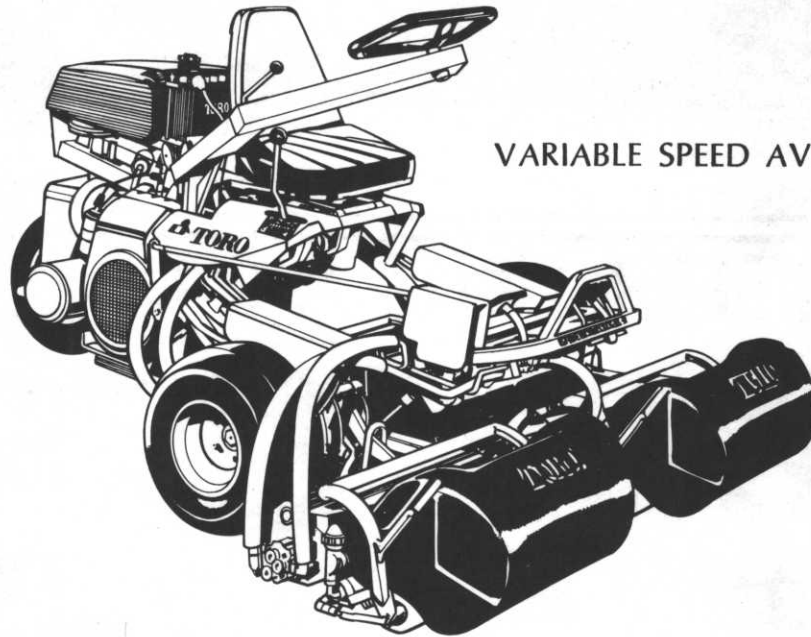


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HOLE NOTES

Official publication of the MINNESOTA
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LATE FOR STARTING TIME

A woman, about to have a baby, was rushed to the hospital. She was just a bit late, however, and had the child on the hospital lawn. When her husband asked for the bill a few days later, he noticed that the first charge read "Delivery Room fee - \$25."

The husband protested that the baby had been born not in the delivery room, but on the lawn. The deadpan clerk simply crossed out "Delivery Room fee - \$25" and wrote in its place, "Greens fee - \$25."



FROM THE PRESIDENT'S DESK

JOHN NYLUND

Isatys was the scene for our January meeting. About forty members were on hand for some angling, relaxing and conversation. We were treated to a great steak and walleye dinner that topped off our evening. I would like to thank Jerry Dubbs and Wally Benson for providing their facility to our association for our January meeting. It's really a welcome break in a normally cold month to have such a nice resort to visit. Thanks again very much!

This month it's on to Atlanta for the National G.C.S.A.A. Conference and Show! The dates are February 19 through 25. These shows get bigger and better every year and this year will be no exception.

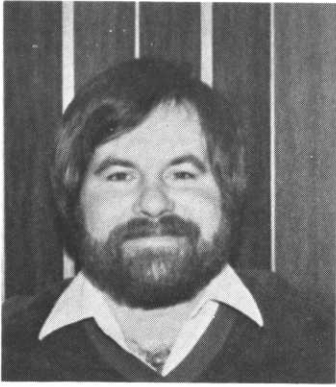
Jim Lindblad, Superintendent at Wayzata Country Club, is running for director at the National G.C.S.A.A. Conference. Jim has served as president as well as treasurer and director of M.G.C.S.A. The entire association wishes Jim the best of luck at the conference. It would be great to have a member of our association on the National G.C.S.A.A. staff. GOOD LUCK, JIM!

In March the U.S.G.A. Seminar will take the place of our Mini-Conference. There will be some very fine speakers so please make plans to attend. Further details will follow.

I would like to mention that a site has yet to be determined for our Annual Tournament in September. If anyone has any suggestions or can possibly host this event, please contact Russ Adams, our Arrangements Chairman.

I would like to remind everyone in February there will not be a monthly meeting.

SEE YOU ALL IN ATLANTA AND THE U.S.G.A.
SEMINAR IN MARCH!



SEASON TRANSITION CHANGES

Minnesota vs. Indiana

By Chris Hague, Hazeltine National Golf Club

Within the subject matter of this article I will touch upon two very important golf course management areas I have encountered and observed since beginning at Hazeltine National Golf Club; that being seasonal and turf program differences.

