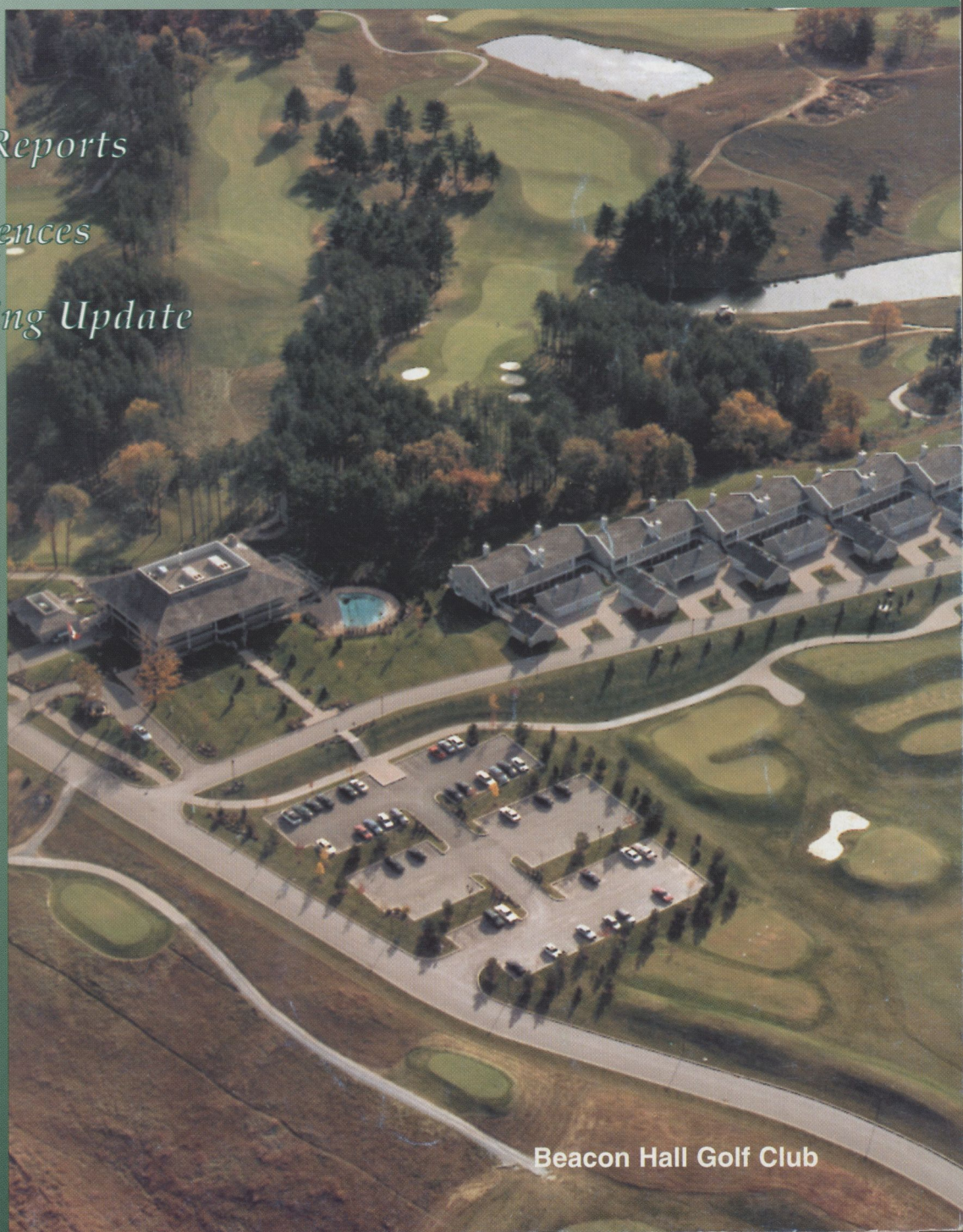


Green is Beautiful

The Official Publication of Ontario Golf Superintendents Association

INFORMATION ON:

- *Reel Cooperation*
- *OTS Update*
- *OGSA Director Reports*
- *Turf Or Consequences*
- *Pesticide Licencing Update*



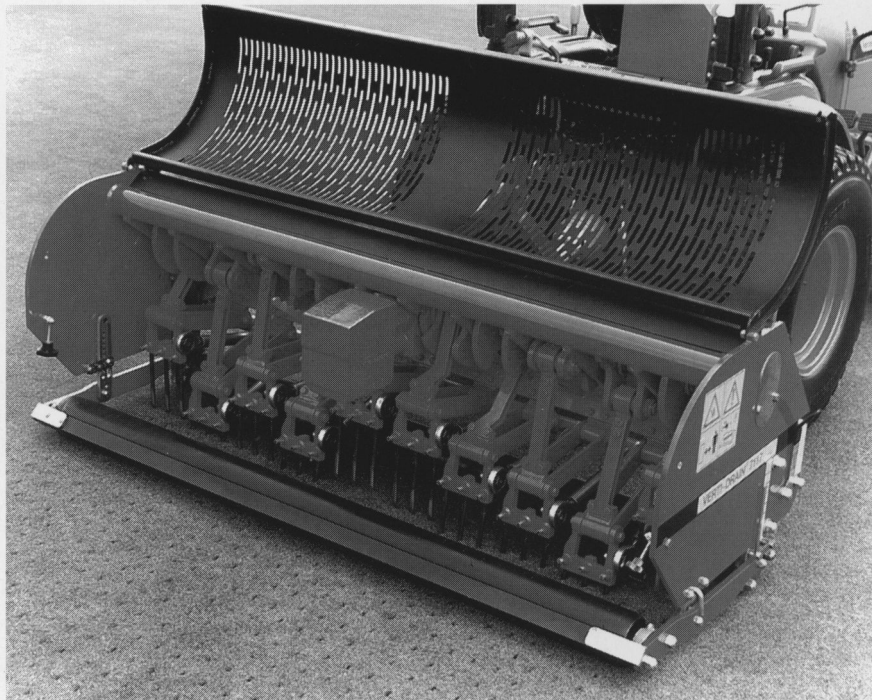
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Green is Beautiful

