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TURF SUPPLY COMPANY

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(612) 454-3106

HOLE NOTES

Official publication of the MINNESOTA
GOLF COURSE SUPERINTENDENTS'
ASSOCIATION

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SUPER PRIZE

There will be a gift certificate given away at the Turf Conference just before adjournment for \$175.00 to be used for a trip of the winner's choice. The catch is you must be present to win. With the great speakers and timely subjects everyone will be there anyway so this is a real extra bonus.



FROM THE PRESIDENT'S DESK

JOHN NYLUND

Our thanks go to Dick Grundstrom and Indian Hills Golf Club for a great October meeting. The day included a fine lunch, golf and an equipment display by Bryan Equipment. Lucky winners of two chainsaws were Russ Adams and Tony Magina. The chainsaws were donated by Bryan Equipment.

Coming up on November 14 is our Hanson House meeting with Long Lake Ford. This has always been a popular meeting so plan to attend.

Later in November is our Annual Conference. Conference Chairman Jim Wodash has been very busy arranging speakers and final details for the three day meeting. Jim has a great lineup of speakers so get your advance registration in early.

You have all received the report of Larry Mueller's Nominating Committee in a special mailing. These fine gentlemen have indicated their willingness to serve our association. Additional nominations can be made from the floor at the Annual Business Meeting in case we have overlooked some excellent talent.

Mark Smith's Bylaws Committee felt a formal Code of Ethics should be included in our bylaws so that addition has also been sent to all of you in a special mailing. We hope you will agree with us and vote accordingly.

I would like to give special thanks from our association to our Associate Members and their companies. They are a valuable asset to our association, our monthly meetings, HOLE NOTES and our Annual Conference. I urge all members to show their appreciation to them at monthly meetings and our conference Bull Session. Please make it a point to know your Associate Members and patronize their businesses.

PLANNING ?

Why Waste The Time!

by RANDALL NELSON

SUPERINTENDENT OWATONNA COUNTRY CLUB

My nine years as superintendent of Owatonna Country Club has been very rewarding to me personally and has been a tremendous learning experience. I took over the superintendent's job in April of 1975 with a four inch snow covering a course which I had never seen and which was just maturing from an expansion from nine to eighteen holes two years previous. Upon departure, the previous superintendent informed me that one week after seeding a 100 year storm hit with six inches of rain falling in less than four hours. I felt as though only Noah could have had it worse.

As the snow cover relinquished its grip on the course, I saw what today has been a nine year reconstruction of a poor construction job initially. And I have to say, the reconstruction is by no means nearing completion. Mother Nature can raise havoc with even the best landscaped course; however, as I know first hand, a poorly constructed course is devastated even more. I am writing this article to offer my suggestions to other nine-holers thinking about expanding to eighteen. My experiences at Owatonna have encouraged me to highlight six points which may help others to do more thinking before they take the plunge.

1) Plan. Before all else, talk with members, owners, all involved parties and develop a long range plan for the course. This stage costs nothing and yet is probably forgotten before many construction jobs. One never knows how big an operation may become. Just dream and jot down ideas to discuss with the architect.

2) Borrow Big. This statement may scare some individuals, but there is never a better time to do it right and spend what needs to be spent than during the initial construction. In Owatonna's case alone our reconstruction costs over nine years has roughly equaled the initial construction costs. So as the old saying goes, "Pay now or pay later".

3) Choosing An Architect. Check out the reputation and past performances of the architects who seem comfortable to work with. Everyone playing the future course will in all actuality be playing the personality of the architect. A membership of 36 handicappers may not enjoy a 200 yard carry over sand and water which only an architect with Pete Dye's ingenuity could have imagined.

4) Scrutinize Construction. In my case I can't emphasize this point enough. A knowledgeable individual must be on the site daily to monitor progress and eliminate unforeseen maintenance and playability problems. There are bound to be problems despite constant supervision, but most will have been remedied before seeding.

5) Irrigation. Providing the best irrigation system, preferably automatic, at the time of seeding will in my mind save more money over the life of the operation than the initial cost of the system.

6) Financially Sound Maintenance Practices. From the moment the seed has germinated an annual maintenance budget must be provided to bring about the plan which was originated in the plan stage. It makes no sense to envision a championship course, pay for the construction and then try to maintain the course on less than the needed budget.

Expansion impacts the entire operation of a club so before wasting time and money redoing, spend a great deal of time considering these key points and more importantly, plan what the goal is to be.

