

"Green is Beautiful"

Ontario Golf Superintendents Association

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DECEMBER 1986

Season's Greetings





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CINDI CHARTERS

President's Remarks...

Barry Endicott

As the demands of a busy golfing season decrease with the onset of winter, it gives us a chance to sit back and reflect over the past year. Our successes, our failures, our compliments and our criticisms should be carefully reviewed and analyzed because there are always lessons to be learned from our experiences.

I think that 1986 will be remembered by its unusual weather. In most Southern Ontario areas, the winter was very tame with no major snow storms and we had a very early spring with many golf courses opening earlier than they have ever opened before. In the summer and fall most of us experienced at least 4 major heavy rain storms, washing out bridges, changing mowing practices, hampering projects, closing golf courses and restricting the use of golf carts. During the period from July to the middle of October, the weather had been the wettest in 140 years since they have been keeping weather records! Golf courses have never been subjected to such conditions. We had to respond to the daily conditions, take action and make decisions. We had to accept a poor situation, deal with it and try to turn it

into a better situation. When we accept the inevitable and deal with it in a positive manner, with success, we can't help but improve our positions as valued employees at our golf clubs. I am sure that the wet summer and fall of '86 will have its spinoffs in '87 with more drainage tiles, more cart paths, more tri-plex mowing of fairways and better bridges.

On May 20, 1986, Mr. Bluett, a long time Superintendent who spent a good part of his career at Mississauga Golf and Country Club, passed away. There is no doubt that Mr. Bluett was a pioneer Golf Course Superintendent who helped to pave the way for us with the result that we are all enjoying better working conditions. I know a lot of us get tied up in our busy lives and we often forget to reflect back to these early Superintendents who laid down the foundation from which we could build. Mr. Bluett will be missed.

The OGSA has had another successful year. The Guelph Symposium had been expanded to 2 days and this successful format will be continued. Our monthly tournaments and meetings were successful even though the wea-

ther didn't co-operate all the time. Attendance at some of our events was not as high as expected, but those who attended received good value for their money. Our financial picture is very healthy, putting us in a very good position to serve you better in 1987.

It has been a very enjoyable year for me as President of the OGSA, an opportunity that I feel everybody should take sometime in their career. I would like to thank the directors who carried out their duties so well. Our association responsibilities sometimes have to take 3rd spot behind our families and our jobs and it takes that extra dedication, as a director, to fill that commitment. Every director responded to his challenge and, like all team efforts, it has ended in success.

I would like to thank everyone for making this year a special one for me and I thank you for your support.

From The Editor...

This is the fourth issue of "Green is Beautiful" which has contained advertising. The OGSA Board of Directors agreed to accept advertising in this newsletter for a one year trial basis. This term is now complete and all indications are that advertising will become a permanent portion of "Green is Beautiful".

The funds generated by advertising, approximately \$5000, have gone a long way in offsetting the newsletter production and distribution costs. This, in turn, directly benefits the financial position of our association, which is very healthy.

I will be contacting the associate members of our association in the near future for their continued support. I trust they realize that all members of the OGSA, both regular and associate, benefit by a financially sound association.

The very best to all in the New Year.

On the move

Alex Labelle - From Midland GC to Carlton Yacht and GC
Bruce Clark - From Board of Trade to Midland GC
Barry Britton - From Tyandaga to Glendale GC
Rick Serrao - From Glen Cedars GC to Thunderbird GC
Bob Brewster - From Weston GC to Toronto GC

Congratulations to **Bob Travis**, Canadian Superintendent of the Year.

The OGSA would like to welcome the following new members:

John Stein	Ladies Golf Club of Toronto	Class F
Scott Richmond	W. Robert Hutcheson Sand & Gravel	Class E
Ryan Beauchamp	St. Thomas G & C	Class F
Robert Ian Arthur	Donalda Golf Club	Class F
Randy Scott	Hillsdale G & CC	Class A
John P. Lavis	Foxbridge GC	Class A
Corrie Almack	Soil Smith Ltd.	Class E
Brian McGary	D&R Distribution	Class E



Letter to the Editor

Dear Neil:

Thought I'd fill you in on the names of the Board of Directors in the picture in the recent "Green is Beautiful".

They are:

Left to right (standing) John Arends, Frank Dunn (Camp Borden), Dick Woodward (RideauView), Dave Gourlay, Phil Glover (Rivermead), Doug Suter, Bernie MacDonald.

Left to right (sitting) Ted Charman (Toronto Ladies), John Grightmire, Whitey Jones, Bill Hynd.

