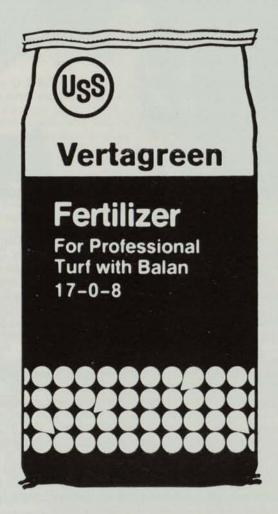
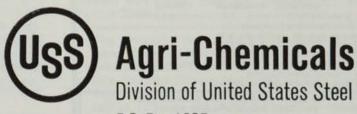
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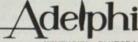
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Dr. Al Happy Turgeon



Dr. Al Turgeon with his \$1,000.00 check.

On September 20, 1979 a meeting of the West District Golf Team matches was held at Edgewood Valley C.C. This golf event is made up of twelve country clubs and the Superintendents from each club attended except for one. The Supts. were: <u>Carl Hopphan</u>, Aurora C.C., <u>Peter Leuzinger</u>, St. Charles C.C., <u>Fred Opperman</u>, Glen Oak C.C., Carl Landgrebe, Hinsdale G.C., Alan Fierst, Oak Park C.C., Art Benson, Jr., Butterfield C.C., Ray Schei, Ruth Lake C.C., Ed Stewart, River Forest G.C., Roger Stewart, Riverside G.C., Don Pakkala, Medinah C.C. and Harold Frederickson, Edgewood Valley C.C. was our genial host. Dr. Al Turgeon from the Univesity of Illinois was present to accept a \$1,000 check to be used for turfgrass research work. You may ask where did the \$1,000 come from? During the past golf season each member player contributed \$1.00 each time he played in the team matches. This was a wonderful suggestion by the West District Team Committee. It is hoped other golf leagues will see the many benefits that will come from donations of this kind and will do the same.

Dear Ray:

Congratulations on passing the eighty year mark. You are still doing the type of job that no one would expect from a much younger person. Keep up with the good work and I wish you many more birthdays.

Erik Madisen, Jr. Editor, Park Maintenance

The M.A.G.C.S. Annual Dinner Dance is November 10th and will be held at Carriage Green Country Club in Darien, Illinois. A Dinner Dance notice will be forth coming - within the week.



Editor

MIDWEST BREEZES

The golf season is about over in the Chicago area. Some Superintendents say they are glad the season is over, others have different feelings. It all depended on which side of the fence one was on.

The U.S.G.A. National Seniors Amateur Golf Championship was held at Chicago Golf Club on September 17 thru the 22nd, 1979, 144 players started the event. It was match play and the field was cut each day after the first two days of play. The weather was perfect for golf or any outdoor activity. The golf course was in super playing condition. Don Gerber, Supt. is to be congratulated on the wonderful job he did. There were some good scores posted and Mr. Bill Campbell from Virginia was the winner. Many expressed their feeling in regards to having the privilege to play their senior championship on a golf course such as Chicago Golf Club. The architectural design is entirely different than those that have been designed by our present golf course architects. This is one of the things that has made Chicago Golf Club unique. This is also Don Gerber's 25th anniversary as Supt. at Chicago Golf Club. This along with the U.S.G.A. National Seniors Amateur Championship Golf Tournament should go down in the history books at Chicago Golf Club.

<u>Donald Arthur, Jr.</u> came to live with his parents <u>Donald Sue Hoffman</u> at Timber Trails C.C. on September 16, 1979, weighing in at 7 lbs., 19 inches in length. Congratulations!

Dear Ray:

Just a note to say how much I appreciate receiving **The Bull Sheet** each month. Covering a six state territory for the NGF at times leaves little time for catching up on the golf scene in Chicagoland. The informative nature of your publication, and especially the warm manner in which it conveys the activities of your membership, reflects the sincere dedication with which each individual involved with its publication contributes his time.

I trust you are receiving copies of our Golf Market Report and/or Golforum publication from headquarters. If not, do let me know and I shall see that you are put on the mailing list.

