

July 2002

Green is Beautiful

The Official Publication of Ontario Golf Superintendents' Association

Spring Field Day

PGA Championship at DiamondBack

Pro/Super Challenge 2002

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COVER PICTURE

Victoria Park East Golf Club

Guelph, Ontario

photo by Dorothy Hills

*OGSA is committed to
serving its members,
advancing their profession,
and
enriching the quality
of golf
and its environment.*

President's message

"Patience the Key"

Through May and June, cool weather conditions prevailed throughout the province challenging superintendents managing their courses as well as lowering green fee revenues. Timing of cultural practices have been greatly altered with GTI reporting day degrees statistics for May 33-56% of the norm. As turf managers we look at the calendar and are tempted to apply fertilizer to get things growing, but are aware of the negative consequences of conducting such a practice under these conditions. The most important quality a superintendent can possess during these times is patience. The patience to wait it out until ground temperatures warm up and make adjustments to the maintenance schedule.



Jim Flett
Muskoka Lakes
Golf & Country
Club

IPM Accreditation in the Works

While many municipalities considering bylaws for pesticides have backed off a little taking a "wait and see" approach, the town of Cobalt (population 1205) adopted the first bylaw, in Ontario on June 11, restricting pesticides on all private property. This event may trigger others to act as well.

In the meantime, OGSA is working on developing an IPM accreditation program similar to the Landscape Ontario model to certify superintendents' work and knowledge in managing pests.

OGSA Leaves OTS

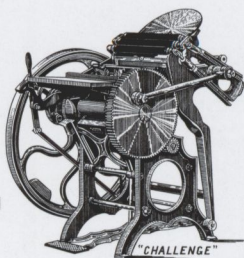
For many years, the OGSA has tried to negotiate a more equitable profit sharing agreement with the Ontario Turfgrass Symposium (OTS), with no success. As of June 13th, the OGSA officially announced to the OTS executive committee that this coming January 2003's symposium will be the last we will participate in. While this was a difficult decision for the board to make, it's a business decision that will help benefit our Association's financial future and allow for more money to be allocated for supporting turf research and other programs. Both Rob Ackermann and Sean Desilva have agreed to remain on the OTS executive committee until the conclusion of the 2003 OTS. More details on this move and future plans are outlined in the official letter sent from myself early this month to all OGSA members.

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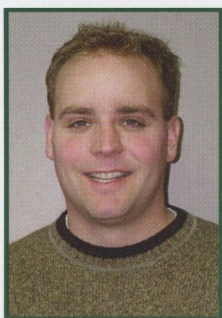
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Green is Beautiful 2002

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Editor's message



Jeff Stauffer
Credit Valley G&CC


From time to time, we're all involved in various research projects, whether it is to analyze a product, new or old, or simply assess a new maintenance practice. You carefully monitor all the conditions affecting the area to be treated

before, during and after the application. The most intense monitoring takes place while you watch the turfgrass for its response, good or bad. Some questions you ask yourself are: How long did it take? How long did it last? Was it worth it? Did it complete the desired results, or close to what you expected?

I'd like to share a 'research project' I was forced into and maybe you can use it at some point but for your sake, I hope not! About five years ago, I came in contact with a pest that should be avoided at all costs. This "pest" was definitely one of the worst things I've had to address.

I tried everything the textbooks, the reference manuals, and even the Internet, suggested, but to no avail. When nothing worked I sought professional help assuming he or she would cure what ailed me. I followed exactly what the professional prescribed but only achieved moderate relief and minimal. Time proved to be the only cure in this case. The ailment eventually cleared itself up along with the stress and evidence it had created. The only problem is, it reared its ugly head again the following year with the same vengeance. Building upon what was learned the previous year, I began to 'research' another remedy because time was not going to take care of it fast enough! Are you curious about what I'm talking about? The ailment I have suffered with for each of the past five summers is Poison Ivy! I unknowingly came in contact with it five years ago and 'the experts' say that it can appear at any time over the next seven years following initial infection. Well, I am definitely one of those people susceptible to it showing up at any time. The great thing is, according to the professionals, I should have only two years to go! I wouldn't wish its rash on anyone.

I have found, there is hope for curing the rash once it shows up. I am a living testimonial of what I am about to explain to you. It may seem very weird but it works, and works well! The best cure for poison ivy rash is a banana peel. Yes, I did say banana peel! Simply take the inside of a banana peel and rub it on the blisters and rash. You will



| PRECIPITATION IN ONTARIO REGION | | |
|--|-----------|----------|
| Measured at Pearson International Airport Provided by Ministry of the Environment | | |
| | YEAR 2002 | |
| | Average | Actual |
| January | | |
| (rain) | 18.5 mm | 14.6 mm |
| (snow) | 32.3 cm | 31.4 cm |
| (total) | 45.6 mm | 46.2 mm |
| February | | |
| (rain) | 20.8 mm | 29.6 mm |
| (snow) | 25.9 cm | 7.0 cm |
| (total) | 45.5 mm | 38.4 mm |
| March | | |
| (rain) | 35.1 mm | 44.1 mm |
| (snow) | 19.9 cm | 17.6 cm |
| (total) | 56.9 mm | 61.3 mm |
| April | | |
| (rain) | 56.0 mm | 88.8 mm |
| (snow) | 7.3 cm | 12.2 cm |
| (total) | 64.0 mm | 103.3 mm |
| May | | |
| (rain) | 65.8 mm | 80.7 mm |
| (snow) | 0.1 cm | 0.0 cm |
| (total) | 65.9 cm | 80.7 cm |

be amazed by the results. My 'research' shows that it will effectively rectify the problem in short time.

The dried banana on your skin may be a little unsightly but if you are suffering from the constant itch and irritation that accompanies the blisters, the relief far outweighs the appearance. I recommend rubbing with banana peel twice a day, morning and evening. The itch will subside, and the blisters will dry up and go away. The sooner you can recognize the symptoms and start the banana treatment, the better. As I've mentioned I tried everything and this is definitely the best remedy. So if you ever come in contact with this dreadful pest,



O.G.S.A. Welcomes our newest members

| | |
|---------------------------------------|---------|
| Mike McClelland | Class F |
| Maple Downs Golf & Country Club | |
| John McLinden | Class B |
| Ladies' Golf Club of Toronto | |
| Rick Munro | Class C |
| Diamond "in the Ruff" Golf Club | |
| Randy Pickersgill | Class A |
| Meadow Brook Golf Club (U.S.) | |
| Steve Scott | Class B |
| Lakeridge Links Golf Club | |
| Shane Sleep | Class C |
| Oshawa Golf Club | |
| Lydia Van Asseldonk | Class B |
| TillsonView Fairways | |
| Engage Agro | Class E |
| Kevin Falls (new representative) | |
| Barry Johnson (new representative) | |
| Forsythe Lubrication | Class E |
| Ron Arbour | |
| IGT Limited | Class E |
| Yves Routhier | |
| J.D. Landscape Construction | Class E |
| Ned Yorkich | |
| Peter Demrovsky | |
| Dan Jokic | |
| Turf Care Products Canada Ltd. | Class E |
| Doug Hubble (new representative) | |
| Yardscapes | Class E |
| Judy Johnson | |

please take my advice and go straight to the banana peel! One final tip, be sure to wash every article of clothing that may have come in contact with the Poison Ivy, such as hats, gloves, coats, etc. Putting on a hat that has not been washed, six months later, can allow the rash to reappear.

Best of luck for the remainder of the season and be sure to stay away from the dreaded Poison Ivy!



