

If you think you have too many obstacles to cover 30 acres at a clip, we'll show you how to do it.

We'll show you how to get in so close to rocks, trees, shrubs and fences, you won't have to stop or go back to hand-trim in many cases.

Granted, that takes some maneuvering you don't expect from most mowers. But you'd expect it from Jacobsen and you get it from the Deluxe Turf King.

Hydrostatic drive is the key. Forward and reverse speeds are foot-controlled, leaving your hands on the wheel and your mind on the job at hand...

covering up to 30 acres in one day.

The Deluxe Turf King makes it easier because you can cut a 76" or 84" swath.

A tough 14-HP engine has all the guts the job takes, but takes very little gas to operate.

A large capacity gas tank also means fewer refills in the course of a day.

And Jacobson has heard the pleas of someone who rides 30 acres a day. That's why

they've installed a new, quieter muffler system on the Deluxe Turf King. So you can hear yourself think.

And if you think you should hear more about the Jacobsen Deluxe Turf King, stop in or call us for a demonstration.

The more you hear about it, the more you'll know we've been listening to our customers.

We hear you.



**We want to give you a demonstration
of this TURF KING! Call 612-484-8411**

3711 Lexington Avenue North
St. Paul, Minnesota 55112

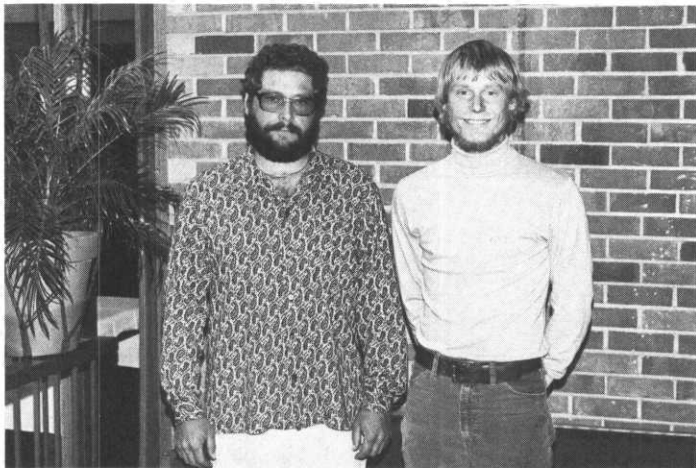


RECORD TURNOUT AT ROCHESTER

The sun god, a little inactive this year, smiled on the M.G.C.S.A. with all its magnitude on Tuesday, May 15. That sun plus the highly regarded reputation of the Rochester Country Club drew over 90 golfers out to play. What they encountered was a flawless golf course in mint condition. Host Superintendent Kurt Erdmann must have mistaken May for July because the course was in mid-season shape. You could have tied up the National Open on it. No scores were reported but it is rumored that some players never saw the sun except at the green. They spent the rest of the time in the shade under one or the other of some 20,000 pine trees.

Jerry Commers of Cushman Motor Company and his cohorts set up a nice display of their products right behind the 18th Green. The nice day, the free beverages and the convenient location combined to draw interested viewers all during the day.

Because of the large crowd the Business Meeting was late starting and very short. The most action was in the Membership Committee Report. The following were approved as new members: Kevin Hamilton, Brookings, South Dakota; Steve Hamelau, Waverly, Iowa; Marlo Hansen and Annette Westover, Forest Hills and Mike Olson, Minikahda. Next month on to Owatonna where the "Straight River" runs crooked through the course giving you much opportunity to fill it up with nice white golf balls.



NEW MEMBERS. Steve Hamelau, left, of Waverly, Iowa and Kevin Hamilton, right, of Brookings, S.D. journeyed far to attend the meeting.



APPRENTICES. Carl Johnston of Forest Hills is training Marlo Hansen, left, and Annette Westover, right.



WELCOME. Jim Lindblad, right, welcomes Mike Olson, new member from Minikahda.



CERTIFIED. Congratulations to Steve Young of Baker Park on passing the test to become certified by G.C.S.A.A.

