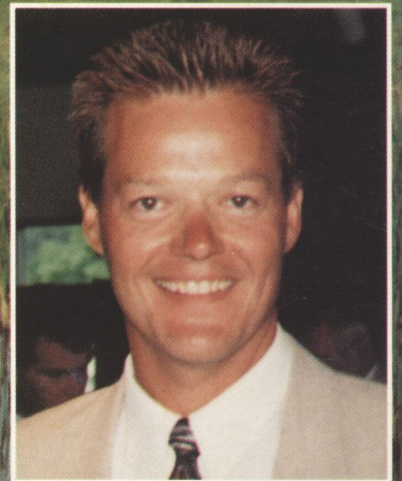
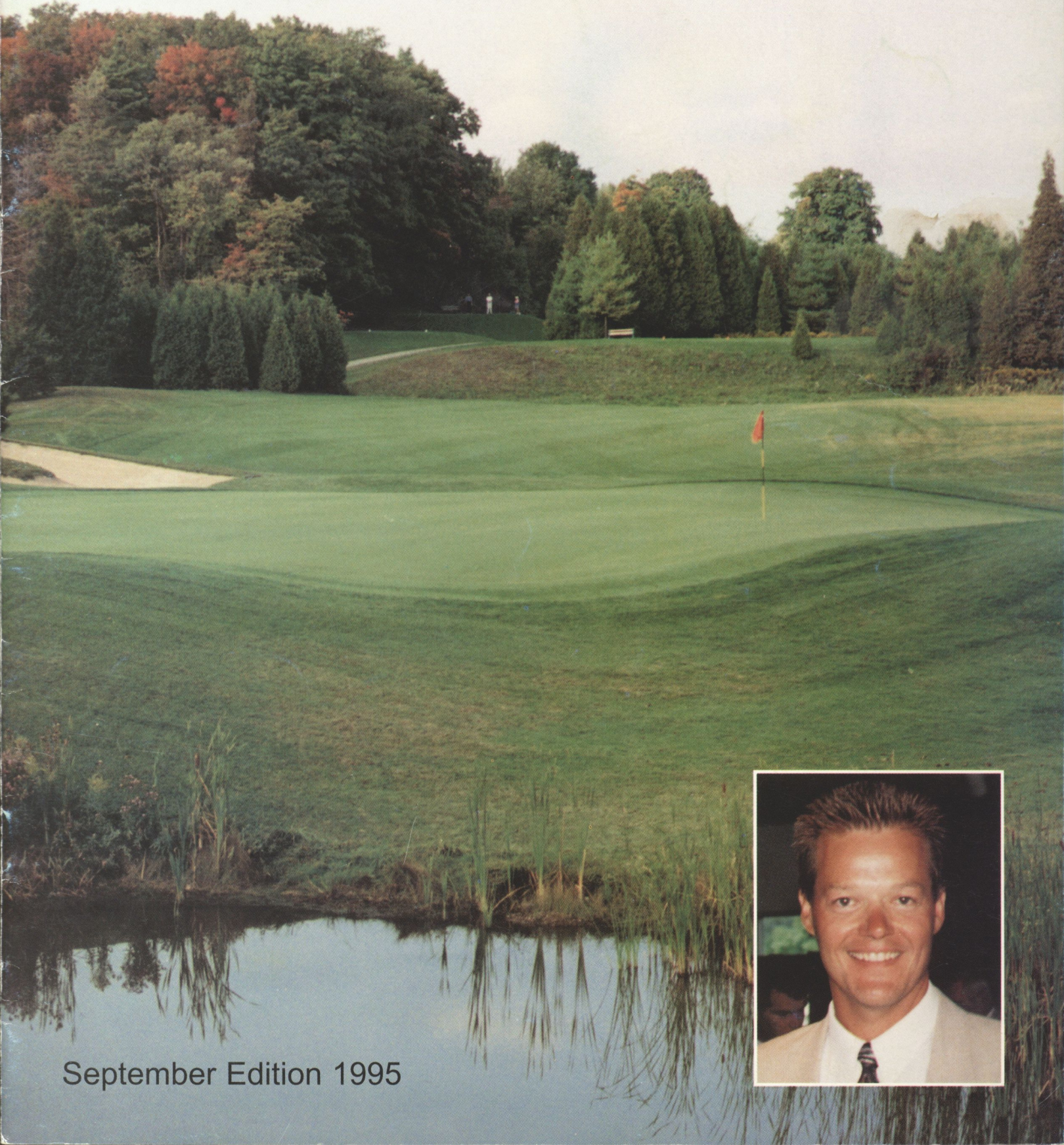


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OFFICIAL PUBLICATION OF THE ONTARIO GOLF SUPERINTENDENTS ASSOCIATION



September Edition 1995



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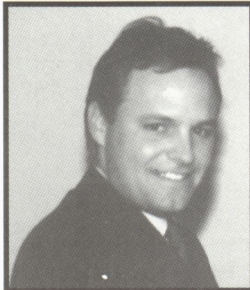
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PRESIDENT'S MESSAGE

As I address you today I am recuperating from my first hockey injury of the year and its not even October. A deflected puck has temporarily taken my vision in one eye and it sure makes one realize how fragile something can be that you take for granted.

