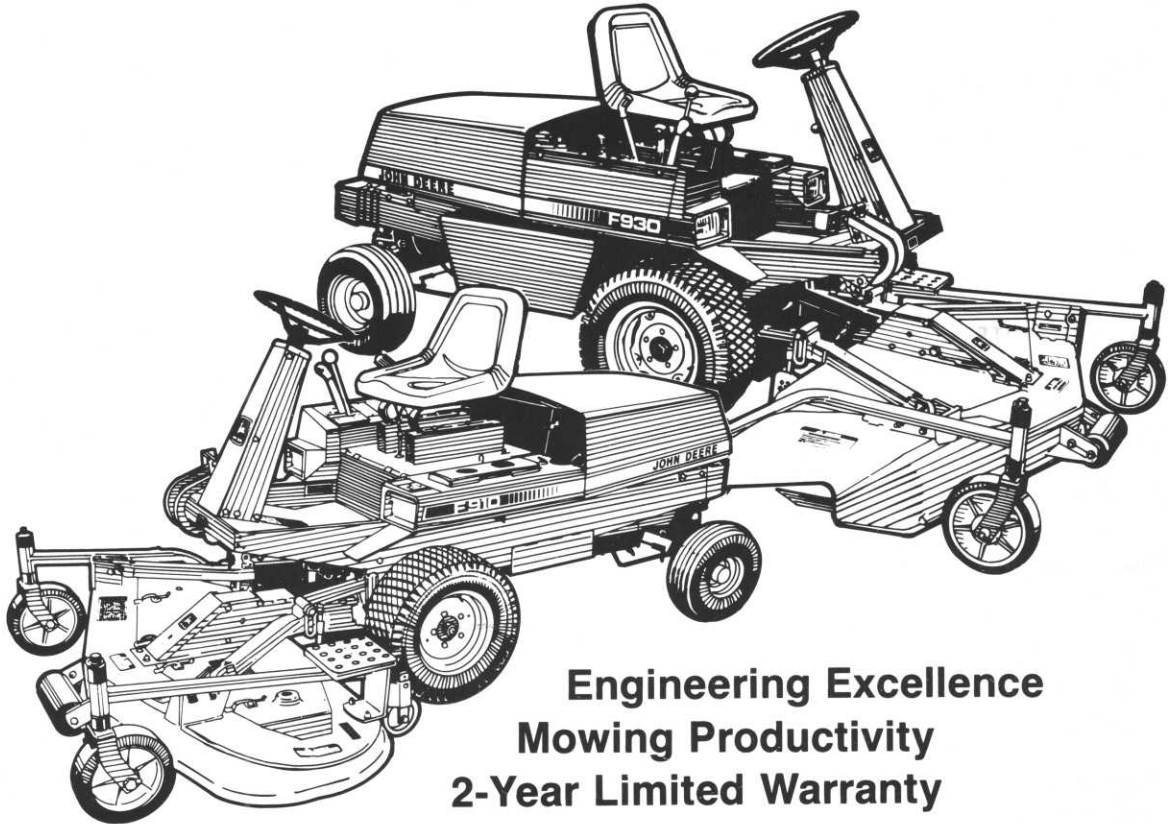


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NEW GOLF TOURNAMENT

John Deere recently announced an agreement with the PGA of America to sponsor a Regional and National Pro/Superintendent Golf Championship. Watch for future details

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HOLE NOTES

OFFICIAL PUBLICATION OF THE MINNESOTA
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FROM THE PRESIDENT'S DESK

DOUG MAHAL

By now you've all noticed our new HOLE NOTES masthead design. It was the opinion of many members to once again include the MGCSA logo on the front cover. The change was discussed and approved in January and now resembles the design of several years ago. We hope you approve.

It's a rare occasion when the game of golf can be played in Minnesota during the months of January and February. It was a fact this year. In my tenure with Minnesota winters, I can't recall one quite so mild. There were some early concerns about possible turf desiccation and damage but, to date, I'm not aware of any devastation. We're not out of the woods yet but we've gotten through January and February with healthy crown tissue. A mild, open winter also allows for outdoor course work which is generally not possible. Superintendents who have taken advantage of that will have a head start on course prep in the spring.