**Northrup King
turf gets
trampled, torn,
squashed,
and scuffed
and it still
looks great.**

**But that's
not news to
you.**



The days when turf just laid around looking pretty are long gone. Now your turf has to be pretty – and pretty tough, too. Tough enough to take all kinds of wear and still go on looking terrific.

That's just why so many pros like you specify turf seed from Northrup King. For years, Northrup King has given pros all they need – low maintenance varieties, winter hardy blends, special mixes for specific geographic problems, and expert help in selecting the right one.

And no matter what Northrup King turf seed the pros use, they get turf that's good looking and hard working.

Find out more about quality turf seed from Northrup King. Talk to your Northrup King representative or distributor.

Or talk to someone with great looking turf.

Northrup King Co., P.O. Box 959, Minneapolis, MN 55440.



THIS AND THAT ABOUT THATCH

By Nick Dunn, C.G.C.S.
Hazeltine National Golf Club

In the past several years a great deal of research has been done on many turf related problems. New products have been tested and released to the market helping solve problems related to specific disease and insect problems.

In our own state our association has supported Dr. Ward Stienstra and continues to support his work for winter diseases. Now the association is supporting research by Dr. Stienstra on summer diseases. We, as superintendents, have benefited from the work he has done and our clubs have benefited by being rewarded with better turf.

We must be cautious because even the wonderful cures available to us become less and less effective if we do not continue to implement good sound cultural practices. In simple terms, we must continue to aerify, topdress, verticut, fertilize with caution and water carefully.

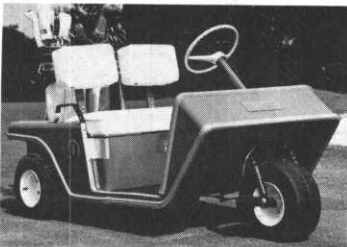
Thatch is probably the one problem in turf as it relates to reducing the effectiveness of pesticides. This reduction in effectiveness is due to the fact that thatch limits the proper placement of the pesticide. Thatch is the layer of undecomposed leaves, stems, roots and rhizomes. This thatch layer can limit water movement into the soil, reduce air infiltration into the soil, increase disease and insect potential.

Thatch can be controlled best by using a combination of verticutting to remove thatch, topdressing to stimulate decomposition, aerification to grow the roots out of the thatch zone and the use of only enough nitrogen to keep the grass actively growing without overstimulation of growth. However, a small amount of thatch is necessary cushion, to protect the delicate plant parts and leaf tissue from the abrasion of soils below.

With thatch properly controlled the products for disease and insect control are easier to place properly; thus, increasing their effectiveness, reducing costs with fewer applications and helping produce the turf desired by golf memberships.

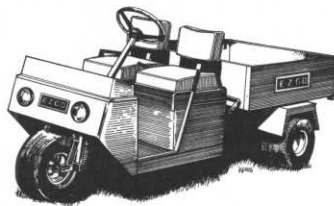
Remember it is a combination of the new research and products mixed with a generous amount of basic cultural practices that produces the best turf.

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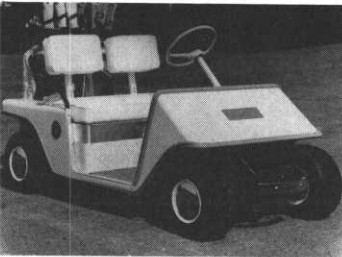


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SALES-SERVICE-LEASING-PARTS

NINE WAYS TO NEGOTIATE A RAISE

Many people who have no trouble dealing with their superiors in most day to day situations find it very difficult to ask for a raise. If you're fainthearted at negotiation time, consider these recommendations to ease the process:

*Know your worth. Ask yourself how valuable you are to the course, how much would it cost to replace you, what have you done lately to help the organization.

*Pick your place. Get your boss outside of the office to listen to your request. Take him to lunch if possible.

*Detail your reasons. Tell your boss why you deserve a raise.

