

Don't blame your Northrup King man if he wants to play your fairways, after you revitalize them with Overseeder II.

Overseeder II quickly develops into the kind of turf that makes tees and fairways irresistible to any golfer.

It's easy to understand what you get out of Overseeder II when you know what goes into it: a blend of Parade and Adelphi Kentucky Bluegrasses and Eton and Pennfine fine-leaved perennial ryegrasses. Combining all the advantages of these varieties, Overseeder II transforms sparse, patchy areas into dense turf that holds up under even the heaviest weekend traffic.

Your Northrup King man will know if Overseeder II is the right prescription for your course and your area. If it isn't, he can recommend the appropriate overseeding formula, custom-blended by Northrup King to solve your particular problem.

Contact your Northrup King representative or distributor. He'll gladly come out for a consultation. And once he gets finished with your course, don't be surprised if he turns up again — with his golf shoes and clubs.

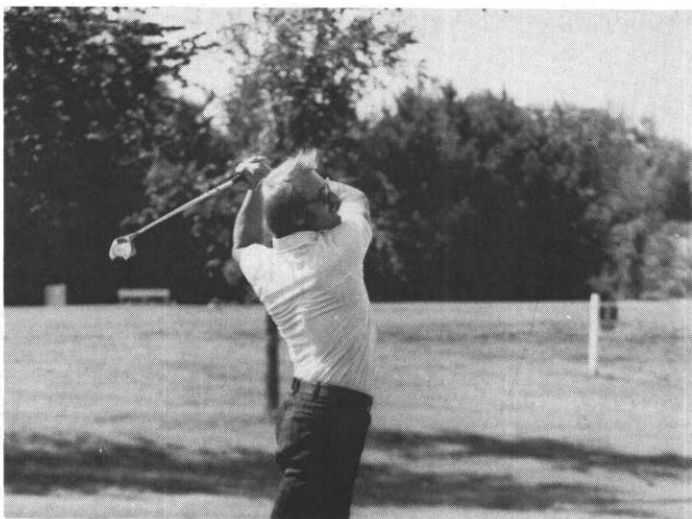


NORTHRUP KING CO.
BOX 959 • MINNEAPOLIS, MINNESOTA 55440

THE HUDSON HUSTLE

August 8 was the date and Hudson Country Club was the place for a truly enjoyable day of golf, cards, meeting and socializing. Host Superintendent Charlie Tillman didn't miss a bet including a peerless day weatherwise. Over fifty members journeyed to Wisconsin to join in the day's festivities and although no final tabulations were made, it is believed that those with previous experience at Hudson came away with all the money from the senic but tricky golf course. Thanks again, Charlie, for a great day!

Several important items were discussed at the business meeting in the evening. If any member would like to see a change in the bylaws for next year, he must have that change sent to the chairman of the Bylaws Committee, John Lightfoot, by October 1. Also, Roger Kisch would like some input as to the members' wishes for entertainment during the Annual Conference. If anyone has any suggestions, please contact Roger. Finally, we would like to extend a hearty WELCOME to the following new members who were voted in at the August meeting: Doug Mahal, Interlachen Country Club; John Bowen, Town and Country Club; Mike Mitchell, Albert Lea Country Club; Bruce Luehsinger, Hudson Country Club.



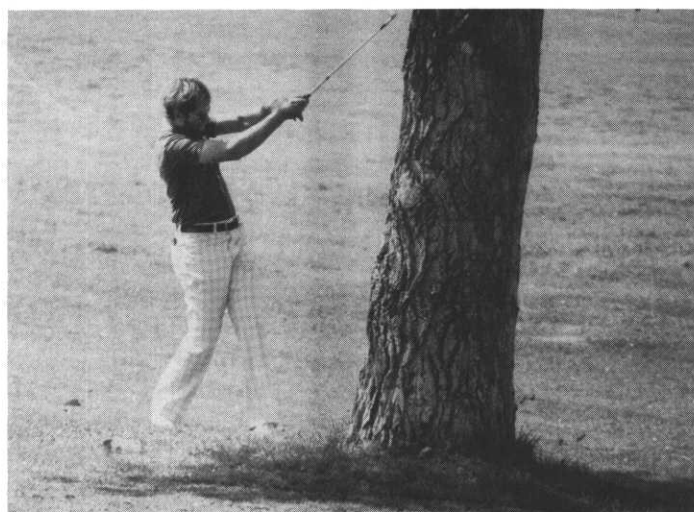
EXTENDED. Dan Evavold reaches back for a little something extra on this drive.



ROLLING TERRAIN. The 13th Hole offers challenge plus an exceptional view.