The Official Publication of Ontario Golf Superintendents Association

contents

OCTOBER EDITION 1998

what's inside

- 2 EDITOR'S COMMENTS
by Mark Piccolo
- 3 PRESIDENT'S MESSAGE
by Ian Bowen
- 3 WATER WORKSHOP
by Turfgrass
- 4 O.G.S.A. DIRECTORS' REPORTS
- 5 O.G.S.A. DIRECTORS' REPORTS
- 6 GTI RESEARCH FIELD DAY
by Rob Whitherspoon
- 7 TURF OR CONSEQUENCES
by Doug Breen
- 8 PESTICIDES IN ONTARIO
by John W. Gravett
- 10 ONTARIO TURF SYMPOSIUM 1999
- 11 ONTARIO TURF SYMPOSIUM 1999
- 12 THE EARLY YEARS
by Gordon Witteveen
- 18 PROFESSIONAL CERTIFICATION
- 19 O.T.R.F.
- 20 REEL COOPERATION

advertisers

- 3 NU-GRO CORPORATION
- 5 GREEN HORIZONS
- 6 SKYWAY
- 9 CENTURY RAIN AID
- 12 BRAEMAR
- 13 ZENECA
- 14 TURFCARE
- 14 STEWARD AWARD
- 15 ALMACK
- 15 PLANT PRODUCTS
- 15 THE SCOTTS COMPANY
- 15 TERRA
- 15 RAY GORDON
- 15 ALBION GOLF CARTS
- 15 ZANDER SOD CO. LTD.
- 15 NU-GRO CORPORATION
- 17 NUTRITE
- 18 BANNERMAN
- 20 PELEE
- 21 TURF DRAIN INC.

editor's comments



Congratulations to Mark Warner from the Capital Golf Centre in Gloucester, Ontario for winning a fleece sweater from the O.G.S.A., by returning our survey in the last issue of Green is Beautiful. From the survey we developed a pool of individuals to form an editorial committee which will

meet twice a year to help create a more membership involved newsletter. We also summarized that many would like to see more colored photos but not necessary a full colour package. We are inquiring about costs for this and will see a change in the design and format for our OTS issue.

I wish to thank CityCo. Inc. in Cambridge for their service over the few years in helping us progress with our newsletter. The O.G.S.A. felt it was important to have our printer located close to our office as the organization of the newsletter becomes more of our officers managers responsibility, and have obtained the services of a local printer beginning with the OTS issue. All advertising and articles are to go to the O.G.S.A. office. A new advertising rate sheet and particulars will be sent out in October to all our associate members with some slight changes

Mark Piccolo
Newsletter Editor

Green is Beautiful 1998

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president's message

NATIONAL OCCUPATION STANDARDS



Golf Course Superintendents, will benefit from the development of the National Occupational Standards. The National Occupational Standards will help define the role and responsibilities of the various people who work for and with golf course superintendents. The standards developed in cooperation with Human Resources Development Canada are the specific indicators of what it takes from both skill and knowledge to be a golf course superintendent. The standards will be utilized in the future to educate employers on the necessary skills and knowledge superintendents must possess. As well, they will provide educational institutions across the country the opportunity to align their curriculum around the foundation of the standards. The standards will help in the development of a certification program. Certification, will allow for a better development of a more defined job description and chosen career path as well as the development of a professional recognition process.

The OGSA, is proud to have been partners in the development of the National Occupational Standards. We as an Association will continue this partnership with the CGSA in the development of a Certification Program.

Ian Bowen
Oshawa Golf Club

water workshop

TURFGRASS WATER WORKSHOP

Effective water management is necessary for golf course survival during hot summers like this past one! University of Guelph's Turfgrass Water Workshop helps superintendents and staff make the most of the water available. During the two day course, January 25th and 26th, 1999, participants learn about weather systems, evaporation, factors influencing water budgets, water conservation, water quality, weather stations, radio control, principles of drainage, water management and construction of a sand based green hydraulic repair, trouble shooting and winterization. For more information, please contact Peggy Nagle at the University of Guelph.

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O.G.S.A. directors' reports

Education and Scholarships - Director Jeff Burgess

The O.G.S.A. has developed the Turfgrass Education Awards to recognize scholastic accomplishments and potential leadership in the field of turfgrass management. Students who are Ontario residents and have a career goal of being employed in the golfing industry are eligible to apply. Diploma and degree applications must be received by November 30, 1998. Please refer to the application and information letter insert, for further details.

Membership - Director Jim Flett

I will be attending the annual chapter delegates meeting in Lawrence, Kansas at GCSAA headquarters on September 18th and 19th on behalf of the OGSA. The meeting will allow our chapter to voice our views, opinions and ideas to GCSAA leadership and its affiliated chapters. Information will be provided on GCSAA programs as well as revisions to the upcoming new affiliation agreement with GCSAA that starts January 1, 2000. There will also be a "Meet the Candidates" portion to the meeting to allow individuals a chance to meet those GCSAA candidates running for office. I will provide membership with a report in the next issue of the magazine on how the meeting went.

Included in this year's membership renewal form is a section to provide additional information about yourself. This information will be entered into our database to give us a better feel for the demographics of our membership. Please make sure you fill out this form as accurately and completely as possible.

G.C.S.A.A. - Liaison, Robert Heron

This large, well organized association continues to provide numerous helpful material for our chapter. "The Conference" will be held in Orlando, Florida, Monday, February 8th through Sunday, February 14th, 1999.

Golf and Meetings - Directors Keith Bartlett and Dean Baker

The golf tournaments held during the past season were very successful. Each event had full

participation even with an extended, hot and dry season. The golf calendar consisted of the Border Cities Event, Pro/Superintendent Event and the President/Greenchairman Event.

The Border Cities Event was held at the Country Club of Detroit. There was a full field of participants to enjoy the Colt designed course with perfect late April weather. After dinner, a local dermatologist informed us about the dangers of sun exposure and the best method of protection. The host superintendent was Mark Jackson and it was a real treat to play on the new A-4 bentgrass greens. The Pro/Superintendent Event was held once again at Glen Abbey Golf Club. A best ever turn out enjoyed the hospitality of our host superintendent Dean Baker and services at Glen Abbey. The fierce competition was enjoyed by all who trekked out to the perennial site of the Canadian Open. The President/Greenchairman Event hosted by St. George's Golf Club was oversubscribed once again. The golf course layout and conditioning made the event very enjoyable. Our host superintendent, John Gall made a few remarks after dinner that embodied the spirit of the Superintendent's fraternity and thankfully pointed out to all that the greens do not roll at least eleven feet on a daily basis. The professionalism and dedication displayed at each golf course speaks well of our industry.

The golf events for 1999 have been determined and we look forward to a full participation, once again.

Border Cities Event

Essex Golf Club Monday, April 26, 1999

Pro/Superintendent Event

Islington Golf Club TBD

President/Greenchairman Event

Toronto Golf Club Monday, July 19, 1999

Roster - Director, Robert Heron

The 1998 Roster again realized a small profit, although the Board's primary intention is to provide an accurate listing of members. This useful booklet can only be as accurate as the information provided by the members. We welcome any suggestions for positive changes to this Membership Guide. Next year's roster will be available much sooner, due to a more stable situation in our office.

O.G.S.A. directors' reports

O.G.S.A. Office at G.T.I - Office Administrator, Dorothy Hills.