Dave Dick
Turfgrass Specialist

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Fax & Phone 905-846-3319

Jeff McMaster
Turfgrass Specialist

1864 Bowler Drive
Pickering, Ont. L1V 3E4
Fax & Phone 905-839-6526

Canadian Golf Superintendents Association news

by Bob Burrows
Rosedale Golf Club



I had the opportunity to attend the Score Awards at Rattlesnake Golf Club in May, to watch Mr. Dean Morrison of the Calgary Country Club, receive the Superintendent Of The Year award. Congratulations again Dean! The CGSA distributed our first-ever survey on IPM and best management practices. I would encourage each of you who have not

already completed this important data collection process to do so. The results of this survey will enable our industry to validate, the already good things, which we currently do (beyond speculation) and allow for a better defense of our profession, especially in the climate of the current pesticides debate. I am told that the Fall Field Day on September 23rd at Nicklaus North, BC, is 70% sold-out, so plan to register soon. I will again be hosting a seminar in the Toronto area in November, with details to follow.

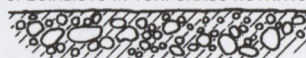
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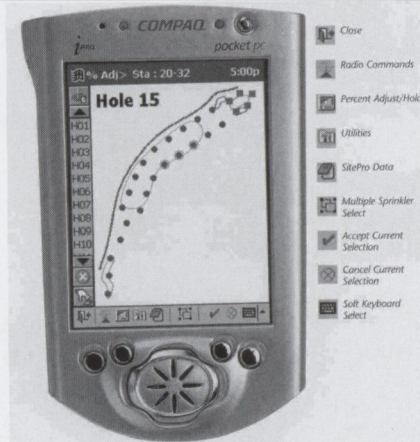
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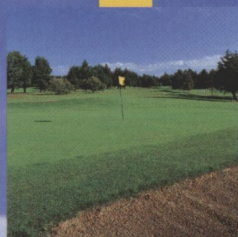
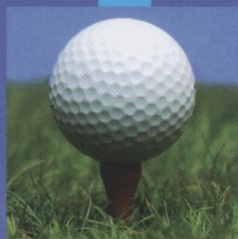
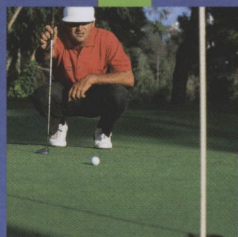
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Health & safety

FALL PREVENTION

by Doug Johnson,
SAFETAID and Health and Safety Consulting
First Aid and Safety Supplies and WHMS Training

As you wade into summer and have all these new employees hard at work you should remember that there have been some changes to the Construction Regulations. Section 26 of Regulation 213/91 has been modified and as of June 12, 2002 is now being rigorously enforced.

Regulation 213/91 defines the rules that you must follow when anyone on your site is engaged in construction, excavation or demolition.

The amended legislation now requires you to ensure that all workers who may work at heights of 3 metres or more above the ground must be wearing and using fall protection equipment or be protected from falling by guardrails or other approved barriers.

You must also train these workers to ensure that they understand how to use or wear fall protection equipment. They must also know how to construct or erect

guardrails or other barriers. The workers must understand how to erect and inspect scaffolds or elevating devices if they are to be used on your site.

The training for Fall Prevention also covers the process of inspecting the fall arrest equipment that must be used, to ensure that the equipment is in good order. You must ensure that all fall arrest equipment is properly stored to reduce the potential for damage. You may ask how does this affect you and your club? In the following ways.

If you have your workers or a contractor working on your site then it is incumbent upon you to ensure that your workers or those working for the contractor understand how to work in situations where they might fall more than 3 metres. This is also necessary if you have workers working in a situation where the worker might fall more than 1.2 metres, if the work area is used as a path for a wheelbarrow or similar equipment.

You should also note that the Regulation states that if a worker is exposed to the hazard of falling into water or other liquid the worker must be protected. The primary protective device is a guardrail system.

If it is not reasonably possible to install a guardrail system then the worker must be protected by a travel restraint system, fall restricting system, fall arrest system or a safety net that meets or exceeds the intent of the regulation.

As an example, a fall arrest system consists of a full body harness, lanyard, lifeline, anchor system, shock absorber, connecting devices and really good planning.

These rules apply to any worker working on any type of construction or excavation. Please take a moment to review your work practices to ensure that you are taking every reasonable precaution to ensure the safety of your workers.

If you have questions please call.
Have a great summer and a brilliant fall.
Work safely!

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COURSE PROFILE

WHAT COUNTY IS YOUR CLUB LOCATED IN?

Durham Region

IS YOUR CLUB PRIVATE, SEMI PRIVATE, PUBLIC, RESORT, MUNICIPAL?

Resort

NUMBER OF ROUNDS?

25,000

TYPICAL OPENING AND CLOSING DATE?

May 1 to October 31

NAME OF SUPERINTENDENT?

Scott Clayworth

HOW MANY YEARS HAVE YOU BEEN A SUPERINTENDENT?

2 years

ARE YOU CGCS OR MASTER SUPERINTENDENT?

No

HOW MANY YEARS HAVE YOU BEEN AN O.G.S.A. MEMBER?

1 year

HOW MANY YEAR ROUND STAFF?

5

HOW MANY SEASONAL STAFF?

25

HOW MANY MECHANICS AND ASSISTANTS?

1 mechanic

1 assistant

HOW MANY GARDENING STAFF?

1

COURSE STATISTICS

HOW MANY HOLES?

18 holes

WHAT IS THE YARDAGE FROM BACK TEES AND FORWARD TEES?

7012 and 5216

WHAT IS THE SIZE AND LENGTH OF DRIVING RANGE AND RANGE TEE?

Range 20 acres and tee: 30,000 square feet

HOW MANY BUNKERS?

80

HOW MANY PONDS, AND/OR HOW MANY TIMES DOES WATER COME INTO PLAY?

3

WHO WAS THE ORIGINAL ARCHITECT?

Ron Garl

WHAT WAS THE YEAR OF ORIGINAL CONSTRUCTION?

1998

WHAT IS THE SIZE OF YOUR MAINTENANCE SHOP?

6000 square feet

WHAT TYPE OF IRRIGATION SYSTEM?

Toro Osmac - 3 years old

WHAT IS THE SIZE OF THE GREENS, TEES AND FAIRWAYS?

Greens: 3.5 acres

Tees: 3.3 acres

Fairways: 26.5 acres

WHAT IS YOUR PREDOMINANT GRASS?

Tees & Fairways - Bentgrass SR 1020,

Greens - PEN A-4

HOW MANY USGA GREENS AND HOW MANY LOAM GREENS?

18 USGA greens

WHAT IS THE PREDOMINANT SOIL TYPE?

Sand

WHAT EQUIPMENT DO YOU HAVE IN INVENTORY?

