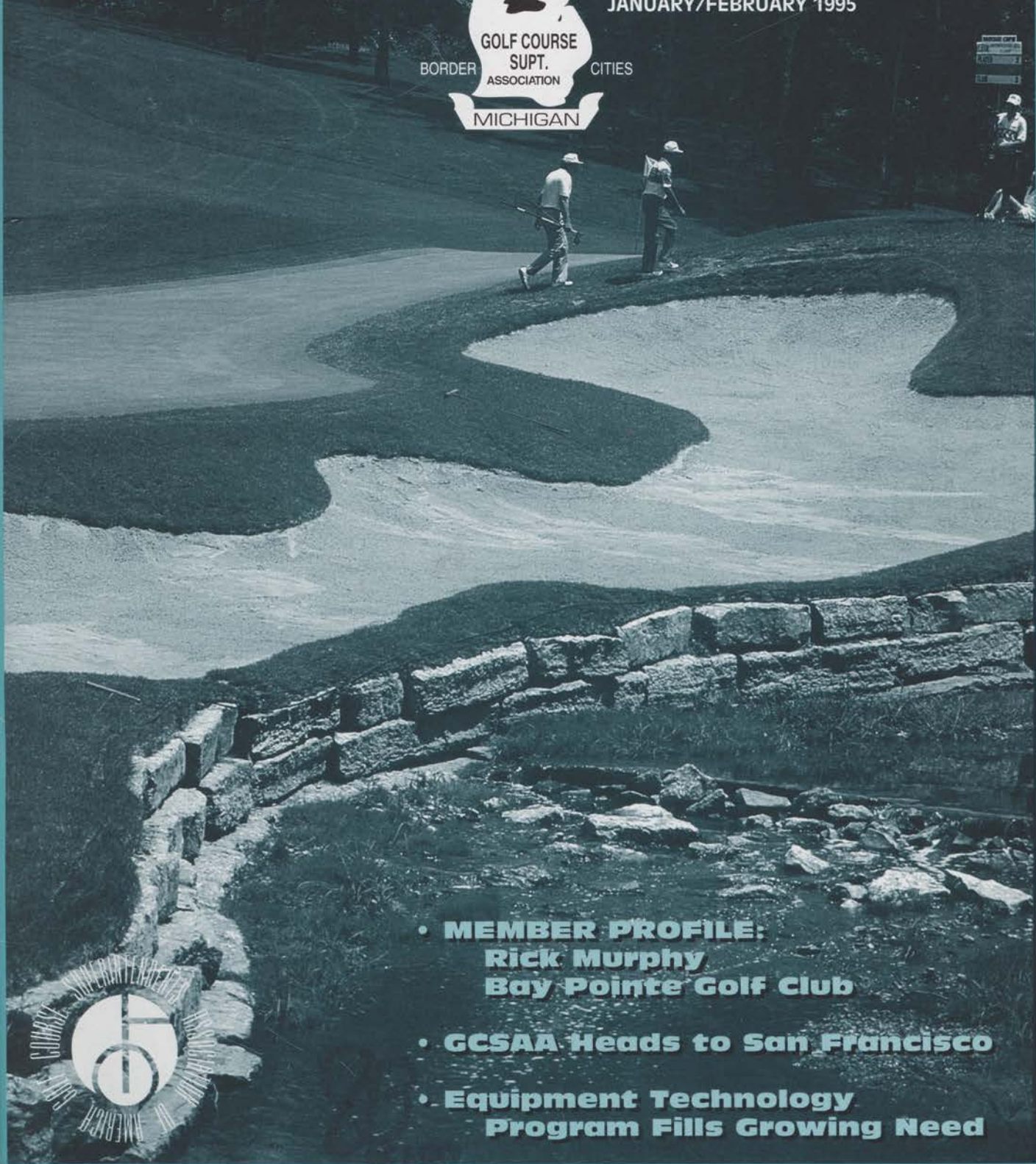


AB

A PATCH OF GREEN

JANUARY/FEBRUARY 1995



- **MEMBER PROFILE:**
Rick Murphy
Bay Pointe Golf Club
- **GCSAA Heads to San Francisco**
- **Equipment Technology**
Program Fills Growing Need



CONSTRUCTION

Mark Your Calendar

March 13th, 14th, 15th, 16th

50th

**ANNIVERSARY
EQUIPMENT SHOW &
STEAK FRY**

Come See and Buy What's New for 1995

Equipment Specials

Closeouts

Parts Specials

Food

Door Prizes

Fun

Special Financing

Factory Reps

New 1995 Models

*** 4 GREAT DAYS ***

* Monday, March 13 & Tuesday, March 14

Utica Location

46061 Van Dyke 1/2 Mile North M-59

(810) 731-7240

Show Hours: 2:00 - 8:00 PM (Each Night)

Steak Fry: 5:00 - 7:00 PM (Each Night)

* Wednesday, March 15 & Thursday, March 14

Farmington Hills, Location

39050 Grand River East of Haggerty

(810) 471-3050

Show Hours: 2:00 - 8:00 PM (Each Night)

Steak Fry: 5:00 - 7:00 PM (Each Night)

WEINGARTZ

Michigan's Largest Lawn, Snow & Outdoor Power Equipment Dealer

FARMINGTON HILLS (810) 471-3050

UTICA (810) 731-7240



A PATCH OF GREEN

The Official Publication of the Michigan and Border Cities Golf Course Superintendents Association

Officers

President

Jay Delcamp

Vice President

Carey Mitchelson

Committee: Fund Raising

Chairman, GAM Seminar

Secretary/Treasurer

Paul Dushane

Committee: Finance,

Welfare, Policy Book

Special Olympics Co-Chair

Past President

Ken DeBusscher

Committee: Publicity, Ethics

Directors

Ed Hock, Jr.

Committee: Special Olympics

Co-Chair, Education Co-Chair,

Golf Day Co-Chair

Paul Kolbe

Committee: Editorial, ByLaws

Mark McKinley

Committee: Picnic, Historian,

Membership Relations

Dave Picot

Committee: Education

Co-chairman, Awards,

Clothing

John Shreve

Committee: Christmas Party,

Membership,

Industrial/Environmental Relations

Roy Szyndlar

Committee: Golf Chair,

Hospitality Room, Golf Day Co-Chair

Committee Chair

Tom Mason: GCSAA Liaison, Delegate

Contact for MBCGCSA Information

Kate Mason

Executive Secretary

MBCGCSA

P.O. Box 173, Troy, MI 48099

(810) 362-1108

Fax (810) 362-1736

Executive Editor

Paul Kolbe

Publishers

Kolka & Robb, Inc.

