

Dye and many other golf architects are trying to "hide" cart paths in their newer designs. "I am experimenting with a cul-de-sac system which would carry the golfers well away from the fairways, through woods or whatever, then bring them back in a series of cul-de-sacs. The car paths are changing golf course architecture, but I don't think too detrimentally."

Hurdzan concludes, "We're told we need cars because there aren't enough caddies. Again, turn it around! Perhaps there aren't enough caddies because the clubs make more money from cars. Furthermore, I'm afraid that we're losing future players at the entry level due to the lack of caddie programs. This can be addressed, easily."

Credit: American Society of Golf Course Architects

The Londer Observer, has been named the 1985 recipient of the Donald Ross Award by the American Society of Golf Course Architects.

Dobereiner, who also has authored ten books and contributes to both GOLF DIGEST and GOLF WORLD, will be honored for his raising the awareness level of golf course architecture at the Ross Award Banquet to be held at the Park Country House in Killarney, Ireland, on April 20 during the annual meeting of the ASGCA.

Society members will visit nine of the most famous Irish courses during the meeting, as well as hear from local architects, superintendents and agronomists.

Previous winners of the Donald Ross Award include: Robert Trent Jones, Herbert Warren Wind, Herb and Joe Graffis, Joe Dey, Gerald Micklem, Gov. James Rhodes of Ohio, Geoffrey Cornish, Al Radko and Dinah Shore.

### ARCHITECTS CITE DOBEREINER

Peter Dobereiner, who since 1964 has traveled more than a million miles and written twice as many words on golf for

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# Batteries

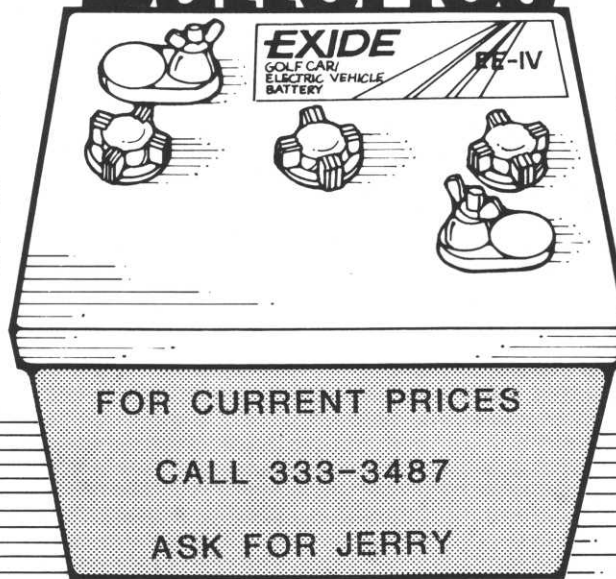
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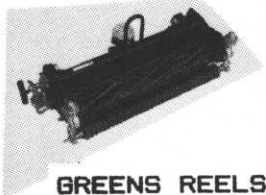
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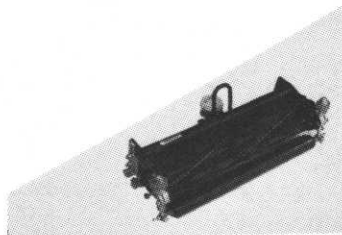
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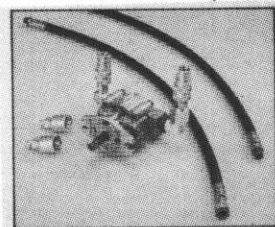


GREENS REELS

New



TEE REELS

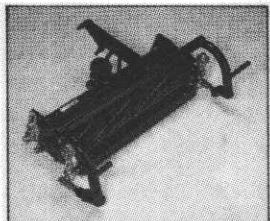


NEW BACKLAPPING KIT  
Model 04425  
Backlapping Kit for  
Greensmaster 300.

## Cutting Units

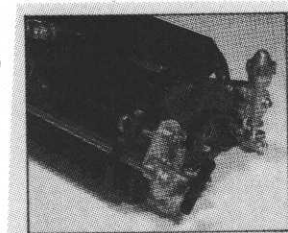
SINGLE KNOB ADJUSTMENT

## New Options

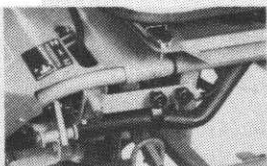


NEW PULL FRAME --  
LIMITED FLOATATION  
Model 04452  
Replaces standard floating  
carrier frame for special cutting  
applications requiring more  
down force.