I come from an area where the golfing season usually started the third week of March and ended in early to mid-December. Here sometimes snow cover takes place by mid-November and golf season start-up is pushed into mid-April. I can remember beginning weekend mowing routines by mid-April many seasons because soil temperatures had warmed sufficiently to influence turfgrass growth.

Since being in the "NORTH" country I have found that not many courses are on crabgrass and other monocot pre-emergence programs. In my previous area it was not uncommon to put down four pounds active Balan or twenty-five pounds active Bensulide per acre per season for these purposes. Soil temperatures many springs were capable of crabgrass emergence by April 15 if conditions were correct. A good percentage of courses in the central Indiana area are spending from \$8,000 to \$15,000 to keep clean fairways, tees, greens and roughs.

Summer stress periods are longer than this area by some thirty days or so. With this comes more pressure for proneness to brownpatch, melting-out, anthracnose and pythium. It was common to have daytime temperatures average 85° to 95°F from the first week of June through mid-September with nights staying above 65°F. So as you can see 600 miles south makes a considerable difference in programming and timing a sound turf program.

As in all areas though, tradeoffs (good and bad) are always a strong contributor to the success of a Golf Course Superintendent in any region. In Indiana if a course was weakened seriously in the summer months there was extra seed germination and growing time in September, October, one-half of November and one-half of April to help put the course back into top condition. Here in Minnesota from my initial fall observation successful seed germination without frost damage is unlikely after September 1. For me this means I must learn to complete many projects one month earlier than my past experience has dictated. Minnesota superintendents have less time to make themselves look good before being thrown into the winter season.

Of course snow molds and winter kill desiccation is much more prevalent in this new area. Much more time, expense and planning takes place in this area just as pythium and anthracnose were looked upon in my prior southern area. Snow mold controls are essentially the same except that I believe Minnesota Superintendents treat more acres on the average per course and this is accomplished about one and one-half months earlier than in Indiana.

The challenge of a new golf course, members and region is demanding and interesting. But as always, for this superintendent that last ride around the course in the evening to view the accomplishments and beauty makes it all worthwhile.

MANKATO GOLF CLUB AND THE USGA

By Boots Fuller, Superintendent



As many of you already know, the Mankato Golf Club embarked on a greens and tees renovation program under the guidance established by the USGA. I would like to share some of our findings since Pat O'Brien, Turf Agronomist from the USGA Greens Section, visited our golf course back in September, 1980.

At that time we had just gone through a season of much pain, as heat, humidity, and excessive late summer rains practically decimated our golf course. Our greens and tees were under severe stress most of the summer. The presence of 80-90% poa annua on both greens and tees was obviously part of our problem. Certainly another part of the problem was the type of material in our greens and tees. Basically, we had clay material which tended to become very hard with the heavy play experienced at our course. The resulting compaction created other problems with the heavy late summer rains, and in an effort to "soften" up the greens the irrigation system was overextended and the mess which was created was more than even I cared to think about.

After some discussion, Pat O'Brien was called in and offered the following program as a guideline. His recommendations were implemented immediately. 1) Aerify with 5/8" tines spring and fall, remove cores, heavy topdress with 80-85% sand base material; 2) reduce irrigation to bare minimum; 3) more frequent spiking; 4) extensive overseeding program after each aerification and spiking, (we chose Penneagle for the greens and blends of Baron and Parade and Aquila bluegrass with Derby and Delray Ryegrass for the tees); 5) gypsum and sulfer application; 6) reduction of fertility to 1 1/2-2 lbs. nitrogen per 1000 sq. ft.

It was determined that our basic problem was no root system. Poa has short roots to begin with and what little else we had couldn't penetrate the hard and compacted soil. So the USGA program was designed to help us build a root system. The reasoning made sense to me. Keep the top soil loose with frequent aerifications and spikings, replace with heavy sand mix, and force the new seed to work to greater depths by not overwatering and over-fertilizing.

We also made some changes in our mowing program by taking the triplex greens mowers off the greens and replacing them with walk type mowers. The triplex mowers only added to the compaction problems. We now mow greens and collars with "walkers" although we still mow tees with the triplex mowers. Through 1981 and 1982 we had to make some additional modifications, such as adding potassium to the greens, raising the sand content to 85-90% level and adding iron sulphate. But basically we are still on the same program that we initiated in late 1980.

