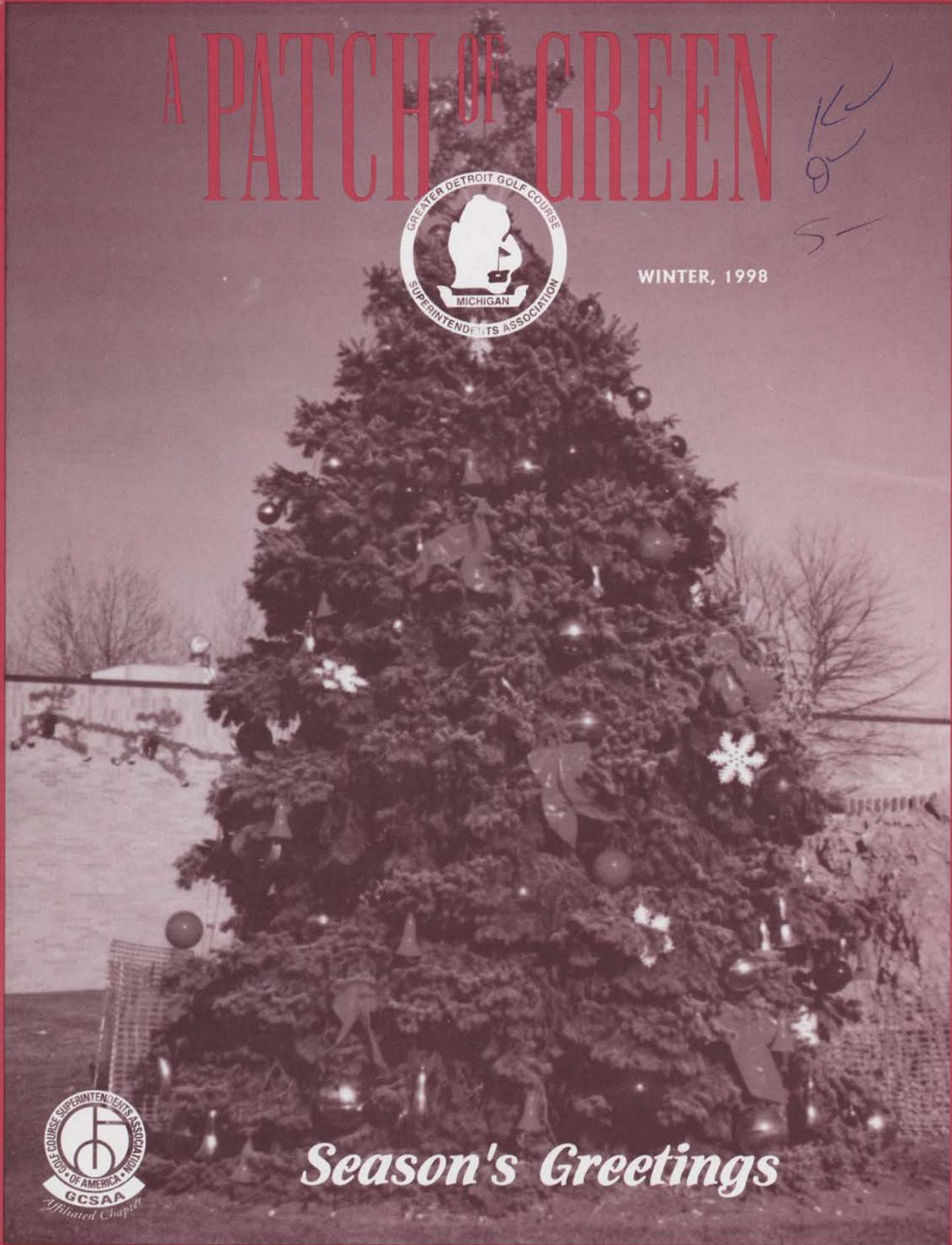


A PATCH OF GREEN

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WINTER, 1998

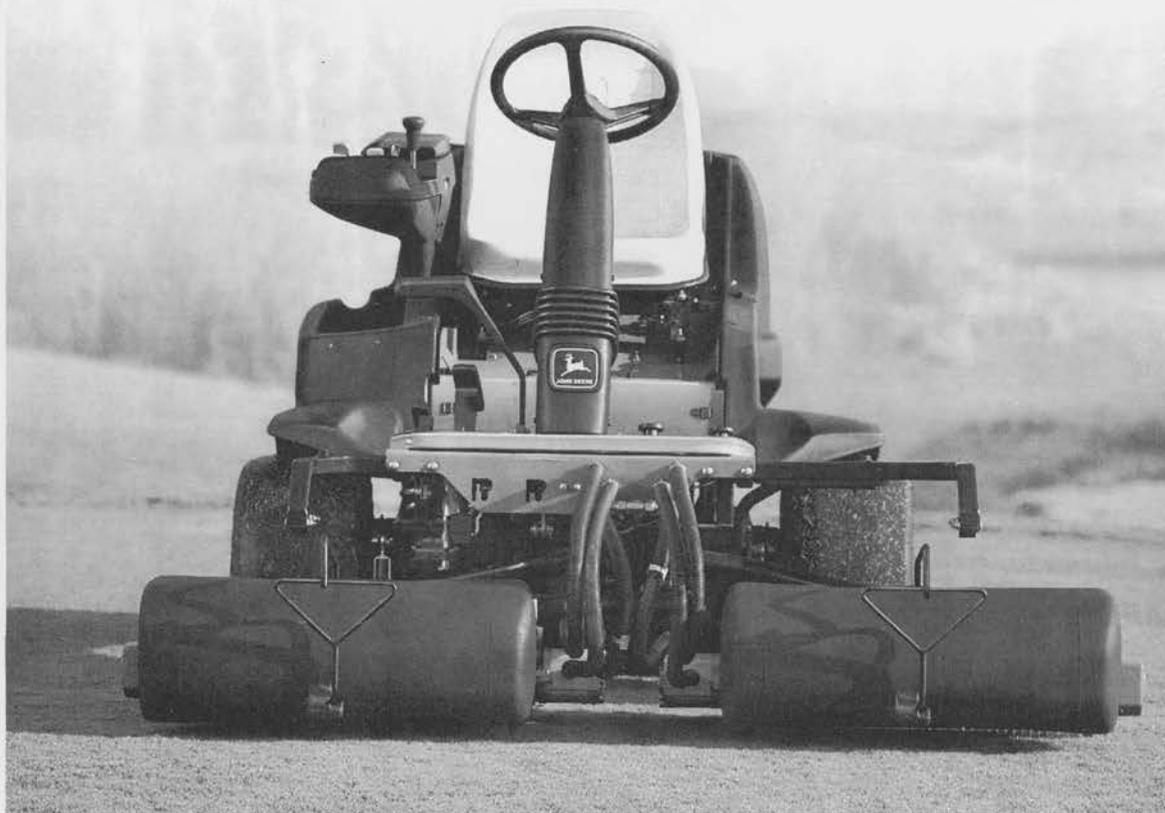


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A Patch of Green - 4 - Winter Issue, 1998

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on par ^{with} _{the} president



As the holiday season ends and the new year begins here are some wishes for 1999:

- Team Michigan repeats as hockey champion
- Enough snow to replenish the soil and irrigation ponds
- Chapter golf team winning a plate at National Conference
- Minimal snow mold damage
- Soft spikes and ball mark repair tools to all golfers in their Christmas stockings
- Paul and Mary Dushane: The best of luck on their marriage
- Attendance up 20% at all meetings with all staying for dinner
- Have 75 voting members at the annual meeting
- Kevin Dushane keeps in touch from his new job at Wuskowhan Players Club
- New members coming to meetings, feeling welcome and getting involved
- Members writing articles for *A Patch of Green*
- More members signing up for the Michigan Stewardship Program
- Learn more about the history of the association and put it in print for our 75th Anniversary in 2000
- Continual support from our vendors

Can you add to this list? What are your wishes for 1999? Set some attainable goals and through time management skills, your professional and personal life will improve and the excuse "not enough time" will be deleted from your vocabulary.

See you at the show and enjoy the rest of winter.

Sincerely,

A handwritten signature in black ink that reads "Paul T. Kolbe". The signature is written in a cursive style with a large, looping initial 'P'.

