

# THE NEW HF-5

## COMPACT IN SIZE, BUT VERY BIG IN PERFORMANCE



HERE IS J A C O B S E N ' S N E W H F - 5 . . . A COMPACT HYDRAULIC MOWING TRACTOR THAT'S THE FIRST MACHINE IN ITS CLASS WITH DIESEL POWER. THIS HF-5 RIDING REEL MOWER FEATURES THE 33 HP VOLKSWAGEN DIESEL ENGINE WHICH IS 30 PER CENT MORE FUEL EFFICIENT THAN A COMPARABLE GAS UNIT, AS WELL AS THE MANY ADVANTAGES OF HYDRAULICALLY DRIVEN REELS. HYDRAULICS ARE ALSO USED FOR POWER STEERING, RAISING AND LOWERING REELS AND THE TRANSMISSION IS A HYDROSTATIC UNIT WITH FORWARD AND REVERSE CONTROLLED BY SINGLE FOOT-PEDAL. THIS IS ONLY THE BEGINNING . . . . .

W E ' D L I K E T O T E L L Y O U T H E R E S T



612 - 484 - 8411

3711 LEXINGTON AVE NO. ST. PAUL, MN. 55112

# HOLE NOTES

Official publication of the MINNESOTA GOLF COURSE SUPERINTENDENTS' ASSOCIATION.

EDITOR: WARREN J. REBHOLZ  
6550 YORK AVENUE SOUTH  
SUITE 402  
EDINA, MINNESOTA 55435-2383  
PHONE: 612/927-4643

ASSOCIATE EDITOR: THOMAS P. MAGNE

EDITORIAL COMMITTEE CHAIRMAN:  
IRWIN FULLER, JR.

M.G.C.S.A. BOARD OF DIRECTORS FOR 1983

## OFFICERS

PRESIDENT: JOHN NYLUND  
VICE-PRESIDENT: DONAVAN LINDBLAD  
SECRETARY: DALE CALDWELL  
TREASURER: STEVEN YOUNG  
EX-OFFICIO: LARRY MUELLER

## DIRECTORS

RUSSELL ADAMS KERRY GLADER  
LEIF ERICKSON MARK SMITH  
IRWIN FULLER, JR. JAMES WODASH

THE FOLLOWING IS A LIST OF OFFICE TELEPHONE NUMBERS FOR THE ENTIRE BOARD: AREA CODE 612.

JOHN NYLUND.....941-5117  
DONAVAN LINDBLAD.....755-2140  
DALE CALDWELL.....646-7125  
STEVEN YOUNG.....473-7418  
LARRY MUELLER.....944-8723  
RUSSELL ADAMS.....373-1647  
LEIF ERICKSON.....507/437-6961  
IRWIN FULLER, JR.....507/388-2546  
KERRY GLADER.....253-5250  
MARK SMITH.....544-4474  
JAMES WODASH.....235-8233

## **WANTED - USED EQUIPMENT**

Jacobsen or Toro Hand Green Mowers  
Toro Parkmaster Fairway Mower - Any age.  
Toro, Worthington, Ford, Massey Ferguson  
Tractor - Gang Mower for rough cutting  
Other equipment useful in starting a new  
golf course. TO RENT: One greens mix  
shredder.

Now in construction - Woodmore Golf Course,  
Woodbury, Minn. Contact Norb Anderson or  
Secretary Nancy - 612/646-3500



## FROM THE PRESIDENT'S DESK

**JOHN NYLUND**

As I write my first President's Message, I can't help but feel very proud to be President of the Minnesota Golf Course Superintendents' Association. I have had the opportunity to meet many of the members and feel fortunate to have the capable and hard working Board of Directors now in office.

Our Association is now approximately 380 members strong. There is without a doubt a lot of talent in our Association. Many ideas and suggestions go unmentioned. I would like to make a plea to members to get involved. Do you have a suggestion for our Research Committee? Possibly ideas for our Annual Conference or monthly meetings. These are just a few possibilities where your input would be helpful.

I feel our past Annual Conference was very informative and helpful to many members. My congratulations to Dale Caldwell and Boots Fuller for a job well done. I personally received many favorable comments and was very encouraged by members' interest in serving on next year's Conference Committee.