IMPORTANT PROXY NOTICE

THOSE VOTING MEMBERS WHO DESIRE TO VOTE BY PROXY SHOULD GIVE A SIGNED PAPER OF INTENT TO AUTHORIZE A VOTING MEMBER OF THEIR CHOICE THE RIGHT TO CAST THAT VOTE AT THE ANNUAL MEETING ON WEDNESDAY, NOVEMBER 30, 1983.

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THE BLUE AND THE GRAY

by JAMES R. ANDERSON
SUPERINTENDENT WICHITA FALLS C.C.
WICHITA FALLS, TEXAS

After spending two years down here in north Texas (pronounced Norttexas, one word), I thought I would tell ya'll about the joy of growing turf in the south.

First I should tell you a little about my club. Wichita Falls Country Club was built before my dad was born and constructed using the finest "gumbo" (right center, soil textural classes triangle) available. The term "internal drainage" had not yet reached this area and external drainage would be taken care of by the Texas wind. The greens were seeded/sprigged in the finest combination of 328 and 419 Tif, Congressional, Washington, and Seaside bentgrass, and a fair amount of Poa annua. Throughout the years the greens were managed in such a way as to not allow one single variety to dominate, although the Poa annua was making a strong bid. The tees, collars, and fairways consist of common bermuda with a fair amount of weeds. The weed control program in the past was an application of ammonium nitrate or ammonium sulfate in mid-June, no water, and burning the weeds out. Cost wise it was cheaper than herbicides but aesthetically it didn't really work out.

My first inclination was a good old fashioned "Caddyshack" blowup and blame it on gopher eradication, but the golfing membership wouldn't even think of playing on temporary greens longer than a day. We decided to go the USGA route, 5/8" tines, loads of sand, overseeding with Penncross spring and fall, chop the N and water down, and a bunch of slit trenches. This program seems to be working but we are years from being where I want us to be. Maybe my new greens committee chairman will get into the gopher eradication program.

Wichita Falls is something of an oddity in itself. We generally have the record high and record low in the state of Texas. The spring of '82 we had

back-to-back 100 year rains and 80% of my golf course was under 3 foot of water. This year we have managed only .4" since mid-May. The only climatic condition you can rely on here is that it is gonna be hot. This summer we would have set the record for most consecutive days above 100 degrees but a cool front moved in the first part of August and for two days straight the temp could only manage to get up to 97 degrees. This coupled with the wind that always blows from the southwest tends to put the bentgrass in a weakened state to say the least.

Chemically there isn't much we could do and with the inconsistency of the soil under our greens, automatic syringing was out of the question. The only answer was to change our cultural practices. We started by raising the height of cut from 5/32 to 1/4 and decreasing our mowing schedule to just Tuesday, Thursday, Saturday and Sunday. Starting at 10:00 each morning, 3 men were sent out to hand syringe any "hot spots" that may develop. Even with the syringing, the long, dry summer resulted in some "thinning" but no areas of complete die out.

With heat such a problem and temporary greens out of the question, we decided to replace our antiquated irrigation system. We knew that the new system would cost approximately 1/4 million and we didn't have that kind of money lying around. We also knew we would have a mutiny on our hands if we tried to assess the membership because they had been assessed \$1,000 the year before for clubhouse renovation. Finally we came up with the idea of selling bonds. We set it up at staggered payback periods with a competitive interest rate. We obtained the money to pay back these notes by taking a small amount out of every members monthly dues. The bonds sold quickly because the membership knew they were helping out the course plus getting a financial payback for their money, not just an assessment payout. That winter we installed a new irrigation system and pump station which, in Texas, is a necessity.

Something that I had never even thought about in Minnesota but experienced here are Nematodes. After the flood of '82 we

continued on Page 6

started experiencing our turf becoming stunted, chlorotic and generally thinning out. It acted like Curvularia, but every chemical treatment I tried failed to bring about results. Finally one of the chemical sales reps suggested we try a Nematode count. There was a yellowish line on the outer perimeter of the dead areas and we took our sample from that area and outward approximately 6". These samples were sent in and the results came back positive. I had such a good crop of Nematodes that if there was a market for the little fellas and we could harvest them, the club would have made enough money to rebuild all the greens. Needless to say we started a program to rid us of these guys and because you can't get rid of them all without gassing, we applied Nema-cur twice a year, late spring when soil temp was greater than 55 degrees, and in early fall before the temps drop off. We didn't have much problem this year but I just sent another sample in to get a population level and most likely will continue to retreat as long as I'm here.