This is the 1970 OGSA Board when John Grightmire was President.

I enjoy the magazine, Neil, and appreciate very much the time and effort that you put into it.

Kindest personal regards,
Dave Gourlay

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R. PAUL JOHNSON
National Sales Manager
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Handwritten signature of R. Paul Johnson

OGSA Best Ball

by Thom Charters

Uplands Golf Club

Hosts: Ted Tom and Dave Dean

Twenty hardy golfers braved brutal weather to participate in this year's event. Hats off to all the competitors and the hosts for their efforts on our behalf.

First

Gord Witteveen and Ken Wright

Second

Jim Wyllie and Dr. Wayne Smith

Third

Walt Dudnik and Bob Haines

Fourth

Dave Gourlay and Dennis M'Cracken

Region 3 Election Meeting

by Thom Charters



Joe Allen, at Derrydale Golf Club, was an excellent host. Joe persuaded the owner, Jim Holmes, to provide coffee, donuts and an excellent chicken and rib lunch at no charge. Thanks, Jim, it was delicious.

On the business side, Thom Charters was re-elected for a 2 year term and Barry Endicott was elected for a 1 year term. The election was followed by a presentation by lawyers Robert Crouch and Michael Kerr regarding Superintendents Contracts. Lively discussion and pertinent questions helped to cover the topic in great detail. It's a pity that so many chose not to attend, but the topic will be included in some future meeting.

Teed off at weed problems?

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Compitox for the finest golf greens

A simple spray treatment with Compitox takes care of all your most troublesome weed problems on greens: common chickweed, plaintain, mouse-ear chickweed, and clover.

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The Superintendent's Role

Wherever the Game is Played

Billy J. Shelton

Just as the game of golf is endowed with its own lofty traditions, individual golf courses over time acquire uniquely identifiable traditions. And it is the unique role of the golf course superintendent to uphold his course's tradition as manifested in playing condition and aesthetic appeal.

The importance of this highly individualized role – and the tradition this guardianship role represents within the superintendent's profession – is such that it merits some serious reflection, especially now during prime tournament time.

As many members of the golf community know firsthand, tournaments don't just "happen." The superintendent's professional contribution is one of delivering peak-playability conditions from first tee-off to final putt. If he doesn't come through, there are simply no acceptable stand-ins readily available.

Fortunately, this profession's tradition of performance has been – and continues to be – one of "coming through" with remarkable consistency. At the pinnacle of the profession, some superintendents have been so successful in establishing and upholding their courses' identities that the names of those individuals have become synonymous with those of their courses. While not many may attain that peak of accomplishment and recognition, it should be understood that *most* superintendents do shoulder the same set of basic day-to-day primary professional responsibilities for their courses.

At tournament time, the larger impact and significance of the superintendent's many daily responsibilities should snap into sharp focus for everyone to see.

After all, one of the primary reasons any golf course is even considered as a prospective tournament site is because that course is rated a great test of golf. And what (beyond such "givens" as location and design) makes a course a great test of golf? Precisely that combination of playability factors – such as speed of the greens, purity of fairways and overall course conditions – determined by the superintendent's professional efforts.

To verify the uniqueness and importance of this role, we need only ask who else in the golf community could be expected to fulfill it. Would it be realistic to ask the resident pro to do so? Green committee members or their chairman? Tournament planners or their chairman? Tournament players? All those responsible parties have other important roles to fulfill, and few among them would be likely to possess the combination of skills, knowledge and background the superintendent's profession embraces.

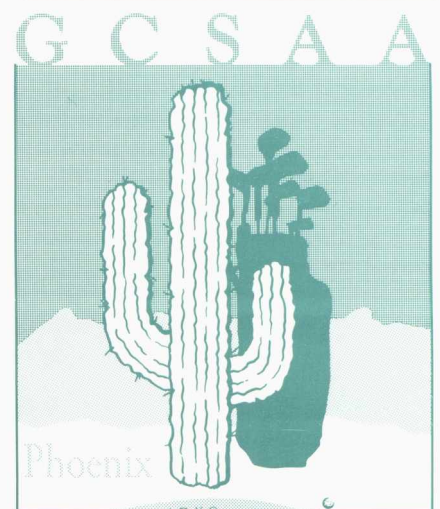
What's been said here about the role of the superintendent as today's golf course manager is just as applicable to local invitational tournaments as it is to larger, better-known and more widely publicized national events. Even though most superintendents may never have the opportunity – or the budget – to prepare a golf course for an event on the scale of a major national tournament, all can share a fraternal sense of pride with those who do.