Paul T. Kolbe

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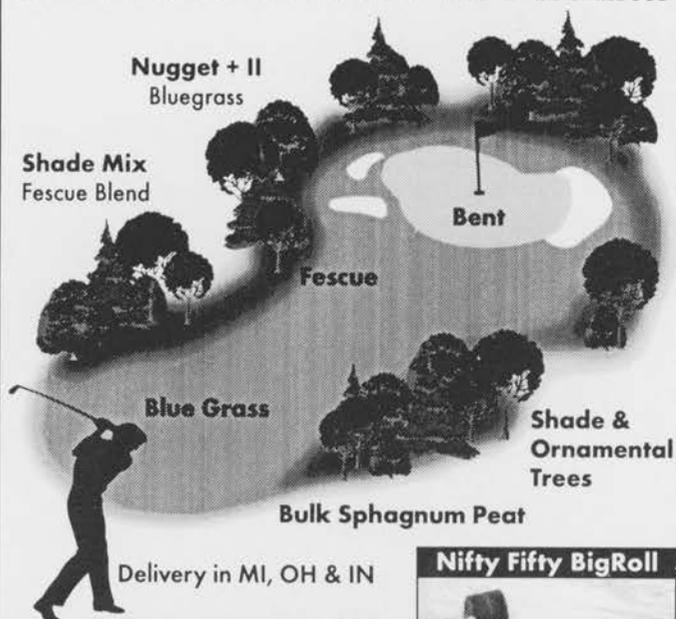
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Tribute To A Friend

by Jim Keller

The golf course barn, nestled among 100-year-old beech and sycamores that predominate the river bottom, was built alongside the river and on its flood plain. Around the turn of the century - the 20th century - along with the rest of the golf course, it was built among the many small farms in what was then a rural area but is now becoming a densely populated suburb of Detroit. Its construction is solid; thick block walls and oak joists supporting the hip roof. Over the last few years attempts have been made to refer to it as a maintenance "center", or maintenance "building", but it never really was able to shake its perception and with polite apologies to the GCSAA, it is still quite literally a barn.

Not more than 10 feet from the river, it has endured incursions of the swollen river into its interior. In early September of my very first year working on a golf course, a prolonged storm sent the river over its restrictive banks and to record flood levels that inundated the golf course and filled the barn with nearly five feet of water. I can only picture what the inside of the darkened barn must have looked like: turf trucksters and greens mowers almost completely engulfed in the dark, motionless water. Only steering wheels, seat backs, hoods, and the tops of the tractors showed above the water line. Later, when the water receded, the slow, laborious cleanup began.

Both the barn and the course were a mess. Debris from miles upstream was deposited on the golf course. Tree branches and dry-rotted driftwood caught and collected among the trunks of tree groupings. At the high-water level dead stream-bank vegetation wrapped around the trees to show the direction of the river current - five feet up the trunks in some of the valleys and hollows. Trash of all kinds - empty bottles, cans, cups, sticks, twigs, branches, and any litter that would float - in one continuous line of debris left behind on the turf to show the height of the flood level. Some of the greens had as much as a foot of sand covering their surface. A couple inches of greasy silt covered the floor of the barn. Every piece of equipment had to have all its fluids drained and changed. Water sat in all of the valleys on the course and a temporary routing of holes for the golfers had to be seen to. Small lakes and ponds remained in the low areas of the course, and while surrounded by the sour smell of rotting turf, pumps had to be set up and tended with fuel and oil. The high water had made it into the pump house and completely submerged the irrigation pumps and a portion of the controls.

To me, as a rookie employee, the cleanup wasn't only overwhelming, it was incomprehensible. For Gerry Kleino, the golf course superintendent, it was simply time to go to work.

The river is not of the large or powerful variety. The Missouri, Columbia, Ohio, it is not. But its drainage patterns and course have impacted the thousands who live and work near it. It has determined many a community's geography and infrastructure. Its significance as a watershed to Lake St. Clair is enormous. It also defines a golf course. Much of the course is river valley, the remainder wooded upland. Just as the flood waters were cresting, from an upstairs clubhouse window, you could survey the altered and foreign landscape. A glimpse of a post-glacial era, the river seeking and reclaiming all of its former boundaries.

I didn't know it at the time, but working at the golf course provided me with more than just the groundwork for what later would become my career. For a somewhat sheltered and naive young man of 20, the work at the golf course and Gerry in particular forced me to look at my immediate world in ways I wasn't accustomed. Many superintendents know at an early age that they want to pursue the profession and take steps toward their goal. My experience never fit that description. Like Gerry, I started working at the golf course, doing as I was told, going to college, being outdoors and enjoying the work, even taking some night classes in order to be able to stay at the golf course in the autumn. But all the while thinking that one day I would leave behind golf course work to begin a "real" job. Upon graduation from college, I did just that. But I ended up leaving that "real" job after less than six months. I realized my mistake.

Gerry's story is a little bit different. Although he too started as a laborer and attended college while returning to the golf course in the summers, he was around long enough, and thought very highly of by the ownership so that when it was time for the superintendent he worked for to retire, he was offered the position.

To say that Gerry had a quiet personality would be greatly understating the matter. Difficult to read, most would say that he was hard to get to know. His calm, deliberate and thoughtful approach to life was in stark contrast to a high-paced, stress-filled world. To spend time with Gerry was to experience a drop in one's own blood pressure. No problem seemed so urgent that it couldn't be thought through and analyzed before being acted upon.

Outside the barn, the river flows by for the most part silent, unhurried, changing its momentum, its depth, its course, only as dictated by varying obstacles and conditions. From the golf course, walk out onto one of the many bridges that span it. The grain and circular knots of the oak planking is raised in ridges, worn smooth from years of metal golf spikes. Stop near the center and look down into the current. In late-winter, it's swollen and swift with snow melt. Its strength and force

undeniable. Not soundless. Swirling and mysterious, vortexing eddies flow by directly in front of you, beneath you, behind you, and disappear. The river moves on, unrelenting and tenacious. Its strength ever-increasing, its volume expanding. Unstoppable to the lake.

The ownership of the golf course recognized and appreciated Gerry's far-above average intelligence. They knew him to be loyal, solid, and dependable. When it was time to begin searching for a new superintendent, their search started and finished at the barn. When he was offered the position, Gerry had one semester's worth of work left to complete a Bachelor of Science degree in electrical engineering. But he already knew that an engineering career was not what he wanted. He accepted the superintendent's job and never looked back.

The golf course today is a testament to his ability to focus his detail-oriented mind to the many tasks at hand, and the rare ability to see things through - all the way. He took the problems presented to him, ordered them in terms of importance and priority, studied each individually, applied applicable mathematical formulas, ascertained budget allowances, double-checked solutions, and systematically went about tackling all of the projects in need of attention. In the quiet, unassuming, and methodical way that was very unique to himself, he put the golf course on a steady and stable path toward improvement. He completely overhauled the antiquated irrigation system - carrying out much of the planning and work in-house - replacing the original, single-row quick-coupling system with a modern double-row scheme. He engineered, relocated, and rebuilt a pump house. Gerry worked with civil engineers and city officials to properly route a highway bypass, designed and constructed through a portion of the golf course property. He rebuilt 70-year old bunkers, transplanted hundreds of trees onto the property, planned and executed extensive clubhouse renovations. And he maintained a golf course. I asked him many years later if he ever regretted not having finished his degree. It was after I had experienced my six-month, suit-and-tie stint, and was working at another golf course as an assistant superintendent. I remember that his words were incisive. And much out of character, he answered without hesitation: "Never. Not even for a second." He then paused so that I might absorb his words. Bold. Eyes fiery.

The news of his death washed over me like the flooded river of some 20 years ago. A sudden and unexpected passing, paralyzed by my own memories, struggling against the understanding. Not wanting to believe what I was being told. Trying desperately to come up with answers. Coming up with nothing. Coming up for air. Drowning.