Weeds seem to flourish quite nicely down here. In the bermuda grass they are not much of a problem with all the chemicals

available. We have both a pre- and post-emergence program to kill the dallisgrass, crabgrass, and goosegrass. Pre-emergence treatment of benefin and oxadiazon seem to work well, but with the long growing season we still have the spray rig on the back of the Cushman all summer long spraying metribuzin mixed with MSMA. One nice thing about Texas is the fact that when the bermuda grass goes dormant, we can go out and spray our tees, fairways, and around the greens with glyphosate at 1 qt./A and knock out the winter weeds (POA mostly) without harming the bermuda. One thing that isn't so nice is the weed problem on the greens. Bensulide is the safest pre-emergence herbicide but does little in the control of goosegrass. Also the bermuda encroachment into the greens can become quite severe during the summer. Goosegrass control is simple--hand weed it out. The three men who syringe greens spend the morning, (7-10) going around pulling out any goosegrass they find. The encroachment problem is handled by edging the green every Monday and spraying a strip of siduron on the green side of the edge. This helps with the

continued on Page 7

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save you
time
and
money.**



Hybrid varieties but the common bermuda must be hand weeded out. These practices are time consuming and expensive, but left unchecked, can just about overtake a green in one summer.

All in all, I would have to say moving to Texas has been an experience. Professionally speaking, I've learned and had to learn more in dealing with different grasses, different climatic conditions, and growing bentgrass twelve months of the year. Personally, I've learned to shift down a gear. The attitude of the people here seems to be more of an easy-going, "good-ol'-boy" type of thing. I really miss the four seasons versus the two we have down here. I guess the thing I miss the most is when all your equipment is ready for next year, there is 3 foot of snow on the ground, and you know spring isn't for another two months. If any of ya'll are ever down in Texas feel free to stop in..would like to see some Yankees any chance I can.

BOB HOPE TO RECEIVE OLD TOM MORRIS AWARD

Bob Hope has been selected to receive the Old Tom Morris Award from the Golf Course Superintendents Association of America. The award is one of the most exclusive major honors in the world of golf. Selection of award winners is made on an unscheduled periodic basis, and Hope will be only the second recipient. The first was Arnold Palmer.

Hope is scheduled to receive the award during GCSAA's 55th International Turfgrass Conference and Show to be held in Las Vegas, Nev., Jan. 29-Feb. 4, 1984. The presentation will be made at GCSAA's annual banquet the evening of Feb. 3 at the MGM Grand Hotel.

'Old Tom' Morris--the first 'superstar' of golf--was a greener, golf professional, club and ball maker, golf course architect and accomplished player who won four British Open Championships between 1861 and 1867."