Next month is G.C.S.A.A.'s Annual Conference in Atlanta. We hope to see everyone there.

Our March meeting will be a U.S.G.A. Seminar. This meeting is very valuable to superintendents, club officials, pros and everyone involved in golf.

I would like to wish all a very productive 1983 and look forward to working with the Association in the coming year.



# TURF CONFERENCE WRAP UP.

DALE CALDWELL, CONFERENCE CHAIRMAN

The 55th Minnesota Golf Course Superintendents' Association's Annual Turf Conference held at the Sheraton Inn-Northwest December 1, 2 and 3 is now history. Each year this event becomes bigger and more popular. Registration on Wednesday afternoon was 232, Thursday's attendance was 284 and Friday's attendance was 257. The attendance averaged nearly 50 more per day this year over last year's conference. The Conference Committee would like to thank everyone of you who attended and we hope that each and everyone came away with something of value which you can utilize in the future.

The Bull Session on Thursday afternoon was bigger this year as well, with ten more tables set up for display; 27 this year as opposed to 17 last year. We would like to take this opportunity to thank our Associate Members who set up displays as well as the Associates who so capably manned the registration table.

The conference was enjoyed by many simply as a place to renew past acquaintances with others in our profession whom we haven't seen in the past year and to make friends with new members who have joined our association in the past year. Much was learned in sharing knowledge and experiences through socializing between and after the educational sessions.

This conference was a huge success and we have every reason to expect the succeeding conferences to enjoy equal success. The education received gets better each year. We can thank the dedicated individuals of our association for taking the time and expending the energy it takes to arrange this event. In order to continue to improve, the input by you, the members of this association, is very much appreciated. We welcome any suggestions you may have on how we can improve or change this conference. Please feel free to approach James Wodash or Leif Erickson, your 1983 Conference and Education Co-Chairmen, with your suggestions and ideas.



CONGRATULATIONS. Dale Caldwell, MGCSA Conference Chairman expresses appreciation to Dr. Joe Vargas of Michigan State University for his two great presentations that had the room as quiet as a tomb or roaring with laughter. It isn't easy to make fungicides funny!



RECORD CROWDS. A typical Educational Session saw the conference room totally filled with eager superintendents. Note taking was in order and excellent questions provoked many fine discussions. Can we top this in 1983?





**JOHN AND ZON.** New M.G.C.S.A. President John Nylund, left, and U.S.G.A. Green Section North Central Regional Director and Agronomist Par Excellence Stan Zontek check over schedule of conference activities. Stan addressed the conference on "New Innovations in Maintenance for 1983".



**SPIRITUAL LEADERS.** M.G.C.S.A. member Ron Steffenhagen, left, organized the fine prayer breakfast that started Thursday morning off on a very fine basis. Wes Hamilton, rear, Offensive Guard of the Minnesota Vikings was the principal speaker and Bill Greenwood, front, a fine composer of original religious songs provided the music and inspiration.

**Keep  
this card  
handy.  
It could  
save you  
time  
and  
money.**



# People Preparing for Change: The "First Birds Off the Wire"

by Linda Schroeder

*Society comments: The following three features all focus on people preparing for change.*

*As we begin to understand the complexities of water-related issues, our perception of water will have to change, and our use of water will have to change.*

*But change comes slowly. Most of us are waiting for*

*motivation, for someone else to make the first move.*

*We needn't wait any longer.*

*The first birds are off the wire, and the first moves are being made. Three of these "early birds" are the Garden Club of America, the Girl Scouts of the USA and the Allied Associations of Golf.*

And here's what golf is doing

to become part of the solution.....



Golf courses are an important part of maintaining one of nature's most precious and limited resources, water, while at the same time improving the quality of life for the millions of people who play regularly.

Golf courses and other green areas play a vital role in the water cycle. Turfgrass serves as a filter which removes impurities that would otherwise find their way into our rapidly dwindling groundwater supplies. It can also purify recycled water from factories and sewage treatment facilities and return it to underground aquifers.

*Golf courses recycle water.* The logo is only the first step, but it's a highly visible one that should bring the point home to golfers and non-golfers alike: Golf is one of the good guys.

It's a beautiful morning. Sunny. A slight breeze. A little cool. After a perfect tee shot, the green is within easy reach. You choose the correct club, stand over the little white (or orange) ball and execute a perfect swing . . . which ends up a not-so-perfect slice into the sandtrap, or perhaps into the only water puddle in sight for miles.