Vicki Robb, Publisher

Kathleen Kolka, Creative Director

Katie Elsilia, Editor

Tiffanie Howell, Associate Editor

Fred Wessells, Copy Editor

Michael Wagester, Designer

Sally Clark, Advertising

Judy Harpster, Production

Advertising & editorial offices are at:

30700 Telegraph Road

Suite 1401

Bingham Farms, MI 48025-4524

(810) 642-9580 • FAX (810) 642-5290

Contents

3	Calendar of Events
3	New Members
5	On Par with the President
7	Membership Meeting Update
8	The Grass Is Always Greener
11	Say What You Mean!
12	GCSAA's Conference and Show
14	Program Fills a Growing Need
15	Vendor Profile
17	Committee Report
18	Kate Speaking
19	Vital Products in '95

EDITORIAL COMMITTEE

John Cooney

Tim Dorner

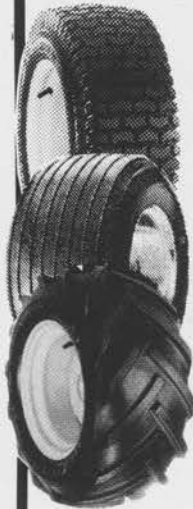
Paul Kolbe

Jane St. John

Steve Sump

Cover photo courtesy of the Golf Course Superintendents Association of America.

Tire Wholesalers Co., Inc.



- As our name implies, we are a wholesaler of tires.
- We are an established business, having been in business for over 20 years.
- We deliver.
- We have UPS service daily.
- We guarantee what we sell.
- We want your business.
- We have a huge inventory of Passenger, High Performance, Truck, Trailer, Motorcycle, Carlisle Lawn & Garden, Industrial Tires & Tubes, Shocks, Struts, Custom Mag Wheels and Accessories, all in stock for immediate delivery.



CADILLAC WAREHOUSE
303 Hawthorn Street
Cadillac, MI 49601
(616) 775-6666

TROY DISTRIBUTION CENTER
1783 E. 14 Mile Road
Troy, MI 48083
(810) 589-9910

SOUTHFIELD WAREHOUSE
19240 West 8 Mile Road
Southfield, MI 48075
(810) 354-9910

OSBURN INDUSTRIES



CUSTOM TOP DRESSING BLENDS CUSTOM CONSTRUCTION BLENDS

Trap Sand

Best 530
Best 535

- Cart Path Stone & Slag
- Pea Pebble
- Parking Lot Stone

Call for details
(313) 292-4140
Ask for Tim

D&C DISTRIBUTORS, INC.

51000 Grand River, Wixom, MI 48393
810-349-7779 • 1-800-888-7779 • Fax 810-349-4670

**BIG ENOUGH TO SERVE YOU BETTER-
SMALL ENOUGH TO CARE**

Michigan's Largest Stocking Dealer for R&R PRODUCTS

QUALITY REPLACEMENT PARTS

Genuine Kohler • Jacobsen • Hahn-Westpoint
Cushman • Toro • Roseman • Ransomes
Mott • Ryan • Yazoo • Ford • Excel
National • Reel Sharpening Compound

New
Items!

**KOHLER
BRIGGS & STRATTON
MID-WEST RAKE**

**YOUR ONE STOP SHOP FOR YOUR SUPPLY ITEMS:
FLAGS - POLES - RAKES - CUPS - RICO MFG.**

Excellent Quality Personalized Tube Flags

WE ALSO HANDLE

A&B-SORBOL EMULSIFIER	HAND CLEANER	PLASTIC SIGNS	TEE TOWELS
BAYCO SUPPLIES	HOLE-IN-ONE PAINT	PLASTIC CHAIN	TIRE SEALANT
CLOVER LAPPING COMPOUND	HOSE • 3/4" & 1"	RAIN SUITS	TIRE
DEDDOS PARTS	KARCHER POWER WASHER	RED MAX EQUIPMENT	TIRE CHANGERS
DRIVING RANGE EQUIPMENT	LEWIS LINE SUPPLIES	ROPE & STAKES	TRIMMER LINE & HEADS
EARTHWAY SPREADERS	LIFT RAMP/WORK TABLE	ROTARY BLADE GRINDERS	WHITE CEDAR FURNITURE
FAIRWAY MARKERS	MARFAX .00 LUBRICANT	ROTARY BLADES	WOODEN RAKES
FOX VALLEY MARKING PAINT	PAR AIDE SUPPLIES	SIMPLEX GRINDING EQUIPMENT	

CALL US TOLL FREE - 800-888-7779

WE GUARANTEE WHAT WE SELL!

Their Approach
To Boosting Potash.

Our Approach
To Boosting Potash.



Improved disease tolerance. Enhanced drought resistance. And a complete, balanced feeding. In a homogeneous mixture to ensure uniform nutrient distribution. Country Club 8-4-24 simply outdistances the competition.

Country Club
8-4-24 

Distributed By:

Benham Chemical
(810) 474-7474

Turfgrass, Inc.
(810) 437-1427

KELLY, STEPHEN

CLASS D
Cattails Golf Club
57737 9 Mile Rd.
South Lyon 48178
H-(810) 437-6023
O-(810) 486-2695

KLEIN, JOSEPH B.

CLASS B
Indianwood Golf and
Country Club
1805 Indianwood Rd.
Lake Orion 48362
H-(810) 693-9007
O-(810) 693-3330

MC RAE, ALISON

CLASS D
Edgewood Country Club
30751 Beechwood #45301
Wixom 48393
H-(810) 624-7123
O-(810) 363-6661

MC GONIGAL, LARRY J.

(CYNTHIA)
CLASS F
Wolverine Golf Contractors,
Inc.
45240 Danbury Rd.
Canton 48188
H-(313) 981-2765
O-(313) 981-7818

SCHWEIHOFFER, BRIAN

CLASS D
Lochmoor Club
1018 Sunningdale
Grosse Pointe Woods 48236
H-(810) 412-6890
O-(313) 881-4212

SMILOWSKI, JERAMIE

CLASS S
MSU
1517 Crouch Rd.
Jackson 49201
H-(517) 784-7377



CALENDAR OF EVENTS

Michigan Arborist Association will hold seminars during January and February at the City of Southfield Civic Center. The schedule is as follows. For information, contact Michigan Arborist Association, 637 Brown Road, Orion, MI 48359, (810) 391-0030.

January 31

Vehicle Inspection, Operation & Maintenance

February 7

Insect Practical - Applicator Training
Lawrence Ehlers, Presenter

February 28

Disease Practical - Applicator Training
Charles Powell, Ph.D., Presenter

Michigan State University Extension in Genesee and Oakland counties will hold programs on implementing Intelligent Plant Management (IPM) for landscape plant materials. All programs will be held in Flint. To receive a copy of the program brochure, call the Oakland County Extension office at (810) 858-0887 or the Genesee County Extension office at (810) 732-1470, ext. 6.

February 2 - "Starting Right: Selecting, Installing and Maintaining Plant Materials"

February 9 - "Managing the Causes of Plant Problems"

February 13 - "Insects & IPM Strategies"



STOCK

ENVIRONMENT, LTD.

ENVIRONMENTAL AND SAFETY CONSULTANTS
helping companies who are frustrated over the
expense and confusion created by regulations.

*Problem identification, solutions design/implementation
and negotiations with regulatory agencies.*

- Project management, record keeping and training
- Air, water, waste related issues
- Responding to regulatory inspection deficiencies
- Underground Storage Tank (UST) concerns
- Site contamination problems
- Unexpected permitting issues
- Phase I property assessments
- M & A due diligence
- Prevention based regulation compliance process
- Computer based training and record keeping software

Detroit: (313) 921-0333 • Fax: (313) 921-4730
10900 Harper Avenue, Detroit MI 48213

Grand Rapids: (616) 285-1177 • Fax: (616) 285-0432

PATRICK J. STOCK • (313) 924-0111



TURFGRASS INC.