3 Greensmaster 1000

3 Greensmaster 1600

Greensmaster 3000

2 Greensmaster 3100

Greensmaster 3250D

Reelmaster 3100D

2 Reelmaster 5400 D

Groundsmaster 3000d

Groundsmaster 325D

2 Groundsmaster 3500D

3 Verticut Reels

3 Greens Rollers

2 workman 3200

2 Workman 2100

5 EZGO workhorse 1200LX

5 EZGO Workhorse ST 350

3 EZGO Golf Carts

Thomas 173 HLS

Kubota Excavator

2 Kubota M5400 Tractor

Toro Sand Pro

Turfco Pro Sodcutter

Toro Greens Aerator

Aerway Aerator



Wooden Sticks Golf Course / The Intimidating 17th Green.
photo by Jeff Alexander

4 Utility Trailers

Super Tilt Trailer

Rhino Rough Mower

Lely Spreader

Toro Multi Pro 5500 Sprayer

JB&D field Sprayer

2 Push Mowers

3 Flymos

3 String Trimmers

Bergal Leaf Blower

Parker Leaf Blower

Stihl BR400 Leaf Blower

2 Scott's Fertilizer Spreaders

Scott's Drop Spreader

COURSE PROJECTS

Tree pruning and removal to improve sunlight

and airflow #1, #3, #12

Cart and path extensions

Irrigation and landscape around parking lot

Expansion of irrigation system

LONG RANGE PLANS

Expansion of maintenance facility

Specimen trees around clubhouse

Storage area for aggregates

Bunker erosion control

CHALLENGES

ARE THERE ANY PARTICULAR CHALLENGES YOU FACE WITH YOUR PROPERTY?

Cart traffic

Bunker faces, funneling of foot traffic onto green sites

SUCCESS STORIES

Satisfaction and ongoing positive reaction to the replica holes

Please accept our apologies for the following errors in our previous highlight of Legends on the Niagara Golf Club, which appeared in the May 2002 issue of Green is Beautiful. Paul Gurr is the Superintendent at Legends on the Niagara GC. Tom Newton and Andy Rambacus are the Assistant Superintendents. Bill Glashan is the Superintendent for the Niagara Parks Commission.

Cyber super

by Mark Prieur, Assistant Superintendent
Markland Wood Country Club



I really enjoy going to sites that are ad-free, speedy and full of links right around what you are searching for. It is like a shopping mall of information; you see the store and decide whether or not you want to go in and look around.

One such site is the PPIGB. The University of Bonn, Germany has created the Plant Pathology Internet Guide Book. This is basically a compendium of other educational institution's sites all rolled into one. This site is similar to the GTI or the UTLIP (last months hit). The main page can be found at <http://www.ifgb.uni-hannover.de/extern/ppigb/ppigb.htm>

The PPIGB main page contains information on Entomology, Virology, IPM, Journals books and publications, Societies and Organizations and yes, even Turfgrass. This site seems to cater to plant pathology, but none the less it is chock full of information pertaining to all turf and crop pests. The site can even get into the nuts and bolts with categories such as molecular biology. There is also a search engine but it only searches the PPIGB site (and you can do that yourself). Another interesting area is the Departments and Institutes which are searched by geography.

This site has won many awards and I can see why; a wide spectrum of information is found here without all the spam associated with a lot of other sites. This is definitely worth a visit.

Hair today gone tomorrow!

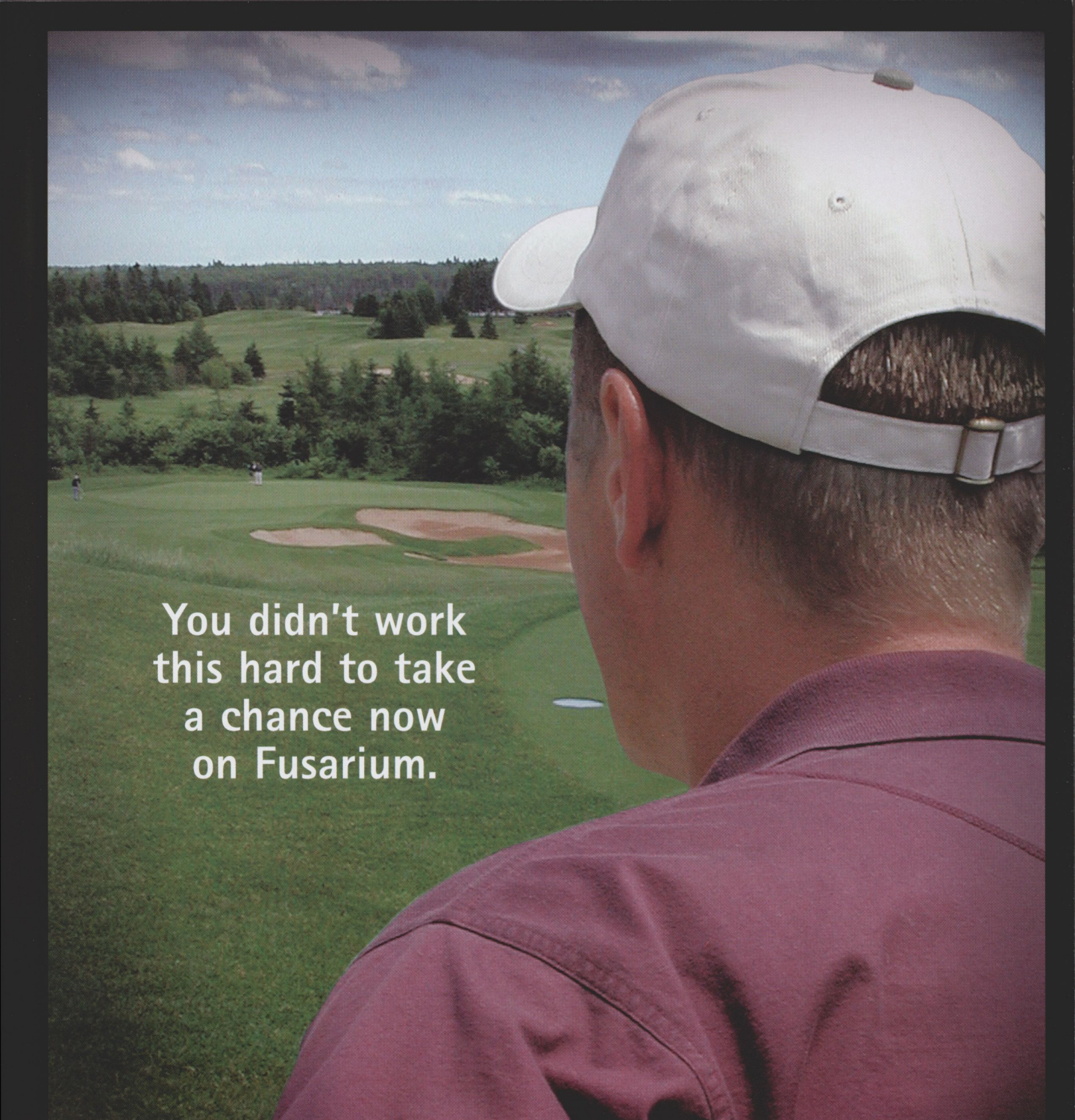
Gary Gravett, General Manager/Superintendent of Saugeen Golf Club in Saugeen Shores, Ontario set a new Provincial Record for funds raised in their annual Cancer Golf Tournament.

In co-operation with the Cops for Cancer Head Shave, Gary's total pledges reached over \$18,000.00

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Mechanics' corner

by Larry A. Murray President G.E.T.A.O
Pheasant Run Golf l.a.murray@sympatico.ca

The association honoured its ten year members with a dinner and award meeting in March. A highlight of the evening was the comments from the past presidents, Fraser Barrett and Ray Joyce, on the early years of the association and their thoughts of where we are today. Joe Rush, a ten-year member, was interviewed about his 40 years as a golf equipment manager, and surely entertained us. Everyone who attended expressed their appreciation for the association and the work that is being done.