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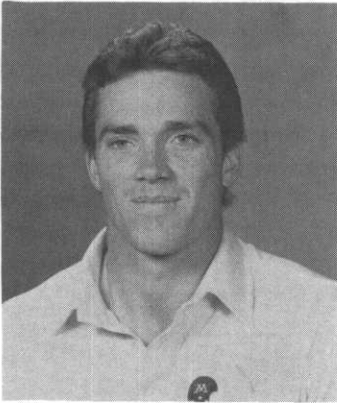
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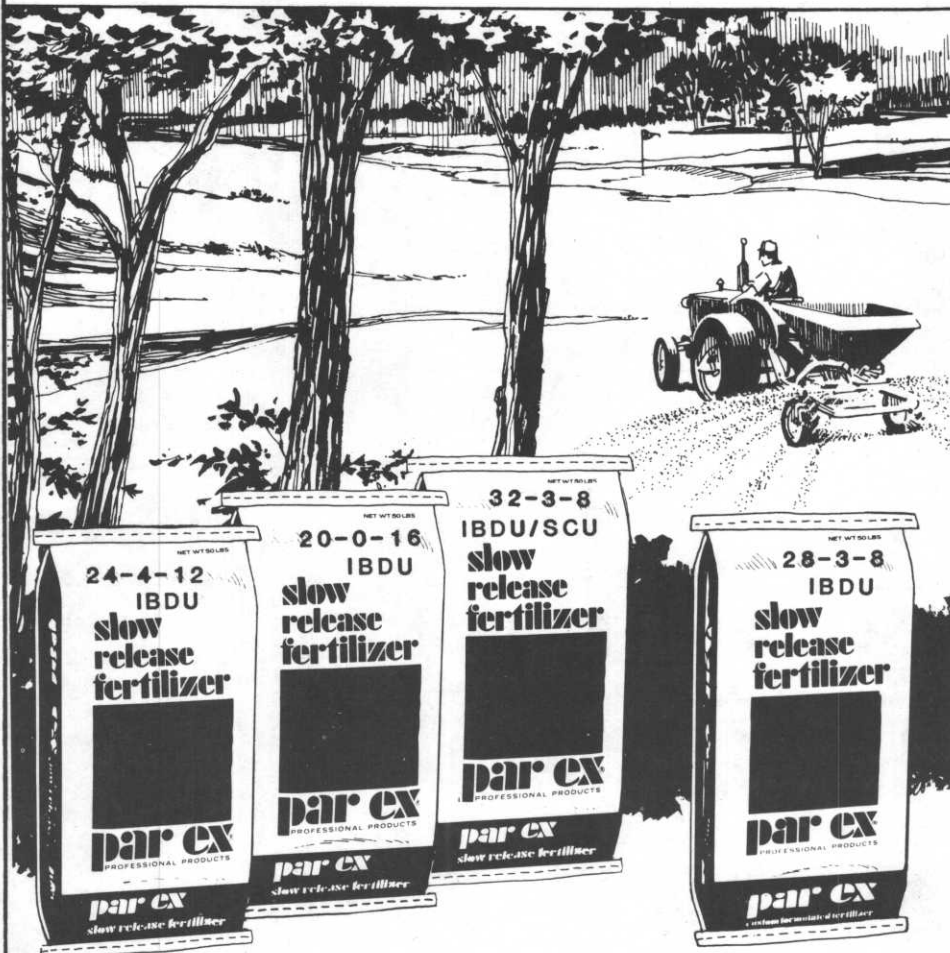
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**TURF CONFERENCE PRAYER BREAKFAST - THURSDAY, DECEMBER 1
FEATURING JAY CARROLL - UNIVERSITY OF MINNESOTA**



Jay Carroll, a senior from Cotter High School in Winona, Minnesota was an all-around student-athlete there...earned ten letters in football, basketball, track and golf...was an all-conference football selection for three successive seasons...gained all-state honors in football as a senior and then selected to the Catholic High School Coaches All-American team...was Cotter's MVP as a senior...caught 25 passes for 590 yards and 10 touchdowns during his final prep campaign...had an outstanding sophomore season at Minnesota when grabbing six touchdown passes including three in 35-31 win over Ohio State...slowed with injuries during the '82 campaign but still managed 15

grabs...sat out spring drills in hopes of being fully mended by this fall. Jay is 1983 President of Fellowship of Christian Athletes and will speak at 7:30 a.m. on "How should a Christian respond to adversity and stress?"



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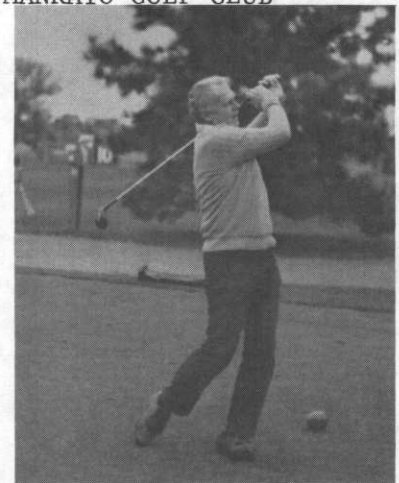
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MARK AND PAT JOHNSON

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7:30 A.M.

56th Turf Conference & Annual Meeting

November 30, December 1 & 2, 1983



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For further information call Dale Caldwell at 612/646-7121 or Jim Wodash at 612/235-8233. The lower form is for superintendents who wish the total cost of the conference shown in one figure. Lunch is included in registration fee for all three days. Two banquet tickets are included in the total amount in the lower form. Please make room reservations directly with the Sheraton Inn-Northwest. Inform them of your association with M.G.C.S.A.