I know I, for one, will be spending lots of time on the workplace safety issue this winter. However, its like anything else, all your policies and equipment can be in place but its up to the individual to make sure they get implemented. By the way, the face mask is back on the helmet.

For the OGSA

John Taylor

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Cover: Springfield Golf Club - Superintendent Ray Dlugokecki

SUMMER FIELD DAY

Jerry Richard



"Springfield Club House"

The first annual OGSA, GTI and OMAFRA Summer Field Day, held on August 14, 1995 was very well received. Seventy-five Superintendents, Assistant Superintendents and Suppliers braved the rains at the Guelph Turfgrass Institute and the afternoon lightening display at the Springfield Golf Club.

OGSA members toured the GTI in the morning, with others from the turfgrass industry as part of the day's activities and after a light lunch made their way to Springfield for the 1:00 P.M. shotgun. Even a 45 minute lightening delay did not slow us down and we were able to make the 6:45 P.M. dinner bell. Participants enjoyed the pace of the day, with no wasted time between the morning and afternoon activities.

Pam Charbonneau, Ken Carey, Norm McCollum and all the staff at the Guelph Turfgrass Institute made the GTI tour, held in the morning, interesting and educational. The pace was fast and well organized. Ray Duke had the golf course in great shape and John McIntosh and the rest of the club's staff did a great job. It was not easy to plan because of last minute entries. Pre-registration is very important in planning a full day's events.

After a wonderful steak dinner, the prize presentations



"Springfield #9"



"Ray Dlugokecki receives Plaque of Appreciation from John Taylor"

included an introduction and welcome to Rob Witherspoon the new Director of the Guelph Turfgrass Institute. Hopefully many of us have a better understanding of what goes on at the GTI following the tour, and we look forward to working with Rob.

With the help of the head professional, Murray McLaren and the generous suppliers who every year support the OGSA events, the prize table was well stocked. Accolades to low gross winner, Thom Charters (70), and low net winner, Mark Altese (58).



"Low Gross, Thom Charters"

Superintendents Low Gross

1. Thom Charters (70)
2. Jeff Stauffer (72)
3. Paul Scenna (72)
4. Ted Ellis (73)

Superintendents Low Net

- Mark Altese (58)
 Rob Ackerman (60)
 Mike O'Farrell (60)
 Dave Tascone (62)

Suppliers Low Gross

1. Greg Salvian (74)
2. Rob Davis (76)

Suppliers Low Net

- Angelo Capannelli (64)
 Rob Witherspoon (69)

A special thanks goes to Turf Care for supplying the extra power carts required. The tournament committee will move this event around to other courses in the Guelph area each year - we already have interested participants for 1996.

SUMMER FIELD DAY CONTINUED



"Springfield Club House"



"Springfield Club House"

New GTI Director Appointed

Hi, My name is Rob Whitherspoon and I'm the new director of the Guelph Turfgrass Institute (GTI). I started at GTI on August 14. Prior to moving to the GTI, I was responsible for the Ontario Diploma in Horticulture offered by Independent Study/OAC ACCESS. I have been associated with the turf industry since high school when I worked summers at Upper Canada Golf Course in Eastern Canada.



As the first full-time director of the GTI, I am currently planning an expansion of services to the turfgrass industry. These will include development of public/medic materials promoting turfgrass as an integral part of the landscape, creation of new educational opportunities for industry professionals, continued enhancement of the facilities at the GTI and improved communication of research information to the industry.

I am interested in getting your ideas and comments as

to how the GTI can best serve the golf industry. You can contact me at (519) 824-4120 ext. 6886 or by fax at (519) 766-1704. I am also trying to attend as many industry events as possible. Feel free to introduce yourself to me and give me your vision of the GTI. Our job at the GTI is to help you do a better job.