Occasionally, I come across people who have problems with technical advances in their workshop, but when someone asks why you use loctite and how fearful they are of it, I know SOME PEOPLE never research. Firstly, have you ever had to remove a rusty bolt? In the same application, one drop of loctite would eliminate the corrosion and save the threads. That's right. Loctite seals the threads, while preventing it from vibrating off. What about the old wives tales on the horrors of removal? Exactly, old wives' tales! Loctite is available in four (4) strengths and with research the proper strength may be used successfully. Is this something new? No, loctite has been around since the early 1950's yet nearly 50 years later only 20% of the world's manufacturers are using them. My supervisor, 35 years ago, refused to purchase loctite because of the cost, and thought it was a fairy-tale. I demonstrated the practice with a drop or two of nail polish on a small screw that continually disappears. It works though loctite properly applied is the better way.

The Golf Equipment Technician Association of Ontario will be having it's 11th annual golf tournament at Pheasant Run Golf, in Sharon, Ontario. The date is set for September 5, 2002 at 11am. Craig Evans, course superintendent/general manager has been very supportive of the association and my involvement with the

Board of the Directors. Yours truly is the equipment manager and is very proud of my course. There have been numerous changes completed to the course over the years and last year it received great reviews from the Bogey Man. The course is scenic and challenging with memorable holes that you will talk about in the months that follow. The tournament last year was well attended by mechanics superintendents, managers, pros, and equipment suppliers. Some commented that it was the most enjoyable tournament they had attended that year, with an amazing prize table. Trophies are awarded to best score by a mechanic's team and a separate one for the mechanic, himself. Register today and you won't be disappointed. Call Eddie (905) 889-7620 ext. 503 and mark your calendar.

I am always interested in hearing about inventive ideas or the possibility of inventing a solution to improve the quality and efficiency of golf maintenance. Let me give you an example, PTO shafts with a constant velocity joint mounted between a tractor and implement having a covered sheath. Why hasn't someone invented a remote grease fitting? The best solution available to my knowledge is hiring an apprentice! If you have a problem, or a solution to a problem, send it me.

The association is still accepting applications from new members. If you need an application, log onto www.getao.org and print an application form and mail it with a cheque.

*Hoping to see some of the readers at the tournament,
till then I am practicing "FOUR."*

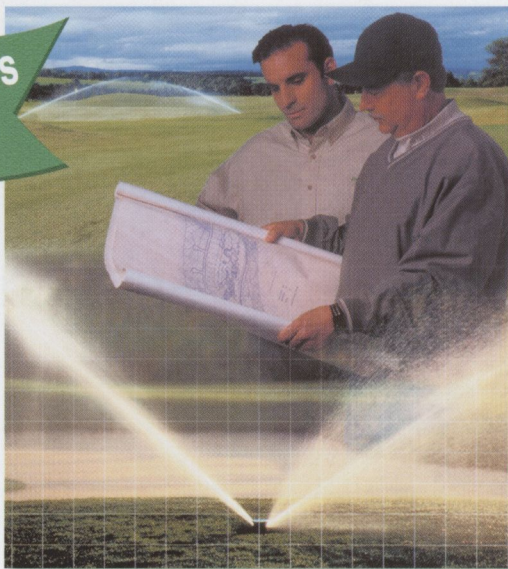
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ENGAGE AGRO CHOSEN TO EXCLUSIVELY REPRESENT SYNGENTA'S TURF PRODUCTS

Engage Agro, a Guelph-based, niche-market specialist, has been chosen by Syngenta as its exclusive Canadian marketing and distribution partner for the superior line of Syngenta turf management products.

"We've turned to Engage Agro to provide retailers and golf course superintendents with an even higher level of field support," said Gregg Allan, the Syngenta Marketing Manager for Eastern Canada. "We believe that the best way to meet our customers' needs is to allow a company that specializes in turf to represent our products and to dedicate the additional people required to deliver a high level of technical support to our customers."

Engage Agro has embarked on a major education program for distributors and golf course superintendents to provide information, after-sales service and product stewardship. Engage Agro specializes in providing crop protection technology. Staff expertise include a Turf Product Manager, a Regulatory Specialist with a doctorate in turf grass diseases and two Turf Technical Reps in Ontario, with plans for the hiring of an additional rep in Quebec. In other parts of Canada, local sales staff of Engage will assist in representing the line of Syngenta golf course products.

"We see our role as being a seamless extension of Syngenta," said Kameron Fordyce, sales and marketing manager, T&O, for Engage Agro. "Engage Agro is focusing on the golf course turf business and providing support to retailers and end-users that includes, increased one-on-one technical support, product training sessions, tools for pesticide record keeping, product development and pesticide stewardship."

R. Marie Thorne, Senior Turf Specialist for Syngenta, will continue to be the Syngenta technical specialist for the golf course business and will work closely with Engage, lead product development and work with researchers.

Syngenta is a world leading agribusiness. The company ranks first in crop protection, and third in the high-value commercial seeds market. Sales in 2001 were approximately CDN \$10 billion. Syngenta employs more than 20,000 people in over 50 countries. The company is committed to sustainable agriculture through innovative Research and Technology. Formed in November 2000 by the merger of Novartis Agribusiness and Zeneca Agrochemicals, Syngenta is listed on the Swiss stock exchange, and in London, New York and Stockholm. Further information is available at www.syngenta.com.

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O.G.S.A / G.T.I Spring field day

Article & Photos by Dorothy Hills

The O.G.S.A and the Guelph Turfgrass Institute were once again happy to host the third annual revised Spring Field Day on June 24th.

Opening addresses were given by Rob Witherspoon, Director of the G.T.I., Jim Flett, President of O.G.S.A. and Dr. Julie Dionne, Assistant Professor of Turfgrass Management. They elaborated on the growing need the industry requires for the future research in turf and also to help guide institutions like the University of Guelph to better understand the need of the industry. The message being, "We cannot grow and prosper without each other."

The rain held off for the morning to allow visitors to take in the self-guided tour of the GTI research plots, which were manned by Dr. Julie Dionne's research students. They were on hand to explain the ongoing research projects and answer any questions. Many visitors, took this opportunity to visit the laboratory, which Dr. Dionne and her team of students have recently updated and equipped, with the financial support of the O.T.R.F. and the O.G.S.A.

Thanks to our Associate members, we had table-top displays in the conference room, as well as large equipment displays on the grounds outside the building. I would like to take this opportunity to thank those members who took the time to come and

set up their display and be on hand in the morning to answer questions and give advice.



photo by Dorothy Hills

While all this was going on, a 9 hole putting competition was in full swing down on the greens. Paul Scenna enticed participants to anti up and take their best shots, to try and win the Electric Toy Gator, generously donated by John Deere Golf & Turf Canada. The winner, with a score of -1 was Garrett Wickens from Riveredge Golf in Kitchener. The proceeds from the putting competition, \$220.00 will be donated to Turf Research.

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The O.G.S.A. would like to thank all participants and visitors who attended the festivities in the morning. A great amount of time and effort was put into the day by Norm McCollum and his grounds crew, Dr. Julie Dionne and her grad students, and all the staff at the G.T.I. A special thanks to Hutcheson Sand and Mixes and Turf Care Products, who generously provided the refreshments.

Following the morning activities, visitors and guests made their way to the Victoria Park East Golf Club, where David DeCorso had the course in superb condition for an afternoon of golf. This 18 hole golf course was originally designed by Rene Mulyert in 1973, in a pastoral setting with ponds and several natural environmental areas. The rain did not deter the avid golfers and all had an enjoyable time.

