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This spring opening has shared with us both its tolerance and unforgiveness. Golf courses across this entire region have had varied degrees of turf loss from a mixture of winter’s fickleness.

Direct low temperature kill, wind desication damage, crown hydretion and fluctuating temperatures have all attributed to our winter damage. Poa Annua seems to be the hardest hit in all areas.

With the cool early spring we have had, we will certainly see slow progress in the recovery. A recent article in *Grounds Maintenance*, March 1990, issue by Dr. James Beard could help your club membership understand that this was not as mild a winter as they thought. The rules still apply...no two courses are alike.

**In this next decade**, we will see a flurry of environmental issues. Pesticides will, without a doubt, be at the head of such a list. The general public will not necessarily act with informed concern, but with emotional haste. All of us as members of MGCSA portray the professionals that we are in all of our daily routines. As we deal with our club memberships and the public in general, we as Professional Golf Course Superintendents must be extremely cautious in not only our actions but with what we place on public record.

As a member of MGCSA, you not only speak for yourself but for our association as well. Be prepared to publish or post documented data that is in our trade periodicals on Pesticide Use, Water Quality, Integrated Pest Management or any other pertinent research. Let the professors at our universities and research facilities speak for us with hard data, rather than our own emotional haste to diffuse a situation that we are not necessarily equipped to handle.

**A recent EPA development** of requiring mandatory liability insurance for Underground Storage Tanks (UST) has sparked a new insurance program for UST. The GCSAA has sponsored the only UST insurance program in the country thus far. By October 26, 1991, you must have liability insurance coverage for all USTs. For more information contact GCSAA at 1-800-472-7878. This program is not restricted to GCSAA or MGCSA members. (See Page 12.)

**The Minnesota Research Trust Turf Tourney** is scheduled to be held on June 15. Twenty Twin City clubs have once again shown their kindness and interest in the MGCSA by allowing us to hold this annual event at these great golf courses. Although it is not intended to be a superintendent-sponsored event, I would like to ask all of our members to support this event by posting the flyers in your pro shops and seeing to it that this information stays visible, and that perhaps your club organizes one or two groups.

**May’s flowers** hopefully will be in bloom at Oak Glen CC on May 15th. Host Superintendent Pete Mogren will certainly welcome us with open arms, and maybe even some more rain!

—Kerry Glader
MGCSA President
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Poa Annua Hit Hard at Various Golf Courses

Here Are Just Four of Them

Edina Country Club

Poa at left at Edina, bent grass on right

Lafayette Club

Faribault Golf & Country Club

Island View, Waconia

— Photos by Dale Wysocki
Three Staff Changes Announced by MGA

Three new staff appointments at the Minnesota Golf Association have been announced by Executive Director Warren Rebholz. Ross Galarneault, former MGA technical director, has become assistant executive director, succeeding Guy Green, who is pursuing a radio career.

A staff member for the past six years, the most recent five as technical director, he now is directing the MGA's championship tournaments, the juniors' program, handicap and course rating programs.

A native of St. Cloud, he was graduated in 1984 with a B.S. degree in Computer Science from the University of Minnesota. His course work emphasized management information systems.

Lisa Overom, a graduate of the University of Minnesota/Duluth where she earned a B.A. degree in Business Administration with a concentration in management science, has been named technical director.

She finished with a 3.96 grade point average at UMD, had considerable experience with computers and was a member of the school's golf team. She will operate the MGA's computer network, demonstrate and troubleshoot the association's electronic handicap system and manage the MGA's mailing list and accounting system.

Brian Delgado has been appointed to the association's newly created position of communications director to serve the MGA's growing club relations, public relations and publication needs. Along with visiting member clubs and scheduling course rating appointments, he will be responsible for news releases, club communications and publications.

Delgado was graduated from the University of Minnesota with a B.A. degree in Psychology, was an Evans Scholar and left the program with honors. He regularly contributed to Evans Scholar publications.

"We have a great combination with our new and present staff members," said Rebholz. "The changes combine new technical and communication know-how with years of experience in golf administration. These qualities will allow the MGA to serve its associate members and member courses in an even better capacity."

About the Cover

Addressing the 208 golf course superintendents and other industry persons at the March 21 Mini-Seminar at The Lafayette Club in Minnetonka is Warren Rebholz, executive director of the Minnesota Golf Association. Coordinating the event was the MGCSA's Education Committee, composed of Chairman Kevin Clunis, Stillwater CC; Joe Moris, Tartan Park Golf Course, and Jim Nicol, Bunker Hills Golf Course. Other speakers were Dr. Martin Petrovic, Cornell University; Dr. Don White, University of Minnesota; Leroy Young, MTI Distributing, and Don Sellinger, Bailey Nurseries. (See photos on Page 13.)