During our January meeting at Woodhill Country Club, I announced the resignation of Director Chris Hague from our Board of Governors and the appointment of Scott Ainsworth as his replacement. I now find it necessary to make yet another appointment. Scott Ainsworth has decided to resign as superintendent of River Falls Golf Club and as Director of MGCSA. He'll be pursuing other professional avenues and on behalf of MGCSA, I'd like to wish him all the best in his new adventure and say thanks for his contribution to our association and the turf industry over the past couple decades. This current board vacancy will be filled by Mr. Tom McCann, superintendent of Daytona Golf Club in Dayton. Tom comes with good credentials and, in my opinion, will be a great asset to MGCSA. He will become new co-chairman of the Arrangements Committee with Brad Klein assuming the responsibilities as new Membership Chairman. Continued on Page 10

AN ARCHITECT, TO HIRE OR NOT TO HIRE

by STEVE SCHUMACHER
Golf Course Superintendent
Hastings Country Club

That was the big question I was asking myself after three years of changing board members, presidents, and the same tee three times. My answer was YES.

At first I thought this was only possible for clubs with unlimited budgets. However, after thinking about it, with our total budget around \$130,000, we can't afford to waste any money on doing projects wrong.

The first thing I did was to get support from my greens committee. This was not difficult because this committee has become more aggressive toward the board in trying to convince them to spend money on improvements for the golf course instead of the club house.

I started collecting data on past projects that were done wrong and without any direction or thought. Among those projects were the tee mentioned earlier and two greens that have been rebuilt in the past ten years. One of which has been rebuilt twice and the other in need of rebuilding again.

The greens chairman and I went to the next board meeting with this data and a proposal to hire an architect. The board was very negative because of past experience. They were told an architect had designed the past greens construction. I reminded the board of the conditions of the greens now. Then I went on to explain how poorly they were built and designed by the so-called architect. Then I explained what materials should be used and the cost to construct a new green to USGA standards. I went on to explain that I am qualified to construct a green correctly; however, I am not qualified to design a green and a golf course. This is why I feel we need to hire a qualified architect to set up a long range plan.

The board decided to hire an architect so

a twenty year plan could be put together to design the golf course.

A search committee met and hired an architect without my knowledge. I feel a superintendent should be involved in this selection to set a precedent in the future.

The board assigned the greens committee to work with the architect and bring all proposals to the next board meeting. I think it is imperative that all board members understand the assignment of a committee to work directly with the architect and that no decisions would be made without proposals being approved by the board members. In my case, some board members felt insulted that they were not personally involved in the initial visit of the architect with the greens committee.

The architect's first visit consisted of reviewing the entire course hole by hole. He wanted our opinion on which holes were in need of new construction first. The architect needed a topography map and an aerial photo in order to design an overall plan. If you do not have these, check with the city or county or private developers because these can be costly to have made up yourself.

The architect submitted two plans to the board: Plan A, a twenty year plan, and Plan B, which consisted of selling lots and reconstructing a large portion of the golf course as well as generating extra income. They decided to go with Plan B. I feel this information should not go further than the board meeting until a letter has been devised and sent to the membership detailing the plan and the board's decision. However, in my case, the plan was discussed before letters were sent out resulting in misinformation and mass chaos among the members. As a result the plan was shot down before it ever got off the ground and our membership was split. The greens committee and my own credibility were severely damaged.

This was last fall. Over the past summer we have regained our credibility with many successful projects and the condition of the course. As a result we have constructed a new green and pond with the plan of an architect. We are now

Continued on Page 5

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ARCHITECT from Page 3

following Plan A for our long range program.

After all the problems I have experienced in hiring an architect, I still feel personally it is in the best interest of the golf course as well as the superintendent to have a long range plan to follow, instead of year to year changes with new board members.

I hope my experience will help you if you are considering hiring an architect.

NEW TOURNAMENT

Golf course superintendents are pleased to be involved with PGA professionals, managers and presidents of the nation's country clubs in a national golf championship recently created by the John Deere Company.

The announcement was made by Riley L. Stottern, CGCS, president of the 7,000 member Golf Course Superintendents Association of America (GCSAA), with

headquarters in Lawrence, Kansas.

The event, the John Deere/PGA Professional-Superintendent Championship, will feature four-man teams competing in a scramble format at the 41 PGA Sections throughout the country.