The tournament was followed by cocktails and a sumptuous buffet of chicken & pasta with all the trimmings. We would like to thank the DeCorso family and their staff for their hospitality. We would also like to thank the many Associate members who donated to the prize table.



Victoria Park East Golf Club, Photographer "unknown"

The following is a list of the tournament winners:

Superintendents Low Gross :

- 1st. Thom Charters
- 2nd. Dave Swab
- 3rd. Bruce Burger

Superintendent Low Net:

- 1st. Jim Moore
- 2nd. Paul Gurr
- 3rd. Paul White

Assistants, Associates and Guests Low Gross:

- Jason Ireton
- Troy Humphries
- Trevor Hunter

Assistants, Associates and Guests Low Net

- Everett Nieuwkoop
- Brian Rosenberg
- Chris Armatage

Longest drive:

- Tom Newton, on #10

Closest to the hole :

- Jerry Richard on #6,
winner of the Electric Toy Gator
donated
by John Deere - Golf & Turf Canada

- Ian Bowen , on # 13 (cross handed)
winner of the DVD player donated by
Vanden Bussche Irrigation & Equip.
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- Mark Piccolo, on # 11



O.G.S.A / G.T.I Spring field day



O.G.S.A / G.T.I Spring field day



Off the fairway

THE DRY GARDEN IN THE GREEN

by Daisy Moore



Creating a garden which will remain attractive during the hot and dry summer months requires the combination of proper soil preparation and the selection of drought tolerant plants.

Water is required by all living things in order to survive. Nature has provided built-in protection for drought resistant plants and these adaptations help them to withstand extended periods of heat and drought. Selecting these plants for the driest portions of the garden will make gardening easier, more successful and ultimately more rewarding.

Some drought resistant plants have reduced leaf size which are tough and leathery and protected by aromatic oils or wax. Spurge (*Euphorbia* sp.), Butterfly Weed (*Asclepias tuberosa*) and Junipers (*Juniperus* sp.) are some examples of these. Once these plants pick up moisture in the spring, there is little moisture lost from the leaves through transpiration. Adequate moisture in the spring and a good start to the growing season is still vital for their survival.

Other plants have the ability to store moisture in their roots or leaves from which they can draw during dry periods. Stonecrop (*Sedum* sp.), Daylilies (*Hemerocallis* sp.), Solomon's Seal (*Polygonatum*) and Hens and Chicks (*Sempervivum* sp.) are some examples of these. An ideal ground cover in the hot summer months is an assortment of sedum in their many shapes, sizes and colours.

Grey or silver-foliage plants will commonly flourish in dry soils. The grey appearance is actually green leaves covered by fine hairs. These hairs help with drought resistance by reducing moisture loss through transpiration. The light colour will reflect the heat and keep the plant cool. Wormwood (*Artemisia*), Lamb's Ears (*Stachys*), Globe Thistle (*Echinops*), Yarrow (*Achillea*) and Lavender (*Lavandula* sp.) are some examples of these.

The adaptation to heat and drought will often give the plants their desirable ornamental and culinary qualities. For example, when grown in full sun, lavender will produce highly aromatic grey foliage. When grown in partial shade, the leaves will take on an olive green appearance and be less robust and less scented.

Meadow species are naturally drought tolerant due to deep root systems and rapid growth in hot weather. Purple Coneflower (*Echinacea*), Black-eyed Susan (*Rudbeckia*), Gayfeather (*Liatris*), Bee Balm (*Monarda* sp.) and Goldenrod (*Solidago* sp.) are all late summer perennials which thrive naturally in dry soils. In the cultivated garden, these plants will perform well under dry conditions, provided the roots are shaded by non-invasive companion plants such as ornamental grasses and each other.

Drought may be caused by a very shallow or light and free-draining soil, a very low average rainfall, or both. Adding organic matter, in order to boost both the nutritive and water holding capacity of the soil, will increase the spectrum of plants suitable for your garden. You can also assist your marginally drought tolerant plants by adding mulch around the base of each plant to protect the roots from moisture loss and temperature extremes.

If you are starting a new garden, add a thick layer of well composted manure and straw and work this into the top 6-8 inches of soil. Or, add liberal amounts of manure to each planting hole to assist the plant in getting a good start. Reduce the amount of exposed soil in the early days by mulching. This will reduce moisture loss and prevent weed invasion by crabgrass and other opportunistic weeds. Once the plants have filled in, they will become their own living mulch.

If planned and planted properly, ornamental flower gardens will survive and remain attractive without the need to water. Look to Mother Nature to see the diversity and beauty of flowering plants which thrive in the most adverse of conditions. These plants and compositions are worthy components of our own gardens.

Turf Research Fund continues to grow, thanks to the generosity of the following contributors

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LIBRARY DONATION PROGRAM

Thanks to the generosity of our members, this year we will be able to increase our contribution to the special Turf Section of the University of Guelph Library. The following members made optional donations with their membership dues to assist with the growth of this program.

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- Robert Ackerman • Ryan Beauchamp
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- Golf Tracks - Boyd Barr • Cecil Hoekstra • Chris Nelson
- North Gate Farms Ltd. - Bill Searle • Kenneth J. Patterson
- Al Schwemler • Syngenta - Marie Thorne

Gordon Witteveen has donated the following publications:

Turf Management for Golf Courses
by James B. Beard

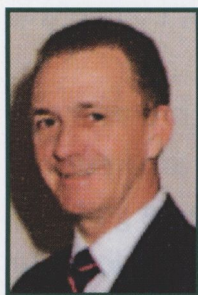
The Mathematics of Turfgrass Maintenance (3rd. ed.)
by Nick Christians & Michael L. Agnew

Good Bounces & Bad Lies
(the autobiography of Ben Wright)



The referee

by Bob Leggitt
Rules Chairman, G.A.O.



This quiz works on the relief rules from 23 to 28 and is intended to get people to read the definitions which helps to understand the rules.

1. A provisional ball becomes the ball in play when:
 - A) The original ball is declared unplayable.
 - B) The original ball is lost in a water hazard.
 - C) It is played from a point nearer the hole than the place where the original ball is likely to be.
 - D) The player declares the original ball lost.

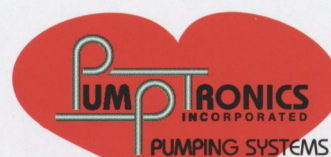
2. The player may declare their ball unplayable anywhere on the course except when it lies in:
 - A) A lateral water hazard.
 - B) On a putting green.
 - C) In a bunker.
 - D) In a tree overhanging a putting green.

3. Which of the following is not an obstruction?
 - A) A stake defining the margin of a lateral water hazard.
 - B) Manufactured ice.
 - C) A stake defining the margin of an area of ground under repair.
 - D) A stake defining out of bounds.

4. Which of the following is false regarding margins?
 - A) The margins of a water hazard extend vertically upwards and downwards.
 - B) The margins of ground under repair extend vertically upwards and downwards.
 - C) The margins of out of bounds extend upwards and downwards.
 - D) The margins of a bunker only extend downwards.

5. From which of the following is a player not entitled to relief without penalty?
 - A) Grass piled for removal.
 - B) The footprint of a bird.
 - C) The hole in which a stake defining the margin of a water hazard was previously located.
 - D) A hole dug by a greenskeeper in repairing a sprinkler head.