TURF SUPPLY COMPANY

HERE ARE THE TOP SLOW RELEASE FERTILIZERS AND THEIR WIN (Water Insoluble Nitrogen)

<table>
<thead>
<tr>
<th>Fertilizer</th>
<th>Nitrogen Content</th>
<th>WIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBDU</td>
<td>31-0-0 PAR EX</td>
<td>90%</td>
</tr>
<tr>
<td>TURKEY COMPOST</td>
<td>5-2-4 SUSTANE</td>
<td>70%</td>
</tr>
<tr>
<td>UREA FORMELDEHYDE</td>
<td>38-0-0 COUNTRY CLUB</td>
<td>65%</td>
</tr>
<tr>
<td>METHYLENE UREA POLYMER</td>
<td>40-0-0 NUTRALENE</td>
<td>14.5%</td>
</tr>
<tr>
<td>METHYLENE UREA</td>
<td>41-0-0 SCOTTS</td>
<td>10.1%</td>
</tr>
</tbody>
</table>

WIN — What is WIN? WIN is the abbreviation for Water Insoluble Nitrogen that will not dissolve in normal temperature water.

TURF SUPPLY COMPANY SELLS THE 3 TOP W.I.N. PRODUCTS.

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INDUSTRY NEWS

Turf Management Products, Inc., has announced the addition of controlled-release fertilizers to its line of seed products. These products contain the only controlled-release, high potassium analyses in the area, according to the company. The analyses are 9-0-27 and 0-0-27. Other analyses offered are 32-0-0 and 7-18-18 starter. Granulations are for all turf areas.

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MEMBERSHIP REPORT

NEW MEMBERS—MARCH 21
William Garber Class F MacQueen Equip.
Beth Greeninger D Woodhill C.C.
Kurt Haugen C Pebble Creek
Jeffrey Larsen C Fargo C.C.
Chris Leach C Woodhill C.C.
Kevin Nieman BII Rolling Green
Mike Romundstad D Town & Country
Stephen Williams BII Town & Country

RETIR ED
Dr. William Martin

NEW MEMBERS—APRIL 16
Larry Goode F E.S. Dygert Co
Paul Harris C Harris-Billings Co
Charles Molinari F Neary Manufacturing
Tim Neary F Eastwood G.C.
Jeff Minske D Rochester Golf & C.C.
Tim Warren D Rochester Golf & C.C.
Dan Breitbarth C Link Corp
Scott Friberg BII

RECLASSIFICATIONS
David Reif D to BII Monticello C.C.
Robert Atol C to BII Oak Ridge C.C.

Greg Hubbard, Membership Chairman
Since the first American golfer whacked a ball on February 22, 1888, the game of golf has been enjoyed largely by a fraternity of middle-aged and older men. But times are changing, and so are the players on the course.

Today, golf is in the midst of phenomenal growth. Now a $20 billion industry, the National Golf Foundation estimates that 22 million people currently play golf, up 25 percent in the last two years, and up 38 percent since 1980.

Experts link golf's surging growth in recent years to the steep decline of the fitness boom. It appears that yuppies, who initiated the frenetic fitness craze in the late '70s, have finally played themselves out. Time and energy are in increasingly short supply as yuppies strive to have it all: a career on the fast track and a family in the suburbs. Something had to give. As a result, statistics now show that the number of Americans who jog, swim, do aerobics or play racquetball has plunged since 1984, much to the dismay of health clubs and manufacturers of exercise equipment.

Instead, younger men and now women are taking to the golf course in record numbers, creating a burgeoning demand for tee times, equipment and lessons. One New York golf shop reports a 300 percent increase in women taking lessons in the past 18 months. Meanwhile, Florida golf courses targeting younger players have boosted the number of junior tournaments fivefold since 1983. The Atlanta Athletic Club expects the number of golf rounds to jump 17 percent in 1989. And research indicates that spending on golf should hit $40 billion within the next 10 years.

This explosive demand also puts golfers to the ultimate test—finding a course to play. With land in increasingly short supply, the 200 golf courses built in the United States in 1988 pale in comparison to the 500 built each year between 1959 and 1971. This shortage of facilities has driven avid golfers in suburban New York to line up at midnight on weekends for a round on the course.

At Pebble Beach, the country's most expensive course at $163 per round on weekends, golfers must request tee times up to a month in advance. Yet despite the obstacles, a golf boom is projected well into the 21st Century, and many of the newcomers are younger than ever.

Why golf? Golf is less stressful than tennis, more social than jogging, say trend watchers. Mike Hoffman, director of marketing for commercial products, for The Toro Company, Bloomington, Minn., a manufacturer of golf course maintenance equipment: "Many people who were involved in running, tennis or aerobics are now turning to golf as more of a social sport. Golf used to be an older man's game, but now there's a much broader spectrum of players."