A month after hearing, I broke away early from my own job - a golf course superintendent now myself - and drove out to the golf course by the river. Mid-November and a windless calm, sun-filled and warm, blue sky day. Walking the golf course with my clubs over my shoulder, I took my time playing and revisited a time, recalled a place, remembered a man who changed my life:

...mowing green banks on a Turf Pro-84 and watching Gerry approach on his golf cart, shading his eyes with the bill of his black golf hat - embroidered with the club's logo - as he drives toward me into the sharp morning sun, leaning with his right arm over the top of the steering wheel and left leg swinging back and forth off the side of the cart. Stopping, he hands me a styrofoam cup of coffee as I turn the key to silence the motor. The coffee steams when I remove the plastic lid, take a careful sip, trying to appreciate the taste of coffee not sweetened with too many sugar packets and smoothed with creamers. Thanking him, I think of his thoughtfulness in stopping by with the hot drink. We stand silently, facing the river and watching the misty haze drift with the current along the surface of the water. Drinking the coffee in small tastes, and standing - not uncomfortably - without the need for small talk. A few minutes pass in this manner before Gerry smiles, nods, replaces the lid on his cup, gets into his cart and drives away. Not having said a word to me.

... the spot where he taught me for the very first time how to mow a green with a triplex. One of the old Jake models with the bicycle handlebars and grips, small wheels, the vibrating sheet metal of the body that made a tinny racket when the throttle was increased, and the single hydraulic lever toward the center of the console that, when pushed forward, snaps my head back, hands fly from the handles, and feet lifted off the floorboard. Gerry laughing - having set me up.

...visiting him in the dead of winter. Driving slowly down the long driveway that follows the river, back to the barn, the snow pushed to the sides. Parted alongside of the barn out of the wind, the red Massey Ferguson outfitted with a back-blade and tire chains over the turf tires. Opening the door to the heated part of the barn, Gerry stands next to another tractor on jack stands, split in two to change a clutch. Near the work bench, I look out the window and see a fat squirrel sitting on the home-made feeder, hulls of cracked corn in the snow at the base of the oak. Thin wafers of ice cling to the river bank, an inch above the waterline. Strange not to be able to identify the landscape as a golf course, just a wooded field like any other in the drifted snow. After having been away for a few summers working at another golf course, wondering aloud, sheepishly, if he thinks he might be able to use some help come spring. Gerry knew the question was on its way before it was asked. Knew how hard it was for me. And allows himself no smile.

...early in the morning, the sun not yet up, the tops of the eastern trees brightening, pulling up to where the gang mowers were parked for the evening. Slowly backing the tractor into position to drop the hitch pin. Walk around the mowers. Toro Spartan fairway nine-gang. Check for air in 18 pneumatic tires, grasp and try to move all of the rollers for evident bearing slop. Push reels forward, from behind, with soles of my boot. Check to see if they're too tight or too loose. Settle into the seat and the long cut to break-time. Looking back over my shoulder and the heavy dew roostertailing with wet clippings. Easy to see where you've cut, Wet, uncomfortable feet until my boots dry with the heat of the tractor.

The 17th hole, a par 5 flanked in hardwoods, parallels the river on your left. It sweeps up and out of the river valley and onto a bluff. It then draws left toward the river and, still slightly uphill, until you are standing 150 yards out, looking across the river and back down onto the flood plain where the green sits. I approach the river and walk out onto the bridge,

pausing, halfway across, one final time. Looking down, dry leaves neat by in the meandering current, and I see the bottom and side of the bridge mirrored in the dark, caramel-colored water, and just for an instant I catch a glimpse of myself, leaning carefully over the side to look down.

Gerry was a man who, with no siblings, and the death of both of his parents at an early age, learned about life earlier than most. He was a man who kept to himself. Liked it that way. Although I never saw him happier then when he first spoke to me of his fiancé, he was still a solitary man. And had a solitary man's dreams - his desire to hike the Appalachian Trail was not, to my knowledge, fulfilled. The golf course that he worked at all of his adult life was *not* his life - it was his job. And although he loved his job, his life was about something altogether different. His *life* could be found reflected in his character. It could be found reflected in his integrity, and his quiet sense of decency. I hope that part of his life is reflected in me.

He was one of three superintendents whose opinion of my own work I valued highly. One of only three whose personal regard held high. One of three I admired. One I was proud to have as a friend. One of a kind.

The golf course is still there. The barn still sits on the flood plain. The river still glides through the property. And the river will inevitably rise. There is no stopping it. It one day will baptize the golf course again. And when it does, when it creeps up and over the banks and slowly engulfs and takes over its former possession, when everyone watches nervously from upstairs in the clubhouse, when it ceases being a river and becomes a lake, again, then just as certainly it will subside. Recede. Depositing it's legacy. Washing away dreams.

Michigan Room

This year's Michigan Room will be the place to meet at the GCSAA Conference in Orlando. The room and format will be similar to what was done at last year's conference in Anaheim. Each night, a superintendent from one of the Michigan Associations will be recognized by their chapter for service or achievement. The room will be supported through the generous contributions of Vendor Members and individuals. Financial support in any amount will be greatly appreciated. Donations will be accepted at the door or in advance. If you would like to contribute in advance, please send your donation to:

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Michigan Turfgrass Environmental Stewardship Program Announcement

Gregory T. Lyman

Turfgrass Environmental Education Specialist
Michigan State University

Please join us in the Michigan Turfgrass Environmental Stewardship Program! Everyone enters the program by attending a workshop where you will receive the materials and information on how the program can work for you. The next two Michigan Turfgrass Environmental Stewardship Program workshops are scheduled for Friday, January 22, 1999, which directly follows the Michigan Turfgrass Conference and March 18, 1999. The January workshop will be held at the Holiday Inn South in Lansing and the March workshop will be held at the Treetops Sylvan Resort in Gaylord. These are daylong seminars starting promptly at 8:30 a.m. and concluding around 3:00 p.m.

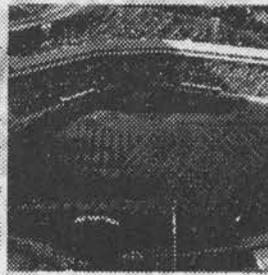
This program is gaining momentum throughout the state and getting attention at the national level. We welcome your participation and input to make this program grow and develop. A registration form is located in your turf conference packet. To receive additional registration forms or information, please contact:

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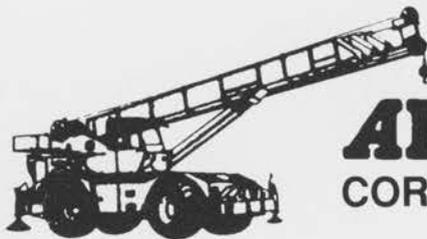
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Developments in Irrigation Control Technology

by David B. Beck, P.E.

With the 1998 golf season now history, its time to start looking at 1999 and beyond. Many superintendents are evaluating their current irrigation technology and accessing the need to upgrade all or portions of their irrigation system. The basic technology in piping systems and sprinkler equipment has remained virtually unchanged for 25 years. Certainly this equipment has improved with newer materials and reliability and cost improves have occurred over time, but overall, a valve in head golf rotor and 2" PVC pipe is essentially unchanged over the past 25 years when compared to irrigation control systems over the same period.

Irrigation control systems 25 years ago were electro-mechanical, essentially chicken house timers which simply activated irrigation or turned it off. Timers were maintenance intensive, sensitive to the elements, inaccurate, and had relatively short lives. Central controllers were a rarity. Over these last 25 years, golf course irrigation control has raced forward and drawn on the resources of personal computers to advance management. These computer central control systems have become very sophisticated and have required extensive training to fully utilize their resources. In most cases, central controllers of the past 5 to 10 years have been so complex that superintendents have been unable to dedicate the learning time required to maximize their operation. As a result, computer operation has been set up to be little more effective than their predecessors, the electro-mechanical clocks.

Over the very recent past, computer control programs are utilizing the power of windows based operation and faster computer computation speeds to present user friendly operations. Complex control and manipulation of data is being handled by the computer itself and an easy graphical interface is provided to the superintendent. Complex sprinkler system operations can be performed with a few clicks of a mouse. These operations are presented to the superintendent in graphical format similar to other windows applications and in terminology common to the superintendent. As a result, with little training or irrigation background, superintendents can effectively manage their water resources.

The most dramatic trend in computer control technology is the use of actual golf course layouts within the computer control program. An actual map of the golf course is generated and input into the computer central irrigation program. An as-built map or plan of the irrigation system is laid on top of the golf course map. Elements of the as-built plan are tied into the control system's software database. The resulting map allows the superintendent to actually see the golf course and irrigation system on the computer as management decisions are made. Irrigation commands and programs can be constructed using the map symbols. If irrigation sprinklers have operated, are operating, or have failed to operate, the map shows symbols and colors to help the superintendent interpret these conditions. All technical decisions for limiting pipe flow rates, pump capacities, irrigation times, etc. are all automatically calculated.