SOMETHING EXTRA. Host Charlie Tillman, left, shows off new barbecue to Dean Sime, center, and Larry Mueller.



DOUBLEHEADER. Dennis Hendrickson bangs tree trunk with club, right, after hitting ball.

Experimental Bent Proves Successful

In 1975 Owatonna Industries commissioned Brauer and Associates of Eden Prairie to design a 9-Hole golf course in Owatonna. The course was to measure from 2,982 yards for ladies to 3,411 yards from the men's championship tees. When Mike Klatte, then the golf course superintendent at Owatonna Municipal, found out that a course was to be constructed, he suggested that they contact Dr. Joe Duich of Penn State and perhaps they could seed the greens with Dr. Duich's new experimental variety of bent grass known as PSU-PBCB. Mike was a former student of Dr. Duich. The suggestion was a good one and the nine greens averaging over 6,000 square feet were seeded in the fall of 1975. The course opened for play in July 1976 and was inspected by Dr. Duich in July of this year. Brooktree was the name selected for the golf course.

Dr. Joe Duich did his undergraduate and graduate work at Penn State University. He studied under and worked with H. B. Musser. Upon graduation, Dr. Duich began teaching in Penn State's Department of Agronomy and doing research work on turf grasses. After H. B. Musser's retirement, Dr. Duich continued and expanded many ideas and programs Musser had started. Dr. Duich has become a well known and respected authority on turf grasses, both nationally and internationally.

Dr. Duich is deeply involved in Penn State's two year Training Program for Golf Course Superintendents and many of this country's finest Golf Course Superintendents have graduated from this program.

Dr. Duich has been involved in the introduction of a number of improved turf grasses including Pennfine Perennial Ryegrass, Pennstar Kentucky Bluegrass and his latest development, PSU-PBCB.

PSU-PBCB is the code name for a new variety of bent grass that Dr. Duich has been working on since 1960. This new bent grass has been tested on various greens around the country and appears to have excellent potential. At this point it appears this new bent grass will be named and released sometime in 1978.

In an interview at Brooktree in Owatonna after an inspection of the course, Dr. Duich made the following comments:

Q. Dr. Duich, how long have you been working on this new variety of grass for putting greens?

A. I have been working on this grass since 1960 in various forms, but I believe we have finally arrived at the final product. We would feel this new grass will be released by Penn State University within the next twelve months.

Q. What do you feel makes your new variety of grass distinctive?

A. The basic objective was to develop a putting green grass that can be planted from grass seed. For many years, putting greens were vegetatively planted, this one type of grass that was propagated by runners. This has the gross disadvantage of being a single genetic type and you, figuratively speaking, have all your eggs in one basket. When conditions were right, these vegetative strains performed well. Under adverse conditions, they might all suffer, and being genetically uniform one could have a gross "wipe out". As many turf people know, this has happened. When we go to seeded roots, which is much cheaper to establish and you always have a source of seed for repair work, we as breeders have certain problems to overcome. The principal one probably is to be able to reproduce from seed and have what we call a non-segregating surface. For many years the limitation of seed was that you would plant it and you might have a small percent of the population that was stronger and patches would

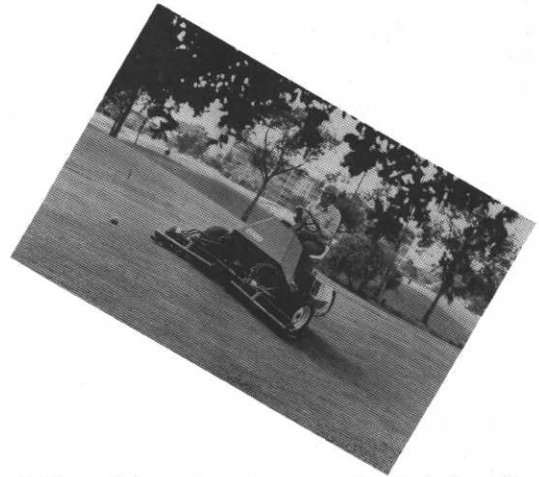
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- 1 All three reels are hydraulic powered.** Each has its own hydraulic motor, eliminating one of your biggest maintenance headaches — drive chains and belts, and their constant adjustment, repair or replacement.
- 2 All three wheels are hydraulic powered.** The hydraulic motors which drive each wheel replace chains, belts, gears and other wearprone components with long-lasting, low-maintenance hydraulic power.
- 3 All three wheels are drive wheels.** This, plus a low center of gravity, gives you excellent hillside traction, maneuverability and stability.



