

OSMAC



Irrigation Control System *from Toro and Motorola*



OSMAC can convert ANY irrigation control system.



Using the hand-held portable radio, you can command your irrigation system from anywhere on your course. You can command your system to run any station or group of stations you choose either sequentially or simultaneously, when you choose it.

And, with either the hand-held portable radio or a telephone, you can even command your system from your home, when that's more convenient.



The Spirit
of Competition

MTI DISTRIBUTING CO.



MAIN OFFICE:

PLYMOUTH

14900 21ST AVE NO
PLYMOUTH, MN 55447
612-475-2200
1-800-362-3665

FRIDLEY

8041 RANCHERS ROAD
FRIDLEY, MN 55432
612-785-2430

BURNSVILLE

1103 RIVERWOOD DRIVE
BURNSVILLE, MN 55337
612-890-3720

FARGO

4310 MAIN AVE
FARGO, ND 58104
701-281-0775
1-800-782-1031

The 1994 Wisconsin Turfgrass Field Day

The Tradition Continues...

The excitement is building for the 12th Annual Wisconsin Turfgrass Field Day scheduled for Tuesday August 16 from 8:00 a.m. to 3:30 p.m. at the O.J. Noer Turfgrass Research and Education Facility in Verona. This is our third year at the Noer facility, and we have an eventful day filled with research, equipment and friendship. We have incorporated many of the suggestions from the 1993 evaluations and will open the 1994 Field Day with the trade show, product demonstration and auction followed by our traditional Wisconsin barbecue lunch. The afternoon will spotlight the research and demonstration areas with presentation by the UW-Turfgrass Group.

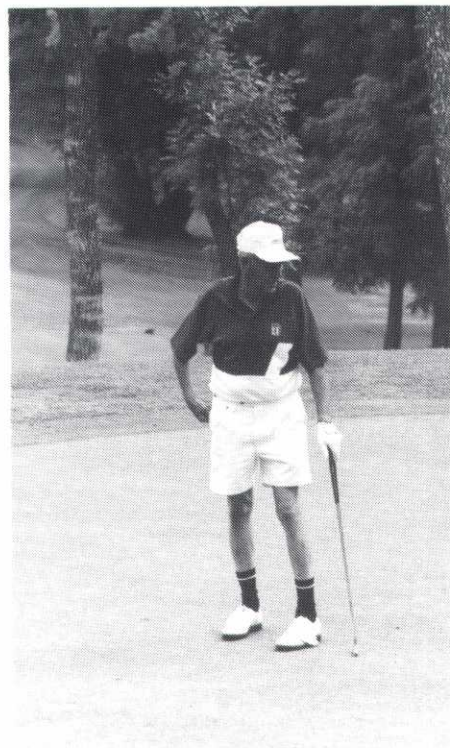
The Trade Show will display the finest and latest technologies in turfgrass and landscape management. Equipment demonstrations of mowers, sprayers, cultivators and much more will be highlighted. Also, turfgrass supplies such as irrigation equipment, fertilizers, turf chemicals and seed will be on display. The morning program will continue with the 2nd Annual Fundraising Equipment and Supplies Auction. New and used supplies and equipment such as seed, landscape rakes, golf flag sticks, etc. will be auctioned off to benefit the WTA in support of turfgrass research and education.

If you are interested in having some equipment, supplies, etc., that are in good condition, auctioned off, please contact the Noer Facility at (608) 845-6536.

The 1994 research tour will be highlighted by the WGCSA-sponsored Putting Green Management System Study. Also, as with each Field Day, this is your chance to "put pictures" to the data and recommendations we provide each winter at the EXPO. We will display many of the studies established last year and provide an opportunity for you to view the plots as they mature. The UW-Turfgrass Group is growing with new staff and students and there will be over a dozen presentations. It should be a fun time!

Advance registration is \$15 for WTA members; \$20 for non-members, and includes lunch and a field tour book. On-site registration for WTA members is \$20; \$25 for non-members. If you would like more information, contact the Noer Facility.

— Dr. Frank S. Rossi



SINKING LONG PUTTS is one of Jerry Bibby's specialties.