Answers on page 22



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P.G.A Championship comes to DiamondBack

by Blair Rennie, Superintendent
DiamondBack Golf Club



Turf Staff by PGA truck.... photo by Jerry Dawber

In 1912 C.R. Murray captured the first Canadian PGA Championship at the Mississauga Golf and Country Club. Eighty-Five years later, this second oldest professional golf championship in Canada gained a boost in exposure when it became an official stop, and the only stop in Canada, for the PGA Tours, BUY.COM circuit. Since the success of last year's event here at DiamondBack, the Canadian PGA has signed a deal with the PGA tour to keep the Samsung Canadian PGA Championship on the BUY.COM tour through 2006. A second Canadian stop for the BUY.COM tour is expected to be announced in the next year.

Past winners of this event boasts such names as Arnold Palmer, George Knudson, Steve Stricker, Ray Floyd, Lee Trevino, Dave Barr and Moe Norman, just to name a few

The planning stage for this year's event started even before last year's event had concluded. Although a very successful event last year, there are always things that can be improved upon. Normally, I have a contingency plan in place in case things don't work out as planned. What I was not prepared for this year was the poor growing conditions we had for most of the month of May.

This unusually cold wet spring put forth a real challenge for the staff at DiamondBack, to provide a Championship conditioned golf course for the beginning of June. DiamondBack has always aerified its greens in mid April, and after a mild winter and an early spring (remember 30 degree temperatures on April 17-20), we proceeded with our usual program on April 23. The day after aerification was complete, and before our top dressing program was finished, the weather turned cold and wet. It was three full weeks before we had enough good weather to complete our top dressing program. Due to unseasonably low temperatures, our Bentgrass lacked the growth it required to heal itself from the aerification or the ball marks we were receiving. During the month of May we recorded four days of snow cover, 14 days where the high temperature did not reach 10 degrees, and eleven days that the

overnight temperatures were at, or below, 1 degree. We also recorded 5 1/4 inches of rain. As DiamondBack sits high atop the Oak Ridges Moraine, we also received constant cold winds that seemed to never let up.

Both ball marks and divots were a problem. Even with the poor weather this spring, by mid May we were 1,400 rounds ahead of last spring. Time spent repairing ball marks and filling divots increased dramatically, and heavy rains washed out many divots that had been carefully filled with a sand/seed/soil mixture. To speed the divot healing process we pre-germinated the seed in a garbage pail for 48 hours. With the help of a portable compressor we kept the water aerated, and the seed in an aerobic environment. As per PGA instructions we filled divots leaving the seed mix just slightly low. This would prevent mowers and dew drag ropes from pulling material out and leaving dirt stains on the grass outside of the divot.



6th Fairway.... photo by Matt Martin

For three weeks, our greens mower cut more sand than grass. With that came dull mower blades and torn leaf blades. We were spin grinding every day trying to get a true cut compared to the constant tearing we continued to see. We knew that we needed growth to heal the aerification and growth over the sand. But with the soil temperatures at 5 or 6 degrees we were not getting any help from Mother Nature. As difficult as it was to do, we held off with a granular fertilizer knowing that would cause a flush of growth when the temperatures returned. It was imperative we didn't get that in order to achieve our desired greens speeds come tournament time. Relying heavily on tissue testing and foliar applications, we managed our turf wisely, and carefully planned our applications at rates to get growth to fill in aerification holes, but also at levels that would be used by the plant and not stay in the plant for more than a week. The timing of the application was also carefully planned so the plant would be its leanest on the final day of the tournament.

With only two weeks to go before the 1st round we finally received a warm rain, followed by warm sunny days. However, green speeds and the roll of the golf ball were still not where we needed them. Greens were still bumpy, so we decided to gamble with a top dressing application this close to tournament time using dried, bagged sand. We went heavy at a rate of 40lbs per 1000ft². We used a vibratory roller to get the sand down into the canopy of the turf. We also began mowing late in the morning after the dew had lifted so we could reduce the amount of sand the mowers would bring up. With one week to go we dropped our heights again and began mowing and rolling in the morning, and again in the late afternoon. We were recording daily improvements in both green speeds, and true ball roll. Mother Nature was giving us the weather we needed, and on the first round we were able to give the Pros the 11-foot greens speed we promised. With the course drying out and firming up, we actually had to slow some greens up for the last day of play by way of light syringe. Our biggest compliment came when this year's winner of the P.D. Ross trophy, Aaron Oberholser was giving an interview on his win. Aaron stated that DiamondBack played as close to the courses on the main PGA tour, as any course he has played. He also remarked how important that was for all Pros on the BUY.COM tour to get that experience regularly if they are to make the jump to the main tour successfully.

Without the full support of our suppliers we would never have had a chance at putting on such a successful event. Thank you so much from Turf Care, Duke, Skyway, Multitynes, Vanden Bussche and Floratine. Thank you also to the Superintendents, and their employees who helped us during this event from Glen Abbey, Station Creek, King Valley, Emerald Hills, Cherry Downs and King's Riding golf clubs.

Finally, I don't think I can thank the 21 employees in the turf department here at DiamondBack enough for their dedicated work. The long hours required by all the staff were faithfully endured and in the end we provided a product that was praised by the pros that play courses all over North America. Thank you for all your hard work.



10th Hole.... photo by Matt Martin

Turf or consequences

by Doug Breen, Superintendent
Conestoga Golf Course

I was raised on a farm, a dairy farm to be precise, and to a large degree, it was growing up in that environment which led me to the golf industry. I hated milking cows so much that I would have done almost anything to get out of it. Anything short of, say, doing dishes or any other kind of housework. I ended up doing a lot of yardwork around the house just to avoid the bovine purgatory that was my lot. You see, the lawn was far enough away from the barn to keep me from wanting to end it all by sucking my own brains out with a milking machine; but also, far enough away from vacuuming so that my brothers wouldn't start mocking me and calling me Doris.

When I was a teenager working on the family farm, baling hay all summer for about eight cents a week while my friends were at the beach arguing the virtues of the roller coasters at one amusement park over another, I honestly thought I was in hell. A very literal agrarian hell. Complete with horns, pitchforks and cloven hooves. In retrospect, of course, it was a long way from coal mining, but it was just nasty enough to make me not want to be thirty years old and living in my parent's basement like so

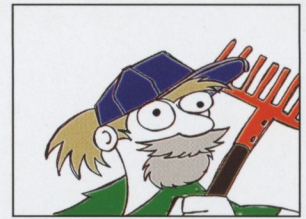
many others of my generation. Now that I think about it, the old man might have been on to something. Maybe I need to get a baler and a small herd to ensure the egress of my offspring.

Believe it or not, there are endless similarities between the tow industries. The thing I hated most of all about the cows was the need to look after them every day no matter what was going on, or what you'd rather be doing. (Sounds like dealing with greens, doesn't it?) Just as soon as I'd built up enough courage to make a pass at the host's daughter at a Sunday afternoon barbeque, we'd have to go home and milk. As I write this, it's Sunday afternoon at four o'clock (universal leave-the-barbeque time) and where am I? At the golf course because it's hot and I was worried about dehydration. My wife and kids are lounging around the neighbour's pool eating Schneider's Juicy Jumbos and I'm watching for early signs of pythium.

Farms and golf courses both struggle with the same technology, equipment problems, anti-pesticide zealots, weather and the nightmare that is staff. They are both lifestyle jobs, where schedule hours are really minimum guidelines and you do

them because you can't imagine not doing them. I went to the University of Guelph to try to escape from a lifestyle that I thought I didn't want and just like I'm turning into my father in a million other ways, I ended up with his job. Sure, the crop is different, but the struggles, the schedule, the work ethic and the interaction with an impatient and often uninformed clientele are pretty much parallel. I'm not complaining though; I love this life, as did my dad, and his dad, and his dad, and his dad... I think you get the idea.