What do you do? You smile weakly as you mutter to yourself: "Golf builds character. Golf builds character."

Never has that statement been truer than now. But what is at stake is not merely a whole sleeve of new balls in the pond or another three-putt on the scorecard. What is at stake is golf: the future of the industry and the future of the game.

## Will There Be Leftovers?

Golf, the character-builder, is itself being put to a most severe test. By what? By water. Or, more precisely, by the lack of water. People need water to survive. So does golf. People and their needs will come first on the priority list for use of limited freshwater supplies. Golf will get whatever's left over, if anything.

There are 12,000 golf courses in the United States today: many of them lush, green, freshly watered, freshly mowed courses. They all use water, some of them a great deal of it, and almost all of them use freshwater: pure, drinkable, potable water. That's where the change must take place.

As more and more parts of the country have less and less water, and as more and more water supplies suffer from decreasing quality, drinkable water for everyone becomes a concern. All of a sudden drinkable freshwater can't be "wasted" for such "apparently unnecessary, recreational purposes" as golf.

Walter J. Wilkie, president of Wilkie Turf Equipment Company in Pontiac, Michigan, explains the extent of the dilemma: "If the continued shortages of water persist, golf will be one of the first things to do without water. For in the end, only after all other needs are met and provided for, will there be enough water to keep our fairways green — and to ensure the survival of golf . . . For it's not a question of how much water will cost. Rather, the real question is: Will there be enough water for us to buy?"

Wilkie's concern is echoed by Edwin B. Seay, vice president and director of design of Palmer Course Design Company of Jacksonville Beach, Florida: "It's a known fact that when the water restriction monster rears its head, golf courses are the first thing on his list."

To survive as an industry and as a game through the water crisis of the '80s, golf must change. The alternative is to resist, to fight, to lobby and to watch as one day soon the "water restriction monster" turns off the spigots for good.

continued on Page 7

## MEMBERSHIP REPORT

At the Annual Conference General Membership Meeting held on December 1, 1982 at the Sheraton Inn Northwest there was considerable activity as thirteen new members were accepted and nine members were reclassified. The following new members were accepted:

David Edison, Watertown C.C., Class A; Craig Vigen, Fargo C.C., Class A; Larry Bellew, Souris Valley G.C., Class B; Lloyd Jarrells, Wheaton C.C., Class B; Tom Meier, Worthington, Class BII; Paul Diegnau, Parkview G.C., Class BII; Brooks Ellingson, Lake Miltona, Class D; Richard Grannes, Hiawatha G.C., Class D; John Law, Jr., Chem Lawn Corp., Class E; Robert Lange, Midtown Ind., Class F; Norbert Anderson, Midtown Ind., Class F; Tom Dawson, Kaye Corp., Class F; Chuck Hibbs, Minn. Valley, Class D



The following members were reclassified:

William Cox, Souris Valley G.C., Class BII; Scott Liestman, Rum River G.C., Class B; Eugene Lee, Hiawatha G.C., Class A; Tim Westland, Prairie View G.C., Class A; David Ruppert, Fairbault G.C., Class B; Paul Feldhake, Crow Greens, Class B; Jim Gardner, Rochester C.C., Class BII; Douglas Nuernberg, Lost Spur, Class B; Richard Traver, Glencoe C.C., Class A.

**WELCOME!** Accepted new members: Back row, Lloyd Jarrells, Larry Bellew and Craig Vigen. Front row, left to right, Paul Diegnau and Tom Meier.

## Nylund Selects 1983 Committee Chairmen

President John Nylund has announced the following committee assignments for 1983:

ANNUAL CONFERENCE & EDUCATION: James Wodash and Leif Erickson  
ARRANGEMENTS: Russell Adams  
EDITORIAL: Irwin Fuller, Jr.  
BYLAWS: Mark Smith  
MEMBERSHIP: Kerry Glader  
SCHOLARSHIP, ECOLOGY & RESEARCH: Don Lindblad and Mark Smith  
INDUSTRIAL & PUBLIC RELATIONS: Larry Mueller and John Nylund  
NOMINATING: Larry Mueller

Each of these chairmen is actively recruiting members to work on his respective committees. Here is a chance for you to review your interests and select a committee you would enjoy serving on in 1983. Then just call the chairman and volunteer your time. If you have specific ideas that you would like to propose, it would be well to detail them in writing for the chairman so that once the entire committee is in place, they can be discussed in an organized manner. Your president has stated that involvement is the key to success. Here is a gold plated opportunity to get involved.