To All Associate Members of the MGCSA

It was brought to the attention of the Board of Directors that some associate members would like to discontinue the monthly equipment and product displays. I would like to ask all associate members to respond to myself or Tim Commers by writing your views down and sending them to us. You may fax or call either one of us at:

Monty Montague
National Mower
P.O. Box 14299

St. Paul, MN 55114-0299
Phone: (612) 646-4079
Fax: (612) 646-2887

Tim Commers
Cushman Motor Co., Inc.
2909 Franklin Avenue
Minneapolis, MN 55406
Phone: (612) 333-3487
Fax: (612) 333-5903

Still Simply The Best Greens Fertilizers You Can Use Today

You can count on Par Ex® Greens Grade Fertilizers with IBDU® slow-release nitrogen to deliver what you're looking for in a greens fertilizer.

SAFETY - HIGH WIN LEVELS - CONSISTENCY

Precision Turf & Chemicals
3145 Sycamore Lane
Plymouth, MN 55441
612/559-5293

For more information contact:
Turf Supply Company
2797 Eagandale Boulevard
Eagan, MN 55121
612/454-3106

Ken Quandt
Territory Manager
West Allis, WI
414/327-3993

par ex
THE EX STANDS FOR EXCELLENCE

Par Ex® and IBDU® are registered trademarks of Vigoro Industries, Inc.



Turf Supply Company

OFFERS YOU

ENVIRONMENTALLY CORRECT PACKAGING



*DURSBAN 50W*BLAZON EZ Pak*DACONIL 2787WDG*BARRICADE 65WP*PACE*SPOTRETE 75WDG*SOLU PLEX FE*SENTINEL*PRIMO,BANNER,
SUBDUE TURF PAKS*ALIETTE WDG*BAYLETON*TRUE BLUE WSP*BANNER GEL PAKS*3336 WP*SIGNAL WSP*SUBDUE WSP*DISSOLVE*

KNOWLEDGE
+
PERFORMANCE
+
PACKAGING

TURF SUPPLY COMPANY

1-800-551-4857

1-612-454-3106

Needs of the North—

(Continued on Page 13)

I have had the opportunity to visit golf courses throughout New England, the Maritime Provinces of Canada and more recently outside of Traverse City, Mich. (High Point Golf Club) where the fine-leaf fescues have been planted tee to green. In most cases where there is significant play, the fescues cannot hold up on the greens. However, tees and especially fairways

have been providing superior conditions for many years. A quick look at the maintenance budgets also adds a nice feature to the fescues. In general, pesticide applications are about 30 to 50% less than other courses in the area.

We do not expect the fine-leaf fescue to be without their problems, notably the lack of wear, tolerance and slow recuperative ability. Also, diseases such as red thread and leafspot could be devastating. Still, traffic pat-

terns can be managed successfully to limit excessive wear and conditions that are conducive to severe disease outbreaks are not common. We have also observed some cultivar difference in snow mold and leafspot susceptibility; however, these are only preliminary observations.

We are very excited about the opportunity to evaluate species under "real world" conditions, yet, a Northern Turfgrass Research Project would not be complete without disease evaluations. Dr. Julie Meyer, the UW-Madison Turfgrass & Agronomic Crop Pathologist, will be conducting extensive long-term disease evaluations. Also, Dr. Meyer's graduate assistant, Steve Millet, is working on a Ph.D. investigating the biology of Gray Snow Mold and could be conducting experiments as part of the project. Dr. Meyer will be evaluating commercially available and experimental fungicides for effectiveness, as well as several composted and microbial-based products as part of the biological disease management program.

The Future

We are currently planning on holding a Field Day at Gateway sometime in 1995 to view the progress of the project and provide an open forum for input for future efforts. We have been in contact with many seed companies interested in evaluating their materials in our project. Also, turfgrass research programs in Manitoba and Alberta, Canada have expressed interest in collaborating on projects that affect their turfgrass managers. So the future looks bright for the Northern Project, so bright I gotta wear shades!

When It Comes to Turf Management...