Recognizing the fact that every superintendent's primary roles, responsibilities and professionalism are similar, each can relish his own course's traditions. Where appropriate, superintendents can adapt ideas, procedures and

management techniques that are momentarily in the national spotlight and apply them to enhance the test of golf offered by their own courses throughout the season.

It all comes down to one basic fact.

A reliably playable golf course is a prerequisite for a true test of golf, whether in the heat of high-dollar tournament action or a friendly weekday match. Today's professional golf course superintendent – typically, a GCSAA (OGSA) member – is the sole source for such a course and, as such, is truly every golfer's silent playing partner.



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Return to Hideaway: Home of the Master

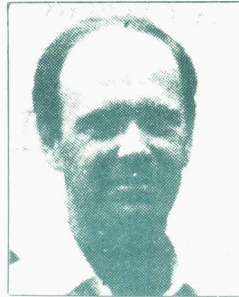
by Ron Heesen

October fifteenth was the big day for the Region One election meeting. This year's venue was held at Hideaway Golf Club in Windsor. Hideaway is the home of that illustrious golf-pro/greenkeeper Nick Panasiuk, now better known for his teaching abilities. Three of Nick's young stable of junior golfers are all on golf scholarships in the States. I am speaking of Audrey Bendick, Joye McAvoy and Sandra Renaud. Under Nick's care and coaching, these girls rank in the top ten in Canada. It is sometimes hard to tell whether Nick enjoys teaching these girls or if he would rather be installing drainage tile. Either way, Nick is a great member of our association. Not only does he understand the game of golf inside out, he has a great understanding of what the Superintendent faces day in, day out.

It was a somewhat cloudy day, but the golf turned out superb and Nick's well-drained course sure helped. Over 30 Superintendents turned out for the meeting. After golf, we were treated to a superb steak and lobster dinner. The election saw Gord Nimmo reinstated for another term on the OGSA Board. The highlight of the evening came when Gordon Witteveen entertained us with his talk on hosting the duMaurier Classic at the Board of Trade. Gordon's talk was superb and capped off a fine day.

It would be a big mistake if I did not thank all those who helped in making this a great meeting. Thanks to Virginia and Louise Panasiuk for the great dinner; Bob Panasiuk and Nick Panasiuk Jr., who joined the participants for golf – what a great way to learn how to play golf; All Turf for their equipment display put on by Larry Allan; to our many guests, especially from Michigan, Jim Timmerman, Ted Whoerle, and Gord Lafontaine; from Toronto, Bill Hynd, Gordon Witteveen, and Larry Allan; last but not least, to Nick Panasiuk for making the whole day possible. Nick was presented with an OGSA golf shirt for his efforts which, at last report, was winging its way to Windsor via Canada Post.

Merry Christmas to all in Region 1 and good luck with plans for 1987!!



G.B.S.A. News

by Alex Labelle

Horseshoe Valley Resort was the site of the G.B.S.A. final day on September 16, 1986. It was probably the only day in September that it didn't rain. The course was in great shape thanks to superintendent John Hughes' hard work.

After the tournament, we awarded prizes for the day and total four games of the season. Low gross and net suppliers of the year went to Bruce Calhoun and Ted Hartwell. Low teams were Bordon G.C. and Midland G.C., with low superintendent awards going to John Hughes and Neil Acton. As you can see, there were quite a few prizes handed out thanks to support from our enthusiastic suppliers and the sharp pencil of Doug Acton.

As usual, Horseshoe Valley Resort's Ken Robertson saw to our every need and it might be a good idea to hold our final event there each year considering the ease of access, excellent facilities and service.

This will be my last report as President of the G.B.S.A., since I will be leaving for Ottawa this winter. I will be turning Midland Golf and Country Club over to the capable hands of Bruce Clark. Ray Richards has agreed to be president with the help of John Hughes and Henry Toews. Of course I'll be back from time to time to visit old friends and play on some fine golf courses.

Ed. Note:

Good luck at Carlton Golf and Yacht Club, Alex. We'll hold you to your word regarding return visits!



New Treatment for Dutch Elm Disease 'Promising'

Courtesy Toronto Star

A researcher in Holland has taken a significant step in the fight against Dutch Elm Disease, according to Ian Delaroche, director of chemistry and biology research for Agriculture Canada.

The elm, a magnificent, fountain-shaped tree that once graced the Ontario countryside, has all but disappeared due to a fungus that, in effect, chokes off its sap.