NEW QUICK HEIGHT-OF-CUT  
CONVERSION KIT MODEL 04451  
Quick Height-of-Cut Kit allows 6 cam  
setting by flip of a handle, each  
altering H.O.C. by .100 inch, total  
range of 1/2 inch above base setting  
of cutting unit.



Reel Shut-Off Kit



Allows operator to shut off one  
or two reel assemblies when  
cutting around greens.

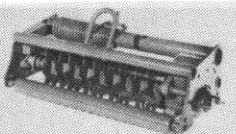


## New Greensmaster 300

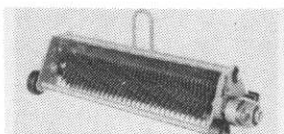
Rear Roller Cleaner Kit



Spring-mounted to assist in  
keeping rear roller free of grass  
buildup.

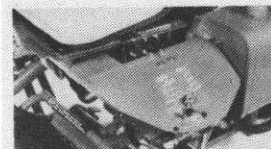


Toro's special profile-tooth blades  
spike cleanly without ruffling turf  
so greens are playable immedi-  
ately after spiking. An adjustable  
transfer spring brings weight  
from the traction unit to bear on  
the reels 57" spiking width  
to achieve the maximum penetra-  
tion of 1/4".

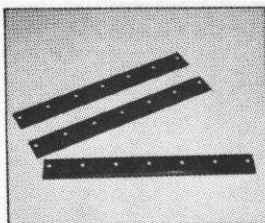


The spiral blade pattern of  
Toro's thatching units means less  
wear on the drive motors through  
more efficient thatching and  
throwing of thatch into baskets.  
The spacing between blades  
over the three reels 59" thatching  
width is adjustable from 1/2" to  
1 1/2" to allow depth-of-thatch  
adjustments in meeting varying  
turf conditions.

Variable Speed Kit

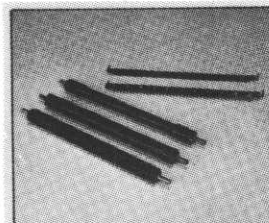


Provides infinitely variable  
speed control from 0 to 3.5 mph.  
Allows operator to select the  
constant ground speed that  
ensures the desired constant clip  
as the cutting units mow. For a  
finer clip at low heights of cut, or  
for easy maneuvering in tight  
spots, simply adjust the speed  
downward.



THREE BEDKNIVES  
TO CHOOSE FROM  
Toro's extra-thin, high carbon steel  
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smooth cut down to 3/32", P/N  
51-2610. Lo-Cut Bedknife, smooth cut  
down to 1/8", P/N 19-8880. Hi-Cut  
Bedknife, cuts down to 3/16",  
P/N 17-7040.

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Wiehle, full and swedged front  
rollers available. Front roller  
scraper with polyurethane  
comb is standard and scraper  
with brush is optional. Spring-  
mounted rear roller scraper  
also available.



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# USGA<sup>®</sup> REGIONAL CONFERENCE

In cooperation with the Iowa Golf Course Superintendents Association and the Iowa Golf Association.

**Tuesday  
April 2, 1985  
The Wakonda Club**

3915 Fleur Drive  
Des Moines, Iowa



- |  |   |
|--|---|
| <p><b>8:00 REGISTRATION—Coffee</b></p> <p><b>9:00 WELCOME</b><br/>Dr. Don O. Newland, Member<br/>USGA Green Section Committee<br/>Des Moines, Iowa</p> <p><b>9:15 PERSONNEL MANAGEMENT BEGINS WITH PERSONAL MANAGEMENT</b><br/>Paul Boizelle, Golf Course Superintendent<br/>Onwentsia Club<br/>Lake Forest, Illinois</p> <p><b>9:45 SELECTING THE RIGHT GRASSES</b><br/>Larry Vetter, Manager<br/>Medalist Turf Products Division<br/>Northrup King Company<br/>Minneapolis, Minnesota</p> <p><b>10:15 BREAK</b></p> <p><b>10:30 COOPERATION—THE KEY TO BETTER WORKING RELATIONSHIPS</b><br/>Don Essig, III, Golf Professional and Owner<br/>The Hoosier Links<br/>New Palestine, Indiana</p> <p><b>11:00 COURSE MARKING, DEFINITION AND SET-UP—PART I</b><br/>James A. Farrell, Mid-Continent Manager<br/>USGA Regional Affairs<br/>Crystal Lake, Illinois</p> | <p><b>11:30 YOUR STATE GOLF ASSOCIATION—WHAT IT IS—WHAT IT DOES</b><br/>Joe Chapman, Executive Director<br/>Iowa Golf Association<br/>Cedar Rapids, Iowa</p> <p><b>12:00 LUNCHEON</b></p> <p><b>1:30 BREEDING OF NATIVE GRASSES FOR GOLF COURSE USE</b><br/>Dr. Terry Riordan, Associate Professor<br/>Turfgrass Plant Breeder<br/>University of Nebraska—Lincoln<br/>Lincoln, Nebraska</p> <p><b>2:00 COURSE MARKING, DEFINITION AND SET-UP—PART II</b><br/>James A. Farrell, Mid-Continent Manager<br/>USGA Regional Affairs<br/>Crystal Lake, Illinois</p> <p><b>2:30 YOU CAN RUN BUT YOU CAN'T HIDE</b><br/>James M. Latham, Jr., Great Lakes Director<br/>USGA Green Section<br/>Brown Deer, Wisconsin</p> <p><b>3:00 U.S. OPEN FILM</b><br/>"Fuzzy Flew at Winged Foot"</p> <p><b>3:35 QUESTIONS, ANSWERS AND ADJOURN</b></p> |
|--|---|