ADVANCE REGISTRATION

56TH ANNUAL TURF CONFERENCE AND BUSINESS MEETING
 SHERATON INN NORTHWEST, BROOKLYN PARK (MPLS.), MINN.
 NOVEMBER 30, DECEMBER 1 & 2
 1983

NAME	NON-MEMBER	M.G.C.S.A. DAILY FEE	BANQUET TICKET	STUDENT DAILY FEE
	\$18, \$25, \$25	\$16, \$20, \$20	\$20.00	\$12, \$15, \$15
	\$68 TOTAL	\$ 56 TOTAL		\$42 Total
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
			TOTAL ENCLOSED	\$ _____

MAKE CHECK PAYABLE TO M.G.C.S.A.
 SEND TO: JAMES WODASH
 512 EAST 3RD STREET
 WILLMAR, MINN. 56201

ADVANCED REGISTRATIONS MUST BE RECEIVED BY NOVEMBER 22, 1983.

ADVANCE REGISTRATION

56TH ANNUAL TURF CONFERENCE AND BUSINESS MEETING
 SHERATON INN NORTHWEST, BROOKLYN PARK (MPLS.), MINN.
 NOVEMBER 30, DECEMBER 1 & 2
 1983

NAME	MGCSA CONFERENCE PROCEEDINGS	TOTAL
	NON-MEMBER	-\$ 96.00 -\$108.00
	STUDENT	-\$ 82.00
_____	_____	_____
_____	_____	_____
_____	_____	_____
		\$ _____

MAKE CHECK PAYABLE TO M.G.C.S.A.
 SEND TO: JAMES WODASH
 512 EAST 3RD STREET
 WILLMAR, MINN. 56201

ADVANCED REGISTRATIONS MUST BE RECEIVED BY NOVEMBER 22, 1983.

1983 TURF CONFERENCE SCHEDULE

WEDNESDAY, NOVEMBER 30, 1983

10:30 A.M. REGISTRATION. Attendance at this session will qualify superintendent with pesticide applicator license for recertification.

12:00 P.M. LUNCH

1:00 P.M. WELCOME - John Nylund

1:15 P.M. PESTICIDE LAWS - Wayne Dally

1:45 P.M. WEEDS - Dick Berons

2:15 P.M. INSECTS - Mark Aszerno

2:45 P.M. COFFEE BREAK

3:00 P.M. DISEASES - Dr. Ward Stienstra

3:30 P.M. AQUATICS - Howard Krosch

4:00 P.M. ANNUAL MGCSA BUSINESS MEETING
ELECTION OF OFFICERS

SEMINAR FOR ASSISTANTS AND MECHANICS

1:00 P.M. MINNESOTA TORO INC. SPIN GRINDING

1:40 P.M. SCOTTS PRO TURF SLIDE PROGRAM

2:20 P.M. R.L. GOULD & CO. HYDRAULICS

3:00 P.M. COFFEE BREAK

3:15 P.M. CUSHMAN MOTOR CO. TRUCKSTER MAINT.

THURSDAY, DECEMBER 1, 1983

7:30 A.M. REGISTRATION

7:30 A.M. PRAYER BREAKFAST

9:00 A.M. DON WHITE

9:30 A.M. LESSONS LEARNED IN 1983
Stanley Zontek

10:30 A.M. UNDESIRABLE SIDE EFFECTS OF TURF-GRASS FUNGICIDES - Dr. Houston B. Couch

11:15 A.M. PYTHIUM INDUCED ROOT DYSFUNCTION
Dr. Clinton F. Hodges

12:00 P.M. LUNCH

1:00 P.M. GAEUMANNOMYCES - Dr. Joe Vargas

2:00 P.M. BULL SESSION - Area Distributors

6:30 P.M. COCKTAILS

7:30 P.M. DINNER

9:00 P.M. ANCIENT AGE-Dancing until 11:30pm

FRIDAY, DECEMBER 2, 1983

7:30 A.M. INDUSTRIAL RELATIONS COMMITTEE MEET.

8:00 A.M. REGISTRATION

9:00 A.M. G.C.S.A.A. REPRESENTATIVE

9:45 A.M. WEATHER - Dr. Walt Lyons

10:30 A.M. COFFEE BREAK

10:45 A.M. FACTORS COMPLICATING HELMINTHOSPORIUM - Dr. Clinton Hodges

11:30 A.M. DR. WARD STIENSTRA

12:00 P.M. LUNCH

1:00 P.M. RELATIONSHIP BETWEEN FORMULATION TYPE, GALLONAGE & NOZZLE TIP SIZE
Dr. Houston B. Couch

2:00 P.M. SUPERINTENDENTS' PANEL
Randy Nelson, Moderator

3:00 P.M. ADJOURN

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