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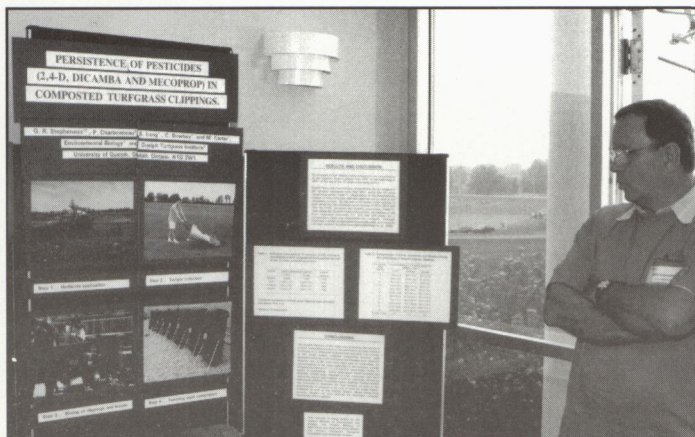
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1995 Guelph Turfgrass Institute/Ontario Turfgrass Research Foundation Research Field Day

by Pam Charbonneau, OMAFRA Turfgrass Advisor



Gerry Stephenson - Pesticide Residues In Compost

Apart from a sudden cloud burst during registration the Guelph Turfgrass Institute/Ontario Turfgrass Research Field Day held on Monday August 14, 1995 proceeded without a hitch. There were over 250 people in attendance. The day began with a welcome from Dr. Dennis Murr who introduced the new Guelph Turfgrass Institute Director, Rob Whitherspoon. Tom Charters, President of Ontario Turfgrass Research Foundation, promptly presented Rob with a cheque for \$30,000 for turfgrass research for the current research season. Randy Fielder, President of the Georgian Bay Golf Superintendents Association also gave Rob Whitherspoon a cheque for \$1000 which is their final payment of their pledge for the G.M. Frost Research and Information Centre Building Fund.

For the first time ever the Ontario Superintendents Association held a golf tournament for their members in conjunction with the research field day, a format which was well received by their membership.

The purpose of the turf research field day is to give all members of the turfgrass industry a chance to view first hand the turf research results. It is also an excellent opportunity to meet the GTI turf researchers and ask them any burning turf questions which have been on your mind lately. The Pictures below highlights their research projects and the information they presented at the day.

As with all such events there are always a dedicated group of people behind the scenes who are responsible for the success of the day. Norm McCollum and his crew of summer students had the research plots in tip top shape the day of the field day. Others working behind the scenes include Trudi Sorbara-Ostler, Dr. Ken Carey, Juli Biro, Michael Whiting, Karen Sagan, Betsy Smith and Sandra Cook. Jerry Richard from the OGSA Board of Directors worked closely with us to successfully integrate their tournament with the research field day. For any of you who

did not attend, this is a must for next years calender.



Golf Course Monitoring Project/Weed Garden
Juli Biro, Michael Whiting, Pam Charbonneau



Greg Boland & Wayne Barton - Biological control of Dollar Spot in turf and resistance of fungal pathogens to DMI fungicides.



Steve Thurtell - Water & chemical management systems for the Turfgrass Industry.

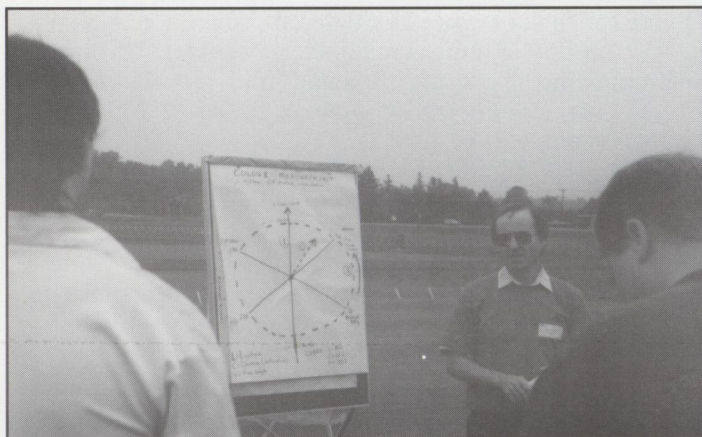
1995 Guelph Turfgrass Institute/Ontario Turfgrass Research Foundation Research Field Day *Continued*



Keith Solomon - Use of microcosms to validate probabilistic risk assessment procedures for ecotoxicological risk.



Peter Von Bertoldi - New lysimeter for studies of water and chemical management on turf



Steve Bowley - Variey evaluation of bentgrass.



Yuelan Chen - Stress response of single and multiple cultivar populations of turfgrass species

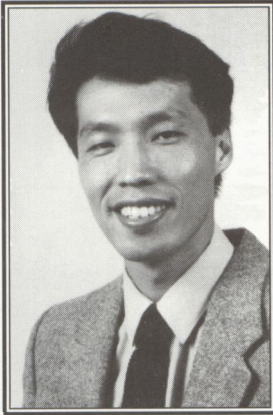


Tim Tripp - Non-chemical weed control by means of nitrogen fertility, species choice and species mix

QUOTE

The manager administers, the leader innovates.
 The manager maintains, the leader develops.
 The manager relies on system, the leader relies on people.
 The manager counts on controls, the leader counts on trust.
 The manager does things right, the leader does the right thing.