Looking forward to meeting you personally in the near future!

Lorraine Abbott Regional Director, National Golf Foundation

Editor's Note - It is letters like this that gives the editor new strength to continue.



John Lapp, Host Supt. October 9

Our M.A.G.C.S. October 9 meeting held at St. Andrews C.C. was attended by a large turnout. Several of them battled the wind to play golf on a super conditioned course made possible by the hard work of Supt. John Lapp. The dinner and service was exceptionally good. Roger Brown, sales representative of Anderson Fertilizer Co. gave a very interesting presentation on sulfur coated fertilizer. I am sure we all came away with considerable knowledge in fertilizer.

Our annual meeting will be held at Cypress Inn on November 5. Cypress Inn is located at the corner of the Tri-State Toll Rd. (294) and Ogden Ave. in Hinsdale, IL. Come and vote for the candidate of your choice.

SLATE OF OFFICERS & DIRECTORS FOR 1980

President: Edward Fischer, CGCS

First Vice President: Leonard Berg, CGCS

Edward Smith

Second Vice President: John Berarducci

Thomas Vieweg

Sec./Tres.: Dave Meyer

Directors: Three to be elected for a two year term (1) Bruce Burchfield, (2) Don Hoffman, CGCS, (3) Timothy Kelly, (4) Timothy Miles, (5) John Stephenson, (6) Roger Stewart

POSITION OPEN

Golf course superintendent wanted for 18 hole private country club at Ravinia Green C.C., 1200 Sanders Rd., Deerfield, IL 60015. Contact **Burton Hoffman**, phone 372-6367.

POSITION OPEN

Superintendent wanted - Yacht C.C., Stewart, Florida. Contact Van Carey, 3883 S.E. Fairway E., Stewart, Florida 33494.

The sympathy of the members of the Midwest Association of Golf Course Superintendents is extended to the Graffis family due to the death of Mrs. Dorothy Graffis. Herb and his wife Dorothy lived in a northern suburb of Chicago until he retired 12 years ago. At this time they moved to Ft. Myers Beach, Florida. Herb was a golf writer and the golf course Supts. were always on his side. This we must never forget.

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WHEN THE FROST IS ON THE PENNCROSS

When the frost is on the Penncross and the water line is drained, And ever Southward go the golfers. Cads and Jags so aimed, Hear the rustle of the leaves as they cover rough and green ... And traps and tees and fairways ... and most everywhere between;

Oh, it's then's the time a feller is a feelin' at his best With the risin Sun to greet him from a nite of peaceful rest,

As he wears a sweater mornins'
& the clocks have all been' changed,
When the frost is on the Penncross

When the frost is on the Penncross and the water-line is drained.

There's somethin' kinda hearty-like about the atmosphere When the heat of Summer's over

and the coolin' Fall is here ...
Of course we miss the foresomes
and washers and the tees

And the rumble of the mowers and the buzzin of the bees;

But the air's so appetizin; and the landscape thru the haze Is the crisp and sunny wonder-land

of early Autumn days
And you can count up on your fingers
all the times it's rained

When the frost is on the Penncross and the water-line is drained.

The Husky, rusty rustle of the seed heads on the Poa. The clank and bang of units as in the shed they go; The flags in the greens ...

kinda lonesome like, but still there's a few die-hard golfers

whose needs we have to fill;

The ball-washers are in the workshop; the sprayers in the shed;

The hose is coiled up neatly on the rafters overhead!

Oh, it sets my heart a-beating ...

with a fury never tamed
When the frost in on the Penncross
and the water-line is drained.

Credit - Southern Arz. CGSA

THE MID-AM TRADE SHOW IS GROWING

Mid-Am/80 has been enlarged to 424 exhibit spaces in order to permit many new exhibitors to enter the show as well as allowing several established companies to enlarge their displays.

More than 150 exhibitors have already reserved space to show a wide variety of plant materials, supplies, and horticultural equipment during the 4-day show, January 20-23, 1980 in Chicago's suburb of Rosemont, Illinois. The final count of exhibitors is expected to top 260 companies.