Ton Kerkenaar, head of research into the disease at the Institute of Applied Chemistry in Holland, claims a newly developed fungicide, fenpropimorph, has produced encouraging results on 229 test trees over the past two years.

Delaroche told The Star the treatment is somewhat like giving a human "a dose of penicillin."

He said the fungicide prevents the killer fungus from developing into the white-strand mycelium stage, which chokes off the life of the tree. Kerkenaar's paper was

presented to the Sixth International Congress of Pesticide Chemistry in Ottawa.

Delaroche said the fact that Kerkenaar presented his findings at the meeting lends substance to his claim. A University of Guelph expert, who interviewed one of Kerkenaar's team, called the fenpropimorph treatment "very promising," but was skeptical of its commercial potential.

The treatment would cost about \$200 a tree, require a large labor force to be widely used and special training for those who injected the solution, Lloyd Edgington said, but could be the answer for homeowners.

There are preventative measures but no cure for Dutch Elm Disease, first described in Holland in 1921 after it entered Europe from Asia. It was introduced to Canada and the United States in 1930 on elm logs imported for furniture veneer. Millions of elms in the eastern part of Canada were killed

before it spread west and, later, southward.

The fungus sometimes spreads by roots to healthy trees, but it is generally spread by elm bark beetles. Kerkenaar says that, unlike earlier fungicides, the new treatment is toxic enough to inhibit the growth of the fungus without harming the tree. This is because the new fungicides, like fenpropimorph, permit concentrations low enough to interfere with the growth of the fungus, but not that of the tree. They also allow wounds at the site of injection to heal normally and so do not stunt the growth of wood.

The new fungicide treatment is cheaper than existing methods and can also be applied easily by injecting roots, root stumps or the trunks of elms. The treatment may even prove effective in curing similar withering diseases affecting oaks and plane trees, Kerkenaar says.

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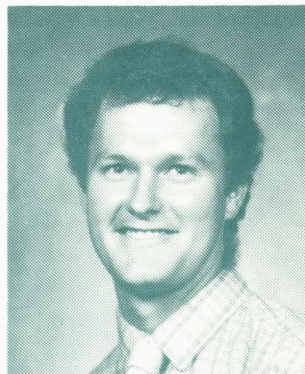
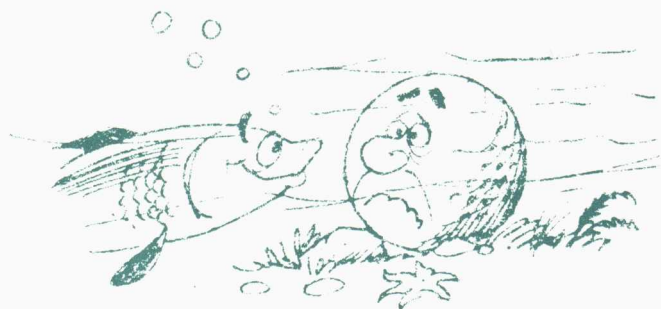
Over 30 Years Experience!

CGSA Fall Field Day

by Thom Charters

A large number of OGSA members participated in this year's event at Kanawaki GC. The OGSA Team finished second to the Quebec entry for the CGSA Trophy. This annual event is a great way to renew old acquaintances and make new ones. Plan to attend next year.

It was announced at the dinner that the host superintendent, Bob Trevis, was named the Score Award, Superintendent of the Year.



WOGSA

by Dave W. Gourlay

The 1986 season in Western Ontario has ended in a whimper. Play was down in September, resulting from the record-setting rainfall that fell upon us. Prolonged wet conditions were prevalent throughout the region. Additional repairs to bridges, bunkers, drainage and cart paths at this time of the season left many of us scrambling with the limited number of employees left at our clubs.

The WOGSA, on the other hand, had a very successful year. Attendance at our meetings was excellent. Our last tournament of the year was the Taylor Barnes. The tournament was held at the Brantford Golf and Country Club which was hosted by Vince and Rick Piccolo. Eighty eight people attended the day with the majority playing golf. Dr. Burpee gave us a very informative talk on the latest research and development from the University of Guelph.

Taylor Barnes Winners

Low Gross: Don Blatchely 75 Sawmill Golf Club
Low Net: David Wray 70 Nanticoke Golf Club

A special presentation was given to John Piccolo for his contribution to the WOGSA over the years. This distinguished service award was presented to John for his driving force in the success of our association.