- Fortune Magazine



CONTROLLING FUSARIUM PATCH DISEASE

by Tom Hsiang

In Ontario, Fusarium patch is usually an aesthetic nuisance in the spring that goes away with warm weather. In the fall, Fusarium Patch can become a more serious problem, since turf injury in the fall will not recover until the spring, and established Fusarium Patch centres can expand into more severe cases of Pink Snow Mould through the winter. After snow melt, Fusarium Patch can develop around the outer edges of Pink Snow Mould patches. In this issue, we'll discuss ways of recognizing and dealing with Fusarium Patch. Note that "Fusarium Blight" is a completely different disease, and is caused by several organisms which are not similar to the organism causing Fusarium Patch.

Fusarium Patch

Pathogen: *Fusarium nivale* (also known as *Monographella nivalis* or *Microdochium nivale* or *Gerlachia nivalis*).

Host Plants: All cool season turfgrasses, particularly

creeping bentgrass, annual bluegrass, and perennial ryegrass.

Season of Occurrence: Disease may occur in fall or spring. The pathogen will also cause Pink Snow Mould under periods of extended snow cover.

Conditions Favouring Disease:

- * Temperatures between 0-15 C, and leaf wetness periods greater than 10 hours a day for several days.
- * Disease is often more severe in areas of shade, leaf fall, poor air circulation, poor drainage, or turf with a water-retentive thatch layer.
- * Excessive nitrogen applied in the fall often leads to rapid disease development after snowmelt.
- * Top-dressing may smother the grass and allow conditions for disease development.

Symptoms:

* In the fall, patches start as small red- brown circular spots on turf up to 2 cm in diameter. Under favourable conditions the spots may expand into circular patches several cm in diameter, or may coalesce to form large irregular scars.

* When the disease is active, patches may have a dark brown/rust ring at the outer edges of the pale centre.

* Under prolonged humid conditions, white to pink mycelium may be observed on outer edge of patches often matting dead leaves together.

* Diseased grass may be wet and slimy.

* Under severe conditions (temperature less than 15 C and long periods of leaf wetness), crowns and roots may be killed resulting in little or no recovery.

* Symptoms resulting from infection in the fall may persist throughout the winter and the following spring.

* Inactive disease centres appear as pale straw patches.

Life Cycle:

* The Fusarium Patch fungus survives through the summer as spores or mycelium in thatch or soil.

* Under cool wet weather, spores germinate or mycelium grows from thatch or soil and infects leaves.

* Spores are carried by wind or free surface water to adjacent healthy leaves.

* Fungus may also attack foliage under snow cover causing Pink Snow Mould.

* Under severe conditions, fungus may grow from leaves to the crown of turfgrass plant, causing more extensive damage to the plant.



GO WITH THE FLOW!

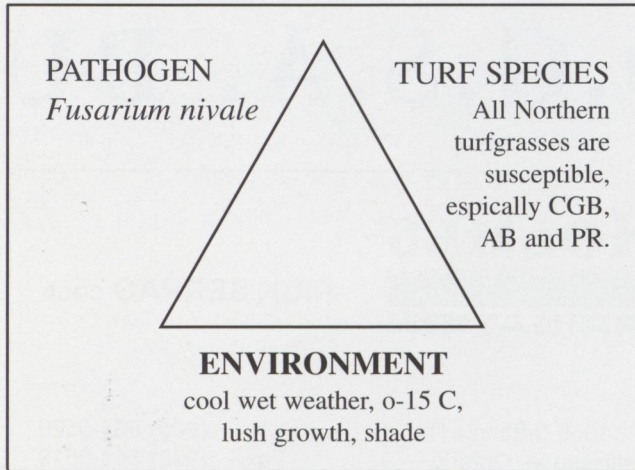
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CONTROLLING FUSARIUM PATCH DISEASE



* Fungicides containing one or more of the following active ingredients are registered for control: benomyl, chlorothalonil, propiconazole, and quintozone. Consult product labels and provincial publications for registered uses and recommended rates.

Resistant Turfgrasses: The following are considered less susceptible: Kentucky bluegrass, red fescue, and tall fescue, but these species are also known to develop severe outbreaks of the disease.