- 4 Reversible reel motors are standard.** Permits "backlapping" right on the machine which helps keep your Turf Pro 84 out on the turf and out of the shop. Makes sharpening fast and easy for better job of cutting. Clogged reels clear fast and easy, too.
- 5 Reels lift hydraulically.** Which means they're easy to raise and lower, for crossing roads and cart paths. Saves operator time. Cutting units can be manually locked in an upright position for compact storage.
- 6 Reels have independent suspension.** This means they all follow the contour of the ground to provide a better quality of cut.

- 7 Reel rpm adjusts independently of ground speed.** Lets operator select correct "clip" for height of cut and type of grass.



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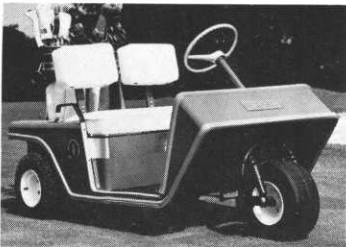


INSPECTION TEAM

LEFT TO RIGHT, DR. JIM WATSON OF THE TORO COMPANY; ROGER KISCH, SUPERINTENDENT SOUTHVIEW COUNTRY CLUB; DR. JOE DUICH, PENN STATE; GARY GLIENKE, BROOKTREE PRO SHOP MANAGER; RANDY NELSON, SUPERINTENDENT OWATONNA COUNTRY CLUB; MERLE BROICH, BROOKTREE MANAGER; GERRY PIRKL, BRAUER AND ASSOCIATES COURSE ARCHITECTS; AND SCOTT AUSTIN, HOST SUPERINTENDENT BROOKTREE GOLF COURSE.

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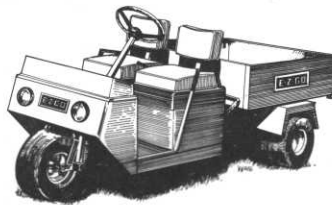
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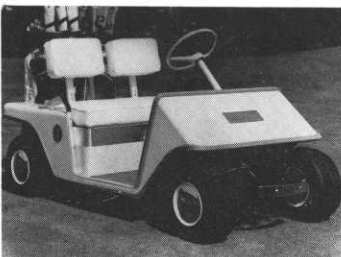
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develop that grow bigger and bigger. They would have a different grain to them and different growth habit, they do not putt as well and they end up looking like spotted leopards. As breeders then, we must develop something that is uniform, but with a very broad genetic base. This particular bent we have here has four basic parents. The objective is to be able to grow this bent grass wherever bent grass is grown; the U.S., Canada, higher elevations, Southern areas as well as European countries.

- Q. Will the golfer playing here at Brooktree notice any difference from other greens?
- A. I think compared to a lot of putting greens, yes, they should notice a finer texture, a very tight bent, these greens (particularly for their age) putt very true and they are fast. In the future they will probably putt even faster. They will also notice the absence of Poa Anua, the natural invader of putting greens.
- Q. What improvements do you see that have to be made here to make Brooktree a championship quality golf course?
- A. They have a very well designed course and one that was constructed properly. Just like good wine, a little time and maturity is all they will need.

HOW TO TOP DRESS 18 GREENS FAST.



It's simple to do. Just place the top dresser attachment on the back of your 18 hp Turf Truckster chassis with the optional PTO, insert two pins, connect the sprocket drive chain to the PTO, and you're ready to work.

You save money as well as time. The Cushman top dresser eliminates the need for expensive, slow-moving, self-powered units. You use an existing power source to economically and quickly spread a variety of materials.

Your operator moves rapidly from green to green, with no time-consuming walking or laborious loading and unloading of extra equipment. He merely sets the metering gate and the engine/ground speed governor for an exact spread thickness. The moving belt and brush dispense materials uniformly in a smooth 31½-inch swath.

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And now we've added improvements that make the top dresser even better.

The unit mounts directly on the chassis, without an extra frame. And the new system uses a rubber fabric conveyor belt to carry material to the gate. It's quieter, with reduced maintenance and longer life than the previous design. Plus, it enables you to spread materials from rock salt for icy sidewalks to fine, powdered soil on greens or tees.

Like all Cushman equipment, the top dresser and Turf-Truckster are built to last. So you get an efficient system that will handle just about any spreading job for years to come. With other accessories, your Cushman can spray, spike, aerate, and dump. Use it. It's more than basic transportation. It's a total turf-care system. Write for your Cushman Turf catalog today.



