

1993 Board of Directors

President	Timothy Kelly (Linda) Vill. Links of Glen Ellyn	Home: 858-8174 Office: 469-2077
Vice-Pres.	Alan Fierst Oak Park C.C.	Home: 456-7815 Office: 453-7525
Sect'y.-Treas.	Joel Purpur (Debbie) River Forest C.C.	Home: 832-6763 Office: 782-4259
Exec. Sec.	Penny Meyer (Dave) MAGCS (Mailing Address) P. O. Box 248, Eola, IL 60519	Office: 820-8181
Board	Michael Bavier Inverness G.C.	Home: 382-7654 Office: 358-7030
	David Blomquist Naperville C.C.	Home: 462-3922 Office: 355-9807
	Ed Braunsky (Sue) Geneva Golf Club	Home: 879-8536 Office: 232-0627
	Donald Cross (Cindy) Skokie C.C.	Home: 965-3435 Office: 835-4296
	Kevin Czerkies Sportsman C.C.	Home: 949-7074 Office: 291-2352
	Kerry Blatteau Oak Brook Hills C.C.	Home: 848-4047 Office: 323-7633
Pres. Emeritus	Ray Schmitz (Jan) Flossmoor C.C.	Home: (815) 469-2773 Office: 798-2498

Official Photographer Raymond Schmitz & John Meyer

Dr. Randy T. Kane, Turfgrass Advisor (708) 954-2753
University of Illinois & CDGA

ECKHOFF AWARD

For Excellence In Golf Journalism



We are not copyrighted and would like to share our articles with any who would like to use them, but please give the author and "The Bull Sheet" credit.

Editor —

Fred D. Opperman, CGCS
810 Greenwood Avenue
Carpentersville, IL 60110
Phone (708) 428-5009

Fax (708) 854-1497

Bull Sheet printed by Ever-Redi Printing, 5100 East Ave.,
Countryside, IL 60525.

The **Bull Sheet** is published once a month. All articles are required by the 10th of the month to make the next issue. Advertising is sold by the column inch, by the quarter page, half page, and by the full page. All artwork to be finished and in black and white. Circulation is over 675 issues per month.

President's Message



by Timothy Kelly

It is a great honor to be elected President of the Midwest Association of Golf Course Superintendents. I am proud to be a Golf Course Superintendent, and a member of a great Association, the MAGCS. I am proud to have been chosen to lead and serve the MAGCS. I am willing to accept this responsibility. There are challenges ahead, but with the assistance of the MAGCS Board and Membership, I will be eager to meet these challenges. Our Association is ready to continue its growth and development. The MAGCS exists to provide **SERVICE** to the Membership, the ultimate goal of the Association! The MAGCS already provides many services: **The Bull Sheet**, educational programs, employment services, video tape library, MAGCS merchandise, golfing events, and plenty of fellowship and hospitality. The MAGCS is capable of improving services, and providing new services. To be able to do this, I and the MAGCS Board need to receive input and feedback from our fellow members.

After each MAGCS annual meeting, there is a change within the Board of Directors. A great leader of the MAGCS retired from the Board, Bruce R. Williams. All of us realize the great impact Bruce has made during his years as a member of the Board, and his two term Presidency. Bruce continues to excel as a leader of our National Association, the GCSAA. We all wish Bruce continued success, as he works on the national scene as a GCSAA Director.

Our new Past President, Ray Schmitz has provided excellent leadership during his tenure as a member of the Board, and during his just completed term as President. Due to Ray's leadership our Association continued to improve, and is in excellent financial shape. Ray will remain another year to provide his valuable guidance as President Emeritus.

I want to thank the 21 MAGCS members who attended the meeting on November 4th regarding the GCSAA proposed By-Laws changes. I also want to thank Bruce R. Williams for the excellent presentation he provided that evening. An interesting discussion, with questions and answers, followed the presentation. Our GCSAA President, William R. Roberts was also in attendance that evening. I certainly would have liked a much larger number of our GCSAA voting members present. Our current GCSAA voting strength is approximately 300. At this meeting only 7% of our voting members were present that night. These are extremely important issues, and proposed By-Laws changes. All voting GCSAA members of the MAGCS must be sure to be involved in our local poll to be held in the near future. The MAGCS Board is going to send a ballot to every GCSAA voting member of MAGCS, regarding all proposed By-Law changes. I hope that our participation level is 100%. Please stay tuned for further detailed information regarding how the voting will be accomplished, and how the MAGCS Voting Delegates will act upon this poll. Every member's individual voice will be heard, each vote will be counted!

Director's Column



A. T. Fierst, MAGCS Vice President

Newly elected MAGCS President Tim Kelly, in his opening remarks, alluded to an early December poll of the MAGCS membership regarding the GCSAA by-laws issues and proposals. The demand for this poll was born as a result of discussions during some planning meetings held by last year's Executive Committee of the MAGCS. It became very apparent during these late summer MAGCS Executive Committee meetings that these GCSAA by-laws issues were far too volatile to be dealt with casually. Numerous details and GCSAA by-laws questions were being handled about at that time, and there was little clarity in defining the details of the proposals. The consensus was to sponsor a November "forum" to clarify and define the GCSAA by-laws proposals. It also became evident that there was the need to somehow accurately and correctly communicate the decisions of the individual MAGCS members, via the Midwest voting delegates, to the annual meeting at the GCSAA Conference in Anaheim.