Serving you better with . . .

Technical information

Free timely delivery

. . . Quality products

Fertilizers The Andersons, Lebanon, Sustane,
Country Club, Nitroform, Nutralene,
Once, Peters,
Turfgrass Custom Blend

Chemicals Ciba-Geigy, W.A. Cleary, Chipco,
Roots, Daconil, Miles, NAIAD,
Monsanto, Dow-Elanco, Grace-Sierra,
Nor-Am, Riverdale, PanaSea, Miller,
Agri-Plex 4X Lawnplex, No-Mix, Regal
Chemical, Dimension, Sand-Aid,
Roundup, Dissolve

Seeds Medalist America Grass Seed,
Bloomcoat Wildflower Seed, Zajac
Confidence Seed

**Spreaders &
Sprayers** Cyclone, Spyker, Solo Back Pack,
Wheely, Spray-Hawk, Chem-Pro

Golf Supplies Par Aide, Standard, Fore-Par,
United Stockmen, Fox Valley,
Master of the Links

**Environmental
Equipment** Plia Pads,
Haz-Store Storage Buildings

Safety Equipment Mine Safety Equipment

Soil Management Grid System, TerraFlow, TerraBond,
TerraCover

Markers Richway, Blazon

Recycled Plastic Hammer's Recycled Plastics

1-810-437-1427

Office

1-800-521-8873

(Michigan Only)

Keith Richards
Dan Johanningsmeier
Gene Johanningsmeier
Doug Johanningsmeier
Richard Locke
Todd Griebe
Robert McNab
Darold Howard

***Dedicated to providing quality
products and services to the turf
and ornamental industries***



**United
Horticultural Supply,**

David Polen &
Howard Altman
Lansing Sales Office
16713 Industrial Pkwy.
Lansing, MI 48901



Steve Fent
Saginaw Sales Office
3515 Janes Street
Saginaw, MI 48605

**Customer Service - Toll Free
1-800-222-9963**

featuring  **TURFGO**
PROFESSIONAL TURF PRODUCTS

Working To Enhance Our World

on par **with the** president



I hope everyone had a wonderful and joyous holiday season, and I wish success to all as we start another year. As 1995 begins, I ask myself, what can I look forward to this year and more importantly or realistically, what can I hope for?"

First, I hope for good health for ourselves and family members. As we get older we realize how important it is to keep fit and in good health. In our demanding profession, keeping healthy is a must if we want to have the energy for all the required procedures and regulations necessary to maintain a quality product. Good health takes time and patience, but the results are worth it.

Next, I look forward to the two or three months of quality time we can enjoy with our families prior to opening day. With the tension in today's world and the attitude of the youth, it's so important to spend time with them and to offer the best guidance and advice we can possibly render.

Although the first months of '95 are for personal renewal, they also are a time for education. MSU and the Michigan Turf Foundation offer perfect opportunities to pick up new techniques or brush up on old ones that the years, perhaps, have erased from our minds. Along with the Michigan Turf Foundation Conference, some of us can enjoy the GCSAA Convention and Trade Show. Each year everyone is anxious to view the new turf products the industry has come up with to make our jobs easier.

I also look forward to the new projects that have been approved—projects that we always wanted to accomplish, but seemed unobtainable, such as the new green or tee that has been needed for so long, the irrigation system upgrade to provide the volumes of water to keep our turf healthy or renovations such as Katke-Cousins' new bunkers.

We always can hope that the weather in 1995 is perfect for the golfing world and the superintendents who grow and maintain the land that golfers seem to take for granted.

Looking back, as I was graduating from high school, I wondered what it would be like in the year 2000. I already had seen men land on the moon, TV, airplanes as big as buildings, automobiles transformed from ugly boxes to aerodynamic beauties and was impressed with the technology advances. Now in 1995 you almost can see around the corner to 2000, but what to expect? Hopefully, PEACE in the entire world, sunny skies and improved technologies to help us maintain our little piece of Earth to the best of our abilities.

Have a great vacation, and rest up for the new thoughts of the 1995 season.



Jay Delcamp

INTRODUCING NEW ADVANCED SPRAY-DRY DACONIL ULTREX™ FUNGICIDE



- Mixes fast, won't settle out and won't clog nozzles.
- Improved control of tough Brown patch plus equally exceptional control of 14 other major turf diseases and algal scum.
- Virtually dust-free, low-foaming formulation makes handling easier.
- Pours completely out of the bag, so there's no waste or need to rinse bags before disposal.

ISK BIOSCIENCES™

ISK Biosciences Corporation
Turf & Specialty Products Division
1523 Johnson Ferry Rd., Suite 250
Marietta, GA 30062

Always follow label directions carefully when using turf and ornamentals plant protection products.
™Trademark of ISK Biosciences Corporation.

MEMBERSHIP MEETING UPDATE

Report and photos by Tiffanie Howell

TUESDAY, OCTOBER 25, 1994

The new officers for MBCGCSA are:

Jay DelCampPresident
Carey MitchelsonVice President
Paul DushaneSecretary Treasurer

New Directors for 3 years:
Mark McKinley
Ed Hock

The winner of the Clarence Wolfrom Classic was Jim Hyde, second went to Jerry Prieskorn, third to Mark McKinley and fourth went to Dan Johanningsmeier.



Clem Wolfrom, Fritz McMullen and Jim Hyde. Jim shakes hands with Clem Wolfrom after winning Clarence Wolfrom Classic.



Paul Kolbe and Jim Hyde.



Tellers for the ballots were (L to R) Ward Swanson and Clem Wolfrom



*New Board Members:
 Front row: Paul Dushane, Mark McKinley, Jon Shrieve, Dave Picot; Second row: Ed Hock, Jay Delcamp, Ken DeBusscher, Carey Mitchelson; Third row: Roy Szyndlar and Paul Kolbe.*

Member Profile

The Grass Is Always Greener

by Katie Elsila

They say the grass is always greener on the other side of the fence. Rick Murphy, superintendent at Bay Pointe Golf Club and former accountant, has proven it's true.

"I had been at my accounting job for eight years and didn't know if this was something I wanted to do for the rest of my life," he says. Cathy and I had not had children yet. She was very understanding when I decided to take a summer off to explore other options."

Rick called his old elementary school buddy, superintendent Ken DeBusscher, Wabek Country Club, and shot him a lot of questions about the golf course business. Then he took Ken up on his offer to let him work as a general laborer at Wabek for the summer.

The long, hard days out on the course that summer did not discourage him, and by fall Rick was enrolled in the turfgrass program at Michigan State University. He attended school Monday through Friday for a year and a half. (Because he already had a college degree, some courses were waived.) "The course work was all new to me. I was surprised by how technical it was, but I loved it," he says. "I don't think the average person has any idea what superintendents must know in order to earn their degrees."

For income, Rick taught accounting courses at night and did per diem accounting work on weekends. Cathy worked until two weeks before the birth of the couple's first child. In 1988, Rick became assistant superintendent at Bay Pointe and accepted his current position in 1990.