The 1987 WOGSA Board of Directors are the following:

President	Bob Kennedy
Vice President	OJ Piccolo
Historian	Bill GLashan
Sec/Treasurer	Scott Dodson
Games Captain	David W. Gourlay



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Ontario Turfgrass Symposium

Peter Clark Hall
University of Guelph
January 6 & 7
Price: TBA

January 6

- 8:00 Registration (Pre-registration packs)
Chairman: Norm McCollum
- 9:40 Opening remarks and welcome by:
Dean McCewan O.A.C. and
Robert Kennedy, President O.G.S.A.
- 10:00 Keynote Speaker - Uwe Wicke
Working With Winners
- 11:00 Corey Almack
Soil Smith Corporation
Burlington, Ontario
- 11:30 Dr. Lee Burpee
University of Guelph
Research Update
- 12:00 Lunch in Peter Clark Hall
Chairman: Al Draper CGCS
- 1:30 Presentation of OGSA 25 Year Plaques
- 1:40 Dr. Clinton Hodges
Iowa State University
General Biology of Sand Greens
- 2:15 Break
- 2:45 Pat Tucker
University of Guelph
Trees and Shrubs on the Golf Course
- 3:15 Warren Bidwell
Tee 2 Green Corporation
Slide Presentation
Cocktail Hour with Cash Bar
in Faculty Lounge

January 7

- 8:00 Registration, coffee and donuts
Chairman: Gordon Witteveen
- 9:00 Rod Hermitage
AgTurf Limited
Chemical Update
- 9:20 Dr. Chris Hall
University of Guelph
Plant Growth Regulators
- 9:40 Demi Moore
Aquatrol Corporation
Water Use
- 10:00 Break
Chairman: Thom Charters
- 10:40 Stu Mills
Hamilton G&CC
Computers on the Golf Course
- 11:00 Jerry Richard
Brooklea GC
**Expansion and Renovation
at Brooklea**
- 11:20 Doug Hoskins
Summit GC
Let it snow, let it snow, let it snow!
- 11:40 John Bennett
London Hunt Club
Construction
- 12:00 Thomas McBroom
Golf Course Architect
- 12:30 Lunch in Peter Clark Hall
- 2:00 Gale Friedlander
Images That Suit
- 3:00 Draw

Symposium Organizer Hugh Kirkpatrick has assembled an excellent selection of speakers for this two-day event. Pre-registration packs are enclosed. Don't delay, register today!

5 Years Ago Today

by Barry Endicott



The Board of Directors in 1981 were Ken Nelson (president), Bob Brewster (vice pres), Rusty Warkman (sec), John Smith (treas), Paul White (past pres), Dan Ardley, Al Draper, Barry Endicott, Blake McMaster, Dave Moote and Doug Hoskins. The editor of "Green is Beautiful" was Bob Brewster and the co-editor was Barry Endicott.

The OGSA/WOGSA joint meeting was held at the St. Catharines Golf and Country Club hosted by John Piccolo with 63 golfers in attendance. Hugh Kirkpatrick was low gross winner with a 77 and Bill Glashen was low net winner with a 71. On June 14th, the Galt Field

Day was held at the Galt Country Club hosted by Paul Scenna. The President, Greenchairman, Superintendent Tournament was held at the Scarborough Golf Club on July 17. There was a rules meeting held at Westmount Golf Club and forty Superintendents, associates and guests attended with Keith Nesbit discussing the rule book.

The Pro Superintendent Tournament was held at the Castlemore Golf Club with Dave Nichol as host Superintendent on August 17th. The winning team was from Aurora consisting of Laurie Buckland and Paul Dodson and the second team was from Oakdale Golf Club with Ron Montessoro and Paul Dermott. The low team Gross Aggregate was from Westmount Golf Club consisting of Gus Maue and Hugh Kirkpatrick.

The OTRF Tournament was held at the National Golf Club and the barbecue at the Board of Trade Country Club with \$4,800 being raised. Ian Clark was the low pro with a 72 and George Garner was the low man from the rest of the field. Ninety people attended the barbecue afterwards and the cost of the day was \$50.00.

The CGSA Conference was held in Vancouver, B.C., and it set

a record attendance of 750 people. A pre-conference golf tournament was held at the Shaughnessy Golf Club and the Point Grey Golf Club and the winners were Rod Hermitage winning the gross prize and Hugh Kirkpatrick winning the net prize. Sixty four golfers participated in the tournament. The GCSAA was held in Anaheim, California, with a record attendance of 7,713 people.