Cultural Control:

- * Reduce thatch as this is the environment for overwintering spores and mycelium.
- * Avoid succulent growth going into the late fall by mowing until leaf growth stops, and by not applying nitrogen later than six weeks before dormancy. Nitrogen may then be applied after the turf has gone dormant.
- * Also avoid excessive succulence in the spring, by delaying fast-release fertilizer application in the spring, or avoiding use of too much slow release fertilizer in the fall.
- * Maintain adequate soil potassium levels throughout the fall. Determine concentrations through soil tests.
- * Reduce shade and increase air circulation by pruning trees and shrubs that surround areas where disease is most severe.
- * Irrigate before midday rather than evenings to avoid long periods of leaf wetness.
- * Rake leaves and avoid heavy top-dressing in the fall.
- * Improve water drainage because this disease is particularly prominent in water-logged areas.

Chemical Control:

- * Generally, fungicides may be applied at the first signs of the disease. Preventive spraying is usually unnecessary except during epidemics in the fall.
- * Because of weather conditions, preventive control is much more important in the fall than in the spring.

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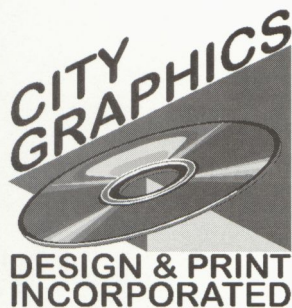
ONTARIO TURFGRASS SYMPOSIUM - UPDATE by Bruce Burger

The 1996 Ontario Turfgrass Symposium (OTS) is just around the corner. The dates are January 3, 4, and 5, 1996. This year will see the OTS move to a new location, The Regal Constellation Hotel on the airport strip in west end Toronto. With the changes made in the University of Guelph's seminar scheduling the OTS executive sought a new location for our symposium. Belinda Jardin and Kelly Wilson from the University looked into other venues and their associated costs. It was a unanimous decision to move to Toronto for OTS '96.

This will put the educational sessions and the trade show under one roof providing convenience for everyone attending. There will be a couple of small format changes. The trade show, Wednesday and Thursday, will be open longer hours and the Friday afternoon educational sessions will start earlier and finish earlier.

The speakers portion of the program is 99% completed and the information packages will be sent out in early to mid October. The "SUPERINTENDENTS SPEAK" portion of the program is scheduled for Friday, January 5 from 1:45 P.M. to 3:30 P.M. Four superintendents are scheduled to speak:

1. INSTALLING DRAINAGE INTO EXISTING GREENS - by Scott Dodson, The Park Country of Buffalo
2. PREPARING THE TORONTO GOLF CLUB FOR



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THE CANADIAN AMATEUR - presented by John Gravett, Toronto Golf Club

3. MAKING THE TRANSITION FROM ASSISTANT SUPERINTENDENT TO SUPERINTENDENT - presented by Peter White, Aurora Highlands Golf Club

4. CONSTRUCTION OF A PESTICIDE STORAGE FACILITY - presented by Paul White, Mississauga Golf Club

As noted above there are a wide range of topics being covered and this is the theme throughout the entire three day program. Mark your calendars now for OTS '96, at the Regal Constellation January 3, 4, and 5, 1996.

Vigoro appoints new territory Manager for Eastern/Northern Ontario.

Karyn Sturgeon has been appointed as Vigoro Canada Inc.'s new Territory Manager for the Northern and Eastern Ontario regions.

A recent graduate of the University of Western Ontario with a BSc. in Environmental Science, Karyn will be responsible for supporting the Vigoro Certified Dealer network and distributors in this region. She will be based in Barrie, Ontario.

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C.G.S.A. Conference and Trade Show

We are pleased to announce our 47th Canadian Turfgrass Conference and Trade Show at the Vancouver Trade & Convention Centre (VTCC), Vancouver, British Columbia in your publication. It will be held Saturday, March 2nd through Tuesday, March 5th, 1996.

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If there is any way we can co-operate with you regarding something you wish announced, please let us know.

Thank You,
R, Vince Gillis, CAE

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- Daniel Passmore** - Class E - Frechette Lawncare
- Nicole Snyder** - Class F - Beach Grove G.C.
- Sean Kelly** - Class F - Islington G.C.

APPOLOGIES to **Greg McLinton** of The Carleton Golf and Yacht Club who is a **Class A** superintendent not a Class B as reported in the last issue of G.I.B.

The O.G.S.A. has nominated Paul Dermott to run **for director of the G.C.S.A.A.**, the election to be held at the annual trade show and conference in February 1996 in Orlando, Florida.

Don't forget the **G.C.S.A.A. Seminar** being held on **November 20th & 21st** at the G.T.I. in **Guelph**. Watch for information coming soon.