Regarding the National Conference, if you're the type who likes to plan ahead, after you visit Atlanta this year the approved and selected sites of the future are 1984-Las Vegas; 1985-Washington D.C.; and 1986-San Francisco. Let's all support Jim Lindblad in his efforts to be elected to the Board of Directors of the Golf Course Superintendents of America at the annual meeting in Atlanta.



## The "Good Guys" Get Together

Golf has decided to change, to adapt to the new rules of a new game. Water is the issue of the '80s, according to the Allied Associations of Golf (AAG), an association of 10 golf organizations in the United States, including the four playing associations and the six professional associations.\* The AAG has initiated five task force projects, one of which is the Task Force on Technical Research. The objectives of this task force include improving both grass varieties

---

\*Member organizations of the AAG:

American Society of Golf Course Architects  
Club Managers' Association of America  
Golf Course Builders of America  
Golf Course Superintendents Association of America  
Ladies Professional Golf Association  
National Club Association  
National Golf Foundation  
Professional Golfers Association of America  
Tournament Players Association  
United States Golf Association

---

and water use practices.

James E. McLoughlin, executive director of the Golf Course Superintendents Association of America, acknowledging that golf courses primarily use potable water rather than wastewater, explains the initial concern of the golf industry: "Golf has been labeled one of the 'bad guys.' It doesn't need to be. One of the early goals of this task force is to . . . make golf part of the solution and not part of the problem in the water consumption area." A new water reminder logo will encourage public awareness of this new image.

The golf industry plans to adapt now to future water-related changes in at least five different ways.

### Think Dirty

First, the golf industry must begin to "think dirty." This thought-provoking suggestion comes from Dr. Joseph P. Rossillon, executive director of the Freshwater Foundation in Navarre, Minnesota. Rossillon contends that we have become accustomed unnecessarily to using processed, drinkable water for virtually all purposes. His challenge: "There are all kinds of

*. . . the turfgrass serves as a natural filter to purify recycled wastewater as it returns to underground aquifers.*

nonpotable supplies of water that would be very acceptable for doing a lot of things, like making grass grow. Just start thinking dirty."

A number of courses across the country are already using effluent, or wastewater, as part of their water supplies. Not only does such a practice protect potable water supplies, but also the turfgrass serves as a natural filter to purify recycled wastewater as it returns to underground aquifers.

The idea of using effluent to irrigate golf courses is not new, having been in existence for nearly a half century. Courses in such states as Arizona and California have been using effluent water for years.

In St. Petersburg, Florida, local golf courses are on a list of "green areas" that receive treated wastewater from a city-wide network branching from the city's four sewage treatment plants. Estimates of how many U.S. courses now use wastewater range from 1 percent to 10 percent; whichever is the more accurate, the number will certainly be growing.

### Don't Touch That Dial!

A second change in water use requires the practice of a very simple manual maneuver: *not* turning the water on. A number of leaders in the golf industry speak of the negative results of overwatering.

Frank "Sandy" Tatum, Jr., past president of the USGA, points out several of them: soggy fairways that grab and hold sliced tee shots that deserve to bounce wildly into the woods; reliably slow (and thus *very safe*) greens; and elimination of the phrase "bounce and roll" from the golfer's vocabulary.

Tatum is hopeful that a limited water supply will force a return to the "true game" golf once was, where nature "played an appropriate part in setting the conditions." When nature chooses to be perverse, course conditions will be tougher, and the golfer's only choice will be to improvise, to calculate, to concentrate, to test his capabilities and, most important, to recognize human limitations when confronting nature head-on. Tatum considers these challenges to be healthy reminders of "golf in the golden olden days." Along with others, Tatum pleads with the irrigation system managers to resist, to give the buttons and dials a rest, and to save precious water supplies as well.