NOBODY KNOWS
LIKE YOUR
WILBUR-ELLIS PRO

- ★ Quality Products
- ★ Environmental Leaders
- ★ Regulations/Services
- ★ Trouble Shooting
- ★ Fertility Programming
- ★ Diagnostic Work
- ★ Leaders in Environmentally Favored Packaging
- ★ Best Technical Services

Your one-stop shop for all turf management needs. Ask about our complete line of chemicals, fertilizers and seed.

Wilbur Ellis...dedicated to quality, customer service and environmental stewardship.

FOR MORE INFORMATION CONTACT:

LARRY THORNTON

612/723-0151 or 1-800-642-2736



FOR SALE

Cushman Top Dresser
9½ cubic ft. capacity
PTO Drive
Excellent Condition

\$650.00

Call Tipsinah Mounds, G.C.
Pete Mounts
Day (218) 685-4271
Night (218) 948-2043

Quiet Please...

Silence is E-Plex



Changing the course of the future: the Ransomes E-Plex

■ E-PLEX* IS THE FUTURE

Battery operated equipment isn't the wave of the future, it is the future, and it is here now in the new E-Plex greens mower from Ransomes.

The E-Plex mower was built with great care and commitment. This innovative greens mower masterfully joins decades of Cushman industrial electric vehicle and Ransomes reel mower experience with the traditional values of quality, reliability and performance. The E-Plex is a showcase of contemporary engineering, leading the industry into the twenty-first century.

■ E-PLEX IS ENVIRONMENTALLY SOUND

- Quiet operation
- No hydraulics—No oil leaks
- Simple, proven technology assures long life
- Zero emissions—Pollution free

■ E-PLEX IS DESIGNED TO PERFORM

- Exceptional quality of cut
- Range of 9-18 greens on a single charge
- Excellent hill climbing capabilities
- More economical to operate and maintain than comparable gas or diesel units

* Patent pending.

*Contact us today ...
for a free demonstration.*



The time is right for battery powered equipment. Electric technology offers many benefits and advantages over fuel powered equipment. It is clean. Quiet. Easy to operate. Powerful. Less costly to maintain.

■ ELECTRIC POWERED EQUIPMENT

- Simple design with minimal parts
- Clean operation eliminating the chance of hydraulic leaks
- Quiet for nuisance-free use in and near residential neighborhoods
- Easy operation
- Capable of running three hours between battery charges

Authorized Factory Dealer Since '49



**CUSHMAN
RANSOMES
RYAN**

Driven to be the best.

CUSHMAN MOTOR CO., INC.

**CUSHMAN
TURF-CARE
EQUIPMENT**

2909 EAST FRANKLIN AVENUE • MINNEAPOLIS, MINNESOTA 55406 • (612) 333-3487 • FAX (612) 333-5903 • TOLL FREE 1 (800) 759-5343

Rolling Green Country Club Hosts the PAGL

By Dale Wysocki
Faribault Golf & Country Club

After a hard day of managing fine turf, it is very nice to come home and watch a little golf on television. What's even nicer is when you're watching and the golf course on the tube looks very familiar. Well, that precisely is what happened on July 18 and 19 as ESPN broadcast the first Professional Athletes Golf League (PAGL) Tournament from Rolling Green C.C.



Doug Wilson

Actually, the tournament was played July 15 through 17. Pat Walton, CGCS, and his staff had the golf course in tournament condition. The greens were true and fairways offered tight lies. Doug Wilson (NHL) said "the fairways are the nicest in the Metro area."

The Chuck Maddox design offered a fine challenge for these pro athletes. With two distinct nines, one being open and rolling and the other being tight with many mature trees lining the fairways, the course presents a true test for any scratch golfer.

While Walton, provided the cake for the eventual winners to add the icing to, the real winner of this outing was the Special Olympics of Minnesota, which received the proceeds from ticket sales.