Obviously this technology is not cheap and requires extensive setup and preparation. However, the resulting program allows the superintendent to make better and more complicated water management decisions without extensive manipulation of the control software or irrigation hardware. As you visit the trade show this year in Orlando, visit the irrigation manufacturers' booths and sit through a demonstration of the new control technology. Although this level of control is not for every one of today's golf courses, computer control technology filters quickly throughout the industry and it is likely that over your career you will be required to use similar control programs. By understanding today's cutting edge, you will be better prepared for your future work requirements and able to make educated decisions for irrigation upgrades at your golf course.



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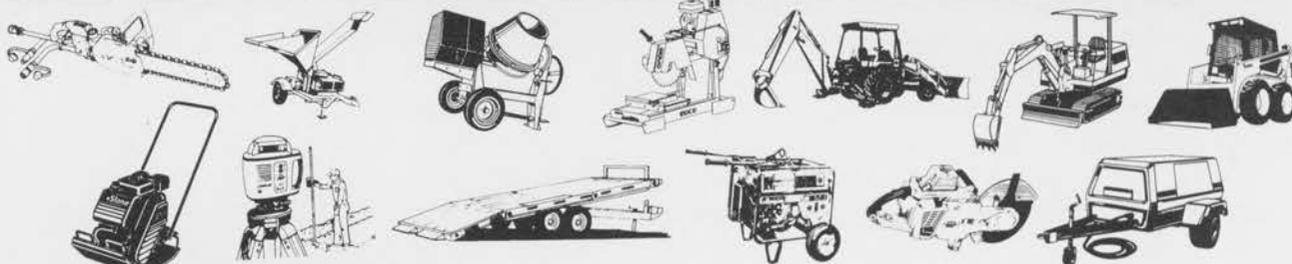
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21250 W. 8 Mile Rd., Southfield, MI 48075
(248) 357-5400 Fax: (248) 357-0404
Statewide Rep: Stephen J. Zelle, V.P. (Steve)

THE ANDERSONS

480 W. Dussel Dr., Maumee, OH 43537
(800) 225-2639 Fax: (419) 891-2745
Statewide Rep: Dave Irmen

-B-

BENHAM TURF PARTNERS

24800 N. Industrial Dr., Farmington Hls., MI 48335
(248) 474-7474 Fax: (248) 474-3228
Statewide Rep: Dan Banks
GD Regional Rep: Dan Shemon (248) 640-4439
MM Regional Rep: Marty Dominick (248) 640-4440
NM Regional Rep: John Kirtland (248) 640-4441
WM Regional Rep: Russ Snow (616) 206-2239

-C-

C.J. COLEIN & ASSOCIATES, INC.

127 W. University, Rochester, MI 48307
(248) 656-6805 Fax: (248) 656-3721
Statewide Rep: Carol Colein

CENTURY RAIN AID

31691 Dequindre Rd., Madison Hts., MI 48071
(800) 347-4272 Fax: (248) 588-3528
Statewide Rep: Brian Birdwell (248) 533-2990

CHIEF CART INC. / E-Z-GO

149 N. Perry, Pontiac, MI 48342
(888) 906-7676 Fax: (248) 338-0429
Statewide Rep: Michael J. Fagan
GD Regional Rep: Rob Robinson (888) 906-7676

CLUB CAR, INC.

11878 Brookfield, Livonia, MI 48150
(734) 425-7001 Fax: (734) 425-7004
Statewide Rep: Cy Davis, Branch Manager
GD Regional Rep: Kurt Kraly (800) 482-8830
MM Regional Rep: Kathy Hanson (800) 482-8830
NM Regional Rep: Kathy Hanson (800) 482-8830
WM Regional Rep: U.S. Golf Cars (800) 321-9616

COMMERCIAL/ENVIRONMENTAL TURF SERVICES

149 N. Perry, Pontiac, MI 48342
(248) 858-7700 Fax: (248) 338-0429
Statewide Rep: John Kirtland (800) 231-5296
Mobile: (248) 640-4441

COMMERCIAL LAWNMOWER INC.

34955 Plymouth Rd., Livonia, MI 48150
(734) 525-0980 Fax: (734) 525-3010
Statewide Rep: John Murphy (800) 738-1388

CONSTRUCTION SUPPLY, INC.

1500 Alloy Parkway, Highland, MI 48357
(800) 621-7007 Fax: (248) 887-0855
Statewide Rep: Donn Ellis
GD Regional Rep: Todd Walters (800) 621-7007
MM Regional Rep: Jeff Skinner (800) 621-7007
NM Regional Rep: Tim Wolf (616) 534-3137
WM Regional Rep: Tim Wolf (616) 534-3137

COUGAR SALES & RENTAL

46845 12 Mile, P.O. Box 508, Novi, MI 48376
(248) 348-8864 Fax: (248) 348-4494
Statewide Reps: Mike Milarch and Al Whitfield

-D-

D&C DISTRIBUTORS, INC.

29593 Costello Drive, New Hudson, MI 48165
(800) 888-7779 Fax: (248) 446-1654

THE DAVEY TREE EXPERT COMPANY

3381 Lapeer Rd., Auburn Hills, MI 48326
(248) 371-9007 Fax: (248) 371-9076
GD Regional Rep: Dan Prospal

DESIGN 3

919 E. Grand River, Suite 2, East Lansing, MI 48823
(517) 336-5959 Fax: (517) 333-3600
Statewide Rep: W. Bruce Matthews III

-E-**EMERALD ISLE, LTD.**

2153 Newport Rd., Ann Arbor, MI 48103
 (734) 662-2727 Fax: (734) 747-6617
 Statewide Rep: Doug Middleton

-F-**FENDT BUILDERS' SUPPLY, INC.**

22005 Gill Rd., Farmington Hls., MI 48335
 (248) 474-3211 Fax: (248) 474-8110
 Statewide Rep: Kurt Weber (734) 663-4277

-G-**GOLF COURSE REPAIR PARTS**

454 N. Cass Ave., Pontiac, MI 48342
 (248) 332-4304 Fax: (248) 332-4307
 Statewide Reps: Jeff Kovich & Terry Traynor

GREAT GREENS OF AMERICA, INC.

682 S. Renaud, Grosse Pte. Woods, MI 48236
 (800) 942-5650
 Statewide Rep: Don Myers
 GD Regional Rep: Bob Waldeck

GREEN & GROW, INC.

P.O. Box 426, Sterling Hgts., MI 48311-0426
 (810) 323-9870 Fax: (810) 323-9875
 Statewide Rep: Mike Plague
 GD/MM Reg. Rep: Mike Plague (810) 323-9870
 E-Mail: greenNgrow@aol.com
 GD/MM Reg. Rep: Marty Miller (248) 851-5264
 Pager: (248) 414-0658 E-Mail: ccgreens@aol.com
 WM Regional Rep: Jim Johnson (616) 458-1546
 Pager: (616) 270-3484 E-Mail: jj1042@aol.com

GREEN GROWTH SUPPLY COMPANY, INC.

1225 76th St, SW, Byron Center, MI 49315
 (616) 878-9922 Fax: (616) 878-9882
 (800) 315-5777
 Statewide Rep: Paul Witte

-H-**HUGGETT SOD FARM, INC.**

4114 E. Marlette Rd., Marlette, MI 48453
 (517) 635-7482 Fax: (517) 635-7484
 Statewide Rep: Mark Huggett

-I-**INDUSTRIAL VEHICLE SALES**

361 S. Saginaw, Pontiac, MI 48341
 (248) 338-1590 Fax: (248) 338-4604
 Statewide Rep: Bill Jordan
 GD Regional Rep: Don Dupuis

-J-**J. MOLLEMA & SON INC.**

4660 E. Paris Ave. SE, Grand Rapids, MI 49512-5317
 (800) 224-5328 Fax: (734) 254-9110
 Statewide Rep: Tim Boals, Director of Sales, ext. 215
 GD Regional Rep: Tim Barno (800) 224-5328, ext. 119
 MM Regional Rep: Kurt Brace (800) 224-5328, ext. 208
 NM Regional Rep: Jim Meszaros (800) 224-5328, ext. 115
 WM Regional Rep: Steve Adamczyk (800) 224-5328, ext. 232

-L-**L.A. LINKS, INC.**

3150 Blossom Dr., W. Bloomfield, MI 48324
 (248) 366-9447 Fax: (248) 366-9476
 Statewide Rep: Lorrie Viola

LEBANON SEA BOARD CORPORATION

4217 Highland Rd., Suite 208, Waterford, MI 48328
 (248) 673-7146 Fax: (248) 673-7148
 Statewide Rep: Randall Rogers, Agronomist

-M-**MARC DUTTON IRRIGATION**

4720 Hatchery, Waterford, MI 48329
 (248) 674-4470 Fax: (248) 674-3091
 GD Regional Rep: Ed McDonough

MUNN TRACTOR SALES, INC.