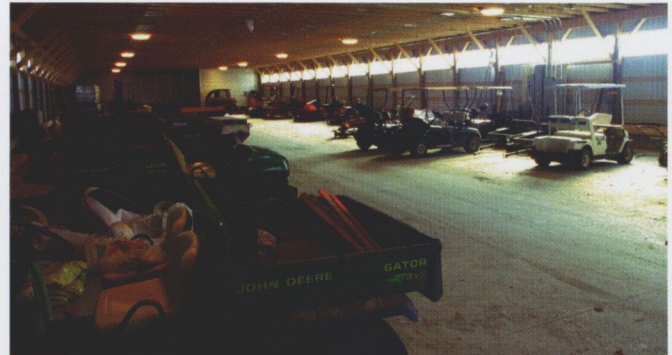
Anyone who's ever done either job knows, and take it from someone who has done both, that there's not a more beautiful, peaceful sight in the world than looking out over the open spaces when the sun comes up on the dew and there's nobody around but you. Of course, that's when the cow kicks off her milker, or the tee mower rolls into the river, or the greens mower blows a hydraulic line, or the hired man calls in with the Molson flu, or the irrigation blows up or something along those lines. It's enough to make you listen to country music.



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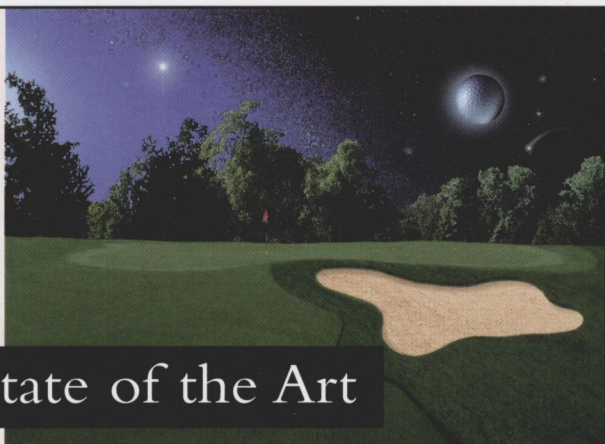
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1. C Rule 27-2b.
2. A Rule 28 Definitions
3. D Rule 24 Definitions
4. B Rule 25 Definitions
5. B Dec. 25/19.5

The Sports Turf Association Annual Field Day

From exhilaration to innovation, irrigation to renovation, the Sports Turf Association has it all! Plan on attending the 15th Annual Field Day on Thursday, September 12, at the River Oaks Recreation Centre in Oakville, Ontario.

Keynote speaker Becky Kellar, a member of the Women's Olympic Hockey Team, will recount her journey to Salt Lake City and ultimately the gold medal game which saw Team Canada victorious over the US with a 3-2 win.

Joining Becky on the morning speaker roster are Gregory Snaith of Rain Bird International and Dr. Julie Dionne of the University of Guelph. Learn about what's new in irrigation, available technology, and how it can be used to simplify the challenges of irrigation scheduling throughout a changing season. Turf covers, long relied upon on golf courses to protect turf, also have applications on sports fields. Reduction of winter damages, enhancement of turf establishment and other potential uses of covers will be discussed.

The featured speaker for the afternoon is the Ace of Diamonds, Mel Lanford, a former professional groundskeeper at the collegiate and minor league level who worked with the New York Yankees organization. A 30-year veteran of the groundskeeping industry, Mel travels across the United States year-round demonstrating proper infield and sports turf maintenance materials, equipment and techniques to athletic field managers.

In addition to the educational program, Field Day Participants are invited to meet with Industry Suppliers to view their displays and demonstrations.

The Sports Turf Association is a professional association committed to the promotion of safe, natural sports turf. For registration and further information contact the STA office at 519.763.9431, email sta@gti.uoguelph.ca



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1st ANNUAL ASSISTANTS GOLF TOURNAMENT

Date: Tuesday, September 24th, 2002

Location: Whirlpool Golf Club

Time: 1:00 pm Shotgun

Cost: O.G.S.A. Members
\$65.00/Person
Non Members
\$70.00/Person

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- * Power Cart
- * Prime Rib Buffet
- * Cash Bar...Dessert & Coffee
- * Prizes

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- * All "2nd Assistants" / "Foremen" / Industry Reps are Welcome!
- * Soft Spikes Only and Casual Golf Attire Please

Deadline: Registration Forms will be distributed to all O.G.S.A. members early August

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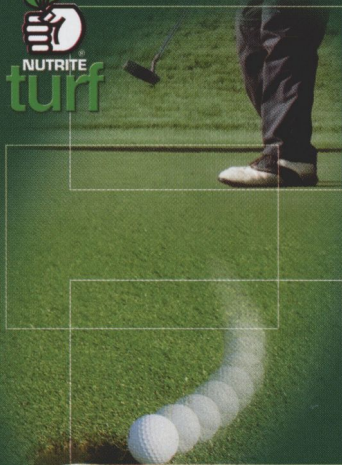
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In Memorium

MERYL E. (CURLY) ENDICOTT

Curly will be fondly remembered by older superintendents throughout Ontario. He was a W.W.II Veteran and former owner of Richbrook Golf Club, in Utopia, near Barrie, and Evergreen Golf Centre, in Washago, and a life member of the Ontario Golf Superintendents' Association.

Meryl passed away peacefully at Orillia Soldiers' Memorial Hospital on Wednesday, June 19th in his 79th year. Beloved husband of Olive (Oakley). Olive was a strong supporter of his work and attended many golf meetings with him. Predeceased by son, Paul. Loving father of Gregg and Sharon, Barry and Beverley. Barry Endicott is following in his father's footsteps; he is the superintendent at Nobleton Lakes Golf Club. Devoted grandfather of Jane and Christine. Brother of Rolene and predeceased by Clinton, Vaila and Vedra. Brother-in-law of Thelma and Jack. Dear uncle of many cherished nieces and nephews. The funeral service was held at Mundell Funeral Home, in Orillia, on June 21st. A reception followed at the Endicott home in Washago. Cremation and then interment at Emily Cemetery, Omemee at a later date. Memorial donations may be made to the Heart and Stroke in memory of Meryl.

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Pro Super Challenge

by Jeff Alexander
Parry Sound Golf Club



Pro Super Champs....Randy Booker and John Kirkwood with O.G.S.A. Director, Jeff Alexander

The Pro / Super Challenge Event was played at the Ron Garl designed Wooden Sticks, in Uxbridge Ontario. This golf club is a tribute to some of today's famous golf holes throughout the world, and is also home of the Golf Association of Ontario.

The first scheduled day was on Thursday May 16th, but unfortunately could not be played due to heavy rains. We were lucky to be able to reschedule for Monday May 27th, which turned out to be one of the best golfing days in May.

The day started with a continental breakfast and some practice swings at the range facility. Then it was off to the tee for an 8:00 am shotgun start. The format for the day was a two person best ball, with the Superintendents using 2/3 of their handicap.

I think we all had a great day playing Wooden Sticks, thinking about individual golf holes, the history of them and just visualizing on how they are on the PGA Tour. I was disappointed that my name was not on the leader board located on #4 hole. This hole was inspired by the 13th hole at Augusta.

We recognized the top three placed teams at this year's event. There was a three way tie for the top spot, all scoring a wonderful round of 64. To break the tie, the three teams met on the 18th green for an exciting putt off. The putt was between 80 to 100 feet, with the last 20 feet breaking hard to the right. There were some great putts, but no player found the cup.