What happened to all the years he had invested in accounting? "They weren't wasted," says Rick. "People think of accountants as bean counters, but actually their people skills are almost as important as their technical knowledge. An accountant has to ask a lot of questions and try to extract information that some may not be ready to give. Cultivating people skills has helped me a lot with this job, because the better you can communicate with different types of personalities, the better job you can do in this business."

Overall, Rick is happy he made the career change. "The bottom line is I like working outside, appreciate the natural beauty all around me and enjoy working as a team to get projects done."

Among those projects were: the installation of a new irrigation system and asphalt cart paths around the whole course, major reconstruction work on holes two and eight, building forward tees and extensive sea wall work. (An additional 500 feet of seawall work will begin this January.)

Now busy with their sons, Shawn, 9, Bradley, 6, and Jonathan, 3, Rick and Cathy don't play golf together as much as they used to, although Rick plays his course several times a month. He says his favorite hole is the sixth. "It's the driest hole on the course. We're a low golf course, but



Steel seawall installed by Kurt Muendelein, Assistant Superintendent, and Dave Hinkle.

the sixth hole is up in high ground and always looks nice, even after a downpour."

Like many superintendents, Rick didn't take a vacation last summer. But he and Cathy are looking forward to the GCSAA Convention in San Francisco and hope to catch up there with friends and colleagues in the MBCGCSA.



New PVC seawall installed behind #6 green.

New fertilizer and pesticide storage facility, includes mixing pad.



Clubhouse gardens at Bay Pointe.

MDA Regulation 637 IT'S THE LAW

We offer rinse/mixing, loading pads and safety equipment to meet every business need.

- Portable Pads
- Preformed Concrete Pad
- Chemical Storage Buildings
- Spill Recovery Supplies
- Safety Equipment

Compliance Concepts

24800 N. Industrial Drive
Farmington Hills, MI 48335

Phone: (810) 473-7050

Fax: (810) 474-3228

BENHAM CHEMICAL

More than a distributor ...

- Professional Sales Staff
- Technical Assistance
- Problem Diagnosis
- Manufacturer Support

Your partner in professional
turf management!

BENHAM CHEMICAL CORP.

24800 N. INDUSTRIAL
FARMINGTON HILLS
MICHIGAN 48335
(810) 474-7474

300 CASS AVE.
SAGINAW
MICHIGAN 48602
(517) 793-8210

IN MICHIGAN (800) 482-6520

Update Your Control System Without Damaging Any Turf

**Single Source
Control of Irrigation
Systems Saves You
Time & Money!**

**Two-Way Radio
Communication
Eliminates Expense of
Direct Communication Wire!**



Buckner® COPS Universal
(Computer Oriented Programming Systems)

**Run Everything,
Control Everything
From Your Office Desk**

EZ TO INSTALL

Cops works with any existing irrigation electric controller, regardless of make or manufacturer

- Operate up to 1500 stations with each of 99 different programs
- Group any field unit and station with any other station or field unit in a slave/master relationship in any order the system requires
- Program an infinite number of start times per station, each with its own independent run time
- Assign a unique valve designation to run independently from the rest of the program
- Program station run times from one minute to nine hours and fifty nine minutes in one-minute settings
- Operate manually, semi-automatically, or in a syringe program
- Control valves, lights, fountains, security or any device where a 24 volt relay can be used
- Use a hand held portable radio to turn stations on or off and program run times for those manual operations

Plus Many More Benefits!

Call Today For A Free Quote 1-800-347-4272



Computer Requirement

- 486 Personal Computer with PC-DOS or MS-DOS
- 1 MB RAM
- 80 MB Hard Disk Drive
- 3 1/2" or 5 1/4" Diskette Drive

Recommended

Phone modem with communication software, dot matrix or laser printer

GENTURY RAIN AID

The **SOIL RELIEVER** Deep Tine Aerifier



Built By **SOUTHERN GREEN**
*The People Who Know And
Understand Deep Tine Aerification.*

- The Ultimate in Deep
Compaction Relief of All Soils.
- A Deep Tine Aerifier Built
To Work On Most Any Tractor.



No special tractor needed. Will work on most any tractor.

WHY DEEP TINE AERIFY?

With the increased foot traffic on sports turf and golf course, comes a higher level of maintenance. More water and more equipment, along with the increased foot traffic results in deeper compacted soil.

Simply put, plant roots require oxygen to thrive and grow. By relieving compaction with the Soil Reliever, you will have a root system at the depth you aerify. With deep roots, you get more wear tolerances with less stress, therefore, a healthier turf grass. Any agronomist will tell you that the best weed control, fungus control, and disease control is a healthy turfgrass.

With deep tine aerification, you minimize water use by reducing surface water run-off.

With a healthier turfgrass along with reducing surface compaction, you will decrease sports fields injuries by 40-60%.

The Soil Reliever can do all of this without any harm to the environment.



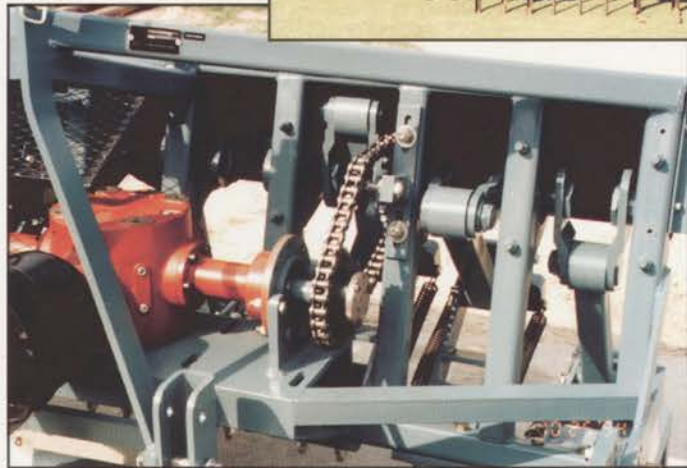
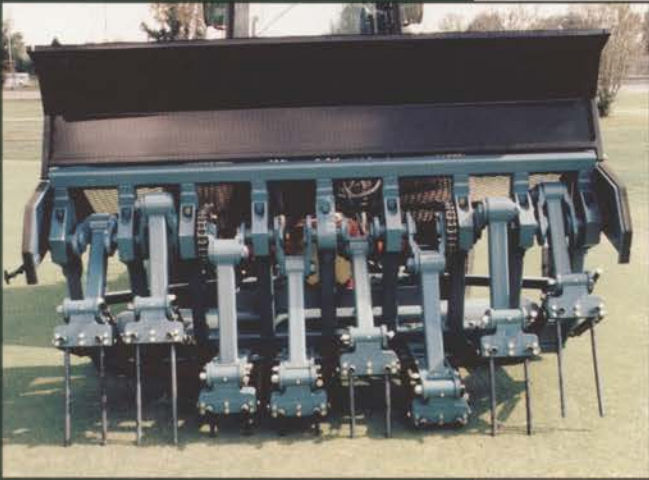
WITH THE SOIL RELIEVER YOU GET:

- A deep tine aerifier that will work on most tractors.
- High production.
- Fewer parts.
- Durability.
- Less maintenance.
- Fewer costly repairs.
- Even hole spacing.
- Operation visibility of all working parts.
- Easy operation.
- Less torque.
- Less Vibration.
- Anti-head flipping devices.
- Roller scraper.
- Storage stands.