For many, there's an added incentive to take up the sport: a lot of business takes place on the golf course. Golf Digest magazine reports that business executives spend more time golfing as they advance in their careers: 72 percent report conducting business and entertaining clients while golfing. For the young upscale consumer, golf is just the ticket. At the Jack Nicklaus Academy of Golf at Grand Cypress Resort in Orlando, Fla. where students pay $1,800 for three days of lodging and lessons, school director Fred Griffin says much of the interest in golf comes from people eager to get their games up to respectable levels for business contacts. One such golfer is Sue Hilton, a manager with General Financial Systems, who works with car dealers, 90 percent of whom play golf. Now she conducts much of her business on the course.

"It's given me five hours with clients I never would have had before," she says.

Heightened interest and participation in golf is good news for the Professional Golfers Association (PGA) of America, which cites as one of its goals "to promote interest in the game of golf." Since its founding in 1916, the PGA has grown in numbers and in the scope of influence on the golf profession, through numerous programs, foundations and efforts to provide qualified PGA golf professionals to its 12,000 member courses, which represent half the courses in the United States.

The PGA/World Golf Hall of Fame, a non-profit organization operated by the PGA of America, was created in 1974 to celebrate the world of golf. Through its exhibits, museums and now the Shrine Gardens, sponsored by Toro to recognize the contributions of the Golf Course Superintendents Association of America (GCSAA), the unsung heroes of the golf industry, knowledge of the history, challenge and competition of golf can be experienced by a wide audience of all ages.
Slow Down . . . . . Think Smart!

By Brian Lein
Assistant Superintendent/Mechanic
Rich Acres Golf Course, Richfield

Most personal injuries that happen at a workplace could have been prevented if the person would have slowed down and thought about the job he or she was doing.

All of us have been in situations where limited time has put pressures on us to finish projects in a hurry. Sometimes we choose what we think is the fastest route without giving full consideration to safety procedures. Many times things go without mishap; on other occasions we aren’t as lucky.

This brings to mind a situation in which a person was changing a drive belt on a pressure washer. He was in a hurry to get it done so that it could be used right away. He did not loosen the belt adjustment. He figured all he had to do was put the belt on as far as it would go, then hold it in place as he turned on the switch and walked the belt right on to the pulley.

This method often works, but in this case the man got his thumb caught between the pulley and the belt. As a result, he now is missing half of his thumb.

The job of installing a drive belt on a pressure washer the correct way probably would have taken only 10 minutes. I'm sure this person wishes he would have taken the time to do the job the safe way. This is just one example of a person who chose a short-cut, but, in the end, the job resulted in personal injury and time lost.

I acknowledge that short cuts do work on some jobs, but there are several things we should think of first. Perhaps you can do the job the quick way and not get injured, but does the co-worker watching have the experience to do it without taking safety precautions? We must emphasize that they should work smart and safely.

Here are some questions to ask yourself when training someone to operate golf course equipment.

Did I show them the safety instructions and operator's manual?

• Did they fully understand it?
• Are all of the equipment’s built-in safety devices in proper working order?

Safety devices should be checked regularly.

If you have any older equipment that has had its safety switches by-passed for any reason, you should have them reconnected. If, for any reason, an injury should occur due to the by-pass, the employer and possibly the mechanic working on the equipment could be held liable.

Keeping your equipment safe may cost you some money up front, but, in the long run, you save time and money.

Mechanics should remember a few safety warnings when working on course equipment. One task I see performed wrong a lot is jump starting with a booster battery. This is the proper way to jump start a vehicle with a booster battery.

1) Set parking brake and put transmission in neutral. Turn off lights and other electrical loads.
2) Attach one end of one jumper cable to the positive terminal of the booster battery and the other end to the positive terminal of the discharged battery.
3) Attach one end of the remaining cable to the negative terminal of the booster battery and the other end to a good ground on the frame of the vehicle away from the discharged battery. Be careful not to cause sparks.
4) Reverse this sequence exactly when removing the jumper cables.

The reason for following this procedure is to prevent sparks near the battery, which provides hydrogen gas that can be explosive. Always disconnect the battery before doing any maintenance work.

A good idea for golf course personnel is to have a “3 X 5” card in file with all emergency medical information for each employee.

Each card should include:

• The employee’s doctor’s name, clinic address and phone number;
• A list of three or four family members, their home and work telephone numbers, insurance company with identification numbers and medical plan.
• Any medications the employee is taking.

This may sound like digging into an employee’s privacy, but it may save his or her life.

An emergency eye wash station is a safety precaution that I would recommend for every maintenance shop. The cost of an eye station is around $275.00. Most safety data sheets recommend that, if a product gets in your eyes, you should flush the eye in water for 15 minutes and get medical attention immediately.

The eye wash station does a more complete job of flushing the eyes, compared with flushing them at a sink.

Take a look at your safety procedures and policies to see if they need to be updated. You might even want to set up a safety awareness program for new employees. The main thing, however, is to slow down and think about the job you’re doing.