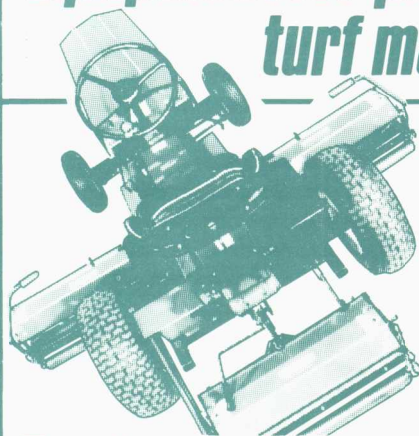
Jim Wyllie became the vice president of the GCSAA. Blake McMaster became a director of the CGSA. Dan Uzelac became a director of the Michigan Golf Superintendents Assoc. Randy Price became the Superintendent of Markland Wood Country Club and Bob Heron became the Superintendent of Mississauga Country Club.

New members were Sean Evelyn, Evelyn Golf Centre, Alex LaBelle, Midland Golf Club, Gerry Chillingworth, Aero Irrigation Ltd., James Moore, Puslinch Golf Club, Mark Hagen (F), Greenhills Golf Club, Doug Rothwell (F), Islington Golf Club, and Don Crimble (F), Islington Golf Club.

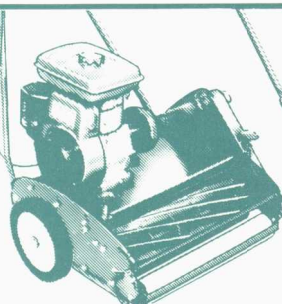
The Christmas Dance was held at the Oakdale Golf and Country Club on November 14.

Equipment for professional turf maintenance

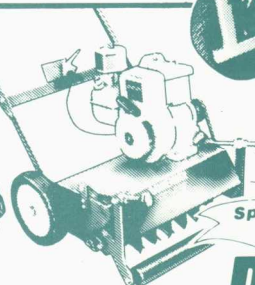
Greens Genie aerifier



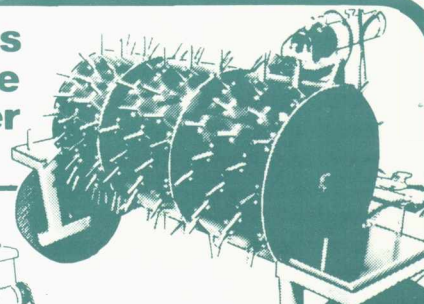
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Core Transplanting

by Karl Ed Olson, Agronomist for Championships, USGA Green Section Record

Core transplanting, by itself or in combination with other programs, is a technique that can be used to restore turf to bare areas on greens. It is perhaps most useful in cases where turf loss is patchy rather than complete. The turf loss shown in the photographs was the result of an aggressive pearlwort control program. Core transplanting was planned in this instance when the fall overseeding failed and cool spring weather prevented an early overseeding effort.

The first step is thorough aerification. Using a large 5/8-inch tine will make it easier to place the good plugs back into the holes. Some of the newer aerifiers will permit even larger tine coring. Do not overlap when coring, and follow a straight line method of aerification.

Cores from the healthy portions of a green are placed by hand into the holes on the bare areas. You must proceed quickly with this part of the process to prevent the cores from drying out. Natural

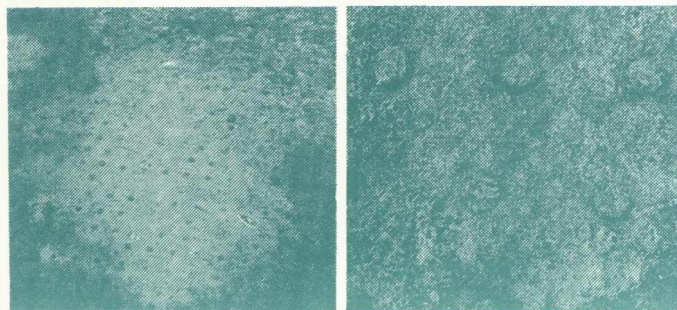
settling will cause them to drop somewhat in the first few days. However, this will prevent them from being pulled up or out by the mowers.

Next, apply a seed/soil topdressing mixture by hand. Gently work it into the bare, transplanted areas to establish good seed/soil contact. Finally, apply topdressing to the entire green in the usual manner.

Without a doubt, core transplanting is time consuming. However, when it is executed properly, it will yield excellent results. Putting conditions were good three weeks after transplanting was completed. Conditions had greatly improved in as little as a week's time. Certainly this method is not meant to replace sodding or overseeding in all cases, but it has its place in course management, and it can be used to the superintendent's advantage. It prevents the patchy appearance that so often results from sodding.