Heavy duty construction. Built for strength and performance.

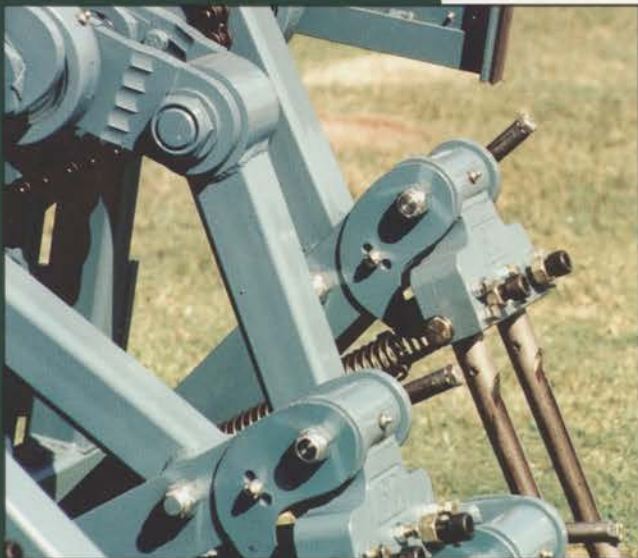
WHERE TO USE THE SOIL RELIEVER

- Sports Fields
 - Golf Courses
 - Parks & Playgrounds
 - Under Trees
 - Race Tracks
 - Sod Farms
- Anywhere Severe Soil Compaction Occurs



WE ARE FAST!

The Soil Reliever has two separate crankshafts, each half being driven from the center. This reduces torque, allowing the machine to turn faster. In other words, one crank drives the other. The longer the line, the greater the torque required to drive the far outside. By driving both directions we reduce power requirements and vibration.



HOW IT WORKS

As the tractor moves forward and the tines (being solid or coring) enter the soil at a perpendicular line, while the tractor p.t.o. is engaged, this creates a lifting effect by displacing the soil upward from the forward motion of the tractor while the tines are in the soil. This described effect relieves compaction of the soil at a depth of the tine penetration used.

The longer the tines are in the soil, the greater the lifting effect causing a more disruptive surface.

The Soil Reliever simply gets the tines in and out of the soil faster, minimizing the lifting action, and leaving a smoother surface.

The Soil Reliever's frame design adds leverage and places more weight at the tine heads. The Soil Reliever's crank design turns faster giving a bigger and faster "hammer" which results in more soil penetration.

We all know that the bigger the hammer, and harder the blow, the further you drive the nail.

The SOIL RELIEVER

Deep Tine Aerifier

SPECIFICATIONS

	MODEL 60	MODEL 80
Machine Weight	1930 lbs.	2575 lbs.
Working Width	60"	80"
Working Depth Maximum	16"	16"
Overall Dimensions-LXWXH	43" L, 66" W, 50" H	43" L, 88" W, 50" H
Tine Head Angle	Adjustable	Adjustable
Hole Spacing on Machine	3-1/3 to 5"	3-1/3 to 5"
Hole Spacing on Ground**	3" to 5"	3" to 5"
Square Foot Per Hour (Greens)	14,000	17,000
Fairway Acre Per Day @ 4" Spacing	4-Approximate	6-Approximate
@ 6" Spacing	6-Approximate	9-Approximate
Recommended Tractor Size	30 H.P. Minimum	45 H.P. Minimum
Recommended Tractor Speed @ 540 RPM	.90-1.4 MPH	.90-1.4 MPH
Actual Working Speed @ 400 PTO RPM	.60-.80 MPH	.60-.80 MPH
Working P.T.O. Speed	400-450 RPM	400-450 RPM
Lift and Drive System	3-Point Lift, P.T.O. Driven	3-Point Lift, P.T.O. Driven
Top Link	Manual, Hydraulic-Optional	Manual, Hydraulic-Optional

*may need creeper gear for 3-1/3" spacing.**

Warranty: The Soil Reliever has a 6 month warranty against any defective parts or workmanship.

OPTIONS AVAILABLE:

Core Collector
Hydraulic Top Link
Rear Roller
All Weather Cover

TINES AVAILABLE:

Solid	Coring
5/16" x 8"	5/8" x 7"
1/2" x 10"	3/4" x 7"
1/2" x 12"	3/4" x 10"
1/2" x 14"	1" x 10"
3/4" x 10"	1" x 12"
3/4" x 12"	1-1/4" x 8"
3/4" x 14"	1-1/4" x 12"
7/8" x 12"	1-3/8" x 12"

Distributed By: **COMMERCIAL TURF EQUIPMENT**
149 North Perry Street
Pontiac, MI 48342
(810) 858-7705

RENTALS AVAILABLE
GOLF COURSES
SPORTS FIELDS

MADE IN THE U.S.A.!



Core Collector



Hydraulic Top Cylinder



Storage Stand

SOUTHERN GREEN

21126 Plank Road
Zachary, LA 70791

Whenever you see or hear the term "pesticide" used in the media, it is usually accompanied by a word such as toxic or hazardous. As much as we know about science and chemicals, it is amazing how often we misuse the terminology describing it.

Say What You Mean!

by Tim Doppel

Let's talk for a moment about toxic versus hazard. Toxicity is a property of all chemical compounds. It can

be defined as the capacity of a compound to cause harm to a living organism. We **want** our herbicides to cause harm to weeds. We **want** insecticides to cause harm to injurious insects. Therefore, we **want** to have toxic materials in our tool box of control measures.

The difference is that we **do not** want products that are hazardous to human health. Hazard is the potential for an injury to occur. Driving a car, for example, is an extremely hazardous practice. The potential for serious bodily harm is very high every time you pull out onto the road. And smoking, has been shown to have a high potential for causing harm to your body. And yet, many people continue to smoke.

When you put all this together, you have an understanding of risk. Risk is the combination of the toxicity of the material and the hazard level of how it is being used. Even though driving a car is hazardous, you can lower your risk by doing things such as wearing your seat belts and not drinking and driving. Risks from the use of pesticides can be reduced, too. This can be accomplished very simply by using appropriate personal protective equipment. Even if you are using a relatively toxic material, if you are dressed appropriately for the application, it may not necessarily be a risky application. Concurrently, even if you are using a relatively low-toxicity product, but use it in an unsafe manner, you have created a real risk to yourself and those people in the area you are treating.

Of course, a lot of the concern over whether a material is hazardous or not is the result of science being better able to find smaller and smaller quantities. In 1950, for example, if a chemical was found in a concentration of less than one part per million, it was considered too small to measure. In 1960 that went down to one half part per million; in 1965 to one part per billion; in 1975 to one part per trillion; and in 1983 to one part per quadrillion. I can't even give you an analogy to tell you how small that is. And yet, laboratories routinely find quantities in this amount.

We now are finding particles that, 30 years ago, were simply not there. And, I'm sure that in a few more years we'll be finding even smaller quantities. Somebody has to decide when we will draw a line and say this is where we'll call it safe. Society needs to do a better job of deciding whether or not a product is a risk just because it is toxic and we can find it.