The fiscal year is quickly drawing to a close and over the past six months the OGSA office has experienced quite a few changes in the area of personnel and equipment. The office now has a new Pentium II computer with an ergonomic keyboard and a Microtec Scanner. This new equipment allows us to join the Information Highway; we can be reached at ogsa@gti.uoguelph.ca. We will soon be working towards a web site and are open to any suggestions you might have.

A new accounting program, Quick Books has been installed in the computer. It's user friendly and will aid us in maintaining accurate and complete financial records. A data base program has been installed and upon receipt of the Membership Information sheets a complete membership data base will be set up and maintained. Please take the time to fill out your sheet and mail it back to us. Accurate office records depend on members advising us of any changes in their status, address, phone etc.

Thank you to all the concerned members who returned their Green Is Beautiful Questionnaire. The results have been tabulated and the editorial department have set up a meeting to assess what changes are required. and those members who volunteered to help in some capacity with the publishing of Green Is Beautiful will be contacted shortly. We appreciate your involvement and look forward to working with you in the very near future. Mark Warner, Superintendent at Captial Golf Centre in Gloucester will soon be sporting a luxurious navy blue OGSA fleece sweatshirt. He is the lucky winner of the Questionnaire contest. Congratulations Mark!

Membership dues invoices were mailed out on September 10, 1998 in an effort to reach members before they closed up for the season and moved on to other parts of the country. If you have any questions don't hesitate to contact Dorothy at the OGSA office. Policies and Procedures for each director's portfolio are being put into place, and a Policy Binder set up for easy reference by the directors and the office administrator.

Don't forget the deadline for the photo contest is October 10th. The lucky winner will have their photo viewed in panorama on the OGSA display booth. What an opportunity for all you would be photographers. Don't miss out on this chance....get snapping!

I've been with OGSA for six months now and would like to thank our members for their patience and

cooperation, while I was learning the ropes and getting into the swing of things. I felt like I was hacking in the ruff for a while but the fairway looks good and I don't anticipate any unforeseen problems. I look forward to meeting you all at some point and time. If you're in the area, drop in....my door is always open. At this time I would like to introduce you to your newest director, Dave Cours.

My name is Dave Cours. I am a ten-year member of the OGSA and am very proud to have been asked to serve you on the Board of Directors. I have been employed, at Erie Shores Golf & Country Club in Leamington, for eight years as their Golf Course Superintendent. I have also taken over the responsibilities of Director of Golf in the past year.

On a personal note, I am married to Mary (some of you know her as Martz) and have two beautiful daughters.

They are Megan (six years old) and Erin (almost four). As a family with two budding naturalists, we enjoy living in Leamington only 5 km from Point Pelee National Park. It's a great place to be.

Thank you for allowing me to serve you as a Director of the OGSA.

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1998 GTI research field day

By Rob Whitherspoon, GTI Director

The annual GTI Research Field Day was held at the Guelph Turfgrass Institute on Tuesday, August 25th. In spite of the slightly later-than-usual date and a somewhat threatening weather forecast, over 200 turf professionals turned out for a day of information and education.

Ted Tom, President of the Ontario Turfgrass Research Foundation welcomed participants and encouraged them to become more actively involved in turfgrass research by joining the OTRF which provides funding for specific research projects of interest to Ontario turf managers. The new Assistant Deputy Minister of Agriculture Jim Wheeler brought greetings from the Ministry of Agriculture, Food & Rural Affairs. He also made some interesting comments about his sense that water quality, use and availability will be one of the major issues affecting golf course superintendents in the next few years.

Following the opening session was a tour of research plots featuring new and ongoing projects being undertaken at the GTI this summer. Faculty and research staff were located at their plots throughout the site to present the latest results and discuss their work with the turf professionals. Participants also had an opportunity to view the new research green. This green will help to accommodate the tremendous increase in research conducted on bentgrass maintained under putting green conditions.

After a BBQ lunch, a number of hands-on workshops were held. The popularity of this portion of the field day has increased since they were originally offered three years ago. This year, the workshops were sold out by the pre-registration deadline in mid-August. They provide a unique

opportunity for hands-on learning from Dr. Jack Eggens, Dr. Tom Hsiang, Pam Charbonneau and others using real field examples. Additional programs will be added next year to provide opportunities for those who missed out this year. Although the Field Day is the best time to view research projects with treatments labeled and researchers present to answer questions, a self guided tour of the GTI is available. If you were unable to attend the 1998 Field Day, you are welcome to come out to the GTI at any time and conduct your own tour of the research plots. The Field Day is co-sponsored by the Ontario Ministry of Agriculture, Food & Rural Affairs, the Ontario Turfgrass Research Foundation and the Ontario Agricultural College, University of Guelph.

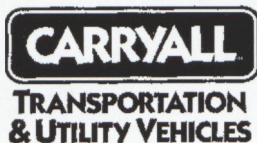


Visitors to the GTI Field Day view research investigating the effects of pesticides on aquatic ecosystems at the microcosm research facility at the GTI.



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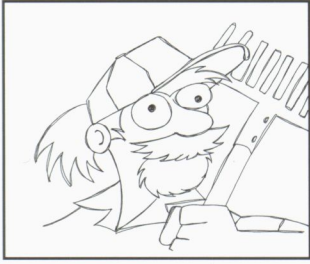
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turf or consequences



It seems like five minutes ago that I was in my favourite chair at my favourite table at my favourite University of Guelph watering hole, and suddenly I'm on the wrong side of thirty with a job, two dogs, a wife, a mortgage, and honest to goodness offspring. It was

not; however, the sight of the fruit of my loins trundling around the casa del Breen leaving a trail of drool and destruction that made me suddenly feel old ñ it was last month when I went to the C.N.É.

The rides, the Tiny Tim Donuts and the games were all the same. (literally the same in some cases. I'm pretty sure the Tilt-a-whirl was exactly the same one that was there when I was ten). The differences were more subtle, but they were certainly there. The "Doggie ñ Doggie" guy was gone. The Polar Express was playing the Spice Girls instead of Led Zeppelin, and I actually heard country music on the midway. Now you can call it "new country", "urban country", "city country" or anything you like, but I'm telling you, it's the same country that came crackling and twanging out of the AM radio in my dad's truck twenty years ago, and hearing it while on the Scrambler was harder on my stomach than the ride itself.

But it was the young people who were particularly annoying. I'm not crazy about their music, their hairstyles bug me, and what is the deal with these giant bozo the clown pants? Growing up in the age of Jordache and Road Runner jeans where people actually sat in the bathtub with their jeans on so that they could shrink to exactly the right shape, the idea of a pair of pants the size of a two bedroom apartment is a little odd to me. When I was seventeen, one guy in our school stayed in the tub too long and his mon had to cut off his Sergio Valentines (those were a brand of pants by the way) with a pair of scissors because he couldn't get out of them.