*Suggest an amount. You, not your boss, should propose the amount of your possible raise.

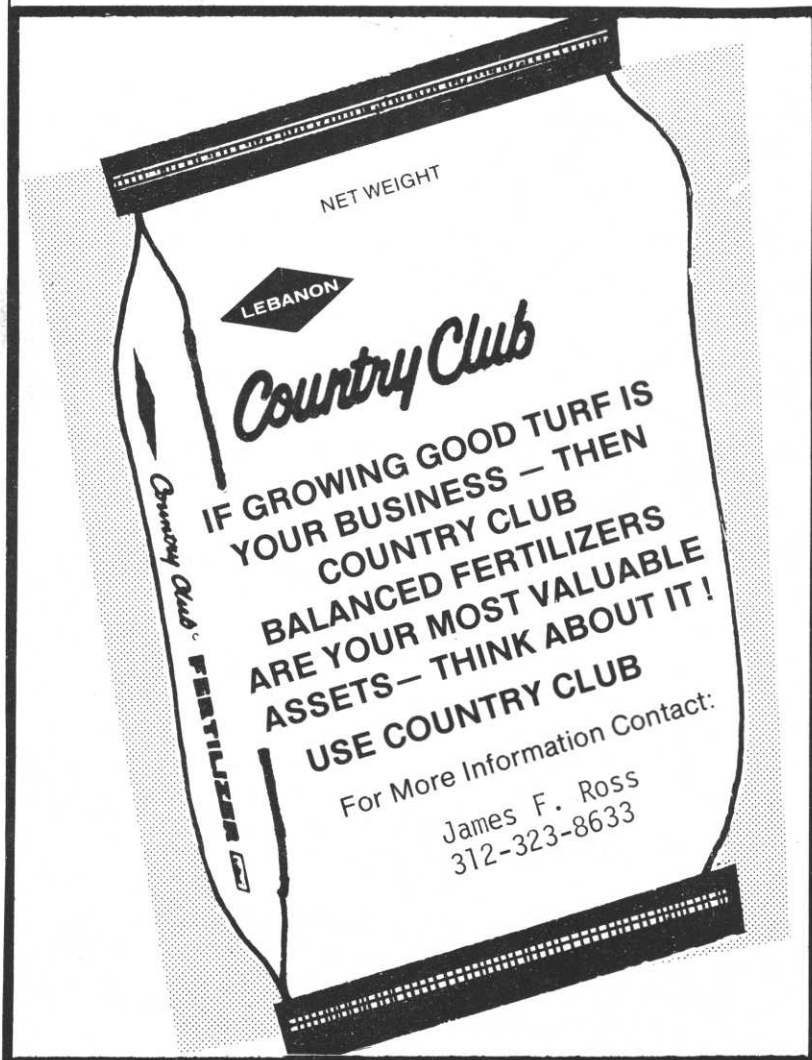
*Set your figures high. Ask for more than you expect to get. This leaves room to bargain.

*Compromise, but not too easily. Since you've started with a high figure, realize you probably won't get it. Let your boss make a counter-offer, and be ready to compromise.

*Rehearse. Don't go into negotiation cold. Be sure to be in top mental and physical condition when the actual talks begin.

*Get it in writing. If possible, get your boss to put it in writing - for both signatures - the raise he agrees to.

*Don't wait - ask. Don't wait around for the company to recognize your value and give you a raise. Ask for it. Your aggressiveness may pay off.



Steve Young Awarded CGCS

Steve Young, golf course superintendent at Baker Park Golf Course, Maple Plain, recently completed the stringent certification requirements of his national professional organization, the Golf Course Superintendents' Association of America (GCSAA).

Young, superintendent of the Baker Park Golf Course since 1977, was honored in a presentation at the Hennepin County Park Reserve District Headquarters, Maple Plain, during a meeting of the Park Board. James Lindblad, CGCS, superintendent of the Wayzata Country Club, Wayzata, made the formal presentation.

To attain certification, Young was required to meet eligibility requirements of tenure and experience and then successfully complete a six hour written examination.