3700 Lapeer, Auburn Hills, MI 48326
 (248) 373-5000 Fax: (248) 373-4445
 Statewide Rep: John Munn

-O-**OSBURN INDUSTRIES**

5850 Pardee, Taylor, MI 48180
 (313) 292-4140 Fax: (313) 292-4143
 Statewide Rep: Tim Osburn
 GD Regional Rep: Larry Kroll (248) 568-0903
 Jim McGuire (810) 254-9021

-R-**RHINO SEED & LANDSCAPE SUPPLY**

850 N. Old US 23, Brighton, MI 48114
 (800) 482-3130 Fax: (810) 632-5840
 Statewide Rep: Kathleen Hilbert (800) 482-3130
 GD Regional Rep: Kathleen Hilbert (800) 482-3130
 MM Regional Rep: Erik Frazier (517) 881-8678
 NM Regional Rep: Erik Frazier (517) 881-8678
 WM Regional Rep: Erik Frazier (517) 881-8678

RHONE-POULENC AG CO.

P.O. Box 74398, Romulus, MI 48174-0398
 (313) 782-0323 Fax: (313) 782-6344
 Statewide Rep: Bob Dugan

-S-

S&F CONSTRUCTION

19200 29 Mile Rd., Ray, MI 48096
(810) 752-4889 Fax: (810) 752-6719
(810) 752-2401
Statewide Rep: Fred Diener

THE SCOTTS COMPANY

14111 Scottslawn, Marysville, OH 43041
(937) 644-0011 Fax: (937) 644-7205
Statewide Rep: John Skaife (248) 698-2358
GD Regional Rep: John Skaife (248) 698-2358
MM Regional Rep: Mac Darnell (734) 878-2981
NM Regional Rep: Ed Carmody (616) 946-6594
WM Regional Rep: Fred Anderson (616) 361-2106

SITE SPECIFIC INC.

3650 Brighton Rd., Howell, MI 48843
(517) 545-9025 Fax: (517) 545-8001
Statewide Rep: Julie Stachecki

SPARTAN DISTRIBUTORS

1050 Opdyke, Auburn Hills, MI 48326
(248) 373-8800 Fax: (248) 373-8899
Statewide Rep: John Read (800) 822-2216

-T-

TERRY MALBURG LANDSCAPING, INC.

72660 Romeo Plank Rd, Armada, MI 48005
(810) 752-3489 Fax: (810) 752-1026
Statewide Rep: Terry Malburg Mobile: (810) 560-3388

TRI-TURF

3751 Blair Town Hall Rd., Traverse City, MI 49684
(616) 943-8343 Fax: (616) 943-9092
Statewide Rep: Tom Reed Sr.
NM Regional Rep: Eric Denoyer (616) 943-8343

TRI-TURF SOILS, INC.

3751 Blair Town Hall Rd., Traverse City, MI 49684
(616) 943-7806 Fax: (616) 943-9092
GD Regional Rep: Jim Surge (616) 755-7361
MM Regional Rep: Bob "Borgie" Borgman (616) 260-1153
NM Regional Rep: Tom Reed Sr (616) 943-7806
WM Regional Rep: Bob "Borgie" Borgman (616) 260-1153

TURF CHEMICALS, INC.

P.O. Box 451, Owosso, MI 48867
(517) 725-7145 Fax: (517) 723-7410
Statewide Rep: Russ Hancock
GD Regional Rep: Jay Siddock (800) 733-7145
MM Regional Rep: Wes Riddle (800) 733-7145
NM Regional Rep: Fred Miller (800) 733-7145
WM Regional Rep: Mike Horvath (800) 733-7145

TURF SERVICES, INC.

17205 148th St., Spring Lake, MI 49456
(616) 842-4975 Fax: (616) 842-0302
Statewide Rep: Matt Heiss

TURFGRASS, INC.

Box 667, South Lyon, MI 48178
(248) 437-1427 Fax: (248) 437-5610
Statewide Rep: Todd Griebe

-U-

UNITED HORTICULTURAL SUPPLY

15511 Knob Hill Dr., Linden, MI 48451
(810) 735-1320 Fax: (810) 735-1320
Statewide Rep: Dave Polen
GD Regional Rep: Dave Polen (800) 412-0091
MM Regional Rep: Steve Fent (517) 274-8188
NM Regional Rep: Steve Fent (517) 274-8188
WM Regional Rep: (888) 392-2691

-V-

VALLEY TURF, INC.

11711 E. Grand River, Brighton, MI 48116
(810) 220-2040 Fax: (810) 220-2750
Statewide Rep: Ron Brink
GD Regional Rep: Ron Murdock (810) 220-2040
MM Regional Rep: Steve Ledbetter (616) 532-2885
NM Regional Rep: Steve Ledbetter (616) 532-2885
WM Regional Rep: Dick Buurman (616) 532-2885

-W-

W. F. MILLER COMPANY

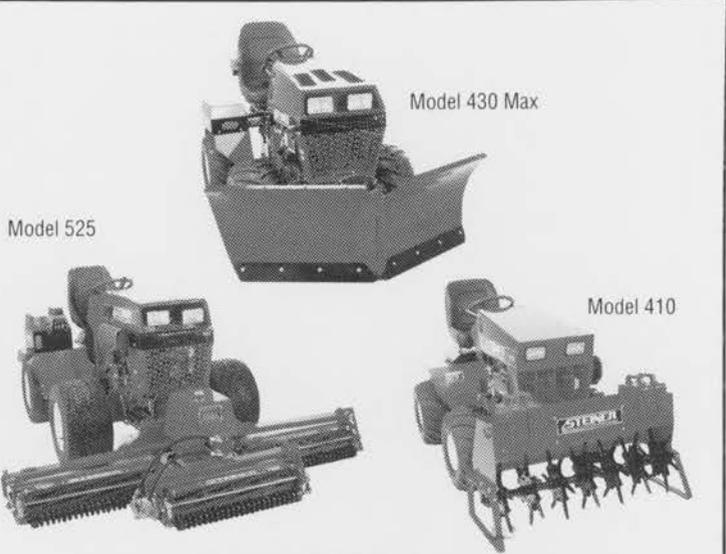
25125 Trans-X, Novi, MI 48376
(248) 349-4100 Fax: (248) 349-0406
Statewide Rep: James Bondy
GD Regional Rep: Don Fields (248) 349-4100
MM Regional Rep: Mike Hugenot (248) 349-4100
NM Regional Rep: Rick Kuch (248) 349-4100
WM Regional Rep: Joe Tibus (248) 349-4100

WEINGARTZ

39050 Grand River, Farmington Hills, MI 48335
(888) 453-8873 Fax: (248) 471-6948
Statewide Rep: Don Alexander
GD Regional Rep: Tom Bradshaw (888) 453-8873
MM Regional Rep: Tom Caverly (888) 453-8873
NM Regional Rep: Bill McPike (616) 696-2913
WM Regional Rep: Steve Kuti (616) 696-2913

WEST MICHIGAN POWER & EQUIPMENT

3651 M-20, New Era, MI 49446
(800) 821-6522 Fax: (616) 861-2455
Statewide Rep: Lyn Turner (800) 821-6522



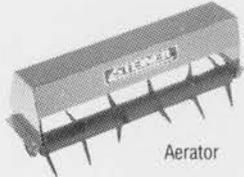
Versatility on wheels

A turf tractor is only as good as the tools you can attach to it. Thanks to Quick-Hitch, Steiner turf tractors are the best in their field. With it's many and varied attachments, a



Terra Rake

Steiner becomes anything you want it to be in five minutes or less. You can mow, move dirt and snow, edge, blow, chip, aerate and more.



Aerator

And behind Quick-Hitch, you'll find the only turf tractor with constant four-wheel drive, smooth power steering and our unique articulated frame. All backed by the Steiner reputation for reliability. For versatility on wheels, see your authorized Steiner dealer today.