And they're piercing things that I really wouldn't want a hole punched in. One guy had eight rings in various parts of his head and three in his chest. When I was at Lord Dorchester Secondary School, one fellow in the whole school had a tiny gold stud earring and three welders from the tech wing beat the life out of him and stuffed him in a locker after gym class. I shudder to think what they'd have done to one of these pin cushions.

So after two hours of grumbling to my wife about clothes, or hair, and saying things like, "Look at that freak" or "What was he thinking piercing that?", I came to the realization that I'm turning into my father. I mean, I'm not wearing polyester plaid pants and falling asleep at the supper table yet, but I am starting to hear myself using some of his words and developing some of his habits. For instance, I remember when ten o'clock was the time that we

Turf or Consequences

By Doug Breen, Superintendent

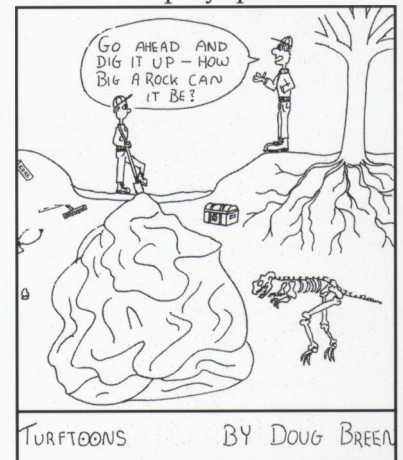
would start heading out for the night, and by three A.M. we were ordering a pizza. Now, by ten o'clock I've been asleep on the couch for two hours and three A.M. is the time that the T.V. station goes off the air, the static wakes me up, and so off to bed. A really good night out has been replaced by a really good couch. (Of course, I hardly ever get to sleep on the good couch as it's usually covered with babies, toys and sheepdogs which leaves me sleeping on the loveseat. A torture device worthy of any Vietcong prison since no one over three feet tall could possibly ever sleep on it without receiving severe spinal injury.)

It's also fairly alarming when you suddenly realize that the opposite sex no longer thinks of you as desirable, but rather as an old, fat, hairy guy. The only time anyone female and under thirty even looks at me is when I'm carrying the baby, and if one actually smiles in my direction, I know that either the boy is doing something cute or I've left my fly down and my shirt tail is hanging out again. The truth is, I'm so from "cool" or "hip" or whatever the word is that they're using now, that I don't even know what words they're using.

I've noticed a big difference at work too. No one comes to me for advice about women anymore, I'm no longer called on to lift heavy objects, and recently someone in their twenties actually said, "Hang on, let me get that for you, you might hurt yourself." Last week I dug up a boulder that the frost heaved up in a sand trap and it nearly killed me. It was three days and a chiropractic appointment later before I could stand up straight again. If I go out to cut greens with a walking mower, the staff gets the St. John's ambulance on standby and sends someone to check on me every ten minutes or so.

It's at work that I'm particularly starting to sound like my dad. More and more sentences are starting with phrases like; "why, when I was your age...." or "we used to do twice as much...." and things like that. Now don't get me wrong,, I'm a long way from the home stretch and even further from the stud farm (or let's face it, with my genetics the glue factory), but lately it has just been a little alarming to realize that I'm never going to be drafted to play professional football, and that other people are beginning to look at me the way I look at my father. I've gone from being a well rounded athlete to just being well rounded.

Oh well, look on the bright side, only ten more years until my mid-life crises and at least I'll be driving a cool car again.



pesticides in ontario

LICENSING AND OTHER REGULATORY CHANGES

by John W. Gravett

In accordance with amendments to Regulation 914 under the Pesticides Act, the Ministry of Environment (MOE) is implementing a new pesticide licensing system and introducing other requirements related to the use, handling and sale of pesticides in Ontario.

Consistent with the new national pesticide education, training and certification standard, the number of categories of pesticide licences has been reduced from 53 to 18. The new pesticide licensing system will be phased in beginning October 1, 1998 and will be in full effect by October 1, 2003. When their current licences expire, about 90% of who presently hold a valid Land Class 1 & 3 licence, will be eligible to apply for the new landscape licence. If you presently do not hold both classes of licences, you will need to complete certification and obtain new licences under the new system. It is the MOE's intention to allow a five-year grace period for those people to complete certification. MOE will be mailing out renewal notices to existing exterminators as their licences come up for renewal. The notices will indicate which equivalent licence(s) you are eligible for under the new system. You will have to apply for one or more of these licences and submit a fee of \$90.00 for each licence which will be valid for five years. Most people involved in the golf course industry (Land Class 1 and 3) will find that the new landscape licence will cover all of their needs. The landscape licence allows the use of pesticides in a land extermination on residential, recreational, commercial and public lands to:

- maintain turf and ornamental plants.
- maintain ornamental plants intended for sale.
- control pests on the outside of structures or buildings in connection with landscape management (ie. spiders, earwigs) control pests (ie. adult mosquitoes, gypsy moths, tent caterpillars, etc.) In treed areas of one hectare or less.
- maintain parking lots, driveways, pathways or easements associated with the residential, recreational, commercial or public land as long as the rights of way or other easements can be reached from the property without crossing a public road.

With the new landscape licence, you are not permitted to use pesticides in a water extermination or use pesticides in treed areas of more than one hectare. The new licence fees will remain unchanged from the old system and will still be valid for a period of 5 years.

People who plan on applying for a new pesticide

exterminator licence (ie. those who do not possess any current licence) must certify through the Ontario Pesticide Training and Certification Program (1-888-620-9999) at Ridgetown College.

The college will provide the study packages and administer examinations for new exterminators across Ontario. Licence preparation courses will still be provided by private companies and some community colleges. The MOE pesticide officers are no longer involved in the licensing process and will be dedicating their time to enforcement and follow-up.

Other regulatory changes announced include: all unlicensed assistants working without onsite direct supervision will have to successfully complete a training program to become technicians as of January 1, 2000; recycling of empty pesticide containers; standardizing insurance coverage for individuals operating extermination companies; exempting exterminators from obtaining a licence for certain low toxicity pesticides that are available to the general public. For more information, stay tuned to future issues of Green Is Beautiful!!

John W. Gravett is currently the superintendent at Credit Valley Golf & Country Club in Mississauga, Ontario. Mr. Gravett is a member of the current O.G.S.A. board of directors and is the director of TURFECS, an educational consulting service specializing in pesticide and Turfgrass training.