NECROLOGY

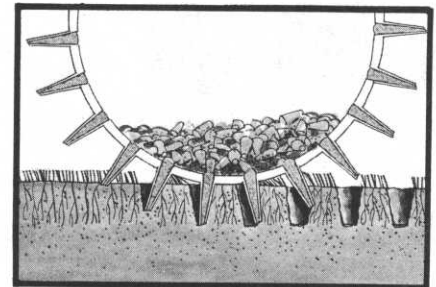
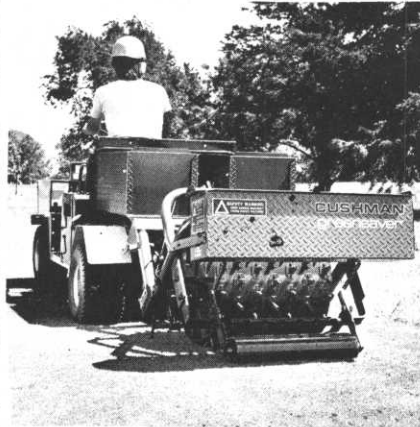


Paul Miller who joined the M.G.C.S.A. in 1937 died last month at the age of eighty. He spent the majority of his working life with R. L. Gould. In 1930 R. L. Gould was a produce company, buying and selling vegetables. They needed a truck mechanic for the chain driven hard rubber tire trucks. Paul was hired and eventually became a truck driver and then a dispatcher. At that time the company changed from produce sales to seed and garden supplies. Paul went into sales which led him to be the sales manager of the Power Equipment Department. His territory, while in sales, was Minnesota, North and South Dakota and Western Wisconsin. Pretty large for one man, especially with the all encompassing job of the salesman in that day and age! when R. L. Gould died nine employees bought the company and Paul was elected vice-president and director, a position he held until he died. He retired officially in June of 1978 and at that time there were three generations of Millers - Paul, Gordy and Dan Miller with the R. L. Gould Co. He was always an active booster of our association, effectively recruiting new members in his travels throughout our area. He will be greatly missed by all.

NEW CUSHMAN GREENSAVER AERATOR

The accurate aerator that gets aeration done 10 times faster than most other methods

In the raised position you're able to travel quickly between greens...and that saves time. When you reach the green just move the hydraulic lever at your side until the Greensaver is lowered into the turf. There's no need to stop the vehicle. You can keep moving and aerate at speeds up to 6 mph.



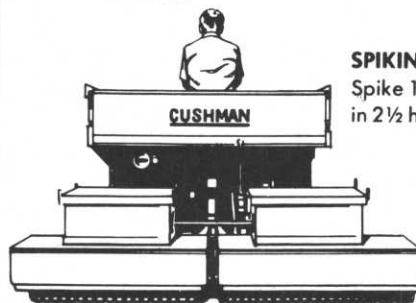
Cores are pushed into the rotating drum as the Greensaver penetrates the ground.

Cushman® Turf Care System cuts equipment costs 35%, labor costs 50%.

Purchase one of the basic Cushman Turf-Truckster vehicles available in 3 or 4 wheel models with 12 or 18 hp. Then add as many of the new modular accessories as you need for the work you have to be done. No need to buy another expensive vehicle. In minutes you can attach the module you need by using simple pins that slide in and out. No need for tools.



TOP DRESSING
Mounts on Truckster chassis.
No need for separate engine.



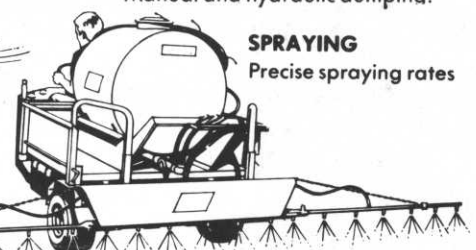
SPIKING
Spike 18 greens
in 2 1/2 hours.



DUMPING/HAULING
1000 lb. payloads.
Manual and hydraulic dumping.



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Spread up to 40' swath.