Financing available through Dealers Credit, Inc. (800) 735-1903



THE STEINER
A TURF TRACTOR WITH A DIFFERENT TWIST

INDUSTRIAL VEHICLE SALES, INC.

361 S. Saginaw
Pontiac, MI 48341

(248) 338-1590 Fax (248) 338-4604

NEW SNOW MOLD CONTROL

LF II 14-2-12 w/ PCNB

A premium, homogenous granular fertilizer containing isobutylidene diurea and impregnated with PCNB fungicide in 40 lbs. bags

The LF II Advantages:

- ◆ Provides excellent control of pink and gray snow mold.
- ◆ Delivers as much as five times the amount of potash in sulfate form as similar products.
- ◆ 24% more product distribution along with an homogenous greens grade fertilizer.
- ◆ Dual action controlled-release nitrogen available through isobutylidene diurea as well as methylene urea.
- ◆ Easily spread through a rotary spreader unlike other granular control products.
- ◆ For use on all cool-season grasses

Contact Your
Benham Turf Partners
Sales Representative
Today For All Of Your
Snow Mold Control Needs!
1-800-482-6520

Product/Service Categories

Aerators
Aerification Services
Asphalt Paving
Aggregate Supplier
Baseball Field Clay
Batteries & Accessories
Biological Equipment
Blowers
Brush Chippers/Shredders
Bunker Sand
Compressor Rental
Computers & Software
Concrete Pavers
Construction Soils
Consulting & Management Services
Crane Rental
Drainage Systems & Supplies
Driving Range Equipment
Endophyte Seed
Engines
Environmental Auditing & Compliance Svcs
Equipment Lifts
Erosion Control Products
Fans
Fencing & Netting
Free Next Day Delivery
Golf Cars & Accessories
Golf Course Accessories
Golf Course Architecture & Design
Golf Course Construction Contractors
Gravel
Greensmix Materials
Grinders & Sharpeners
Hand Tools
Heavy Equipment
Hydroseeding
Injection Equipment/Systems
Integrated Pest Management & Svcs
Irrigation
Irrigation Design & Consulting
Landscaping Accessories & Svcs
Limestone
Mobile Svc
Mowers & Accessories
Mulch
Nursery
Overseeders/Contracted Service
Pesticide/Fertilizer Application Services
Pesticides/Fertilizers/Biological Products
Pipe Repair Clamps
Pond/Lake Management Products
Power Rakes
Pressure Washers
Pruner/Trimmers
Publications/Directories/Reference Materials
Pumping Stations & Equipment
Reel Grinding
Rentals-Equipment
Repairs
Replacement Parts
Retaining Walls
Safety Products
Sand
Seed
Seeding Mulch
Signage & Markers
Slag
Slit Seeders/Contracted Service
Small Engine Parts
Sod
Soil Conditioner & Amendments
Soil Testing
Sphagnum Peat (bulk)
Spill Control Absorbants
Sprayers, Seeders & Topdressers
Storage Buildings/Shelters
Sweepers & Vacuums
Tackifiers
Tires, Wheels & Accessories
Topdressing Materials
Topsoil
Tractors
Tree Care Equipment and/or Services
Trees
Turf Colorants & Markers
Turf Covers
Turf Rollers
USGA Sand
Utility Vehicles/Trucks
Wash Systems
Water Meters
Weather Monitoring Equipment
Well Construction Parts
Wetting Agents

CHIPCO® 1999 Golf Turf Seminar

Dear Golf Course Superintendent,

You are cordially invited to attend the second annual CHIPCO® Golf Turf Seminar:

When; Thursday January 7, 1999

Where; Novi Doubletree Hotel I-96 & Novi Road



Agenda ; 8:00-9:00am Registration, coffee and donuts

9:00am till Noon

⇒ Dr. Ken Diesburg, Southern Illinois University will discuss his work with turf growth regulators and present data on CHIPCO®'s new PROXY®

⇒ Dr. Joe Vargas, Michigan State University will update the results of CHIPCO® SIGNATURE® and 26GT® in 1998 and management strategies for the next millennium.

Noon

⇒ Lunch compliments of Rhone-Poulenc

Adjourn

Please **RSVP** as soon as possible (Tuesday January 5, 1999 at the latest) with the enclosed postcard or by calling Bob Dugan (734) 782-0323 fax 6344.

I'am looking forward to seeing you at the seminar.

Sincerely

Bob Dugan

(734) 782-0323

Fax (734) 782-6344

Product/Service Category Listing

Aerators

Industrial Vehicle Sales
Turf Services, Inc.
West Michigan Power & Equipment

Aerification Services

Commercial/Environmental Turf Services
Great Greens of America, Inc.
Turf Services, Inc.

Asphalt Paving

S&F Construction, Inc

Aggregate Supplier

Osburn Industries Inc.
Tri Turf Soils, Inc.

Baseball Field Clay

Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Tri Turf
Turf Services, Inc.
Turfgrass Inc.
United Horticultural Supply

Batteries & Accessories

Club Car, Inc.
Valley Turf Inc.
W.F. Miller Company

Biological Equipment

Benham Turf Partners
Commercial/Environmental Turf Services
J. Mollema & Son Inc.

Blowers

Commercial Lawnmower Inc.
Cougar Sales & Rental
D&C Distributors, Inc.
Industrial Vehicle Sales Inc.
Spartan Distributors
Valley Turf Inc.
W.F. Miller Company
Weingartz
West Michigan Power & Equipment

Brush Chippers/Shredders

Commercial Lawnmower Inc.
Cougar Sales & Rental
Valley Turf Inc.
Weingartz
West Michigan Power & Equipment

Bunker Sand

Osburn Industries Inc.
Tri Turf Soils, Inc.
Valley Turf Inc.

Compressor Rental

AIS Rental Corporation
Allingham Corporation
Cougar Sales & Rental

Computers & Software

Green & Grow, Inc.

Concrete Pavers

Fendt Builders' Supply, Inc.

Construction Soils

Osburn Industries Inc.
Tri Turf Soils, Inc.
United Horticultural Supply

Consulting & Management Services

Century Rain Aid
Commercial/Environmental Turf Services
Site Specific, Inc.
Tri Turf Soils, Inc.

Crane Rental

AIS Rental Corporation
Allingham Corporation

Drainage Systems & Supplies

Century Rain Aid
Construction Supply, Inc.
D&C Distributors, Inc.
Golf Course Repair Parts
Spartan Distributors
Turf Services, Inc.
Turfgrass Inc.
Valley Turf Inc.

Driving Range Equipment

Green & Grow, Inc.
Turfgrass, Inc.

Endophyte Seed

Benham Turf Partners
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Lebanon Sea Board Corp.
Tri Turf
Turf Chemicals Inc.
Turfgrass Inc.
United Horticultural Supply

Engines

Commercial Lawnmower
Cougar Sales & Rental
D&C Distributors, Inc.
Tri Turf
Valley Turf Inc.
W. F. Miller Company
Weingartz

Environmental Auditing & Compliance Svcs

Benham Turf Partners
Commercial/Environmental Turf Services
United Horticultural Supply

Equipment Lifts

AIS Rental Corporation
D&C Distributors, Inc.
Green & Grow, Inc.

Erosion Control Products

Construction Supply, Inc.
D&C Distributors, Inc.
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Rhino Seed & Landscape Supply
Tri Turf
Turfgrass Inc.
United Horticultural Supply

Fans

AIS Rental Corporation
Green & Grow, Inc.

Fencing & Netting

D&C Distributors, Inc.
Green & Grow, Inc.
Green Growth Supply Co., Inc.
Rhino Seed & Landscape Supply
Turfgrass Inc.
Valley Turf Inc.

Free Next Day Delivery

Rhino Seed & Landscape Supply

Golf Cars & Accessories

Chief Cart Inc./E-Z-GO
Club Car

Golf Course Accessories

D&C Distributors, Inc.
Green & Grow, Inc.
Spartan Distributors
Tri Turf
Turfgrass Inc.
Valley Turf Inc.
W.F. Miller Company

Golf Course Architecture & Design

Design 3
L.A. Links, Inc.

Golf Course Construction Contractors

Terry Malburg Landscaping

Gravel

Osburn Industries Inc./Pea
Tri Turf Soils, Inc.