Some of that is up to you. When you are talking about these kinds of things with your colleagues or members of the Green Committee, be sure you are using the right terminology. If you are talking about your applications, don't use terms such as toxic or hazard. To many of us that sounds obvious, but you would be amazed how many people really do that. And, maybe even more importantly, don't allow anybody else to use the terms inappropriately. If they say toxic when they should say hazard, explain why. If someone is talking about those toxic pesticides that kill bugs, referring to insecticides, explain the difference in terminology to them.

It's only by using the terms of our trade in the correct context that we'll be able to better educate our public. And you can be a part of that too.



**DAVEY OFFERS
EVERY TREE CARE
SERVICE YOU'LL
EVER NEED.**

You know that mature trees add challenge as well as beauty. You also know mature trees are impossible to replace. Davey knows how to help protect these valuable assets from decline, lightning, storm damage, insects and disease.

Davey professionals will inventory your trees, evaluate the condition of each one, and give you a report prioritizing treatments. Over time, expert care from Davey will actually reduce your tree maintenance costs.

Keep your most valuable assets standing tall with the leader in tree care since 1880. Call Davey today at (810) 689-2200 (in Troy) or (313) 459-8690 (in Canton Twp.)

DAVEY 
TREE AND LAWN BEAUTY

GCSAA's CONFERENCE AND SHOW HEADS TO SAN FRANCISCO

An estimated 15,000 to 16,000 industry professionals are expected to attend the 66th International Golf Course Conference and Show, February 20-27, 1995, at the Moscone Center in San Francisco. The event, which is the largest in the golf course management industry, is hosted annually by the Golf Course Superintendents Association of America (GCSAA).

The week will include nearly 80 educational seminars, sessions and forums; a three-day trade show, which is expected to fill 190,000 square feet of the center; a gala banquet featuring the presentation of GCSAA's Old Tom Morris Award; the association's annual meeting and election of officers; and the 1995 GCSAA Golf Championship.

Conference week opens with the annual GCSAA Golf Championship, which will be played February 20-21 at five courses on the Monterey Peninsula. A field of up to 480 will compete for individual and chapter team honors in the national tournament. Beginning in 1995, GCSAA's golf championship will be presented in partnership with the Toro Company.

Many of the educational and professional development needs of golf course superintendents will be covered in the 60 one- and two-day seminars that will be offered during the first four days of the conference. Seminars will address issues ranging from environmental responsibilities to personal stress management.

Concurrent education sessions and special-interest forums are scheduled Feb 24-27. Half-day programs hosted by allied associations, including the American Society of Golf Course Architects, the American Zoysiagrass Association, the Golf Course Builders Association of America and the United States Golf Association Green

Section, round out the conference portion of the week.

Rocky Bleier, legendary running back for the Pittsburgh Steelers, will keynote the Opening Session on Thursday, February 23, at the San Francisco Marriott.

More than 650 companies that manufacture and distribute golf and turf industry products, supplies and services are expected to exhibit at the trade show, which will run February 25-27, at the Moscone Center. A record 671 exhibitors showcased their products and services during the 1994 show in Dallas.

A headline performance by recording artist Anne Murray will provide entertainment at the formal closing banquet on Monday, February 27.

A highlight of that gala evening will be the presentation of the Old Tom Morris Award, GCSAA's highest honor. This year's award will be presented to turf industry giant, Dr. James Watson. Previous recipients of the award include Arnold Palmer, Bob Hope, Patty Berg and Byron Nelson.

The 1994 conference and show in Dallas drew 15,386 people. More than 1,300 of those attending were international visitors and guests, representing more than 50 countries and territories outside the United States.

Since 1926, GCSAA has been the leading professional association for the men and women who manage and maintain golf facilities in the United States and worldwide. From its headquarters in Lawrence, Kansas, the association provides education, information and representation to more than 14,000 individual members from more than 50 countries. GCSAA's mission is to serve its members, advance their profession and enrich the quality of golf and its environment.



VALLEY TURF & RAINBIRD

Products to Match the Times

Introducing MAXI System V, the newest generation of advanced irrigation management systems, which focuses on new water-, labor- and energy-saving features, and also incorporates capabilities unique to previous MAXI systems. MAXI V has four new functions:



1. Multiple Pump Station

Management, for courses with more than one pumping station on line.

2. Branch and Zone Management, divides the system into designated branches and flow zones which determine capacity and ensures that the volume of water for each stays within an efficient operating range.

3. Rain Bucket, calculates the soil's current reservoir capacity and adjusts watering schedules accordingly.

4. QuickIIR/PostIRR, lets you build a starter set of schedules for each satellite and eliminates the need for numerous individual irrigation schedules.

For more information on the MAXI V or any Rainbird product, contact us at

3 LOCATIONS

KALKASKA

3385 VROOM RD.
SOUTH BROADMAN, MI 49680
(616) 369-3482
FAX (616) 369-3334

GRANDVILLE

3721 28TH STREET SW.
GRANDVILLE, MI 49418
(616) 532-2885
FAX (616) 532-5553

WALLED LAKE

2285 E. WEST MAPLE RD.
WALLED LAKE, MI 48390
(810) 960-1054
FAX (810) 960-9339

We thank you for a successful year and look forward to servicing your irrigation needs for many years to come. Thanks again! Bill, George & Randy



 **VALLEY TURF**
INCORPORATED
TURF AND IRRIGATION EQUIPMENT

As turfgrass and agricultural machines become increasingly complicated to repair and maintain, with sophisticated engines, hydraulics, electrical systems, power trains and computers, there is a growing need for highly trained personnel.

For the past several years, the Power and Turfgrass Equipment Technology Program, offered by the Michigan Turfgrass Foundation and the College of Agriculture and Natural Resources at Michigan State

Students learn not only equipment repair, but also equipment management. Students use one of the many equipment management computer programs to control parts inventories and keep track of maintenance records.

University, has successfully offered an innovative program to train certified power/turfgrass equipment technicians to meet this demand.

"The program began at the request of the Michigan Turfgrass Foundation in fall 1990. The foundation wanted to institute a two-fold program: (1) an off-campus program to help current golf course mechanics improve their skills and (2) an on-campus program to help students begin a career. The program was the first of its type to be offered in Michigan,"

Hydraulics are used extensively on turf equipment. Students learn about systems, component repairs, troubleshooting and maintenance.

POWER AND TURFGRASS EQUIPMENT TECHNOLOGY PROGRAM FILLS A GROWING NEED

said Frank Galbavi, program coordinator.

The off-campus program is held on a regional basis throughout Michigan. First priority is given to persons who are presently employed as mechanics or technicians or other personnel currently employed in the golf, landscape or lawn industry.

The on-campus program begins with six months of classroom and hands-on experiences. This is followed by an internship, after which students return to MSU for three more months of a combination of technical and management courses.

"Although the program is administered through the College of Agriculture and Natural Resources, many MBCGCSA members, equipment manufacturers and private businesses have contributed significantly to its success," said Galbavi, who may be reached at (517) 353-8850.



Reel maintenance is a very important part of turf equipment maintenance. Students learn how to grind, back lap and adjust reels.