Qualifying is scheduled between June and September, with the 36-hole Championship in November. The date and site will be announced later. Teams will be made up of the PGA Professional, the club's course superintendent, club president and club manager.

"It is gratifying and fitting", observed Stottern, "that superintendents are recognized as among the most important people in the game of golf. It is they who make and keep our nation's golf courses playable. Many superintendents play golf frequently not only because they enjoy the game and are good, but also because they know it is the best way to understand how to keep their courses in the best possible playing condition.

"GCSAA thanks John Deere for its

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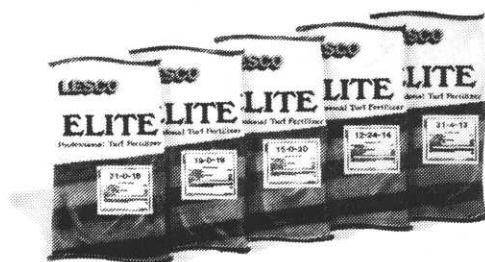
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development of the tournament. Our members are looking forward with great enthusiasm to playing in it with the PGA professionals, club presidents and managers, who also are so essential to the game and industry."

Gary Gottschalk, manager of John Deere's Golf and Turf Division, said the firm is "excited about the concept. This program provides an opportunity for the club professional and club superintendent to play together on a team with other club officials. I am not aware of any other competition like it."

GOLF COURSE INSPECTION FORMS

by DALE WYSOCKI
Grounds Superintendent
Faribault Golf and Country Club

Golf course personnel make a great many trips around the golf course grounds on a

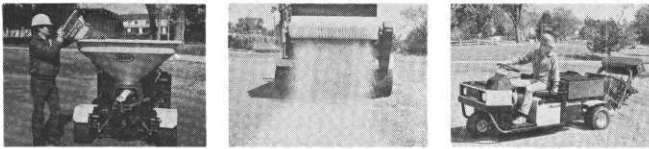
daily basis. Each and every time around the course something different is noticed - whether it be a patch of weeds, disease on a green, gopher damage or some trim work that needs to be done. Since a golf course is such a diverse blend of trees, turf and hazards, both natural and created, obtaining a uniform, practical picture of the overall condition of the course is often a formidable task.

At the Faribault Golf and Country Club, a golf course inspection form was designed to aid in observing and recording the needs of the course per each given hole. The form provides a much desired consistency in helping to determine the needed improvements on the course. And as the members and the chairman of the greens committee change, the form provides flexibility in adjusting to the changing priorities.

The form also provides a general picture of the overall needs of the golf course,

Continued on Page 7

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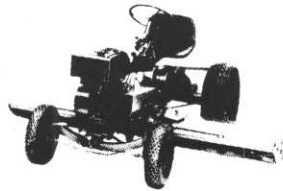
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INSPECTION from Page 6

making budgeting for the coming year more workable. Planning improvements for the coming year and any "surprise" projects can be seen in more realistic and practicable terms with the aid of these forms.

Upon completion of the "tour" of the golf course with the greens committee, the necessary projects are worked into the daily maintenance schedule. In addition, at the end of the golf season, the grounds superintendent and the greens committee chairman analyze each hole - recording observation on each hole from tee to the green - including the fairway, the rough, trees, shrubs, bunkers, ponds, and any other features on a given hole. The next phase is writing down everything that was

done to remedy each area in need of improvement.

Once the entire project is compiled, the findings are presented to the Board of Governors in December, and then to the general membership at the annual meeting. The findings are presented in a positive manner, in order to attract the interest and attention of the members who are starting to think about the upcoming golf season. Any other comments or suggestions are solicited.

In sum, we feel that the forms provide a uniformity and consistency to the operations of the grounds department of the Faribault Golf and Country Club, and in doing so are a valuable asset.