PESTICIDE LICENSING EXAM PREPARATION WORKSHOP

University of Guelph is offering two more of their highly successful exam preparation workshops during November and February. The course participants were so successful in writing the pesticide exams during the spring, that the word is out! "We have had many request for another offering," said program manger Peggy Nagle. "Participants in this program had an outstanding nearly 80% pass rate". The instructors, Cindy Schwan and Dr. Gerry Stephenson don't just teach to the exam. They educate the applicators so they understand the theory and are able to make good decisions.

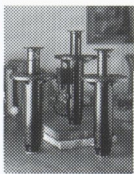
The fall course will be held four Monday evenings beginning November 16th at the Holiday Inn in Guelph. The winter course is held two Wednesdays on February 10th and 17th. Exam sittings are scheduled shortly after each course. For more information, please contact Peggy Nagle at the University of Guelph. Call 519-824-4120, Ext. 3814 or email: pnagle@open.uoguelph.ca.

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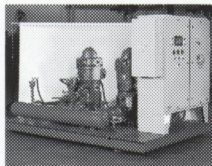
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ontario turf symposium 1999

Ontario Turfgrass Symposium 1999 - Better than Ever

What is bigger, better and more exciting than ever? Ontario Turfgrass Symposium 1999 is going to approach 2000 well prepared with its exceptional program, "Turf Technologies for the New Millennium." OMAFRA Turfgrass Specialist, Pam Charbonneau calls it "the best program yet". Topics centre on the theme "Turf Technologies for the New Millennium." The 1999 Ontario Turfgrass Symposium is held January 5 to 7, 1999 at the Regal Constellation Convention Centre in Etobicoke.

Accreditation

This year, you have the option of accreditation by three organizations. Golf Course Superintendents Association of America (GCSAA) accredits Ontario Turfgrass Symposium with one full Professional Development Unit. The symposium also earns points for your Canadian Golf Superintendents Association (CGSA) Master Superintendent certification. Several sessions earn Continuing Education Units for the Certified Crop Advisor Program.

Early Bird Registration

Advance Program brochures will be mailed out in early October. Early bird registrants save on their registration before November 21, 1999. Your non-member employees can save on registration fees when they register at the same time as their OGSA member employer.

Trade Show

More exhibitors than ever will be showing their new products and services at the 1999 Trade Show during the symposium. "We are very excited about the variety of exhibitors you will find this year at Ontario Turfgrass Symposium", said trade show manager, Peggy Nagle.

Need more information?

For more information on the 1999 Ontario Turfgrass Symposium, contact the Office of Open Learning at the University of Guelph, 160 Johnston Hall, Guelph, Ontario N1M 5H6. Phone 519-767-5000, Fax 519-767-1114, e-mail info@open.uoguelph.ca

1999 Speaker Program - Tues. Jan. 5, 1999

- 10:00 a.m. Opening Ceremonies, Rob Witherspoon, Director, GTI
- 10:30 - 11:30 Celebrating Canadian Excellence: From Argos to Reblatti, Brian Williams, CBC-TV Sportscaster
- 11:30 - 12:30 Session for Greens Chairs, Club Presidents, Club Managers, Picking the Top Canadian Golf Courses, Bob Weeks, Score Magazine

Afternoon Industry Specific Seminars 2:30 p.m. - 4:45 p.m.

Golf Course

- 2:30 - 3:00 GTI Research Update
Disease Prediction for Sclerotinia homeocarpa (Dollar Spot), Brenda Walsh,
A Comparison of Leaching of Two Different Fertilizers, Dr. Gary Parkin
Use of Composts in Turfgrass Management, Dr. Ken Carey, GTI
- 3:15 - 3:45 New Upright Bentgrass Cultivars, Rick Elyea, Tee - 2- Green
- 3:45 - 4:15 The Role of Enhancing Antioxidant Content of Turfgrasses in Response to Environmental Stress, Dr. Dick Schmidt, Virginia Polytechnic Institute
- 4:15 - 4:45 What You Should Know About How That Grass Grows, Dr. Joe DiPaola, Novartis

ontario turf symposium 1999

Wed. Jan. 6, 1999

Concurrent Seminars 9:00 a.m. - 12:00

6. The Search for the Lost Dutchman's Gold Mine, Jim Brown and Ralph Kikkert, Strive!. This experiential learning activity is a simulation of a modern-day gold mining expedition. Each team must make plans, take action and reap the results. The behaviours that are evoked generate interactions and outcomes that are remarkable like "real life". After the adventure participants are asked to stand back and evaluate what they did as individuals and as teams. The discussions afterward address the importance of teamwork, leadership and communication and rather than being told the answers, they tell themselves and each other.
7. Just What is Pre-Stress Conditioning of Turf, Dr. Joe DiPaola, Novartis. This seminar will examine cultural approaches that will pre-condition the turf to help minimize stress in the turfgrass ecosystem.
8. Turf Irrigation Workshop, Dave Zoldoske, Center for Irrigation Technology, California State University. This session will address the areas that the Center for Irrigation Technology is involved with and discuss specifics of evaluating, improving and managing irrigation efficiency on large turf areas such as golf courses and sports fields.
9. And Still More Turf Case Studies, Dr. Jack Eggens, GTI. This workshop will present life turf problems and give participants the opportunity to use their knowledge to and problem solve.

Afternoon Industry Specific Seminars 2:30 p.m. - 4:45 p.m.

Golf Course New Products - New Technologies

- 2:30 - 3:00 Humic Substances and Their Potential for Improved Turfgrass Growth, Dr. Rich Cooper, North Carolina State University
- 3:00 - 3:30 Precision Turf Management using Global Positioning Systems, Chris Vander Kant, Soil Stewardship Group
- 3:45 - 4:15 Global Positioning System for Turf: A Case Study, Greg Patterson, A & L Laboratories
- 4:15 - 4:45 New Technologies that You Can Bank On, David Oatis, USGA Green Section

Thurs. Jan. 7, 1999

Morning Concurrent Seminars 9:00 am - 12:00 am

1. Career Management, Donnamarie Dunk, Strive. This workshop will be an interactive workshop customized for golf course superintendents, lawn care operators and parks and recreation staff. Successful careers do not just happen - they must be planned out carefully with well-defined goals. Career goals must also be harmonized with personal values to lead to personal wellness associated with job satisfaction.
2. Irrigation Water Quality, David Smith and Corrie Almack. Participants will be taught how to interpret an irrigation water analysis, plant tissue analysis, soil analysis and saturated soil analysis. There will be discussion of how this analytical data relates to the overall turf maintenance program.
3. Identification and Management of Turfgrass Diseases in Ontario, Dr. Tom Hsiang, Guelph Turfgrass Institute. This workshop will cover the major turf diseases which occur in Ontario, their symptoms, conditions favouring diseases and cultural and chemical controls to keep them in check.
4. Microbiology of Turfgrass Soils, Dr. Rich Cooper, North Carolina State University. Soils are teaming with both micro and macro-organisms. Learn their distribution and function and their role in fertilization, thatch management and pesticide degradation. The effects of biostimulants, hormones, natural organic fertilizers and humic acids on turfgrass and soil ecosystems will be discussed.