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MGCSA ANNUAL GOLF TOURNAMENT

It is time again to be looking ahead to the Annual Minnesota Golf Course Superintendents' Tournament. A time to enjoy golf, fellowship and entertain club officials, managers and professionals from your club. The event this year will be held on September 19, 1977 at Oak Ridge Country Club. Keith Scott is the host superintendent.



As this tournament grows in size each year, it becomes more necessary for reservations to be made early. Two shotguns will be held, the first at 8:00 a.m. and the second at 1:00 p.m. Each shotgun will be limited to 30 foursomes. Tee times for the 1:00 p.m. shotgun will be given on a first reservation returned basis and given to Class A and Class B superintendents first, unless they indicate the morning shotgun. Others will be placed in the 8:00 a.m. shotgun.

The cost of the event will be \$21.00 per person which includes prizes and dinner. Carts will be available at a cost of \$7.00 each. One cart per foursome can be reserved with the registration form. Extra carts that are available will be rented the day of the tournament.

For the early arrivals at Oak Ridge coffee and rolls will be available. A buffet lunch will be available for golfers coming off the course from the 8:00 a.m. shotgun and available to persons playing in the 1:00 p.m. shotgun. These luncheons are difficult to plan for so please use the facility. The lunch will cost \$3.25. As usual beer and pop will be available on the course for the players.

(1:00 SHOTGUN FILLED)

M.G.C.S.A. TOURNAMENT SEPTEMBER 19, 1977
OAK RIDGE COUNTRY CLUB

Please reserve for _____ for the
8:00 a.m. - (name of sponsoring supt.)
shotgun a spot for the following foursome.

Names of Players

- 1. _____ @ \$21.00 _____
- 2. _____ @ \$21.00 _____
- 3. _____ @ \$21.00 _____
- 4. _____ @ \$21.00 _____

Please reserve a cart at \$ 7.00 _____

Please reserve ____ extra dinners @ \$16.50 _____

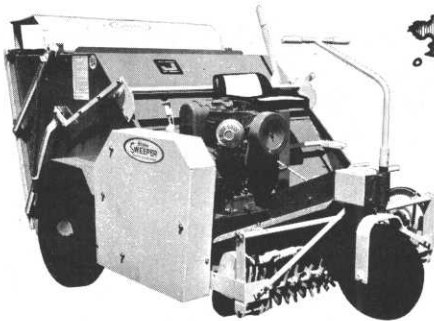
Total _____

Payment must accompany reservation. Make checks to M.G.C.S.A. Singles making reservations will be paired to make foursomes. Cancellations made prior to Sept. 12, 1977 will receive a full refund. Cancellations after Sept. 12, 1977 will receive no refund. No reservations (except for dinner) will be taken after Sept. 12, 1977. Send reservations to: NATHAN DUNN, 410 ARBORETUM BLVD., CHASKA, MINNESOTA 55318

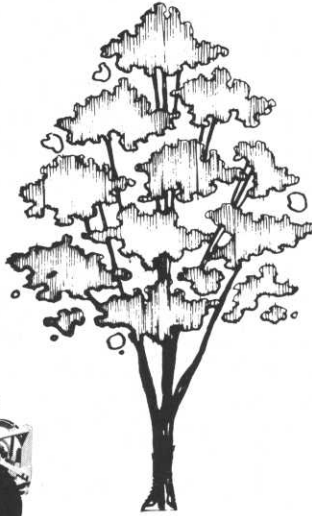
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MODEL 154 SELF PROPELLED SWEEPER



Model 154 Riding Sweeper gathers wet or dry grass clippings - leaves - rocks - bottles - papers - dead branches . . . all types of unsightly debris. 48" sweeping width. A real time saver!



Handles the big jobs with ease. Sweeps wet or dry. Patented rubber fingers provide positive removal of grass clippings, leaves, thatch, twigs, rocks, cans, bottles, paper, pine straw and other debris.

Covers a big five foot swath and has a capacity to hold a full five cubic yards of material in the hopper.

Unit is towed by a tractor with a standard 3-point hitch, and is operated from tractor power takeoff. Operator dumps hopper from tractor seat simply by activating the three point hitch.