GOLF COURSE INSPECTION FORM GENERAL OBSERVATIONS

TEE AREA

- General Condition
- Landscaping
- Irrigation
- Winter Treatment
- Other

FAIRWAY

- General Condition
- Width
- Irrigation System
- 150 Yard Markers
- Fertilization
- Herbicide
- Aeration
- Other

ROUGHS

- General Condition
- O. B. Markers
- Herbicide
- Other

TREES

- Replacement
- Pruning
- Stumps
- Tree Wells
- Other

SAND TRAPS

- General Condition
- Edging
- Consistency

ADJACENT AREAS

- General Condition
- Other

SHRUBBERY

- General Condition
- Placement
- Other

PONDS & WATER HAZARDS

- General Condition
- Aquatic Problems
- Herbicides
- Animals
- Other

BRIDGES

- General Condition
- Approaches
- Exits
- Other

NURSERIES

- General Condition
- Bent Grass
- Sod
- Other

GREENS

- General Condition
- Height of Cut
- Fertilization
- Aeration
- Verticuts
- Winter Treatment
- Other

EQUIPMENT STORAGE AREA

CLUBHOUSE, PRACTICE GREEN & PARKING LOT AREA

INTRODUCING THE NEW TORO GREENS AERATOR

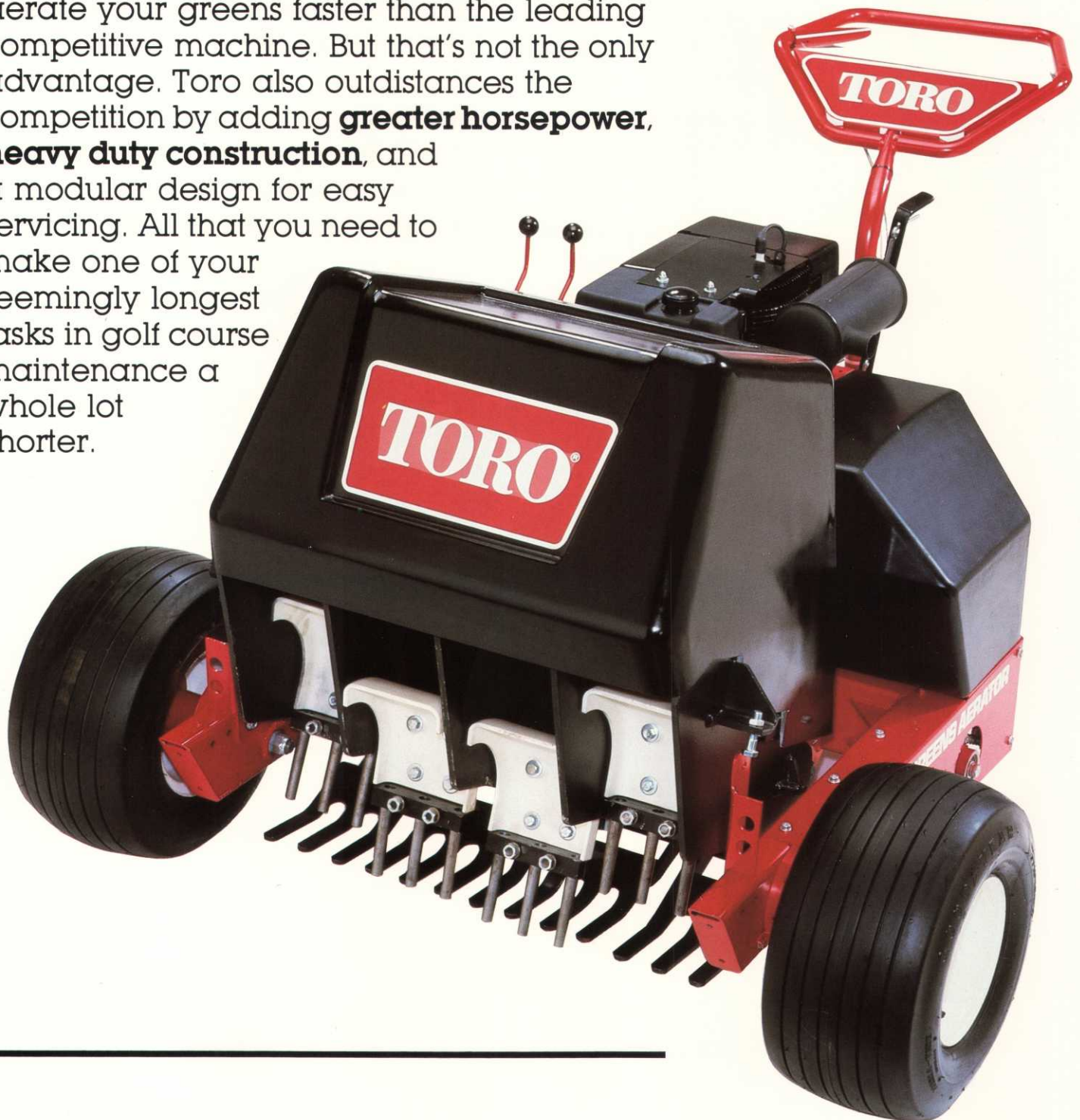


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Toro's new Greens Aerator can help you aerate your greens faster than the leading competitive machine. But that's not the only advantage. Toro also outdistances the competition by adding **greater horsepower**, **heavy duty construction**, and a modular design for easy servicing. All that you need to make one of your seemingly longest tasks in golf course maintenance a whole lot shorter.

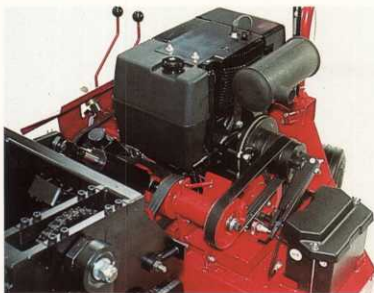


1 Up to 13,000 square feet per hour.



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.

2 Greater power.



A powerful 16hp 4-cycle Kohler engine is the reason here. Twice the horsepower of the leading competitor. And that gives you the power to handle all turf conditions with less effort.