### Tougher Turfgrass

A third adaptation, a necessary result of the first two, concerns research. New turfgrasses must be developed which can thrive on wastewater and on less water. New drought-tolerant, effluent-tolerant species are being sought and engineered now, but such results may be 10-20 years away. As an intermediate measure, scientists on international "grass-finding tours" are seeking natural drought-resistant groundcovers already in existence, most recently in Africa and, soon, in China.

### "Back to Nature"

Modifying course designs represents a fourth way that the golf industry can adapt to coming changes. According to Jim McLoughlin, the golf course of the 1990s will be different, but not noticeably so. New turfgrass varieties will cover smaller fairways, roughs will be more natural, and the percentage of groomed, manually maintained, irrigated area on any course will be smaller.

continued on Page 9

## CAREER MILESTONES



TWENTY-FIVE YEAR PLAQUES. Proud recipients were, left to right, Francis Reiter, Milt Wiley, Ken Boelter, Gordy Miller, Don Jackson, Dick Toupal and Maynard Erickson.



FIFTY-YEAR PLAQUES. Old buddies who have seen a lot of M.G.C.S.A. history are Harold Stodola, left, and Carl Anderson. Between them, over one-hundred years of experience in turf and related fields prompts the question, "Have they seen it all?"

## WANTED

*"Your Order For Spring 83"*

**PAR-AID**

**STANDARD**

CHEX TEE TOWELS

Call for Par Aid & Standard Catalogs & Price Lists

Flags • Benches • Tee Markers • Ball Washers • Rakes • Poles • Hole Cutting Equipment • Signs

**FUNGICIDES - HERBICIDES - GRASS SEES - FERTILIZER**

**★★ REWARD OFFERED ★★**

**Landscape & Turf**

Div. of M.T. Wiley Inc.

307 E. 6th St., Chaska, MN 55318

*Call Collect*

**MILT 612-448-3300 JOHN**



The important thing to note, McLoughlin emphasizes, is that the golf course of the 1990s *will not have deteriorated*. Changes will have occurred, of necessity, but the course will still be an inviting refuge.

Edwin Seay restates McLoughlin's prediction as a goal: "Our objective is to continue to create and maintain a beautiful, viable and playable golf course . . . water or no water." The AAG is actively pursuing that goal through the cooperative efforts of its 10 separate organizations.

### Don't Hit the Sheep!

A fifth way that the game of golf will adapt to water-related changes involves attitude: the attitude of the millions of golfers themselves who rely on golf, be it for relaxation, recreation, challenge or even character-building.

In the United States, on-course distractions are usually limited to occasional trees (which seldom move) and small patches of water and sand (also stationary). In Scotland, sheep grazing on the fairways are a common and accepted sight. Imagine a flock of sheep stationed halfway between the teebox and the green at your favorite local course. Could you handle the challenge of the unpredictable?

Traditional British golf "links," as opposed to American "courses," are more natural, unpredictable and challenging: nature at its best. Dr. Rossillon

laments the effect of quality-controlled courses on this country's golfers: "We have so improved the quality of the golf course that we have permitted the golfer to decrease his skills. Less refined golfing conditions may require more refined skills by the golfer." The survival of the game as we know it may well depend on the golfer's accepting this "different kind of challenge."

### The AAG: Thinkers and Doers

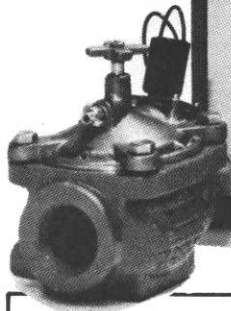
The AAG recognizes the water crisis, has predicted its probable effects on golf and sees the need for change. The game of golf must adapt if it is to survive, and the 10 organizations of the AAG fully intend that it not only survive but also thrive. These organizations, working together out of a common need and toward a common goal, illustrate well the conclusion of Edwin Seay: "Professional dedication, pride, study and honest hard work is the answer. As bad as it is, a limited water environment has made better thinkers, designers and doers out of all of us." The challenge is there, as the game of golf continues to build character, both on and off the course.

About the author: Linda Schroeder is a member of the editorial staff of the *Journal of Freshwater*.

Reprinted from the JOURNAL OF FRESHWATER, 1982, by permission of the Freshwater Society.