Afternoon - Industry Specific Seminars 1:00 - 2:30

Golf Course

- 1:00 - 1:30 Timely Tips for Terrible Traffic Problems, David Oatis, USGA Green Section
- 1:30 - 2:00 Innovative Superintendents: "The New Green: One Year and 38,000 Rounds Later", Owen Russell, Weston Golf Course and "Augusta National" David Kuypers
- 2:00 - 2:30 Collegiate Challenge
Teams representing University of Guelph Diploma, University of Guelph Degree and Penn State Alumni go head to head in a test of their turf management knowledge.

the early years

by Gordon Witteveen
Board of Trade

A bit of history gleaned from the pages of a long lost minute book found recently in the attic of the Wylie residence in Brampton.

Long before "Mission Statements" became the order of the day of organizations in the 90-s, the Golf Greenkeepers Association of Ontario in 1924 clearly stated its purpose: For information and instruction. Educational and mutual advantage of its members, to assist other members in obtaining employment and to extend membership. This mission statement was repeated year after year when the association applied annually for renewal of its charter to the provincial secretary. At first membership was limited to head greenkeepers only and it was not until much later when commercial salespeople and suppliers were accepted as members. Membership was confined to Toronto area golf courses. The western part of the province had their own association.

Regular winter meetings were held at Walker House on Front St., but the greenkeepers wore out their welcome when the meetings became rowdy. Fist fights resulted in damage to furniture. The greenkeepers, in

spite of their reputation, moved to the Royal York Hotel across the street. The room rent for the meeting was \$ 5.00. In 1937 a bill from the Royal York in the amount of \$ 3.00 for a "lantern" was approved for payment. Had there been another fight resulting in a damaged light fixture?? More then likely the "lantern" was a forerunner of our modern slide projector and was rented to show pictures of golf courses.

An entry on March 9th records a motion that a minute book, purchased by Mr. J. Stanfield, (Scarborough GC). be paid for. Thus we know who purchased the book. In 1937 Norman MacDonald (Willowdale GC) is accepted as a new member. Norman MacDonald was my neighbour and mentor in 1960 when I came to Toronto. By that time he had become Superintendent at the old Yorkdowns GC on Bathurst St. Also in 1937 Mr. Wm. Pritchard is the greenkeeper at Thornhill GC. The August meeting is held at the Brantford GC with 17 greenkeepers present. Mr. J. Anderson resigned because of "grievances". It seems they settled their grievances because Mr. Anderson was again present at the next meeting and seconded a motion just to be congenial. On Feb 8th Horace Purdy the new greenkeeper at the Toronto GC is accepted as a member. Horace is the first

continued on page 17

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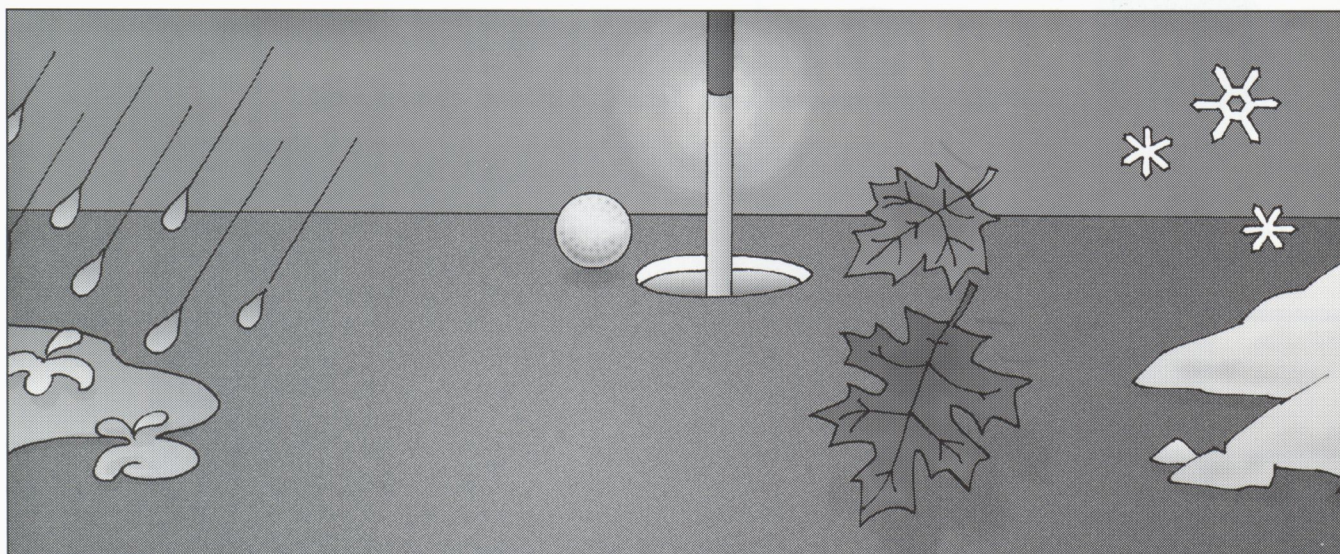
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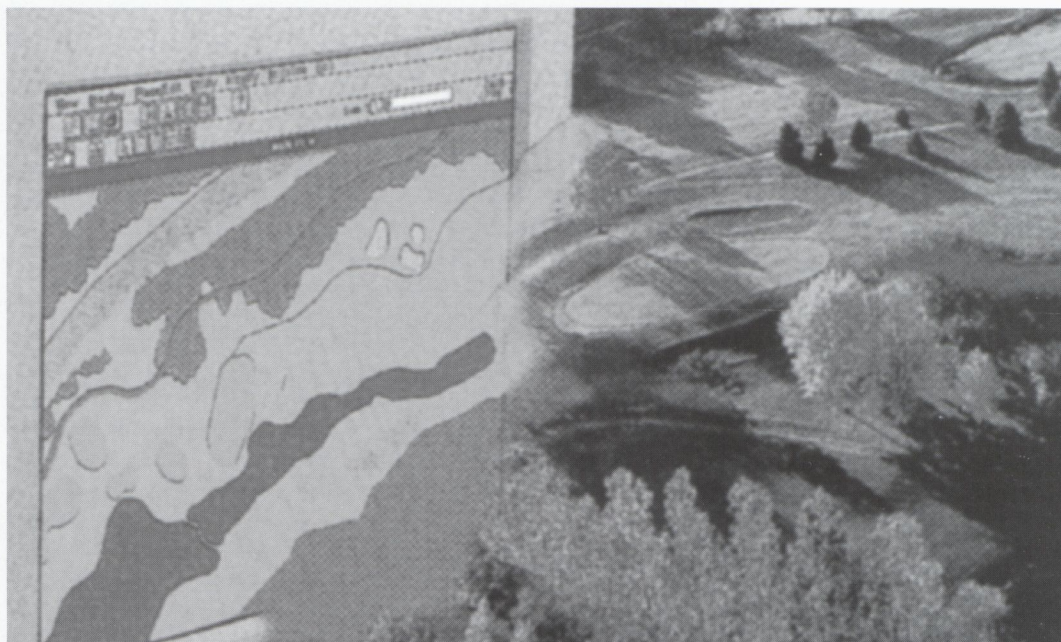
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We'll look forward to receiving your application by October 30, 1998.