3 Better, more uniform penetration.



Not only does Toro give you more power, it gives you a deeper, more effective coring depth. And when you consistently get a good core and a clean hole that means effective aeration.

4 Quick tine change.

Again, another Toro design with the user in mind gives you an advantage in speed. This design makes it easy to remove and replace tines in less than five minutes with an ordinary socket wrench. (See inset in feature 3.)

5 Easy operation.



It begins with a turn of the key. No pulling or tugging on ropes. Throttle, choke, brake and clutch controls are within easy reach of the operator. As is a hydraulic-lift lever for the coring unit.

6 Minimizes compaction.



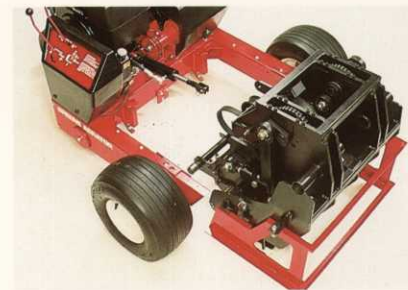
Larger floatation tires not only minimize compaction, they also make the machine easy to control.

7 Puts you in control.



Only Toro gives you a reverse gear for increased maneuverability, and an interlock system designed to stop the engine if the operator lets go of the handle while the clutch is engaged.

8 Easy servicing.



Here's where Toro's exclusive modular design really shines. Because there are fewer moving parts to deal with, breakdowns are minimized. When there's a need for maintenance, the entire coring head can be removed easily. And like the tines, it takes just minutes.

9 Accessories.



Toro Greens Aerator accessories include a Windrower for easier core gathering, a Coring Head Stand, and a Tire Scraper Kit.

Put it all together and you can see just what kind of advantage the Toro Greens Aerator can give you. For speed, durability and performance, only one name will be dotting the landscape: **Toro**.

Before you look at another aerator, contact your local Toro distributor for more information.