Greensmix Materials

J. Mollema & Son, Inc.
Osburn Industries Inc.
Rhino Seed & Landscape Supply
Tri Turf Soils, Inc.
United Horticultural Supply

Grinders & Sharpeners

D&C Distributors, Inc.
Spartan Distributors
Tri Turf
Valley Turf Inc.
Weingartz

Hand Tools

AIS Rental Corporation
Cougar Sales & Rental
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Rhino Seed & Landscape Supply
Tri Turf
Valley Turf Inc.

Heavy Equipment

AIS Rental Corporation
Cougar Sales & Rental
Munn Tractor Sales Inc.
West Michigan Power & Equipment

Hydroseeding

Benham Turf Partners
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Lebanon Sea Board Corp.
Rhino Seed & Landscape Supply
Terry Malburg Landscaping Inc.
Turfgrass Inc.
United Horticultural Supply

Injection Equipment/Systems

Benham Turf Partners
Commercial/Environmental Turf Services
J. Mollema & Son, Inc.
Spartan Distributors
Tri Turf
Valley Turf Inc.
Weingartz

Integrated Pest Management Training & Svcs

Site Specific, Inc.

Irrigation

Century Rain Aid
Marc Dutton Irrigation
Spartan Distributors

Irrigation Design & Consulting

C.J. Colein & Associates, Inc.

Landscaping Accessories & Svcs

Century Rain Aid (Lighting)
 The Davey Tree Expert Co.
 Green Growth Supply Co.
 Industrial Vehicle Sales
 Rhino Seed & Landscape Supply
 West Michigan Power & Equipment

Limestone

The Andersons
 Green & Grow, Inc.
 Green Growth Supply Co., Inc.
 J. Mollema & Son, Inc.
 Osburn Industries Inc.
 Tri Turf
 Turf Chemicals Inc.
 United Horticultural Supply

Mobile Svc

W. F. Miller Co.

Mowers & Accessories

Commercial Lawnmower Inc.
 Cougar Sales & Rental
 D&C Distributors, Inc.
 Industrial Vehicle Sales Inc.
 Spartan Distributors
 Valley Turf Inc.
 W.F. Miller Company
 Weingartz
 West Michigan Power & Equipment

Mulch

Benham Turf Partners
 Construction Supply, Inc.
 Green Growth Supply Co., Inc.
 J. Mollema & Son, Inc.
 Lebanon Sea Board Corp.
 Rhino Seed & Landscape Supply
 Tri Turf
 Turf Chemicals Inc.
 United Horticultural Supply

Nursery

The Davey Tree Expert Co.
 Huggett Sod Farm, Inc.
 J. Mollema & Son, Inc.

Overseeders/Contracted Service

Turf Services, Inc.
 West Michigan Power & Equipment

Pesticide/Fertilizer Application Services

The Andersons
 Benham Turf Partners
 The Davey Tree Expert Co.
 Lebanon Sea Board Corp.
 The Scotts Company
 United Horticultural Supply

Pesticides/Fertilizers/Biological Products

The Andersons
 Benham Turf Partners
 Commercial/Environmental Turf Services
 Emerald Isle, Ltd.
 (Biostimulants/Micro-Nutrients)
 Green & Grow, Inc.
 Green Growth Supply Co., Inc.
 J. Mollema & Son, Inc.
 Lebanon Sea Board Corp.
 Rhone-Poulenc Ag. Co.
 The Scotts Company
 Tri Turf
 Turf Chemicals Inc.
 Turfgrass Inc.
 United Horticultural Supply

Pipe Repair Clamps

Golf Course Repair Parts

Pond/Lake Management Products

Benham Turf Partners
 Century Rain Aid
 Emerald Isle, Ltd.
 Green & Grow, Inc.
 Green Growth Supply Co., Inc.
 J. Mollema & Son, Inc.
 Tri Turf
 Turf Chemicals Inc.
 Turfgrass Inc.
 United Horticultural Supply

Power Rakes

Commercial Lawnmower Inc.
 Cougar Sales & Rental
 Valley Turf Inc.
 W.F. Miller Company
 Weingartz
 West Michigan Power & Equipment

Pressure Washers

AIS Rental Corporation
 Cougar Sales & Rental
 Weingartz

Pruner/Trimmers

Commercial Lawnmower Inc.
 Cougar Sales & Rental
 D&C Distributors, Inc.
 Green Growth Supply Co., Inc.
 J. Mollema & Son, Inc.
 Valley Turf
 Weingartz
 West Michigan Power & Equipment

Publications/Directories/Reference Materials

Green & Grow, Inc.
 J. Mollema & Son, Inc.

Pumping Stations & Equipment

AIS Rental Corporation
Century Rain Aid

Reel Grinding

Spartan Distributors
Valley Turf Inc.
W.F. Miller Company
Weingartz

Rentals-Equipment

AIS
Allingham Corporation
Cougar Sales & Rental

Repairs

Golf Course Repair Parts
Munn Tractor Sales Inc.
Spartan Distributors
Valley Turf Inc.
W.F. Miller Company
Weingartz

Replacement Parts

Century Rain Aid
Commercial Lawnmower Inc.
Cougar Sales & Rental
D&C Distributors, Inc.
Green & Grow, Inc.
Munn Tractor Sales Inc.
Spartan Distributors
Tri Turf
Valley Turf Inc.
W.F. Miller Company
Weingartz

Retaining Walls

Fendt Builders' Supply, Inc.
Terry Malburg Landscaping, Inc.

Safety Products

D&C Distributors, Inc.
Green Growth Supply Co., Inc.
Tri Turf
Turfgrass Inc.

Sand

Osburn Industries Inc.
Tri Turf Soils, Inc.

Seed

Benham Turf Partners
Construction Supply, Inc.
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Lebanon Sea Board Corp.
Rhino Seed & Landscape Supply
The Scotts Company
Tri Turf
Turf Chemicals Inc.
Turfgrass Inc.
United Horticultural Supply
Valley Turf Inc.

Seeding Mulch

Benham Turf Partners
Construction Supply, Inc.
Green Growth Supply Co., Inc.
J. Mollema & Son, Inc.
Lebanon Sea Board Corp.
Rhino Seed & Landscape Supply
Tri Turf
Turf Chemicals Inc.
Turfgrass Inc.
United Horticultural Supply

Signage & Markers

D&C Distributors, Inc.
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Tri Turf
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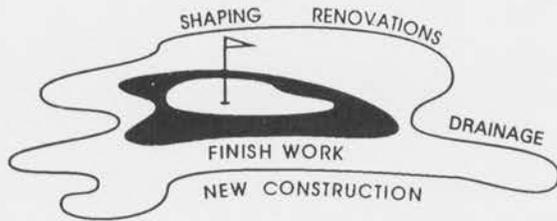
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Regional Seminar Highlights

The GDGCSA, along with the GCSAA, co-sponsored the regional seminar "The Superintendent as Grow-In Manager", held at the Double Tree Hotel in Novi on November 10th. Mr. Bud White, consultant with Total Turf Services, Inc., shared his wealth of experiences with the 54 participants in attendance. This seminar was very comprehensive and well received by the audience. For those who could not attend, this seminar will be offered at the conference in Orlando.

We will be hosting an Etonic's Superintendent Leadership Series seminar on February 23, 1999. The seminar is entitled "Building a Successful Golf Course on Image and Balancing Your Golf Career and Your Personal Relationships", which will be presented by Ms. Bobbie Gee. As author of *Creating a Million Dollar Image* and veteran motivational speaker to large companies such as Walt Disney Co. and IBM, Ms. Gee guarantees excitement and practical advice for those in attendance. Look for more information in the upcoming month.

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1999 Conference & Trade Show 50th Anniversary in Toronto, ON

It's time to start planning: The 50th Canadian International Turfgrass Conference and Trade Show is just around the corner. This event is being held at the Metro Toronto Convention Centre (new South Building) in Toronto, ON. The show runs from Thursday, March 4 to Sunday, March 7, 1999, which is different from the previous format of Saturday to Tuesday, so be sure to arrive early. The keynote speaker and festivities begin at 8 pm sharp on Thursday, March 4, 1999.

The conference tradition began 50 years ago with the Royal Canadian Golf Association organizing the event. The CGSA took over in 1975 and it's now reached the point where it's a major event, with top international speakers and fellow superintendents from across the country sharing their experiences. This year there's a bonus for conference attendees. The Toronto Golf & Travel Show is being held at the same time at the old north building of The Metro Toronto Convention Centre (MTCC). Its entrance is off Front Street. We're using the new entrance off Bremner Boulevard, which faces Lake Ontario.