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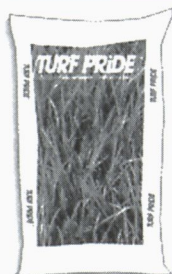
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| Isotec31 18-3-16 | 9,000 | 50 | Small | 5.0% Ammoniacal Nitrogen 4.0% Urea Water Soluble Nitrogen 3.0% Organic Water Soluble Nitrogen* 6.0% Water Insoluble Nitrogen *Contains 3.0% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Isobutylidene Diurea Methylene Ureas Urea Sulfate of Potash | Sulfur (S) Combined 8.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) Manganese (Mn) 0.5% 0.1% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | | |
| 26-0-26 | 20,000 | 25 | Fine | 5.5% Nitrate Nitrogen 20.5% Urea Water Soluble Nitrogen | Potassium Nitrate Urea | Iron (Fe) (Total) 0.10% 0.10% Chelated Iron (Fe) | | | |
| 28-7-14 | 25,000 | 25 | Fine | 2.8% Ammoniacal Nitrogen 4.2% Nitrate Nitrogen 21.0% Urea Water Soluble Nitrogen | Ammonium Phosphate Potassium Nitrate Urea | Iron (Fe) (Total) 0.10% 0.10% Chelated Iron (Fe) | | | |
| 10-5-40 | 25,000 | 25 | Fine | 1.8% Ammoniacal Nitrogen 6.0% Nitrate Nitrogen 2.2% Urea Water Soluble Nitrogen | Ammonium Phosphate Potassium Nitrate Urea | Boron (B) 0.02% Copper (Cu) 0.08% Iron (Fe) (Total) 0.19% 0.19% Chelated Iron (Fe) | Manganese (Mn) 0.18% 0.18 Water Soluble Manganese (Mn) Molybdenum (Mo) 0.0007% Zinc (Zn) 0.07% 0.7% Chelated Zinc (Zu) | | |
| 20-20-20 | 20,000 | 25 | Fine | 7.9% Ammoniacal Nitrogen 5.9% Nitrate Nitrogen 6.2% Urea Water Soluble Nitrogen | Ammonium Phosphate Potassium Nitrate Urea | Boron (B) 0.02% Copper (Cu) 0.08% Iron (Fe) (Total) 0.19% 0.19% Chelated Iron (Fe) | Manganese (Mn) 0.18% 0.18 Water Soluble Manganese (Mn) Molybdenum (Mo) 0.0007% Zinc (Zn) 0.07% 0.7% Chelated Zinc (Zu) | | |
| Country Club 16-4-8 | 8,000 | 50 | Small | 16.0% Ammoniacal Nitrogen | Ammonium Phosphate Potassium Nitrate Sulfate of Potash | Total Sulfur Combined 15.0% Iron (Fe) (Total) 2.0% 0.1% Soluble Iron (Fe) | Chlorine (Cl) not more than 2.0% | | |
| Country Club 18-4-10 | 9,000 | 50 | Small | 2.3% Ammoniacal Nitrogen 1.2% Urea Water Soluble Nitrogen 4.5% Organic Water Soluble Nitrogen* 10.0% Water Insoluble Nitrogen *Contains 4.5% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 6.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |
| Country Club 18-0-18 | 9,000 | 50 | Small | 3.2% Ammoniacal Nitrogen 1.6% Urea Water Soluble Nitrogen 4.6% Organic Water Soluble Nitrogen* 8.6% Water Insoluble Nitrogen *Contains 4.6% Slowly Available Nitrogen from Methylene Ureas | Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 6.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |
| Country Club 8-4-24 All Sulfate of Potash | 9,000 | 50 | Small or Medium | 4.3% Ammoniacal Nitrogen 0.5% Urea Water Soluble Nitrogen 1.6% Organic Water Soluble Nitrogen* 1.6% Water Insoluble Nitrogen *Contains 1.6% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 7.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |
| Country Club 10-18-18 | 12,000 | 50 | Small | 6.0% Ammoniacal Nitrogen 0.3% Urea Water Soluble Nitrogen 1.5% Organic Water Soluble Nitrogen* 2.2% Water Insoluble Nitrogen *Contains 1.5% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 6.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |
| Country Club 18-3-12 | 9,000 | 50 | Small | 3.5% Ammoniacal Nitrogen 2.1% Urea Water Soluble Nitrogen 4.8% Organic Water Soluble Nitrogen* 7.6% Water Insoluble Nitrogen *Contains 1.5% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 6.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |
| Country Club 18-3-18 | 9,000 | 50 | Medium | 5.0% Ammoniacal Nitrogen 2.1% Urea Water Soluble Nitrogen 4.9% Organic Water Soluble Nitrogen* 6.0% Water Insoluble Nitrogen *Contains 4.9% Slowly Available Nitrogen from Methylene Ureas | Ammonium Phosphate Ammonium Sulfate Methylene Ureas Urea Sulfate of Potash | Magnesium (Mg) 1.0% 0.2% Soluble Magnesium (mg) Sulfur (S) Combined 6.0% Iron (Fe) (Total) 1.0% 0.1% Soluble Iron (Fe) | Manganese (Mn) 0.5% 0.01% Soluble Manganese (Mn) Chlorine (Cl) not more than 2.0% | | |

the early days

Continued from page 12

college educated greenkeeper in Canada. He graduated with a BSA from OAC and during his student days he played on the Varsity Football team. Also in Feb. 1938 Mr. Sansom who has now retired from Toronto, some maintain that he was fired or eased out, moved that the dues be increased to \$ 5.00 a year. Sansom worked for many years after on the private estate of one of the wealthy Toronto GC members.