John Brodie

Wayzata Country Club

August 8, 1994



**CHAMPIONSHIP FOR
ANNUAL WILDFLOWERS
Field Trials of 20 Annual
Wildflower Products**

**THANK
YOU!**

A special thanks to Wayzata Country Club for their assistance on this experiment. Susie Fobes, of Environmental Re-Creations, coordinated the trials. This test was sanctioned by the MGCSA.

Golf Course Beat —

(Continued from Page 10)

square feet of depth of 4 inches or 44 square feet at a depth of 6 inches.

4. An "average" sand bunker will use 5 to 8 tons of trap sand at a depth of 4 to 6 inches depth.

5. Formula to determine amount of trap sand required: length X width X depth X 96 divided by 2000 = tons of sand needed.

* * *

I once read how, in the early days of golf in America, players used a little pile of wet sand to tee up their ball on the tee ground when they started the play of a hole. I was contemplating whether the sand going between sharp reels and bedknives would be a bigger problem than the thousands of little pieces of colored wood we see on teeing ground at the end of each work day these days. That led to a little investigative work on the wooden tee.

A gentleman named Dr. William Lowell is credited with inventing the wooden tee. He was a dentist from South Orange, New Jersey who took up golf when he was 60. He disliked

the grit and mess of teeing the golf ball on the pyramid of wet sand. He used dental tools to whittle a golf tee as a substitute for sand.

His playing partners referred to his wooden tees as "suppositories for wildcats"! His sons, however, saw the commercial potential in the tee and in 1924 Dr. Lowell received a patent for his invention.

It was named the "Reddy Tee" and came packed in boxes of 18 and sold for a quarter a box.

Lowell imagined golfers would leave them behind and use a box per round. He even planned a biodegradable version until he realized golfers were hanging onto the wooden ones.

The wooden tee got a big boost when Walter Hagen tracked Dr. Lowell down in his dental office to get some of the wooden tees. Hagen was the U.S. Open champ at the time.

Advertised as the "Tee of Champions", 70 million Reddy Tees sold worldwide in 1929. By then everyone was catching up to Lowell, and his Reddy Tee Company office was closed in 1933. But the wooden tee is still with us.

—Monroe Miller, *Grass Roots*



Specializing in
**Re-Design & Construction
of Golf Courses**

Consultants
Project Management

Contact:
Gerald "Gary" Rohling

817 Gates Avenue
Elk River, MN 55330

(612) 441-5127
Fax (612) 441-3851



AMERICAN

Irrigation & Turf Supply Inc.

Distributors of:

Buckner®

- ★ *Sprinklers*
- ★ *Valve In Head Sprinklers*
Impact & Gear Drive
- ★ *Control Systems*
Stand Alone & Computer
- ★ *Valves*
Plastic & Brass

Thompson Golf

- ★ *Spears*
Fitting & Swing Joints
- ★ *Eagle Plastics*
PVC & Poly Pipe
- ★ *American Drainage Products*
- ★ *Rain-Jet*
Fountains & Areators

2582 White Bear Ave., Maplewood, MN 55109 (612) 770-4066 (800) 238-5819

Introducing the First Complete Line of Potassium Nitrate-Based Turf Products.

Supported by Research

You've read the studies. A desirable ratio of potassium and nitrogen makes stronger turf requiring less maintenance. You know this is a higher ratio of potassium to nitrogen than you're applying now.

Controlled-Release: the Key

But what choice have you had? Controlled-release materials are the basis of advanced turfgrass fertility programs. And until recently, controlled-release potassium nitrate has not been available.

Now K-Power's MultiCote® controlled-release coating allows you to apply the benefits of potassium nitrate-based fertilization across your entire program: Greens Grade, Fairways, even Combination products.

K-Power® Builds Stronger Turf



K-Power's potassium helps turf plants better regulate water levels in their tissue and increase cell wall thickness. The plant is better able to resist temperature and drought stress as well as fungus and insect attacks. Without costly chemical treatments. Stiffer leaves support the



golf ball for better shot-making. Even if you mow a little higher. Clippings are reduced because K-Power's desirable ratio of potassium to nitrogen reduces the rate of leaf growth.

And the low salt index of chlorine-free K-Power potassium nitrate makes it one of the safest turf fertilizers available.