Greens Aerator Specifications*

GREENS AERATOR (MODEL NO. 09100)	
ENGINE	Kohler, 4 cycle, air cooled, 16 hp @ 3600 rpm, 35.90 cu. in. (588 cc) displacement. Electric start. Heavy duty cast iron block. Stellite® intake and exhaust valve and rotator. Mechanical fuel pump, large capacity dual element air cleaner. 4 pint oil capacity. Electronic ignition.
ELECTRICAL	12 volt battery, 32 amp-hour. 15 amp alternator. Ignition switch with interlocks on control handle and clutch.
FUEL CAPACITY	1.8 gallons gasoline.
TRACTION DRIVE	Double banded V-belt from mechanical clutch on engine to Peerless Model 2360 transaxle. Two speeds forward — 1 reverse. Wheels driven individually by chains from transaxle.
GROUND SPEED	1st Gear Forward: 1.1 mph @ 3600 rpm (coring). 2nd Gear Forward: 3.3 mph @ 3600 rpm (transport). Reverse: 1.3 mph @ 1200 rpm.
GROUND CLEARANCE	4 inches.
TIRES/WHEELS/PRESSURES	Two steering tires (front): 13x5.0-6, 2 ply, Rib Tread tubeless. Two drive tires (rear): 18x9.50-8, 4 ply, Rib Terra tubeless. Drop center demountable rims, greaseable tapered roller bearings, 8-10 psi.
FRAME	Welded steel construction — tricycle.
SERVICE BRAKE	Disc type mounted to transaxle.
CONTROLS	Clutch, hydraulic lift, and keyswitch on control console. Throttle and choke on engine. Transaxle shift on frame. Interlock switches and service brake on steering handle.
IMPLEMENT DRIVE	Triple banded V-belts from engine to countershaft and from countershaft to coring head.
DIMENSIONS	Length: 79 inches Width: 55.5 inches Height: 39 inches Wheelbase: 44 inches Weight: 1275 pounds
CORING UNIT	
CONSTRUCTION	Welded steel frame construction with four crankshafts mounted in precision ball bearings. Crankshafts drive four coring arms/tine heads. Unit designed such that coring head is easily removed from traction unit.
DRIVE	No. 50 0-ring chain from countershaft to coring crankshafts.
LIFT	Single hydraulic cylinder powered by a Saginaw pump. Lift valve actuated by lift control lever.
TINE HEADS	4 individual heads each holding three tines. Discharge chutes direct cores rearward away from drive components.
CORING WIDTH	27 inches.
HOLE PATTERN	2.25" x 2.5".
PRODUCTIVITY	Aerates up to 13,000 sq. ft. per hour.
CORING DEPTH	Up to 3.0 inches.
TINES	Case hardened tubing, hollow tapered design. 5/8" tines standard.
ACCESSORIES	
TINES	5/8" Tines, P/N 59-3670; 1/2" Tines, P/N 59-3680; 3/8" Tines, P/N 59-3690; 5/8" Long Wear Tines P/N 59-9770; 1/2" Long Wear Tines P/N 59-9760.
WINDROWER	Model 09150; diverts debris into a row for easy removal.
CORING HEAD STAND	Model 09152; supports coring head during servicing.
TIRE SCRAPERS	Model 09151; removes accumulation of soil from drive wheels.

*Specifications and design subject to change without notice. "Toro" is a registered trademark of The Toro Company, 8111 Lyndale Avenue South, Minneapolis, Minnesota 55420.

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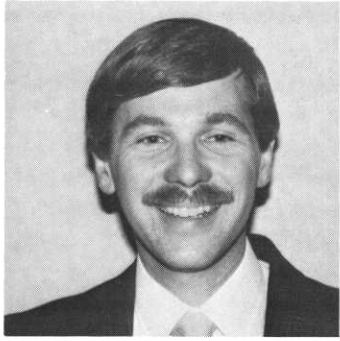


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EDITOR'S CORNER

TOM FISCHER

During January someone said it must be spring as the grass was turning green on the banks facing to the south. With very little snow in the Twin Cities area and above normal temperatures, Mother Nature is trying to fool us into thinking spring is here.

One consolation to this mild weather is that many winter projects are being completed without the frostbitten fingers and toes that can accompany winter work. In our case, six holes on the back nine were cleared of brush, stumps and weeds and the trees trimmed; all which could not have been done with a foot of snow on the ground.

The January meeting was held at Woodhill Country Club. With the exception of intermittent patches of snow on the golf course, one felt the urge to break out the clubs and play a round of golf. The temperature was in the high forties with a warm breeze and clear sky. Now back to reality. Fun was had by all in playing platform tennis and ice hockey.