81720 - 720 Sweeper w/3 point Hitch

MODEL 720 PULL BEHIND SWEEPER



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MODEL 40 BLOWER

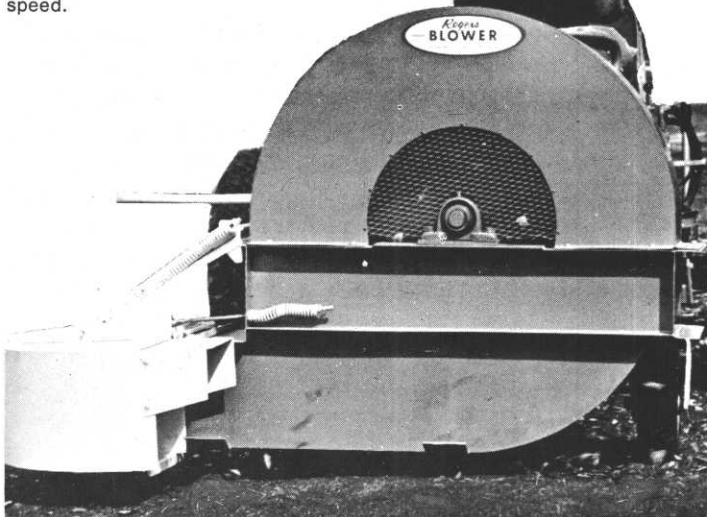
Heavy-duty Model 40 rides on pneumatic tires and has twin castor-type wheels for maximum stability.

Big twelve-bladed 36" impeller delivers air velocity many times hurricane speed.



The only truly heavy-duty blower now available, the Model 40's powerful 250 m.p.h. blast easily blows leaves, light snow, grass clippings and trash into windrows—saves up to 70% on sweeping time. An excellent means of clearing dew in minutes from work or play areas for early morning mowing or recreation.

The Jacobsen Model 40 Blower has proven itself by years of use on golf courses, cemeteries, schools, parks and airports. Its heavy-duty design with 3-point hitch, chain driven 36" impeller powered from P.T.O. and all-steel welded frame provides efficient one-man operation.



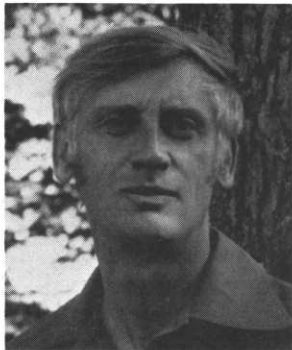
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MEET YOUR SUPERINTENDENTS !



FRED ANDERSON, golf course superintendent at the Mora Country Club, is one of the very active members of M.G.C.S.A. Even though Fred lives quite some distance from the location of most of the monthly meetings, he very rarely misses attending one. Fred became interested in turf care at a later stage in life and now has been at the Mora Country Club as superintendent for eleven years. A member of M.G.C.S.A. since 1966, Fred and his wife, Phyllis, have two grown sons, Fred, Jr. and Paul. Besides the normal hobbies of golf, hunting and fishing, Fred is also very interested in education as he served on the Mora School Board for twenty-four years.



LARRY MUELLER has been associated with the Minnesota Valley Country Club for the last sixteen years, three years as assistant to M.G.C.S.A. Life-Member Frank Chellis and thirteen years as head superintendent. His education has also been supplemented during this time by his participation in a winter turf school at the University of Illinois. Larry has been a member of M.G.C.S.A. since 1964 and is now serving his first term on the Board of Directors. As head of the Arrangements Committee, Larry has done an outstanding job organizing and planning the monthly meetings. Larry is also a member of G.C.S.A.A. and he and his wife, Joan, have a son, Brian, three, and one due any day now. When not at the golf course, Larry enjoys hunting, fishing and farming.

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NICK DUNN FETED

Nick Dunn, golf course superintendent at Hazeltine National Golf Club, Chaska, Minnesota received a 1977 "Citation of Performance" award from his professional organization at ceremonies closing the U.S. Women's Open Golf Championship tournament at his club.

The award, recognizing Dunn's overall managerial skills and special preparations for the tournament, is a major award given by the Minnesota Golf Course Superintendents' Association.

Nick joined the staff of Hazeltine in January 1975. In addition to meeting the U.S. Golf Association's requirements for the tournament, he also is responsible for the day-to-day conditions of the par 72 championship course that can be stretched to 7,400 yards.

Designed by Robert Trent Jones, Hazeltine has about 100 bunkers, many trees and ponds as well as moderately large greens.

USS Vertagreen Fall Fairway Fertilizer... We'll help winterize your fairways!



Hit the fairways this fall with an application of this great new USS Vertagreen fertilizer and you're on your way to fewer turf problems next spring. This quality product is ideal for fall fairway fertilization because it has a high potash analysis ... and that means less winter kill.

A soil test in the late summer or early fall will determine if

your fairways lack this vital nutrient. If they do, USS Vertagreen Fall Fairway Fertilizer is the answer because it's formulated with primary nutrients specifically for your area. See your USS Vertagreen distributor and he'll show you how to winterize your fairways this fall. Next spring you'll be glad you did.

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