Unique Formulas

The Greens Grade line includes the only ammoniated homogenous products that combine the benefits of methylene urea and potassium nitrate.

The Fairway Blends provide a unique 50/50 ratio of controlled-release nitrogen to controlled-release potassium. For the growth and green-up you need. When you need it.

Trial Programs

Contact your distributor for more information on K-Power and the world's most perfect trial program. Or call us at 1-800-227-2798.



VICKSBURG
chemical company
A TRU COMPANY

©1994 Vicksburg Chemical
K-Power, MultiCote and the Sergeant K character are
registered trademarks of Vicksburg Chemical.

(It's about time.)

Geese vs. Golf

By Doug James

It's been said that there's a goose that laid a golden egg. Unfortunately, that silly goose hasn't had the Rocky Mountains on its itinerary. So far all that's been left is a mess. With 20,000 to 23,000 geese in the Denver-Boulder area, that's a lot of mess. Granted the geese are enjoyable to watch and hear in flight, but cleaning up after them is another story. Geese are aggressive, love to eat and leave approximately a quarter pound of droppings a day. Their grazing can leave a turf barren and they will dig in turf, with no respect for a player's putting line. They have been known to chase golfers from turf that they consider home.

Colorado was not part of the original goose flyway south to their winter home in New Mexico. In 1953 the Colorado Department of Wildlife re-introduced geese into the front range for a variety of reasons. The geese like it. With the urbanization of the front range, there was plenty of open green space and water on which the geese could survive. Word got out in the goose world that they had found Nirvana. A large portion of the geese became resident geese. Being resourceful animals, finding food during the winter was not a problem. Additionally, migrating geese gaze down upon Colorado as they fly south and see the resident geese; they got the message "cool, that's a good place to be for a while." Thus thousands of geese rerouted their flyway through Colorado.

Several methods of goose control have been tried, a goose rodeo being one of them. Several summers ago the Colorado DOW began having goose roundups. The geese were

herded into cages and then transported to other locations. Thousands of corralled geese have been transported to Kansas and Oklahoma. Head 'em up, move 'em out, rawhide!

Scare-away programs which disrupt nesting have also been tried. Scare-away techniques that have been used are recordings of distressed birds have been played, cannons and shell crackers shot and balloons with spooky eyes have been flown around goose areas. All have been successful for awhile.

An interesting idea in goose control was reported in the September 1993 issue of *National Geographic*. A new product is about to get approval from the EPA, grape bubble gum. Well, not really grape bubble gum but methyl anthranilate (MA). MA is a naturally occurring chemical found in Concord grapes and citrus blossoms. A synthesized form gives grape bubble gum its flavor. Geese don't like the taste. John Cummings, of the U.S. Department of Agriculture's Denver Wildlife Research Center, is working on a microcapsule of MA that can be sprayed on the grass and remain viable for forty days. A long residual is important so that both migratory and resident geese can be controlled. It is not known if the geese will become baseball card traders after the MA is sprayed.

But alas, you just can't fool Mother Nature. Being a resilient lot, there will probably always be a few geese around some golf courses. Golfers and geese will need to learn to just coexist.

FAIRWAYS, Inc.

Design and Construction by Contract

Joel Goldstrand

9109 Westmoreland Lane

St. Louis Park, MN 55426

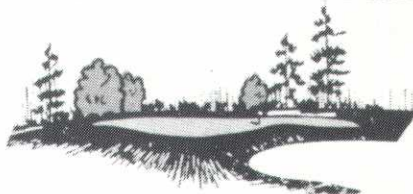
Phone & Fax: (612) 546.3933

Ron Bloom

1972 Hidden Valley Lane NW

Miltona, MN 56354

Phone & Fax: (218) 943.1392



Putter-Perfect Pennncross Sod from Country Club Turf

Grown by Golf Course Professionals
for Golf Course Professionals

Supplying over 150 Golf Courses Since 1987

Current Price .50¢ per square foot



5304 Minnetoga Terrace, Minnetonka, MN 55343
(612) 470-0037

"A Quality Grown Reputation"