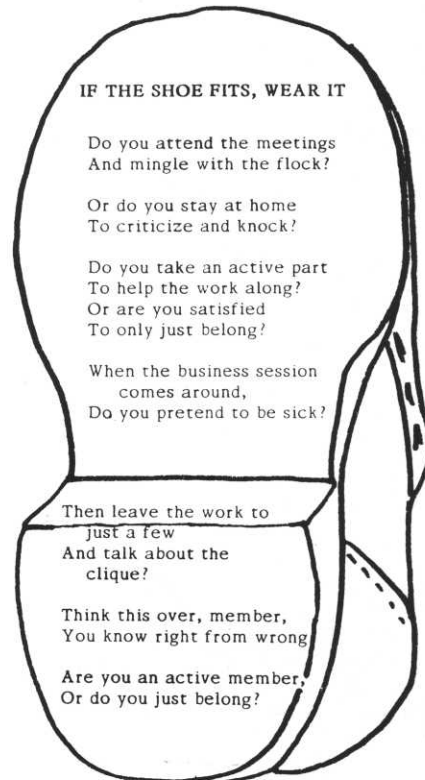
We would like to thank Mike Redmond for donating the refreshment which was appreciated by all. A special thank you goes to George Jennrich and staff for hosting our January meeting which was well attended. Approximately 70 people were present for the meeting and lunch.

The GCSAA Turf Conference and Show is history for another year. The sunny climate attracted over 12,000 superintendents and distributors from various parts of the globe for a week of education and camaraderie. The trade show seems to grow each year and 1987 was no exception with many new companies getting into the mower market. Buying mowers used to be a relatively easy decision with only a handful of companies producing quality golf course equipment. Today, we have

numerous options and variables to consider in purchasing a mower for golf course care.

At this year's conference, the HOLE NOTES was honored with an Editor of the Year Plaque. We wish to thank Warren Rebholz, Randy Nelson and all those who wrote articles for their efforts and talent in making your newsletter one of the best in the country. To keep us number one, we require the help of our members in producing quality material. This year I have set up a committee to help in contacting people for writing articles. The committee consists of Richard Dicks, Scott Liestman and myself. We are in need of articles for upcoming issues and would appreciate your support. You may write on any subject related to the golf course (examples are history of the course, new ideas in turf care, any special tool you may have adapted to your equipment, techniques used in spraying, fertilizing, changing cups, etc.). A plaque is given to each person writing an article for the HOLE NOTES. Feel free to contact Richard, Scott or myself if you have any questions regarding an article for the HOLE NOTES.

We will see you next March 9 at Majestic Oaks for the Mini-Seminar.



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PRESIDENT'S DESK from Page 2

I think all that attended had a very enjoyable day at Woodhill Country Club, site of our January monthly meeting. Several displayed their skills on the platform tennis court for the first time and those that got into the hockey game reported nothing more than an occasional "high-stick" of "slashing" penalty. Thanks and congratulations to George and the staff at Woodhill for a great facility and a superb lunch they prepared for us.

A record number of participants (approx. 13,000) attended the 58th International Golf Course Conference and Show in Phoenix, January 31-February 2. Phoenix offered beautiful weather conditions and convention facilities. Seven superintendents of the Minnesota delegation arrived in Tucson prior to the convention for the annual GCSAA golf tournament. Though none of the seven broke any course records, they saw some interesting and challenging desert golf courses. The second annual MGCSA Hospitality Nite was held at the Hyatt Regency-Phoenix and was well supported and appreciated by both the superintendents, their guests and by

several generous MGCSA associate sponsors who made the evening possible.

While at the convention, treasurer Keith Scott and myself had the pleasure of presenting \$2,000 to the GCSAA S&R Fund, on behalf of MGCSA. We requested that these funds be dedicated to the USGA/GCSAA Capital Research Project. Be advised that our MGCSA donation was extremely appreciated by both the GCSAA and USGA and will be used to continue some very valuable research.

Plan to attend our annual March Mini-Seminar at Majestic Oaks on the 9th. Your conference and education committee has a good line-up of speakers for the day. Look for the mailing and send it back as soon as possible.

I wish you all a smooth start to your 1987 golf season.



I

n 1954 George Ostler injured his back while handling 100-pound bags of fertilizer. Thus, he was unable to eject the plug from the cup cutter.

George developed a lever action ejector which he could operate without pain to his back. Joe Garske, a member of Midland Hills where George was employed, noted the utility value of the lever action.

With George's permission, Joe Garske put the lever action cup cutter into his "Par Aide" line of accessory equipment. Turf Supply Company would like to pay tribute to George Ostler for being an innovator in the Golf course maintenance industry.



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