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Precise spraying rates

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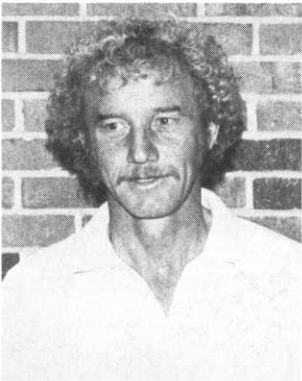
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MEET YOUR SUPERINTENDENTS !



JIM NICOL is the golf course superintendent at the Bunker Hills Golf Club in Coon Rapids. Jim joined the staff at Bunker Hills in August of 1978 and was then promoted to head superintendent this past February upon the retirement of Clem McCann. Prior to coming to Coon Rapids, Jim was employed by the St. Cloud Country Club, Somerset Country Club and most recently for four years at the Play-boy Club in Lake Geneva, Wisconsin. One only has to look at Jim's innocent face to realize that 100% of his time at Lake Geneva was spent on the golf course and that he never darkened the door of the club. A bachelor, Jim was born and reared in St. Cloud and received his turf education at Penn State. When not working, Jim loves to play golf or enjoy almost any form of relaxation.



HARVEY BOYSEN is the only golf course superintendent the Northern Hills Golf Club in Rochester has ever known. A very new course, Northern Hills opened for play in June of 1976 and by that time Harvey had already served two years helping with the construction of the course and nurturing it into opening condition. Previously, Harvey had worked for the Rochester Park System and had also been a salesman for a fertilizer company. He now loves the turf care industry and claims the constant challenge of supplying the golfers with a first rate course is what makes it so interesting. Harvey and his wife, Diane, have two children, Penny 11 and Kent, 12. Carpentry work is Harvey's favorite hobby and he is skilled in it enough to have built his own house.

COMMENTS FROM DR. FRED GRAU

Dear HOLE NOTES:

Larry Eggleston's picture on the cover of the May issue of HOLE NOTES is really eye catching! I'm glad to see that our Minnesota friends recognize the potential of the *Ataenius spretulus* pest.

We are proud that our directors saw the threat more than three years ago and put ads in leading turf magazines - "IT'S WAR". In a meeting of funding agencies at a G.C.S.A.A. conference, G.C.S.A.A. and the Musser Foundation agreed to pool resources and to give assistance to the funding of this project on OARDC with Dr. Harry Niemczyk. Ohio golf clubs initially gave funds for the study. Dr. Niemczyk and Gerold Wegna, the graduate student who did the field work, reported on the three year study at the annual meeting of the Musser Foundation in Atlanta. They deserve a lot of credit.

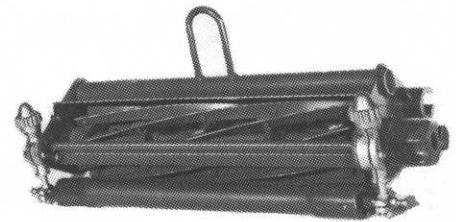
We put all our available money into *Ataenius* and we are glad we did! Just thought your readers would like to know how the Ohio based study was developed and financed.

Now we are looking for another critical project to help support.

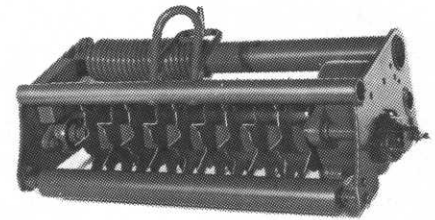
All the best!