Sponsored by the Illinois State Nurserymen's Association, Illinois Landscape Contractors Association, and the Wisconsin Landscape Federation, Mid-Am/80 will attract almost 6,000 attendees from over 35 states.

The Mid-Am Trade Show will be held at the O'Hare Exposition Center, located just minutes from Chicago's O'Hare International Airport. Additional information regarding exhibiting or attendance is available from Mid-Am Trade Show, 4300-L Lincoln Avenue, Rolling Meadows, Illinois 60008. Phone: 312/359-8160.

YOU ASKED

Q. - With GCSAA, USGA and Noer Foundation supplying funds for scholarships and research, what is

the purpose of the Musser Foundation?

A. - The Musser Foundation operates in turf research solely on the graduate level through Fellowships. In this way we develop essential data and information and we train a potential scientist and leader at the same time. We admire the scholarship and research efforts of others which are extremely useful in the overall scheme of things. Our goal is to develop leaders who will replace present-day researchers and educators as they move on or retire. It is these high-trained people who make the research grants work. So, working on different levels, each funding group fulfills its role in building the integrated structure that leads to Better Turf.

Q. - Was the Musser Foundation involved in the

ATAENIUS project?

A. - Yes, to the limit of our financial ability. Our money joined that of GCSAA and Ohio golf clubs to help finance the Ph.D. Thesis problem of Gerald Wegner, Ohio State, under the supervision of Dr. Harry Niemczyk. The results were published in Golf Course Management, April 1979, and turf managers have been saved millions of dollars.

Q. - Now that ATAENIUS is finished, what is the

Musser Foundation doing?

A. We continue to solicit funds to build our Fellowship (Investment) Fund. Only the income is used to support Fellowship Grants. Only recently have we committed ourselves to support three Ph.D. candidates and their projects. They are:

 M.S. Welterlen, Penn State. Thesis subject: TURFGRASS MICRO-CLIMATE. Dr. T.L. Watschke,

proj. leader.

Mark Westhafer, Texas A&M. Thesis subject: Physiology of WATER STRESS and DROUGHT RE-

SISTANCE. Dr. J.B. Beard, proj. leader.

3. Randall T. Kane, Cornell University, NY. Thesis subject: ETIOLOGY (cause) and CONTROL OF FU-SARIUM BLIGHT OF KY. BLUEGRASS, Dr. Richard W. Smiley, proj. leader.

Q. - Does the Musser Foundation have a publication in

which research results will be recorded?

A. - No, we prefer to concentrate our available funds on the graduate students and their projects. Others have excellent publications in which the data more appropriately can be published.

Q. - How can one learn more about the Musser

Foundation?

A. - Write: MITF, Box AA, College Park, MD 20740.

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WINTERIZING YOUR UNDERGROUND SPRINKLER SYSTEM

It's that time of the year to think about winterizing your irrigation system to avoid damage caused by freezing. By taking the necessary steps to protect your system now, you will avoid costly springtime repairs.

Blowing out your irrigation system with an air compressor has proven to be the most popular and sure way of draining irrigation systems in the Midwest. We strongly recommend this method.

DRAINAGE PROCEDURE

The following sequence for drainage should be followed in order, and tailored to your particular installation:

- 1. Several days or a week before actual draining:
 - a. Locate irrigation drawing.

b. Turn off water supply.

- Open drains that flow directly into tile lines, creeks or ponds.
- d. Insert sprinklers at the high & low points of the lines to replace the water as the low heads drain.
- 2. Connect suitable sized air compressor near the source of water. Note: a piping sytem of 3" and less can be blown quickly with one 125 cfm compressor. Piping systems 4" 8" can be blown faster with less chance for error with two 125 cfm compressors.
- 3. Beginning at the water source, open each sprinkler outlet until you get air and no water, then close, on one branch of the main line and follow it to the dead end. Do the same on each branch of the main line until you have air and no water coming from each outlet. Be sure to allow compressor to build up pressure so the water will be moved with a large volume of air.
 - 4. Repeat step 3 to check drainage.
- 5. Starting again at the water source and working toward the end of each lateral, crack the drain, wait a minute, and repeat. Water may have collected at the low points. Note: Drains and standing surface water usually occur at low points in the terrain. Closed drains will prevent the surface water from entering the pipe line through the drain valve (along with stones from the drainage sump), and eliminate the drain closing chore during spring turn-on.