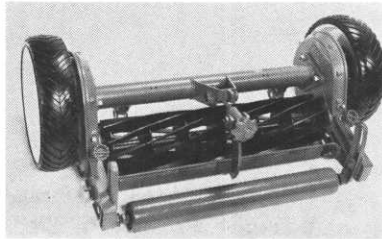
We have had soil tests taken twice since we started this program to monitor changes that are occurring with the turf management practices we are using. Results are already beginning to be noticed. The resiliency of the greens is without question the most significant factor noticed by the golfing membership. Progress is being made in this area. Our greens are greener, smoother, faster; the Penneagle is cutting into the Poa population; and the root system is definitely deeper than ever; thereby giving us what we feel is better resistance to disease. We are safely cutting our greens at 1/8" or less and with the vertical mowing program, the quality of the putting surface is the best that I can ever recall. During the summer of 1982 we consistently rolled between 9 1/2 and 10 1/2 feet on the Stimpmeter. We cut our tees at 5/16" and the same type of quality is present there.

There is little doubt that we shall continue to follow the USGA guidelines throughout 1983. Our relationship with Stan Zontek and the entire USGA staff has been super. We know that our continued success in developing high quality golfing turf depends, in part, on maintaining that close relationship.

TORO INTRODUCES 11 BLADE MOWER

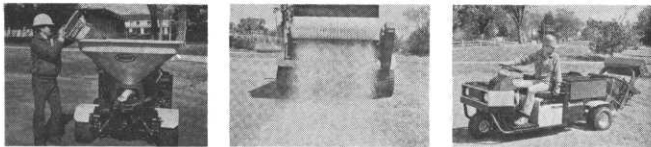
The Toro Company has introduced its new Reelmaster 11 blade reel mower to Golf Course Superintendents and other grounds supervisors who have ultra formal turf mowing requirements.

Toro points to several design features when explaining the Reelmaster 11 blade's performance. The mower has eleven blades, to achieve the least visible clip (.58"). The mower's height of cut range is 3/8" to 1-1/2". The mower's reel diameter has been kept to 7". According to Toro, this gives the mower more cutting force at the cutting point to reduce wheel slippage when cutting in low, dense or wet grass. The Reelmaster 11 blade is designed with the bedknife positioned just .65" behind the center line of the reel. The advantage of this design, Toro explains, is that it reduces the number of stragglers, or uncut blades of grass, left by the mower whether cutting with or against the grain. Besides the Reelmaster 11 blade mower, Toro offers the Spartan 7 blade mower for formal cutting and the Spartan 5 blade for semi-formal cutting.



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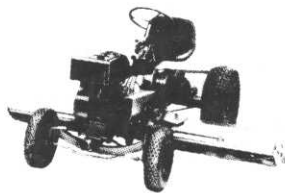
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EDITOR'S CORNER

By Boots Fuller

Editorial Chairman - MGCSA

I am writing my first message to the membership since being appointed editorial chairman of the HOLE NOTES by President John Nylund. In the two years I have been on the Board of the M.G.C.S.A. I have had the opportunity to meet and know many of our members. I agree with John when he stated that there is a lot of talent in our association

and would have to believe that many of you out there would be willing to make contributions to the HOLE NOTES. I plan on tapping this resource and would encourage those of you who have things to share to come forward and volunteer your talents. I also plan on calling upon many of you to come right out and contribute your skills so don't be surprised if you are tapped by me some month.

I'm sure that many of us are wrapped up in shop work, snow removal, vacation planning or otherwise just looking for the right situation to relieve some of the tension and stress of the summer part of our jobs. Now might be a good time to assess your golf course, its needs, changes and plans for the upcoming season. This could also be a good time for you to come up with information you might be willing to share. As others read your articles, this might create more ideas which in turn might create a better HOLE NOTES WHICH THEN WOULD BECOME A REALLY INTERESTING NEWSLETTER OF CONCERN TO ALL OF US. It is my hope as editorial chairman to get as many of our members involved in this newsletter as possible.