Pre-Fabricated Pumping Systems



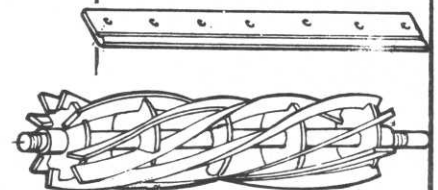
**SAVE**  
ON GUARANTEED  
REPLACEMENT PARTS

**YOUR DEALER IS:**  
**MIDTOWN**  
**INDUSTRIES**

1535 COMO AVENUE · ST. PAUL, MINN. 55108  
612-646-3500

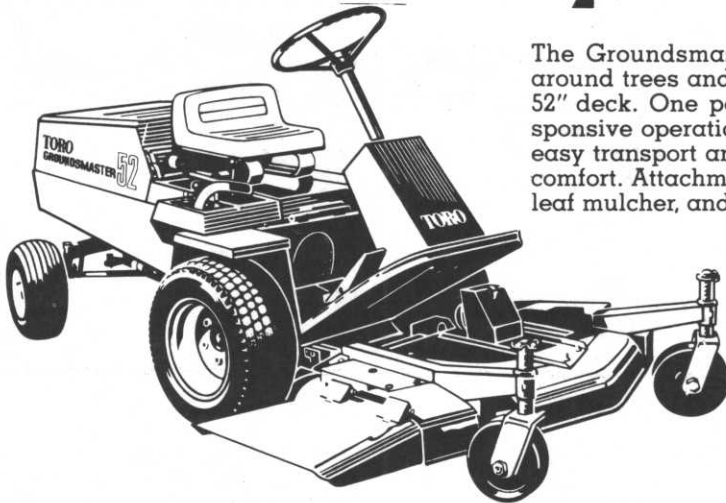
For more information call or write

DENNIS HENDRICKSON      NORB ANDERSON



# GET YOUR GROUNDS - MASTERED SUMMER, WINTER, SPRING, OR FALL THE TORO GROUNDSMASTERS CAN DO IT ALL

## Groundsmaster 52<sup>®</sup> The Professional for maneuverability.



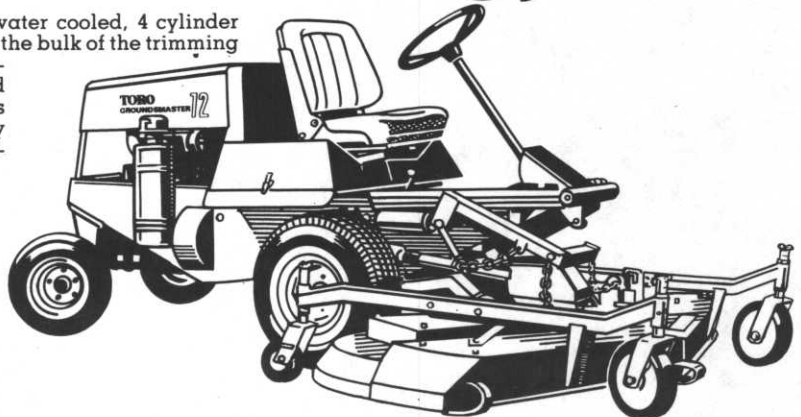
The Groundsmaster 52<sup>®</sup> offers wide cutting ability. It trims tight around trees and other obstacles with the offset, forward mounted 52" deck. One pedal hydrostatic drive for responsive operation, hydraulic deck lift for fast, easy transport and cushioned seat for operator comfort. Attachments include 48" rotary broom, leaf mulcher, and vacuum.

AVAILABLE ON BOTH 52's AND 72's

- \*Cabs
- \*Roll Bars
- \*Rotary Brooms
- \*2 Stage Snowthrowers
- \*Leaf Mulchers

## Groundsmaster 72<sup>®</sup> The Professional for the big jobs.

The Groundsmaster 72<sup>®</sup> has power to spare from its water cooled, 4 cylinder engine. The 72" floating cutting deck is offset to handle the bulk of the trimming jobs around trees, along fences, walls and other obstacles. One pedal hydrostatic drive for responsive speed selection in forward and reverse. Optional accessories like the rear discharge cutter deck, leaf mulcher, rotary broom and ROPS make this machine a versatile workhorse.



### MINNESOTA TORO, INC.

14900 Twenty First Avenue North Minneapolis, Minnesota 55441  
Phone (612) 475-2200