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McClumpha '86 Maple Downs G.C.



Jack Austin (left) presenting McClumpha Trophy to winner, Bill Hynd.



Paul White (right) thanking host superintendent Paul Brown.

Influence of Protective Covers on Reducing Winter Desiccation of Turf

by J.M. Roberts, Harvests

Loss of turf to desiccation in late winter and early spring continues to be a major problem especially in northern climates. Most early research with protective covers involved the use of solid or perforated plastic tarps. Because of the "greenhouse" effect created by polypropylene covers, the proper timing of removal in the spring is of critical importance. Black insulated blankets and polyethylene of several different densities and colors have been tested and found to reduce winter desiccation and raise minimum soil temperatures, but they excluded light to cause chlorosis of the turf. Straw mulch works but stimulates snow mold.

Research at the University of New Hampshire has evaluated natural and synthetic covers for the protection of Emerald bentgrass putting green turf from desiccation during the winter and early spring and to enhance subsequent growth and appearance of the turf. The following observations have been recorded:

– Spunbonded polyester blankets provided the most beneficial results.

– Compared to the uncovered control, bentgrass grown under the spunbonded polyester blankets generally had 10 to 20 percent more spring leaf moisture, up to 24 percent more root length, 80 percent more clippings and up to 20 degrees Fahrenheit (10 degrees Centigrade) higher soil temperatures.

– Compared to the uncovered control, spunbonded polyester blankets hastened the rate of spring turf green-up by 5 to 12 days.

– Polypropylene blankets and pine needles also reduced winter desiccation although less consistently.

– Polypropylene blankets blocked up to 99 percent of the photosynthetically active radiation and caused less desirable color and growth when compared with the spunbonded polyester.

Wettest Summer in 143 Years Caused by Stalled Jet Stream

Courtesy of Toronto Star

A jet stream parked in the skies at 45,000 feet in a line from Texas to Toronto for the last two months is mainly responsible for dumping so much rain on us this summer.

Tumbling along up to 240 kilometres (150 miles) an hour, the jet stream trapped a cold air mass on the south side and a warm air mass on the north.

When the warm Gulf of Mexico air slid up the side of the jet stream and collided with the cold air mass over Ontario, it created rain about every 24 hours over Ontario, making it our wettest summer in 143 years.

About 573.5 millimetres (22.5 inches) came down.

Traditionally, the jet streams, which separate air masses, have cold air on their north side and warm air on the south.

What is strange this year is that during August and September, the jet stream parked in a north-south axis and didn't move.

Normally, they run west to east and vary almost daily.

The good news is that the direction of the one parked over Ontario is shifting back to a west-to-east line and that should ease up on the rainy weather we have been getting.

The path of the jet stream had been North from Texas over the Toronto area and then bending away to the northeast to head out over the Atlantic Ocean.

This parking of the jet stream has created a storm track over Ontario for the past two months and weather officials can't say why the long-wave

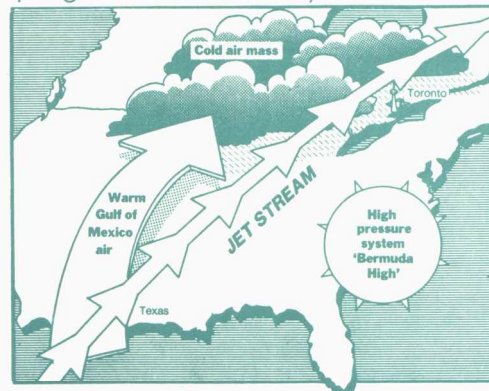
weather pattern shifted so radically this summer.

The long-wave patterns "re-arranged themselves" this summer and forecaster Dan Restic says "that's why it was so wet."

Another factor is that in late July the high-pressure system known as the Bermuda High, which normally sits off the United States' east coast, settled inland over the southeast.

The Bermuda High prevented storms from crossing that area and redirected them north to the Great Lakes, said Sandy Radecki, Environment Canada climatologist.

The odds are that a similar weather pattern won't develop again for another 50 years.



Jet Stream Slip-up: Diagram shows where the jet stream has been stalled in the skies at 45,000 feet for the past two months, in a line from Texas to Toronto – the main cause of record rains.