We also had a longest drive and closest to the pin competition. Closest to the pin prize, for the Professionals, went to Herb Holzscheiter from Weston Golf Club. Herb put it close on the #3 hole at Wooden Sticks, inspired by the 12th at Augusta. Closest to the pin prize, for the Supers, went to Phil Brown, from the Summit Golf Club. Phil had a difficult pin location to get to on the #17 at Wooden Sticks, inspired by #17 at Sawgrass. Longest drive holes where the #10 and #18 at Wooden Sticks, inspired by the #10 and #18

The winner of the putt off and the new 2002 Pro / Super Challenge Champions were:

| <u>Placing</u> | <u>Golf Club</u> | <u>Professional</u> | <u>Superintendent</u> |
|----------------|-------------------------|---------------------|-----------------------|
| 1st | Dundas Valley Golf Club | John Kirkwood | Randy Booker |
| 2nd | Saugeen Golf Club | Joey Rettinger | Gary Gravett |
| 3rd | Fox Glen Golf Club | Kevin Corriveau | Kelly Barnet |

Kevin Corriveau and Kelly Barnet were the defending champions from 2001.



Greg Seemann, Host Golf Professional, Jeff Alexander, OGSA Director and Scott Clayworth, Host Superintendent.

from St. Andrews. Believe me, you could not miss the fairway here! The winners were Mark Sharpe (Pro) from Pheasant Run Golf Club and Chris Dew (Super) from the National Golf Club.

Congratulations to all the winners!!

This great day finished up with some refreshments and a barbeque buffet in the pavilion area!

I would like to thank all the Professionals and Golf Course Superintendents that attended this event. I would like to thank Greg Seemann, Host Professional and Scott Clayworth, Host Golf Course Superintendent and all of their staff members for a very memorable golf experience at Wooden Sticks.

A special thank you to Dorothy Hills for all the extra work she had to endure because of the rescheduling of this event.



Wooden Sticks Golf Course
photo by Jeff Alexander

Looking back

TWENTY-FIVE YEARS AGO TO-DAY

by Barry Endicott,
Nobleton Lakes Golf Club

The directors of the OGSA in 1977 were as follows: Alan Beene (pres.), Pelino Scenna (vice), Stewart Mills (sec.), Paul Dodson (treas.), Paul Dermott (past pres.), Bill Bowen, Ran Allan, Paul White, Ken Nelson, Hugh Kirkpatrick and Bill Hynd (editor).

The 7th Annual OGSA Symposium was held at the Rosedale Golf and Country Club hosted by John Grightmire. One hundred and twelve (112) Superintendents, assistants and guests attended. Al Beene was the chairman and Keith Nesbit and Jack Eggens conducted the speakers for the day. The speakers were Bob Kennedy, Bernie MacDonald, Paul White, Doug Hoskins, Paul Dermott, Dennis Pellre and Helmut Kopp. Dan Ardley made comments on Regionalization because of the geographic problem of Ontario being such a big province.

The Annual Turf Managers Short Course was held at the University of Guelph with 31 students attending. Top students in the class were Merv Mill from the City of Burlington, Doug Meyer, Superintendent at Val des Lacs in St. Sophie, Larry Peacock, Assistant Superintendent at Parkview, Bill Hale, Superintendent at Puslinch, Henry House, Streetsville, Howie Schnarr, Chelmsford, Ian True, Alliston, David Wray, Tam O'Shanter, Gib Dow, Ironwood Golf Club and Ed Hendricks from Kitchener.

The CGSA held their 28th Turfgrass Show at the Calgary Inn from March 14th to the 17th. The president of the CGSA was Larry Brown. The 48th GCSAA Turf Conference and Show was held at Portland Oregon, on February 6th to 11th. Jim Wyllie was not elected as a director but he will try again next year. Gord Witteveen was retiring from the Board after 4 years of service.

The Canadian Open was held from July 21 - 24 at Glen Abbey. Dennis Pellre was the Superintendent. Glen Abbey is now the permanent home of the Canadian Open. Dennis was previously the superintendent at Erie Downs Golf and Country Club for 3 years and prior to that assistant to John Piccolo at St. Catherines.

The 9th Annual Field Day - University of Guelph Turf Plots was held at the Galt Country Club on June the 9th hosted by Pelino Scenna. Participation numbered 91 and the low Superintendents were George Garner 76, Bill Bowen 76, Bob Heron 77 and Bill Glashan 81.

The President, Green Chairman, Superintendent Tournament was held at the Islington Golf Club on July 8th hosted by Thom Charters. 40 teams competed and the winning teams were as follows: Bayview Golf and Country Club, Ed Ortleib; Aurora Highlands, Whitey Jones; Glen Eagle Golf Club, Bill Calhoun; Glen Abbey, Dennis Pellre; and Dalewood Golf Club, Hugh Kirkpatrick. The Superintendents/Pro Golf Day was held at The York Downs Golf Club hosted by Kimmo Salonen. The winners of the event were Markland Wood, Bob Heron and Ken Duggan, Conestoga G.C., Bruce Vollet and Ron Silver and Glen Shields, Barry Endicott and Fergus Gallagher. Low Superintendent was Bill Bowen 77.

There was a meeting held at the Oshawa Golf Club on February 16th with 45 Superintendents and guests attending. Rusty Warkman was host and after the meeting curling followed. On March 30th, there was a meeting held at North Halton Golf Club hosted by Allan Beene. After lunch, 32 curlers competed for the

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OGSA Curling Championship and the team of Dennis Pellre, Ron Craig, Doug Heron and Jack Austin were the winners. There was a Western/OGSA joint meeting held at the Dundas Valley Golf Club hosted by Al Schantz on April 28th, and a meeting was held at Sunningdale hosted by Ken Nelson on May 12th. Low gross went to Bill Bowen 76, low net Joe Reed 69. In September a meeting was held at Chinguacousy with Henry Guertin as host. This was a Best Ball tournament with Blake McMaster, Brampton, and Scotty Orr, Kleinburg winning in a Playoff with a net of 65. Bob Heron, Markland Woods and Gord Putney, Bayview was 3rd with a 66. On August 25th there was a monthly meeting held at the Wyldewood Golf Club, hosted by John Smith. Dr. Fustney and Norm McCullum were in attendance from the University of Guelph. First low gross was Bill Bowen with a 74, 2nd was Hugh Kirkpatrick 78 and Steve Miller with an 80. An OGSA Turf Equipment Demonstration was held at the Cambridge Research Station on September 8th. On December 2nd, the Christmas party was held at St. Georges Country Club, hosted by Bill Hynd.

Gord Witteveen scored a hole in one during his vacation in Florida. John Stoughton, from the Barrie Country Club, was recovering from a minor operation. Bill Hynd won a trip to Eluethera in the Bahamas for being the closest to the hole at La Chute Quebec at the CGSA Annual Fall Field Day. He later had to give up the prize because it was over the \$250.00 allowable for amateurs set by the RCGA. Mr. Elwood McCarther passed away suddenly on June 9th after a brief illness, at the age of 64. Elwood was Golf Superintendent at the Scarborough Golf Club from 1956 to 1977 and before that at the Glendale Golf Club. Paul Dermott moved from Islington to Oakdale Golf Club, and Helmut Kopp moved to St. Charles Golf Club in Winnipeg. There was a position advertised for a Superintendent at the Essex Golf and Country Club, which was filled by Bill Fach.



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