QUOTE:

When the One Great Scorer comes to write your name, He marks not that you won or lost, but how you played the game. - Grantland Rice



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DANGER IN WONDERLAND

BY ROBERT D. OCHS

(taken from the October 1994 issue of GOLF COURSE MANAGEMENT, official publication of the GCSAA)

WINTER'S BEAUTY OFTEN CONCEALS ANOTHER REALM OF RESPONSIBILITY FOR GOLF COURSE MANAGEMENT

As the seasons change from summer to fall to winter, most areas of the country are treated to a dazzling display of nature's wonders. But the colours of fall and winter sometimes hide the responsibilities golf course management owes to the unwary who may come on to a golf course.

Early winter can bring ice storms that make the ground, driveways and walkways treacherous underfoot. Ice can weigh down tree limbs to the point of breaking or shearing

off, creating a danger to those on the course or to adjoining structures and their occupants. While snowfalls can be a source of beauty, they also can be annoying and dangerous - and should be carefully considered in the overall scheme of things.

THE DUTY OF CARE

Like everything else, comprehensive planning and preparation can minimize the liability golf course managers face during the change of seasons. While proprietors or operators of golf courses generally are held to a stricter accountability for injuries to patrons than are owners of private premises, the rule is that they are not insurers of others' safety. Rather, owners and operators of golf facilities are bound to exercise only "ordinary" or "reasonable" care for the safety or protection of their patrons. The standard here is care that an ordinarily prudent person would have exercised in the same or similar circumstances.

All liability for accidents that occur at a golf course arises from the duty of care owed to patrons of the course. The term "invitee" traditionally has been used to describe any person who enters or remains on the property of another for the purpose of bestowing an economic benefit to the owner of the premises. When owners or operators extend an invitation to use the course, they are obligated to use ordinary and reasonable care for the safety of those who accept the invitation and to protect them against reasonably foreseeable dangers.

This duty of care is a continual and active responsibility of the operator. Patrons have a right to expect that the premises have been safely constructed and that regular inspections have been conducted to determine any latent defects or potential hazards.

These inspections should be followed by a duty to provide repairs, safeguards or warnings that are reasonably necessary for the protection of patrons under the existing circumstances.

THE DUTY TO WARN

The duty of care includes other necessary responsibilities, such as warning patrons of latent or concealed defects or perils that are unknown to them and are unlikely to be discovered. This duty to warn applies when the operator knows or should know of the existence of such dangers.

These duties or responsibilities also have some



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DANGER IN WONDERLAND

merit in regard to other classifications of people who come on the golf facility. Trespassers, for example, are one such group who seem to be owed some duty under the modern trend of the law. But even more important is the safety of another group: children.

Children enter a facility as "invitees" the same as their adult counterparts. Although there have been court decisions that state no greater duty is owed children than is owed adults, that is not exactly the case. Children enter the premises with far less appreciation than adults for the possible dangers that may be present. Children have less experience to draw upon to evaluate the safety of the surroundings and the possible consequences. Therefore,

with regard to children, the owner's duty to provide warnings of these dangers or to remedy them completely is greatly magnified.

By the same token, it always should be noted that an owner cannot be held to ensure a patron's safety and provide perfect conditions, but only to provide reasonable safety from dangers that are known or should be known to the owner.

THE SEASON OF RISK

The duty of care and the duty to warn most normally are associated with the physical layout of the premises and its maintenance. Under winter conditions the amount of risk is naturally intensified and therefore, so is the liability.

When ice and snow cover driveways, sidewalks and all approaches used by patrons, they should be promptly cleared and/or sanded or salted to lessen slippery conditions. Due care must be given to thawing and freezing cycles that require additional maintenance.

In this regard, the importance of written records cannot be emphasized enough. Notations should be made of icy conditions and/or snowfall, duration of the weather, the time and date remedial action was taken and a detailed account of what was done to abate the situation.