PUMPHOUSE DRAINAGE

The basic piping system is now drained and special attention is needed to properly drain the pump-house. One small slip at this state of drainage could be very expensive.

6. Pumphouse drainage:

- a. Starting at the discharge line in the pumphouse wall, trace the flow of water in the piping through gate valves and check valves, and open necessary drains.
- b. Drain pump volutes by removing the bottom plug or opening drainage cock.
- c. Remove or drain suction drop pipe.
- Remove water from pressure reducing valve cover by blowing out or loosening cover bolts.
- Turn pump motors off and protect windings against possible rodent nesting.
- f. Drain water from pressure gauges, switches, tank sight glasses, tank air chargers, and other special items subject to freeze in pumphouse.
- 7. Program automatic valves to operate once a day for 5 minutes to prevent the solenoid plunger from sticking and reduce the moisture in the solenoid coil and automatic controller contacts.

Before going out and renting an air compressor and blowing your system, take several hours with your blueprint and the above procedure. Write down in sequence the steps you plan to take when you start actual drainage. The steps can be listed by thinking of yourself as entering the pipeline at the source of water and your job is to push the water out on top of the ground as you move through the pipe.

What routes will you have to follow to push all of the water out the dead end of every line? The same route you took entering the pipes at the source to get to the dead ends must be followed by the wall of air you will

put into the system when blowing out.

Frost damage repairs have got to rate near the top of the bad job list. In addition they occur at a critical time of year from a manpower standpoint, and can cause several weeks of anguish if the dirt is not properly flushed after the repair is made. Now is the time to think about any necessary pump and sprinkler repair required for next year's operation. Get the necessary part on order and make the repairs conveniently in the winter rather than wait for the spring rush.

Take the time to properly drain your irrigation this

fall.

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THOUGHT OF THE MONTH

"The great sin, fear.

The greatest mistake, giving up.

The most satisfying experience, doing your duty first. The best action, keeping the mind clear and the judgment good.

The greatest blessing, good health.

The biggest fool, the man who lies to himself.

The greatest gamble, substituting hope for facts.

The most certain thing in life, change.

The greatest joy, being needed.

The greatest opportunity, the next one.

The greatest victory, victory over self.

The best play, successful work.

The greatest handicap, egotism.

The most expensive indulgence, hate.

The greatest loss, loss of self-confidence."

The young bull heard a ruckus and went to investigate. A lion jumped the bull and devoured him. Upon finishing his huge dinner, the lion began to roar. A herd of elephants, hearing the roar of the lion, became frightened, and started running through the jungle, and trampled the lion to death. The moral of the story is: If you're full of bull, keep your mouth shut.

70. Q. What is Pi?

71. Q. What is the area of a round green that has a diameter of 80 feet?

72. Q. Which gallon of water weighs more - an

American gallon or an Imperial gallon?