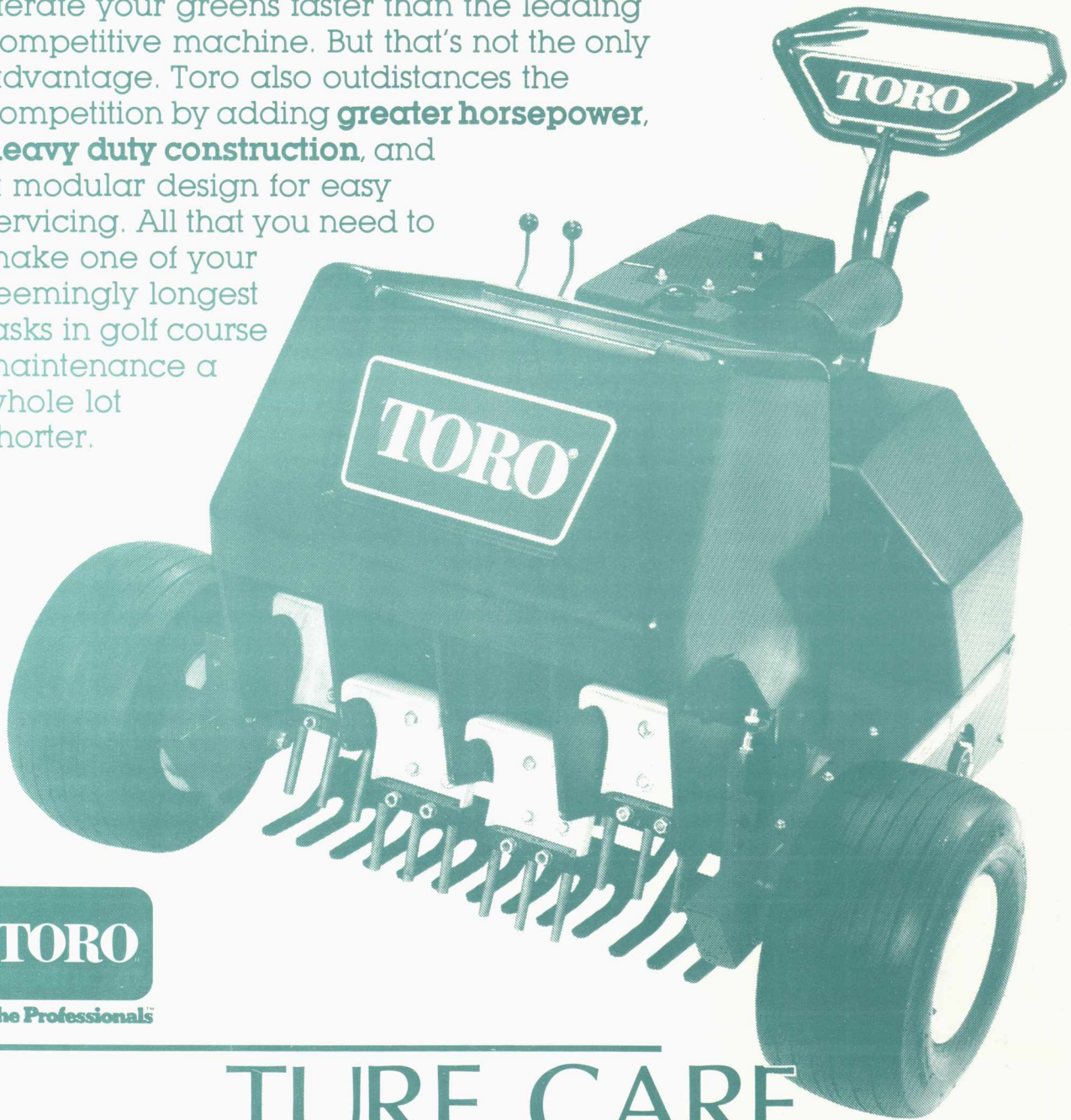


Many thanks to Dave Gourlay for filling me in on the identity of the Past Board of Directors which I published in the last "Green is Beautiful." Well, I just happen to have come across another picture, even older than the last one. No mistaking Keith Nisbet, Art Dodson and Dave Moote (with the brush-cut), but I'm at a loss from there on. Who's going to be kind enough to help out this time?

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Jan. 6 & 7, 1987	ONTARIO TURFGRASS SYMPOSIUM	Peter Clark Hall Univ. of Guelph
Jan. 26 to Feb. 2, 1987	INTERNATIONAL TURFGRASS CONFERENCE & SHOW	Phoenix, Arizona
March 8 to 11, 1987	CANADIAN TURFGRASS SHOW	St. John, New Brunswick



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