## RESERVATION FORM

### USGA REGIONAL CONFERENCE

**Tuesday, April 2, 1985**

Reservations should be made by March 27

Registration forms to be Mailed to:  
**James A. Farrell**  
P.O. Box 616  
Crystal Lake, Illinois 60014  
(815) 459-5590

**Gentlemen: Jackets Required**

Enclose \$30.00 for each luncheon reservation—\$35.00 at the door—payable to United States Golf Association.

Lunch and Registration Fee Enclosed \$30.00

Names and Titles

Club

Address

City

State

Zip

Phone Number

# **RAIN BIRD® 91DR & 95DR ROTORS** **COMPARE... THERE IS NO COMPARISON!**

<b>Feature</b>	<b>Rain-Bird 91-95 DR Series</b>	<b>Toro 674-06 Series</b>	<b>Toro 694-06 Series</b>	<b>Benefit</b>
Inlet Size	1 1/2" FPT	1 1/2" FPT	1 1/2" FPT	Less pressure loss—cuts pumping cost
Rotation Speed (60 PSI)	1:30 minutes	3:07 minutes	3:07 minutes	Faster rotation speeds—less time to syringe
Pop-Stroke	3"	1 3/8"	7/8"	Higher pop-up height—less matting around head
Arc—Adjustable	Yes 30-360 degrees	No	No 90-180-360 degrees	Adjustable arc is more versatile Model #95DR is full or part circle
Valve Type	Diaphragm	Piston	Piston	Diaphragm valve—less flow loss, cuts pumping cost, less sticking, cuts maintenance cost. Longer life 10X piston.
Internal Porting	Yes Bleeds water into sprinkler inlet	No Bleeds water into case	No Bleeds water into case	Internal bleed—does away with wet spots around head Case does not fill up with water
Drive Mechanism	Brass impact	Plastic gears	Plastic gears	Impact drive—has 2 moving parts—less expensive to service & repair. Less pressure loss.
Pressure Regulation	Field adjustment	Factory set	Factory set	Field adjustment—allows individual head regulation for more even distribution
Maximum Working Pressure	150 PSI	150 PSI	150 PSI	
Energy Efficiency	85%-95%	70%-80%	70%-80%	Impact drive more efficient—less pressure loss thru head, cuts pumping costs
Pressure Loss Thru Head	< 15.0	> 23.0	> 20.0	Saves pumping/power costs
Positive Retract Spring	Yes	Yes	Yes	
High Strength Plastic Case	Yes	Yes	Yes	
Cover	Aluminum	Plastic	Plastic	Aluminum less susceptible to striking damage from equipment, golf clubs etc.
Manual Override	Yes	Yes	Yes	Can still operate if power is not available
Nozzles	2	3	2	
Nozzle Interchangeable	Yes	Yes Must change stator	Yes Must change stator	Impact drive—allows nozzle to be changed without replacing a costly part
Screen Accessibility From the Top	Yes	No	No	Impact drive—allows screen to be removed thru top so head does not have to be removed from riser
Self Flushing Valve Seat	Yes	No	No	Diaphragm valve—has less hang-ups and sticking, cuts maintenance cost
Solenoid Grit Filter	Yes	No	No	Grit filter—filters water to valve ports, less hang-up problems, cuts maintenance costs
Solenoid	24V-2W	24V	24V	24V-2W Solenoid requires less power—allows longer runs on smaller wire
Radius	68' - 98'	76' - 102'	78' - 108'	
GPM Range	28 - 75	31 - 65	45 - 82	
Maximum Spacing No Wind	Square Triangular 55% 60%	55% 60%	55% 60%	
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