In addition to regular features you have noticed in the past, I want to add three new features on a regular basis. First, an editor's corner will be written by me each month. Here I would like to keep everyone informed on what is going on with the membership, kind of like that old "greens clippings" section. So any bits of information about anyone or anything would be appreciated. Second, an associate member's corner will be passed around and, in time, all our associate members will be asked to contribute articles. When you are called for a contribution, it is my hope that the response will be favorable. The first article will appear in the March issue and will be put together by someone from the R. L. Gould Co. Please watch for it. Third, a regular appearance of two articles per month from our regular membership. This month has articles written by Boots Fuller on the USGA program at Mankato Golf Club and Chris Hague from Hazeltine National Golf Club on his reflections about his first winter in Minnesota. Please read these articles and offer suggestions to me about topics and ideas for upcoming articles and contributors. If you are called upon to contribute, please respond. I know a lot of people so your chances of "escaping" me seem pretty remote.

I saw several of you at the R. L. Gould Seminar at the Sheraton-Northwest on January 5. It was a super day and many thanks are due Gordy Miller and his entire staff for a job well done. They also presented that same seminar in St. Paul and Moorhead.

The Atlanta Conference is coming up quickly so make your plans. Remember to save time in March for our mini-seminar which will be put on by the USGA and then, watch out, back to Mankato for the April meeting and the golf scene will be back.

I wish all of you the very best in 1983 and hope to see many of you in Atlanta and at the mini-seminar and, hopefully, in Mankato in April. Please contact me in Mankato with any ideas or suggestions you have for the HOLE NOTES. The HOLE NOTES will be just what you want it to be, no more or no less, so please contribute.

FEBRUARY IS NEW MEMBER MONTH

By Kerry Glader, Membership Chairman



NOW IS THE TIME WHEN THE GOLF COURSE SUPERINTENDENT HAS SOME TIME TO DO SOME THINKING AND ACTING ABOUT THE FUTURE!

One of the things that a member of the M.G.C.S.A. can do is to recruit a new member. Just sit down and think of the possibilities and I'll bet you can come up with one name of a prospective member. Pick up the phone and give him or her a personal invitation. Send the application blank included in this issue of HOLE NOTES and then accompany him or her to the next monthly meeting.

We will all work at making the new member welcome which is another area that can stand some improving. More members mean more income but more importantly, more talent and more opportunity to exchange ideas.

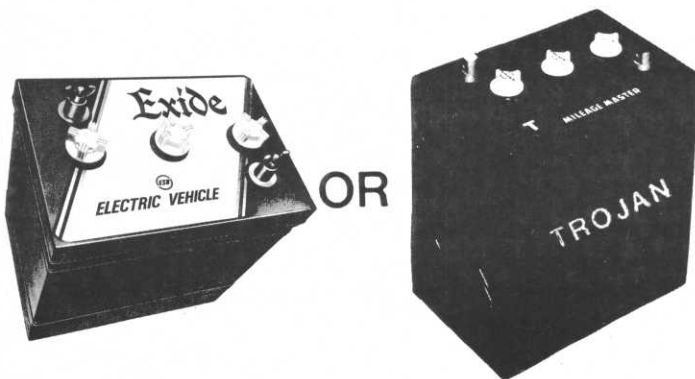
Speaking of income, the 1983 DUES STATEMENTS ARE OUT AND PAYABLE IMMEDIATELY! Make sure you get your dues paid promptly so that you are assured your place in the 1983 ROSTER. While on the subject of memberships, if you are not a G.C.S.A.A. member, please give it a good look. This organization is definitely on the move and big things will be happening in the next few years. Most often the dues to this national organization will be paid by your golf club if you let them know you want to be a member.

**RECRUIT
A NEW MEMBER!**



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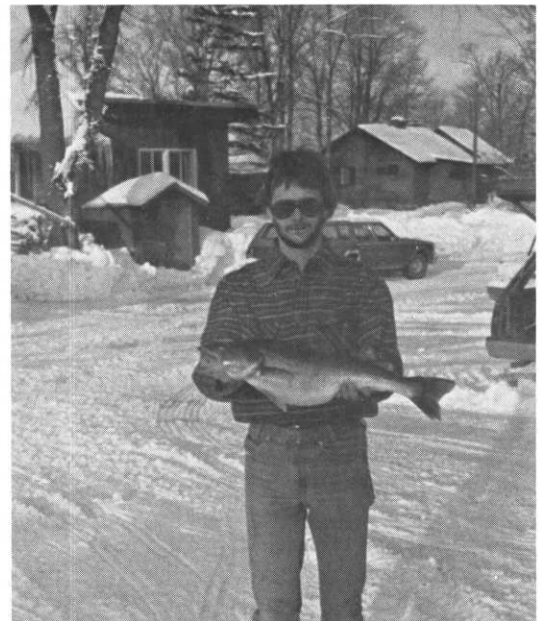
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I HEREBY APPLY FOR MEMBERSHIP IN THE MINNESOTA GOLF COURSE SUPERINTENDENTS' ASSOCIATION:

PLEASE PRINT OR TYPE

NAME _____ AGE _____ SINGLE _____ MARRIED _____

HOME ADDRESS _____ HOME PHONE: A/C _____ WIFE'S NAME _____

CITY _____ STATE _____ ZIP _____

CLUB/FIRM _____ WORK PHONE: A/C _____

CLUB ADDRESS _____ CITY _____ STATE _____ ZIP _____

SEND MAIL TO HOME ADDRESS () CLUB ADDRESS (). PLEASE CHECK ONE.

MY PRESENT POSITION IS _____

LENGTH OF SERVICE IN PRESENT POSITION _____

I AM APPLYING FOR CLASS: (PLEASE CHECK ONE)

- \$30.00 _____ CLASS A SUPERINTENDENT FOR THREE YEARS OR MORE.
- 30.00 _____ CLASS B SUPERINTENDENT MORE THAN ONE YEAR BUT LESS THAN THREE YEARS.
- 30.00 _____ CLASS BII SUPERINTENDENT FOR LESS THAN ONE YEAR OR AN ASSISTANT SUPERINTENDENT.
- 20.00 _____ CLASS C STUDENT
- 20.00 _____ CLASS D TECHNICIAN
- 30.00 _____ CLASS E AFFILIATE: GROWTH, MANAGEMENT OR PRODUCTION OF TURFGRASS
- 40.00 _____ CLASS F ASSOCIATE MEMBER

AMOUNT ENCLOSED: \$ _____. ONE YEAR'S DUES MUST ACCOMPANY THIS APPLICATION.
REFUNDED IF NOT ACCEPTED. PAYABLE TO M.G.C.S.A.

I PROMISE TO OBSERVE AND ABIDE BY THE BYLAWS OF THE ASSOCIATION.

DATE _____ APPLICANT'S SIGNATURE _____

OVER

Each applicant for membership in the Association shall furnish satisfactory evidence of his or her qualifications to the Executive Board by completing the application form and include a recommendation from one qualified professional in the turf industry. The applicant must mail the application form to the Executive Board, include one year's dues and indicate which Board meeting he or she would like to attend. This must be within a six month period from date of application. The Board will (1) review application; (2) interview applicant; (3) approve or disapprove applicant; (4) approved applicant will become a member; (5) new member will then be introduced at the regular meeting which followed Board approval. If the applicant fails to complete all steps, the application will be destroyed and no monies will be refunded. Applicants for Class F are exempt from the Board interview.

APPLICATION MUST BE SIGNED BY ANY QUALIFIED PROFESSIONAL IN THE TURF INDUSTRY TO CERTIFY RELIABILITY OF APPLICANT. THE INDIVIDUAL ATTESTING THIS APPLICATION MUST BE WILLING TO LEND VERBAL SUPPORT TO THIS APPLICANT.

ATTESTED _____ CLUB/FIRM: _____

ADDRESS _____ TELEPHONE: _____

APPLICANT:
SHORT RESUME OF YOUR PREVIOUS OR PAST EMPLOYMENT. _____

PLEASE CHECK WHICH BOARD MEETING YOU PLAN TO ATTEND: JANUARY ___ MARCH ___ APRIL ___
MAY ___ JUNE ___ AUGUST ___ OCTOBER ___ NOVEMBER ___ DECEMBER ___ (FEBRUARY, JULY
AND SEPTEMBER NO BOARD MEETINGS). MEMBERSHIP CHAIRMAN WILL INFORM APPLICANT OF TIME
AND DATE FOR MONTHLY MEETING SELECTED.

YOUR MEMBERSHIP APPLICATION WILL BE PROMPTLY PROCESSED BY THE MEMBERSHIP COMMITTEE.

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