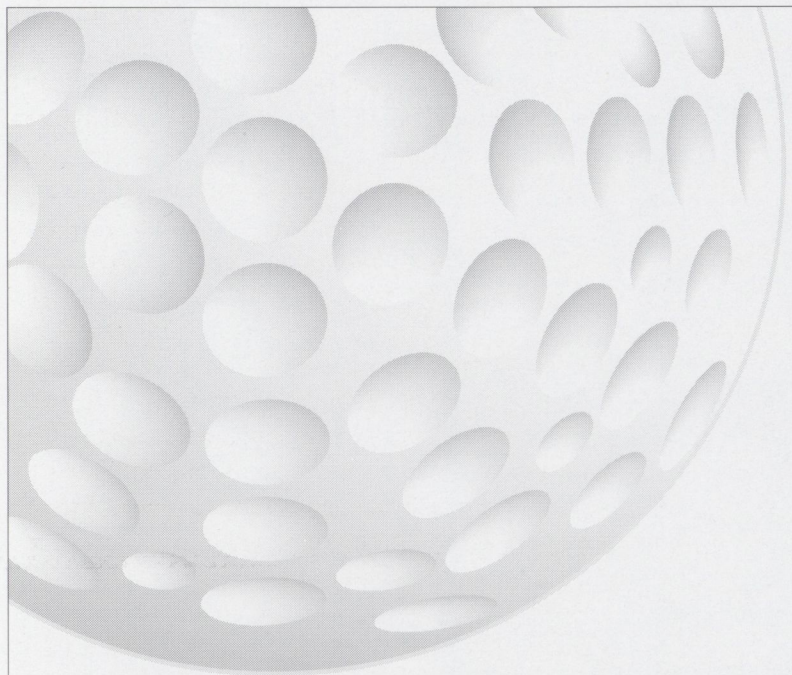
Without records to show that all reasonable steps were taken to protect patrons using the premises, it can be difficult - if not impossible - to build a defense in cases involving a slip-and-fall injury or a vehicular accident.

As a precaution, sidewalks and driveways should be inspected before a blanket of snow or ice arrives to obscure or conceal defects. The best time for a golf course manager to do this is during the spring or summer - perhaps in conjunction with other trips around the course. Again keep detailed notes on projected repairs and potential dangers, such as shaded areas that probably will not receive enough sunlight to aid in the melting or thawing process.

SAFETY SENTINELS

Attention should also be given to proper signage for approaches to a golf facility. In the event that complete removal of ice and snow or total abatement is not possible, warning signs of potential dangerous conditions should be posted.

Sometimes the most neglected areas are those just inside the clubhouse or pro shop. Melting snow



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DANGER IN WONDERLAND

or ice from shoes can make these areas particularly treacherous and due care should be taken. For example, putting down absorbent mats with non-skid backing minimizes the risk of slipping and falling.

Additional responsibilities exist for golf course management in those parts of the country where golf can be played on an intermittent basis all winter. Golf cart path safety should be of prime concern. Inspections of the terrain should be conducted to determine the grade and slope of a cart path. Cart paths can be particularly dangerous when covered with only a little moisture, and shaded areas must be monitored constantly for lingering slick conditions.

If a course will be open right after inclement weather, signs warning the unwary should be considered. If this is too expensive or unfeasible, then the cart paths should be inspected in the morning before golfers are allowed on the course.

LIFE AND LIMB

Another wintertime concern is the course's trees. Every course should have a tree-inspection program in place throughout the year, but they should be viewed with an especially critical eye when there is the threat of ice and snow.

Branches or whole trees that may not be able to withstand a heavy covering of ice and snow should be removed before they injure someone or damage property. Also, trees or structures that suffered wind damage during the summer are more vulnerable in winter conditions and should receive special attention.

Again, keeping records of such observations can save managers from the dire results of litigation and save money on insurance premiums. If a golf facility can show to an insurance company that it has an effective risk-management system, or that its loss history is nominal, sometimes preferential insurance rates may result. In fact, many property and casualty companies have risk-management divisions that offer free assistance in establishing these types of programs.

In many parts of the country, golf courses are used during the winter months for cross-country skiing and snowmobiling. But a sparkling blanket of snow can easily conceal such hidden and deadly

dangers as ravines, depressions and ponds. Signs or path markings may be necessary to warn wintertime users of the property.

Nature is not static. The ground is in constant and natural motion from a myriad of climatic conditions - drought, heavy rain, freezing and thawing. Thus, an inspection done 12 months ago, or even six months ago, may not be valid. Inspections should be ongoing and should be conducted on a regular and periodic basis, not only after a sudden violent weather event. As in all things, it's better to be safe than sorry.



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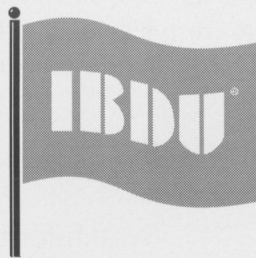
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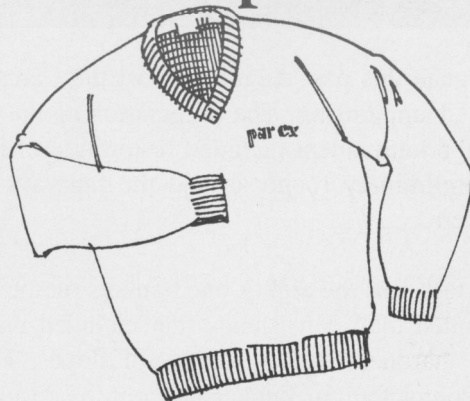
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PREPARATION FOR THE CANADIAN AMATEUR 1996

by Robert Brewster



I was fortunate this past August to host the Canadian Amateur Golf Championship. The preparation of the golf course before the tournament included restoration of back teeing areas, preliminary rough around the fairways and preparing bunkers.