Sincerely yours
For better turf,

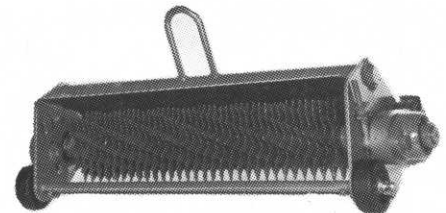
Dr. Fred Grau



GREENSMOWER



SPIKER



THATCHER

GREENSMASTER 3

1 AS A GREENSMOWER, the features and benefits include:

Balanced, fully-floating cutting heads — isolated from the traction unit and grass baskets — give uniform cutting height from first green to the last (a Toro exclusive). Low pull point on all cutting units for straight, even tracking. 15-inch turning radius for greater maneuverability, faster handling. Low-noise fully-hydraulic drive is smooth and easy on the greens. Maximum operator visibility and ease of control. Exclusive interchangeable wheels, cutting units, baskets, reel drive motors save time, money invested in stocking parts. Customizing accessories for varying conditions — including a simply engineered and easy to install individual reel shut-off kit that controls the front two cutting units to give a variable track on the clean-up run. Optional reel roller scrapers minimize grass build-up for a beautiful appearance even on wet turf. Proven history of performance on fine greens all over the world lets you be confident of the real value of Greensmaster 3.

2 AS A SPIKER, the features and benefits include:

Special Toro profile-tooth spike blade that spikes cleanly without ruffling turf (greens are playable immediately after spiking — no rolling or cutting needed). Power driven reels with one-way slip clutch give added traction on sloping greens. Adjustable transfer spring transfers weight from traction unit to spiking reels. Delivers up to 650 lbs. of weight across 57 inch width for maximum 1 1/4 inch penetration. Wide spiking area gets more done in less time — you can spike as fast as you mow. And the spikes are less than 2 inches apart. A depth measuring tool is included with each set of spiker units to insure effectiveness of treatment under varying conditions.

3 AS A THATCHER, the features and benefits include:

Reels cut in forward rotation for efficient vertical mowing. Spiral pattern of thatcher blades means less wear on drive motors, more efficient thatching and throwing of thatch into basket. Adjustable gauge wheels tailor cut to various turf conditions. Variable blade spacing (as close as 1/2 inch — depending on the need) permits adjustment to meet varying turf conditions. Gauge plates are provided for easy bench setting of penetration depth, 59" working width makes vertical mowing practical and efficient for the first time. High-strength blades are made of blue-tempered high carbon steel — and they're reversible for double the life.

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G.N. Rasmussen

Dan Evavold



Snapshots - A Part Of Inventory Record

Insurance on your equipment and inventory is partial protection at best, unless you keep up to date records of your insured items. The most reliable of insurers will only comply with the terms of your policy and it's always up to you to prove your losses.

First is the tedious step of inventorying your property. To simplify matters, start by taking a photograph safari through your building. Open drawers, lay things out and photograph everything. Photograph one side of an area, then take closer shots of items located there. Repeat for the other side.

Color prints are best, although costly. To do the job right, getting everything you have on film will use up several rolls.

Taking snapshots will help you remember items you might otherwise fail to claim after a fire, theft or other covered loss. People tend to understate property claims by forgetting numerous items at a time of stress.

Your prints serve as the basis of your golf course inventory system. On the back of each close-up shot, list items shown, serial numbers if any, dates acquired and approximate values if possible.

Then the prints go in business envelopes along with canceled checks and invoices. The package should fit in a safe or in a safety deposit box.

Next, total the value of your equipment and inventory to see whether your insurance is adequate. Note that most policies pay a depreciated value. Many newer policies, however, pay on the actual replacement value of these items.

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LAST WORD BEFORE ADJOURNMENT:

"A wise man learns from the mistakes of others. Nobody lives long enough to make them all himself."

ON THE UPBEAT, Vol. A, No. 5

A fresh ball mark takes ten seconds to repair and twenty-four hours to heal. Unrepaired for one hour, it takes fifteen days to heal.

Sign at Moss Creek Plantation

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| *MYERS | Sprayers |
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| *HOWARD | 48" to 82" Rotary Mowers |
| *HECKENDORN | 36" to 88" Rotary Mowers |
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| *DIADEM | Fertilizer Spreaders |
| *HEFTY | Diesel & Gas Tractors |
| *DAVIS 500 | Golf Cars |
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- All potash derived from sulfate of potash. Lower salt index makes it far less likely to burn.



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