The Program promises to be both interesting and exciting, starting with the pre-conference seminars scheduled on Thursday, March 4. We have **John Kelly** with "Drainage Principles"; **Pat Differ** with "Creating a Balance" and **Gary Grigg** with "Golf Course Construction Management and Grow-in" sharing their knowledge with you. Also, a special one-and-a-half day seminar has been selected for the pre-conference lineup. "Irrigation Auditor Training" by **Dennis McKernan** will be presented on Thursday, March 4 and Friday, March 5, 1999.

Our keynote speaker, **Peter Urs Bender** is one of Canada's most entertaining and dynamic business speakers. His messages not only inform, but move audiences to action - which is what he'll be doing at the 1999 conference.

Don't miss the Canadian International Turfgrass Conference and Trade Show. Canada's premier turfgrass event celebrates its 50th Anniversary! For more information please contact the CGSA office at (800) 387-1056. For registration, contact Jacqui Atkin, extension 226. Contact Kathryn Young, extension 225, for the speakers and companions program. For information on the sold-out trade show, contact Chuck Desveaux, extension 223.

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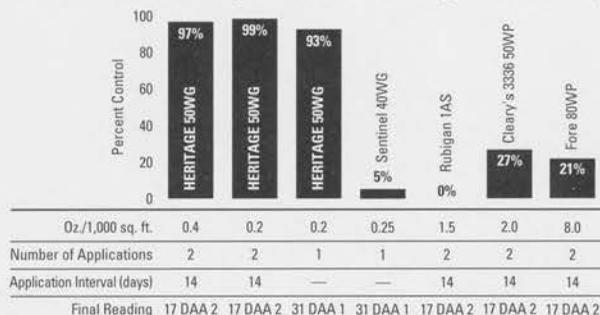
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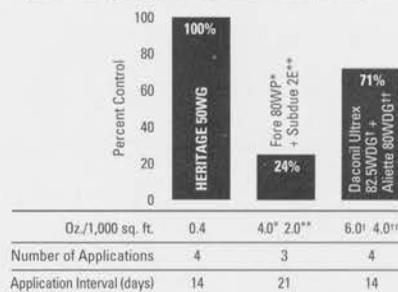
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Anthracnose¹ (*Colletotrichum graminicola*) on 80% Annual Bluegrass, 20% Perennial Ryegrass



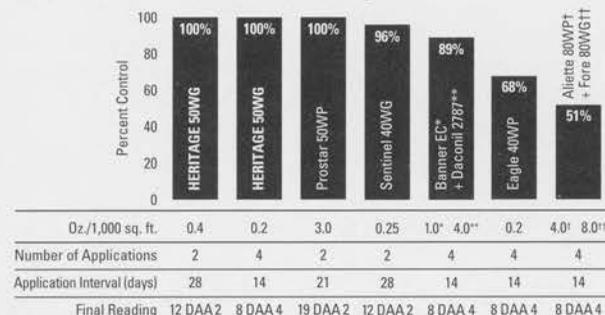
Dr. Don Scott, Purdue University, 1995 US 67-95-P354
¹ Also isolated from plots: 2 species *Rhizoctonia*; 3 species *Pythium*; and several species *Phytophthora*.

Pythium Blight (*Pythium aphanidermatum*) on Perennial ryegrass



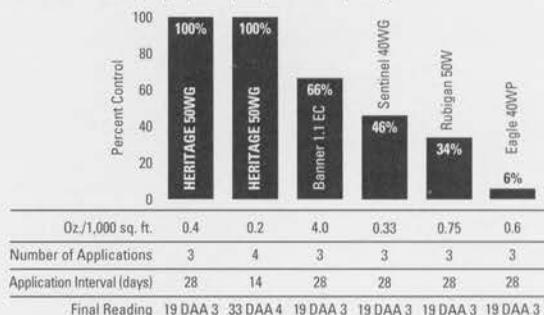
Dr. John Watkins, University of Nebraska, 1996 USNP-96-P030

Brown Patch (*Rhizoctonia solani*) on Colonial Bentgrass



Dr. Pat Sanders, Penn State University, 1994 US 66-94-P356

Summer Patch (*Magnaporthe poae*) on Kentucky Bluegrass



Dr. Bruce Clarke, Cooke College, Rutgers University, 1994 US 66-94-P362

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Treasurer, Delta Solid Waste
Management Authority
1100 Delta Avenue
Gladstone, MI 49837
(906) 428-2311.

Randall Smith*
Grand Traverse County
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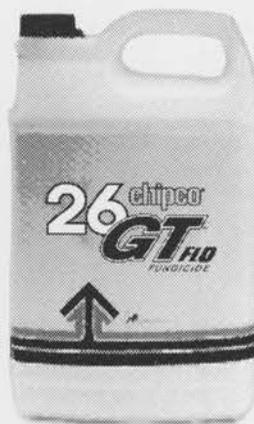
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Steve Kunselman*
Sumpter Township
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*Site scheduled for construction in the summer of 1998.

For further information on Clean Sweep or the Michigan Groundwater Stewardship Program, contact Jack Knorek (517) 335-2874

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Clean The Skeletons Out of Your Closet! A Safe Way to Dispose of Unwanted Pesticides

Gregory T. Lyman

Turfgrass Environmental Education Specialist
Department of Crop and Soil Sciences

Have you got some yellow ooze starting to show through that old jug of stuff (who knows what it used to be) in the back of your pesticide closet? In a crowded room, rarely do you get anyone to raise their hand to that type of question. Having some pesticides hang around a grounds maintenance operation is not uncommon. What is uncommon is the ease with which you can now dispose of these products, thanks to the Michigan Groundwater Stewardship Program at the Michigan Department of Agriculture (MDA).

There seems to be a variety of ways in which pesticide products can accumulate in the turf and ornamental "green" industry. Inheriting old products, changes in the scope of the business operation, label changes and new products emerging on the market are a few ways that pesticide products can become unwanted, fall out of favor and get pushed to the back of the storage room.

Clean Sweep Program

The MDA has been aggressively building a mechanism to move old, unusable or unwanted pesticides off your storage shelves and into the hands of disposal professionals. We have conducted several Clean Sweep projects in the past five years for the green industry, but the system just became even easier. The Groundwater Stewardship Program has been establishing permanent Clean Sweep disposal sites and recently announced that a total of 11 will be operating in 1998. Seven are currently available for your call and an additional four will be open in the early summer.

The System

Now for the incredible news. There is no cost for those operations that are considered end users of the products. These include ground maintenance, golf courses, athletic fields, municipalities, and homeowners. Those who are in the business of selling pesticide application services will be charged a nominal cost: around \$1.00 dollar per pound. This is a fraction of the cost if you tried to arrange this yourself. Program costs are covered by the Michigan Groundwater Stewardship Program, a grant from the U.S. Environmental Protection Agency, and services provided by the local cooperators. This includes unknown pesticide products - those packages which have no label. To take advantage of this system, simply contact the site that is closest to your operation, let them know what you have, follow their packing and transport directions, make arrangements to drop them off at the site, and then drive away with a smile knowing that you have helped your company, the environment and the industry.

In general, green industry operations don't have large quantities of unusable or unwanted pesticide products hanging around in storage sheds. More commonly, small amounts of a few products accumulate over time. This project enables everyone to easily dispose of those few jugs of product that you just don't plan to use any longer, or those that have a big drum of "stuff" in the corner. Make it work for you. A tip of the hat is in order for the MDA and the Groundwater Stewardship Program for this proactive approach.

Persons interested in participating in the Clean Sweep program should contact the site coordinator at the location nearest to them.



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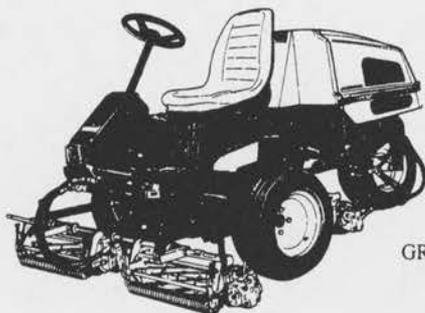
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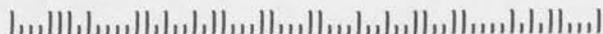
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