The desire to accurately accomplish that task best serves the individual MAGCS/GCSAA member. The poll, in effect, is the only way in which the personal, individual wishes of each voting GCSAA member is transmitted to the voting booth at the GCSAA Anaheim convention. The poll shall also serve to remove, for these by-laws proposals and issues, the politics and hazards of misguided influence at the caucus and in other arenas of association dealings. The MAGCS delegates shall, at the direction of the MAGCS poll, vote directly in accordance with the results of the poll and shall not be influenced in any other way.

The MAGCS members who are AA, A, or B members of GCSAA will be given the opportunity to vote on the individual by-law issues via a mailed response poll in early December. These results will be tabulated in early January by a committee chaired by MAGCS Past President Raymond M. Schmitz. The results of the committee's tabulation shall then be communicated to MAGCS voting delegate Roger A. Stewart at the conference in Anaheim, He, as the MAGCS Voting Delegate, will cast the responses accordingly.

So ... Do some advance reading of the proposals, and ponder the GCSAA by-laws issues. The poll shall be a simple, anonymous ballot, listing only the subject of the individual by-laws proposal with a yes or no response. It's up to you, the individual MAGCS/GCSAA member, to have at least some working knowledge of the particular by-laws proposals. And it's up to you, the individual, to vote accordingly and respond promptly.

Look for this poll to be in your mailboxes in early December. And do respond quickly and thoughtfully! It's the only way to insure, point by point, that YOUR personal choice for these by-laws changes is accurately and singularly counted. This is essentially the only way for the individual Association member to send his or her specific message to the annual meeting in Anaheim. Indicate your specific choices for each of the GCSAA by-laws proposals and return the ballot as soon as possible. We want everyone's vote to be heard ...

Not that it matters, but ... GCSAA President William R. Roberts and GCSAA Past President Dennis D. Lyon inform me that the Midwest Association is unique and forward in this approach to the vote for by-laws issues. It is their individual and collective feeling that more chapters should be as interested as we.

Special committee meets on Environmental Management Program for superintendents

LAWRENCE, Kan., Oct. 23, 1992 — A special resource committee formed to look at continuing education opportunities for superintendents on environmental management topics met last week at the Golf Course Superintendents Association of America (GCSAA) headquarters here.

The Golf Course Development Resource Committee discussed tentative educational courses which might comprise the Golf Course Development specialization of GCSAA's Environmental Management Program (EMP).

Participants included Dr. Pat Cobb, entomologist, Auburn University; Geoffrey Cornish, golf course architect, Amherst, Mass.; Rick Elyea, national accounts manager, New Construction, O.M. Scotts, Marysville, Ohio; George Frye, director of golf course maintenance, Kiawah Island Golf Resort, Charleston, S.C.; Tim Hiers, golf course superintendent, John's Island Club, Vero Beach, Fla.; Tom Kelsch, Wetlands Division, U.S. Environmental Protection Agency, Washington, D.C.; and Bob Stephens, U.S. Army Corps of Engineers, Kansas City, Mo.

Because the environmental impact of golf course maintenance practices has attracted increasing scrutiny from the general public and government regulatory agencies, GCSAA has assumed the golf industry's environmental leadership role. The EMP is just one of GCSAA's responses to the environmental management challenge.

GCSAA's EMP consists of six distinct specializations: Underground Storage Tanks, Golf Course Development, Integrated Plant Management, Employee Safety and Right-To-Know, Water Quality and Application, and Storage Disposal and Recycling.

Golf course superintendents may choose to complete one or more of these specializations, each of which is composed of a series of relevant course work. The superintendent who successfully completes the required course work in a specialization receives a certificate from GCSAA and is listed in the *Directory of Environmental Specialists in Golf Course Management*.



HYDRO-SEEDING
HYDRO-MULCHING

610 W. Liberty St.
Wauconda, IL 60084

Bus (708) 526-4574
Fax (708) 526-4580

ACCURATE TANK TESTING

Warrenville, Illinois

- Underground Tank Testing Without Filling Your Tank
- All Tank Upgrades

Certified • Registered • Insured

Underground tank testing to assure you're not leaking
for: Insurance, Real Estate, or Regulatory needs.

Steve Berning
(708) 393-1998
(800) 773-TANK

BOJO TURF SUPPLY CO.