In January of most years the association organized an annual luncheon, later this would become an annual banquet to which the ladies were invited. OJ Noer is invited to address the 1938 luncheon at the Royal York Hotel. OJ, chief agronomist with the Milwaukee Sewerage Commission for the next 20years dominates the golf course maintenance field in North America. Millorganite was a cure all for most golf course problems but OJ's role in turf went far beyond his favourite fertilizer. He visited golf courses from coast to coast both in Canada and the United states and his expertise helped many greenkeepers hang on to their jobs when they were under the gun from dissatisfied club officials. We don't know how the meeting and banquet where OJ Noer was supposed to speak turned out. The outcome is not recorded in the minute book. The next entry is of a regular meeting at the Lakeview GC in May 1939 and was attended by only seven members. Mr. Lewis of the Islington GC was accepted as a new member. 1939 must have been a difficult year for area superintendents. It was also the year that rumblings of war were taking place in Europe. The war is not mentioned anywhere in the minutes. The annual luncheon was held that year on Tuesday, November 21st. Canada was already at war by that time but the association had their next meeting on December 12th at which they passed a motion to thank the luncheon committee. They must have had a good time in spite of a tough summer and a devastating war just ahead. The next issue of Green is Beautiful will examine how the greenkeepers fared during the 40-s.

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ONTARIO SUPERINTENDENT RECEIVES PROFESSIONAL CERTIFICATION

Scott Wheeler, superintendent at West Haven Golf & Country Club, has been designated a Certified Golf Course Superintendent (CGCS) by the Golf Course Superintendents Association of America (GCSAA). Scott has been superintendent of the London, Ontario course since 1992.

GCSAA instituted the certification program in 1971 to recognize outstanding and progressive superintendents. More than 1,600 golf course superintendents currently hold "CGCS" status.

To become certified, a candidate must have at least three years' experience as a golf course superintendent, be employed in that capacity and meet specific post secondary educational requirements and/or continuing education units (CEUs). The candidate must then pass a rigorous six-hour examination covering: knowledge of GCSAA and its certification program; rules of golf; turfgrass management; pest control, safety and compliance; and

financial and human resource management.

As part of the certification process, an on-site inspection of Wheeler's golf course operation was conducted by two certified golf course superintendents: Bob Heron, CGCS at Beacon Hall Golf Club, Aurora, Ontario, and Paul Dermott, CGCS at Oakdale Golf & Country Club, Downsview, Ontario.

Since 1926, GCSAA has been the leading professional association for the men and women who manage and maintain golf facilities in the United States and worldwide. From its headquarters in Lawrence, Kansas, the association provides education, information and representation to more than 18,000 individual members from more than 50 countries. GCSAA's mission is to serve its members, advance their profession and enrich the quality of golf and its environment.

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ONTARIO TURF RESEARCH FOUNDATION

The 1998 edition of this annual fund-raiser for turfgrass research was held on August 10th at the Bayview Country Club in Thornhill. Despite heavy rains the weekend before the event and threatening skies the day of, 124 participants enjoyed a great day. The new format, which included tiered levels of sponsorship in lieu of supplier involvement at a barbeque, proved to be an overwhelming success. The meals for the event were provided at the host club meaning a more formal style of hospitality and a more relaxing day for both the attendees and the suppliers. This has also translated into a significant increase in the net proceeds that go to support research at the Guelph Turfgrass Institute. While the final accounting is yet to be done, something in the order of \$ 40,000 was raised through sponsorships, entry fees, additional dinner attendees (36) and donations.

Special thanks must be extended to our title sponsor, Ontario Turf Equipment Co. (OTEC) for stepping up in this, the inaugural year of this aggressive new format. All the parties listed below are responsible for making the day such an overwhelming financial success while, at the same time, enhancing the enjoyment of all participants. If you are in a position to thank them by purchasing products or services in the coming year, please do so.

Excellent tee prizes, a closest to the sprinkler competition and some friendly kibitzing on the course were all part of a fun day that promises to be even better next year when we will be hosted by the DEVILS PULPIT GOLF ASSOCIATION. If you missed out this year, keep an eye open for an upcoming announcement regarding the date for the 1999 event.

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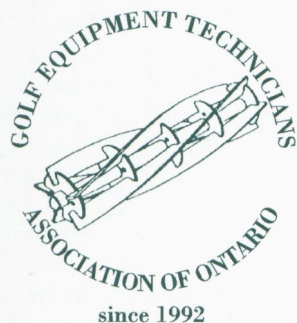
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CLUBLINK



This is the first in a series of articles written by members of the GOLF EQUIPMENT TECHNICIANS ASSOCIATION OF ONTARIO (GETAO) for GREEN IS BEAUTIFUL. These articles will be equipment related with emphasis on upkeep and repair.

GOLF COURSE PUMPS

When GC mechanics think of pumps used on the course, we think of the high pressure, high precision hydraulic pumps. Superintendents think of the life sustaining irrigation pumps. Since everyone knows that Green is Beautiful, I will water-down my topic to that of the irrigation pump. During my nearly twenty years of work in the shops of Ontario golf courses, I have found that the single major component failure of an irrigation system is the pump motor itself. Lesser parts fail more often but none have the potential for disaster than that of the dreaded pump motor burnout. Pump motors will not fail sitting unused during periods of adequate moisture. Pump motors fail during extended drought conditions when water is desperately needed. I am sure all of you reading this have experienced this at least once, I know I have on more occasions than I care to remember. Electric motors in general run for years without any problems, yet irrigation pump motors on the golf course don't get the life expectancy of those in industry. Why? Examination of these failures finds that the huge majority of motor burnout is caused primarily from unbalanced phasing at the motor itself. Some common causes of unbalanced phasing are:

1. Line fuse opens.(blows)(single phase situation occurs.)
2. Motor fuse opens (single phase situation occurs.)
3. Magnetic motor starter contacts don't "make", or make contact with high resistance causing a low voltage situation.(voltage/current imbalance or possible single phase situation). In all cases of single phase running (or phase imbalance) of the pump motor, one set of motor windings gets extremely hot to the point of failure. Once a winding burns out, the pump motor must be removed and sent away for rewinding. (This simple statement fails to recognize the huge labor undertaking involved with pump removal and expense which often requires the rental of cranes and the like.) This is the time when water is required. The weather is HOT! The chance of rain is

slim at best, and the turnaround time is from two days to a week to get back up and fully operational. What can be done to prevent this happening to you?

Discussions with several industrial electricians over the years have enlightened me that industry has phase protection on their electric motors. This device monitors the input voltage of the motor itself. It compares the line voltage of each phase and should it find lets say zero volts on one leg of the motor, (single phase situation) it would shut down the motor before it had the opportunity to overheat and burn out. This device is not something new yet phase protection in our pump- houses has not been a priority. With budget time looming in the very near future this pump house upgrade is well worth considering. It may be to late for me, but it could save you from a lot of grey hairs and more importantly from brown turf.

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GETAO President
turf equipment manager
St. George's Golf and Country Club

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