Photos courtesy of Frank Galbavi

Chip. Haul. Dig.

Morbark Chippers



Clean up your site with a Morbark Chipper.

Mustang Skid Steer Loaders



Rely on Mustang versatility, with attachments to suit your job.

**AVAILABLE FOR
RENTAL OR
PURCHASE**

For a demo, call your nearest location.



DIVERSIFIED PRODUCTS DIV.	(810) 348-7810	SAGINAW BAY	(517) 752-7300
NOVI	(810) 349-4800	MACOMB	(810) 781-7100
GRAND RAPIDS	(616) 532-3635	KALAMAZOO	(616) 349-8600
KALKASKA	(616) 258-8265	AG PRODUCTS SALES CTR.	(517) 699-4800



Turf Chemicals Inc.

1011 E. Main
P.O. Box 451
Owosso, Michigan 48867
Phone: (517) 725-7145

FOR ALL OF YOUR FERTILIZER,
CHEMICAL AND GRASS SEED NEEDS

EXPERIENCED, DEPENDABLE

PEOPLE TO SERVE YOU

- Russ Hancock
- Lou Beckman
- Jay Siddock
- Ted Kasel
- Fred Miller
- Chris Fochtman

SPARTAN BRAND



YOUR FIRST CHOICE FOR OVER
60 YEARS....

FROM TEE TO GREEN

IMPROVED VARIETIES

RELIABILITY

SELECTION

TECHNICAL HELP

CALL 1-800-647-TURF
MICHIGAN STATE SEED CO.
717 N. CLINTON
GRAND LEDGE, MICHIGAN

COMMITTEE REPORT

Submitted by the Golf Committee

Committee Members: Roy Szyndlar, Fritz McMullen, John Skaife, Scott Ford, Mark Policht and Charlie Gaige

- October 19, 1993** **Annual Meeting at Maple Lane Golf Club**
• Clarence Wolfrom Classic Tournament
Winner: Dale Bauer-60 (Low Net Score)
- April 18, 1994** **Joint Meeting with Ontario GCSA at Point West, Ontario**
• Can-Am Challenge Cup - Canadians Have the Cup!
- May 20, 1994** **Special Olympics at Bald Mountain Golf Club**
• 4-Man Scramble
Winners: *Jay Delcamp*
 Gordon Nelson
 Tom Gill
 John Swidereck
- June 13, 1994** **Joint Meeting with Western Michigan GCSA**
• 2-Man Match Play Event
Rain Out
- July 18, 1994** **Heather Hills Golf Club**
• Scramble Event
Winners: *Paul Kolbe*
 Dr. Joe Vargas
 Jeff Akers
- August 15, 1994** **Great Oaks Country Club**
• Annual Golf Championship
Champion: *Mark Policht (2nd year in a row)*
 Gary Thommes
 Tim Barno
 Fritz McMullen
- 1st Flight:** *John Nowakowski*
 Steve Sump
 Tom Stark
 Ron Adams
- 2nd Flight:** *Dan Donohue*
 Ed Stesney
 Kurt Kraly
 Ray Manion
- September 26, 1994** **Moravian Hills Country Club**
• 2 Man Best Ball
Winners: *John Skaife*
 Mark Policht
- October 25, 1994** **Annual Meeting at Maple Lane Golf Club**
• Clarence Wolfrom Classic
Winner: *Jim Hyde-66 (Low Net Score)*



CONGRATULATIONS TO ALL THE WINNERS!!!

kate speaking

"Michigan and Border Cities. Kate speaking."

"Hi, Kate. Peter Miller here." "Well, I'm interested in taking the Superintendent Certification Exam. Wondered if you knew anything about that?"

"I'm assuming you have met the requirements to be considered an applicant."

"Oh, yes."

"Good. As a matter of fact, I recently spoke with Penny at GCSAA, who's in charge of certification of superintendents, and was informed that I, as Executive Secretary, am qualified to monitor that testing. Other people qualified to administer the test are clergy, counselors, teachers...professionals not associated with the golf industry."

"Why not associated with the golf industry?"

"Well, for instance...another superintendent would possess the necessary knowledge and

might be prone to assist you in taking the exam."

"I suppose that disqualifies my former professor at MSU."

"Actually, no. He would qualify, because he's a teacher and could be objective regarding test giving. Of course, testing also is offered at the national convention every year. So, would you like me to monitor the test?"

"Sure! So, what do we do?"

"Well, you, as the applicant, should contact national and tell them you wish to take the exam with me as monitor. They'll send the test to me, and you can come to my office (home) in Troy, where I'll monitor the testing and return the completed exam to GCSAA."

"Sounds great!"

"You'll hear from me when I receive the exam. We'll set up a time then."

"Okay. Thanks, Kate."

"Anytime, Pete."

A Commitment to Quality Turf Care Products For You - The Turf Care Professional



Your Tee Time Distributor Offers You:

- Greens and Fairway Fertilizers with Nutralene®
- Quality Sulfur Coated Urea Fertilizer
- Combination Products
- Granular Insecticides
- Granular Fungicides

Distributed by:

Turfgrass, Inc.
28064 Pontiac Trail
South Lyon, MI 48178

(810) 437-1427
1-800-521-TURF (MI only)

The Andersons

Lawn Fertilizer Group
P.O. Box 119
Maumee, Ohio 43537

VITAL PRODUCTS IN '95

Hunter Industries has announced the availability of the **G-700 Series**, a rugged new group of golf rotors with the proven Hunter gear-driven system and a radius range from 76' to 100'.

The G-700 Series is available as both a full-circle and adjustable-arc, part-circle sprinkler. The part-circle model can be varied from 40 to 360 degrees. Both models are offered in check-o-matic, hydraulic and electric valve-in-head configurations.



The G-700 features the industry's first Pure Flow contamination-resistant valve system for reliable performance in dirty water conditions. Convenient through-the-top access also means easier servicing of screen and valve assemblies.

Five interchangeable nozzles are available to vary the G-700's discharge rate from 33.3 to 76.1 GPM. A patented Pressure Port nozzling system ensures efficient water distribution across the entire radius range. A 3-inch pop-up clears turf and prevents excessive wet spots around the head.

The G-700 has a heavy-duty, impact-resistant body with extra-thick flange to minimize damage from power equipment. The flange also has a built-in recess for yardage markers.

Like all Hunter Golf rotors, the G-700 Series has a five-year, non-prorated exchange warranty.

For more information, contact your local Hunter Golf distributor in Michigan:

Century Rain Aid, Ann Arbor, 2461 S. Industrial Hwy., 313-668-1020; Grand Rapids, 4620 40th St. SE, 616-954-0660; Livonia, 12780 Currie Ct., 313-462-4050; Madison Heights, 31691 Dequindre Ave., 810-588-2990; Southfield, 22159 Telegraph Rd., 810-358-2994; Washington, 57695 Van Dyke, 810-781-3600.

Chemical Storage Buildings

Add a storage building over your preformed mix loading pad! This building will allow you to separate and store your chemicals over a containment pad for protection in the event of a leak.

By removing chemicals from the area where you store equipment, you reduce fire risk and increase the chances of saving your equipment in the event of a fire. We are able to custom design a building incorporating a concrete pad to meet your individual storage requirements.