The largest task was the eighty-one bunkers on the golf course. We wanted total consistency that included proper depth of sand, hardness and uniformity of slopes. Three years ago we completed our bunker program by restoring existing bunkers to the old design including steep slopes, liners and Ohio 535 sand. For the tournament we edged bunkers properly leaving a 2" to 3" area to the top of the bunkers on the green side and raking sand to the top of the bunkers otherwise. We found several problems. The sand had moved around in many bunkers due to mechanical raking. The liners had bulged out because of golfers and equipment entering and leaving the bunkers. The sand had

become beachy in spots from movement during raking. We spent eight weeks on the bunkers for the tournament using two to ten people per day repairing liners and removing excess sand. We checked all areas and compacted 4" of sand throughout the bunkers. All bunkers were raked by hand until the tournament to ensure no movement of sand. Over the past ten weeks we have found that our bunkers are perfect. The sand has not moved, the bunkers are firmer and the ball does not plug. This work helped to eliminate any complaints during the tournament and I have not heard a bad comment from a member over the past ten weeks.

In conclusion, I have discovered that hand raking the sand keeps the surface consistent and firm, creating fewer fried egg lies. Over the past three years the liners have kept the sand less contaminated. They do require more work due to frost heaving the liners and members walking down the slopes. I am hoping to hand rake the bunkers in the future.

MORE TO FOLLOW....

Watch for further information regarding the trials and tribulations of setting up for the Canadian Amateur Tournament by John Gravett in his presentation at the Ontario Turfgrass Symposium this coming January.

Green is Beautiful will carry a copy of his story after the Symposium.

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Golf Trivia

1. What did Jack Nicklaus say was one of his greatest thrills involving golf even though he wasn't a player?
2. If you tee off outside the markers in match play, what may your opponent ask you to do?
3. How many strokes did the late "Porky" Oliver take on the diabolical 3-par 16th ocean hole at Cypress Point: 12, 16 or 23?
4. Turnberry golf course on the west coast of Scotland is made even tougher by gale winds from what sea?
5. Who said, "If I'd stayed in school, I probably would have married too early and to the wrong guy"?

1. Being captain of the victorious 1983 US Ryder Cup team.
2. Play original ball or replay without penalty.
3. 16
4. The Irish Sea
5. Nancy Lopez

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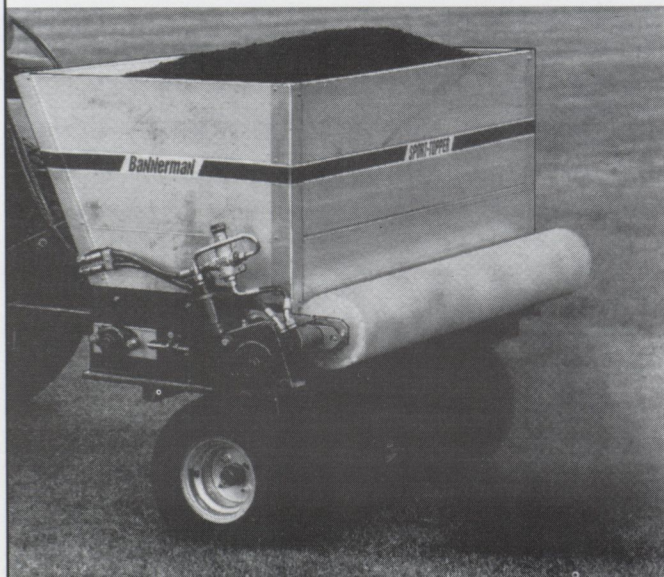
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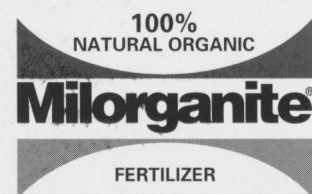
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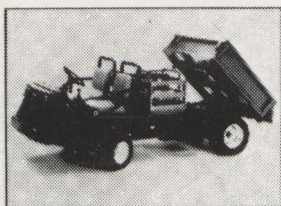
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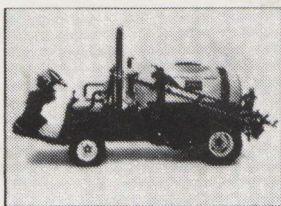
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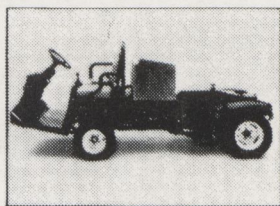
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