73. Q. If an empty spray tank weighs 1500 lbs., how much will it weigh if you put 300 American gallons in it? (water)

74. Q. How do you find the volume of a cylinder?

75. Q. How many American gallons in a cylindrical tank that is 6 feet wide and 7 feet long?

76. Q. Kentucky bluegrass may spread by means of

under ground runners? T or F

77. Q. Red fescue is adapted to warm areas only? T or

78. Q. Chewings or creeping red are the only two recognized red fescues? T or F

79. Q. Pennlawn is an improved variety of chewings fescue? T or F

80. Q. Creeping bents are recommended for home lawns that receive average care? T or F

81. Q. Colonial bent grasses grow well in cool temperature regions? T or F

82. Q. Rough bluegrass does best in bright sun light?

T or F 83. Q. Tall fescues will withstand close mowing? T or

84. Q. Redtop makes a good permanent turf? T or F

85. Q. Ryegrass has a wide climatic adaptation? T or F

86. Q. The experimental number for Meyer Zoysia is U-3? T or F

87. Q. Tifton 127 is called Tiffine? T or F

88. Q. U-3 Bermuda is planted from seed only? T or F

89. Q. Tifgreen 328 is popular for golf greens in the South? T or F

90. Q. Kentucky 31 is an improved variety of tall fescue? T or F

91. Q. Bentgrasses need less water than red fescues?

92. Q. Merion bluegrass is a variety of Rough bluegrass? T or F

93. Q. Highland bent is a variety of Colonial bentgrass? T or F

94. Q. Chewings fescue is a non creeping form of red fescue? T or F

95. Q. Creeping red fescue does not produce an even fine turf? T or F

96. Q. What color stakes are recommended by the U.S.G.A. for designating lateral water hazards?

97. Q. What color stakes are recommended by the U.S.G.A. for designating horizontal hazards?

98. Q. What colored stakes are used to designate Out-of-Bounds?

99. Q. What is the outside diameter of the putting hole in a green?

100. Q. What is the USGA's recommendations for the

dimension of the flagstick?
101. Q. What is the recommended minimum distance that a cup should be placed from the edge of the green?

102. Q. What is the maximum distance for a par 5 hole?

103. Q. Is the handicap system determined by the par of the course?

104. Q. Are winter rules covered by the USGA Rules of Golf?

105. Q. May a player lift his ball from a rut caused by equipment without penalty?

106. Q. How far behind the tee markers is a player allowed to tee up his ball?

107. Q. Name three factors favorable for the growth of large brownpatch?

108. Q. What is meant by a broad spectrum fungicide?

109. Q. What are mycelium in plant diseases?
110. Q. What are sclerotia in plant disease?

111. Q. Name five common diseases familiar to fine turf.

70. A. 3.14 or 22/7.

71. A. 5,024 feet. (3.14 x 80).

72. A. The imperial gallon weighs 10.0 lbs. The American gallon weighs 8.3 lbs.

73. A. 3990 lbs. $(300 \times 8.3 = 2490 + 1500 = 3990)$

74. A. PiXradius squared X height or length #r² H or 3.14 x r² x height.

75. A. 1,483.65 gallons $7r^2 h \times 7.5 = 3.14 \times 3^2 \times 7$ = 197.82 cu. ft.

76. A. True.

77. A. False.

78. A. True.

79. A. False.

80. A. False.

81. A. True.

82. A. False.

83. A. False.

84. A. False.

85. A. True.

86. A. False.

87. A. True.

88. A. False.

89. A. True.

90. A. True.

91. A. False.

92. A. False. 93. A. False.

94. A. False.

95. A. False.

96. A. Yellow.

97. A. Red.

98. A. White

99. A. 41/4 inches.

100. A. It is supposed to be ¾ of an inch in diameter from its base to a point 3 inches above the ground. Anything smaller is also permitted.

101. A. 5 paces.

102. A. There is no set yardage.

103. A. No.

104. A. No.

105. A. No.

106. A. Two club lengths.

107. A. Moisture - High temperature - High humidity.

108. A. Any fungicide that will control two or more plant diseases.

109. A. The vegetative body of a fungus. Usually thread like.

110. A. The fruiting body on the end of the mycelium which contains the spores.

 A. Large brown, Helminthosporium, Fusarium, Rhyzoctonium and Pythium.

Some of these answers may be a little outdated due to age.

ALWAYS

Know the characteristics of the grasses you work with. We can't do a decent job unless we know this. Be sure you know when the grass grows best naturally, when and how you can get the root system depper, how to increase the stored food reserves, how to prevent stress (or make the plants more tolerant), and how to correct errors we all make. Finally, let's all learn how to communicate - get the green committee and other club members to realize what's happening and why.

Then, the battle is more than half won!