Compliance Concepts, 24800 N. Industrial Dr., Farmington Hills, MI 48335 (810) 473-7050 • fax: (810) 474-3228

Toss New Chipco® Sevin® WSP In Water And Watch Some Of Your Toughest Pest Problems Begin To Dissolve



RHONE POULENC AG COMPANY

CONTACT

BOB DUGAN
CHIPCO TURF & ORNAMENTAL SPECIALIST

P.O. BOX 74398 • ROMULUS, MI
48174-0398

(313) 782-0323
Fax: (313) 782-6344

AMERICAN MARINE

Shore Control

BRIDGES • DAMS • BOARDWALKS
SEAWALLS — Steel • Wood
PVC C LOC
Boulders

Complete Jobs or Products Only
FREE QUOTES - (810) 887-7855

POND DREDGING SPECIALIST

Off Road Trucking
Wide Track Bulldozing
Shore Line & Land Development
Grading



SWEETCO INC.

27405 Henry Rd.
South Lyon, Michigan 48178

810-437-1830



ADVERTISERS' directory

American Marine	20
Andersons	18
Benham Chemical	9
Commercial Turf	Insert
Compliance Concepts	9
Century Rain	10
Davey Tree	11
D & C Distributors	2
Green and Grow	20
ISK Biosciences	6
Lebanon	2
Michigan Cat	16
Michigan State Seed	16
Osburn Ind.	2
Rhone Poulenc	19
Scotts Proturf	20
Spartan Distributors	15
Stock Environment	4
Sweetco	20
TCI	16
Tire Wholesalers	2
Turfgrass	4
Unilock	IBC
United Horticulture	4
Valley Turf	13
Weingartz	IFC
W.F. Miller	BC

Scotts FF-II is your first line defense against winter diseases

In university testing Scotts FF-II has consistently outperformed all other PCNB products. In one convenient application, FF-II controls pink and gray snowmold, cool season brown patch, leaf spot, dollar spot, stripe smut and rust while providing a dormant feeding of 14-3-3 fertilizer for early spring green-up.

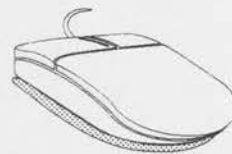


Ask your ProTurf® Tech Rep for details.
JOHN SKAIFE Senior Technical Representative
The O.M. Scott & Sons Company
Professional Business Group
9120 Sandison Drive
White Lake, MI 48386
Tel (810) 698-2358

or 1-800-543-0006 today.

COMPUTER ASSISTANCE

- Hardware
- DOS and Windows
- Application Software
- Training
- Turf Management Software
- Troubleshooting



MIKE PLAGUE (810) 979-3222

Retaining Walls by

UNILOCK[®]

*the Statement
in Stone*



The Retaining Wall Systems with Unduplicated Style and Beauty

Discover the unique style, versatility and beauty of Unilock[®] retaining wall systems.

Exclusively manufactured by Unilock[®] Pisa Stone, Pisa II and Slope Block Mark IV. They add beauty and provide long lasting durability in a way other retaining wall materials could never duplicate.



Use Unilock[®] retaining wall systems to create curved walls, straight walls, 90° corners, planters and steps. The applications are virtually unlimited. Unilock[®] also manufactures a complete line of concrete paving stones and curbs.



Write or call today for complete information, samples and specifications.

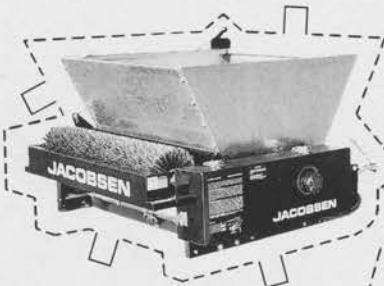
UNILOCK[®] MICHIGAN, INC.

12591 Emerson Drive • Brighton, MI 48116

1-800-336-4056

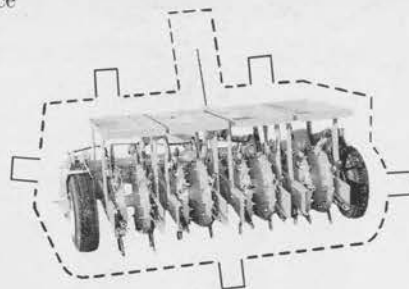
Jacobsen's masterpiece of versatility.

The 2000 Series Utility Trucks are tough, dependable vehicles in your choice of gas or diesel models. A wide selection of available attachments allows you to perform virtually all your turf maintenance chores with a single vehicle.



Dress for success.

For consistent, even top dressing of greens and tees, our unit features quiet, smooth operating hydraulic drive. The 31.5" swath and an 11.5 ft³ capacity let you cover a lot of ground between refills.



Keep plugging away . . . with our pull-behind, 48" aerator or mounted, three-drum, 42" unit, to revitalize turf quickly and easily.

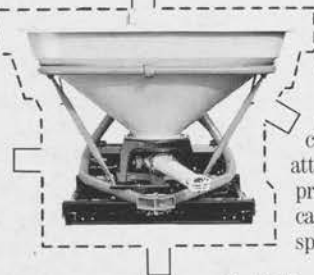
Spread your wings and fly . . . with our high-capacity sprayer. A variety of boom sizes and accessories are available, so you can spray tees, fairways and other large turf areas with maximum efficiency.



There's also Express delivery.

Select our 810 Express™ for half ton, 12.2 ft³ capacity in a quiet, reliable utility truck. Unit features heavy-duty suspension and rugged, solid steel body for longer life.

To take a closer look at the 810 Express, or our larger capacity quick-change artists, ask your Jacobsen dealer for a complete demonstration.



Growth opportunities.

For even greater versatility, add our universal mounting kit which enables quick change-out of many leading manufacturers' attachments, like this precision broadcast, high-volume spreader.

Put it there . . . quickly and effortlessly with our 16.6 ft³ dump box. It comes complete with cargo tie-down, double-hinged tailgate and heavy-duty hydraulic lift—standard on our diesel truck.



THE PROFESSIONAL'S CHOICE ON TURF.

**JACOBSEN
TEXTRON**

Jacobsen Division of Textron, Inc.

**QUICK-CHANGE
ARTIST.**

J-2-3



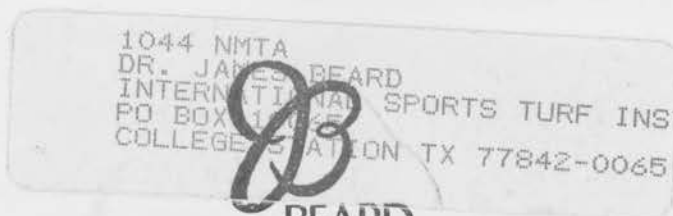
25125 TRANS-X, NOVI, MI 48376-0605

(810) 349-4100 FAX (810) 349-0406

A PATCH OF GREEN

30700 Telegraph Rd.
Suite 1401
Bingham Farms, MI
48025-4531

The Official Publication of the
Michigan and Border Cities Golf
Course Superintendents Association



BULK RATE
U.S. POSTAGE
PAID
PERMIT #2
DETROIT, MI