ALL MAJOR TURF SUPPLIES



*Our 22nd
Year*

- Naiad & AquaGro
- Chemicals
- FMC Sprayers
- Fertilizers
- Tee & Green Items
- Shop Supplies
- Seed & Terra Green
- Plant Marvel
- Safety Equipment
- Marker Paint & Ice Melt

24356 Harvest Hills Road
Frankfort, IL 60423 1-800-732-9401



800 West Irving Park Road
Roselle, Illinois 60193

(708) 529-2502

**CLAUSS
BROTHERS, Inc.**

GOLF COURSE
CONSTRUCTION AND RENOVATION
LARGE TREE MOVING

On the Waterfront

by Jim Reed

I know that the season is almost over when I can sit down at my word processor ten days before Fred Oppermans article due date and take my time in copying this article. There is enough information left to be written on from the Keller-Bleisner Engineering study on "Designing, Operating, and Maintaining Piping Systems Using PVC Fittings" that you can continue to be entertained by this report until spring. By the time you are ready to start up your systems in April, the last section on "Precautions in Winterizing the System" will be in the **Bullshead** and you can figure out if you screwed up when you blew out the irrigation in the fall. This month's article is on "The Effects of Management on Pressure Surges".

As discussed earlier, given the flexibility of operation available with today's sophisticated irrigation controllers, all possible conditions cannot be foreseen at the design stage. Therefore, considerable care in management of the system is required. The magnitude of flow variations, and thereby velocity variations and potential pressure surges, of a typical golf course is depicted (on a chart — not included), showing the frequent and dramatic changes in flow demand at the pump ... With the shorter set times and repeated irrigations per set, the number of potential surges during the course of an operating season can exceed 40,000 mentioned earlier. The stress placed on irrigation systems by such fluctuations can reduce significantly the life of the system components, especially if the magnitude of the fluctuations is great and the pressure limit of the components is approached ... It is not uncommon to have flow velocities in given pipe segments vary from zero to over 8 feet per second at 2 to 4 minute intervals unless the operating stations are carefully configured to balance flows.

To limit the magnitude and frequency of pressure surges, system operators should use the following guidelines:

1. Operate the system to maintain pump flowrate as uniformly as possible. This will not only reduce hydraulic transient problems but will increase the life of the pumping unit.

2. Attempt to balance system flows so the sprinkler set changes are systematic within system subunits. Avoid changing from one main area of the system and back again in the operating program. Maintain subunit flows uniformly, if possible.

3. Run fewer sets for longer times. Hydraulically, it is easier on the system to run a given set as long as possible, provided runoff does not occur, or the moisture holding capacity of the soil is not exceeded. This will allow for fewer sets and, therefore, fewer opportunities for surges to occur.

4. Avoid operating too many sprinklers in one area of the system and elevating the operating velocities. Use the design guidelines to govern the number of sprinklers that may operate simultaneously on a given pipe segment or loop.

(Though not part of this report, design guidelines of 5 feet per second would show that 2" pipe can carry flows of 50-60 gpm, 2½" pipe — 80-90 gpm, 3" pipe — 120-130 gpm, and 4" pipe — 200-220 gpm.)

Next month: "The Dangers of Entrapped Air"



BEFCO

BEFCO CYCLONE FLEX FOLDING FINISHING MOWERS

THE IDEAL MACHINE FOR MOWING ROUGHS AND LEAF MULCHING



- * FRAME IS EXPANDABLE TO ACCOMMODATE LARGER DECKS
- * TELESCOPING WINGS THAT ALLOW FOR ADJUSTABLE CUTTING WIDTH
- * EACH DECK IS FREE FLOATING WITH 4 WHEELS TO EACH DECK
- * THE CYCLONE FLEX OFFERS SAFETY LOCKS FOR LOCAL TRANSPORT, A JACK STAND FOR EASY HOOKUP AND 3 SINGLE ACTION HYDRAULIC CYLINDERS
- * CONSTRUCTED OF HIGH QUALITY COMPONENTS AND ENGINEERED FOR STRENGTH IN PROFESSIONAL USE



ROSEMAN TRACTOR EQUIPMENT COMPANY
2620 Crawford Ave. Evanston, IL 60201
(708) 864-1842



HENDRICKSEN the CARE of TREES

Since 1946

As golf course professionals,
you understand turf main-
tenance procedures.

As certified arborists, we
understand tree and shrub
maintenance procedures.



19

Let's combine our talents to provide the best possible recreational experience for your clients.

2371 South Foster Avenue • Wheeling, IL
708-394-4220

Introducing DIMENSION[®] turf herbicide.

The toughest
thing to emerge
since crabgrass.



● Dimension[®] controls crabgrass all season long with just one application.

● Effectively controls or suppresses a variety of other weeds and grasses including goosegrass, spurge and oxalis.

● Provides excellent turfgrass safety. Find out how

Dimension can help you overcome your toughest weed challenges.



● Preemergence and early postemergence crabgrass control in one product gives you unprecedented flexibility during your busy spring season.

DIMENSION[®] Turf Herbicide

Contact:

Call Us Today For Pricing!
LAKE-COOK SPECIALTY PRODUCTS
(A Division of Lake-Cook Farm Supply Co.)

Wauconda
27310 W. Case Rd.
(708) 526-0007



Tinley Park
6730 South St.
(708) 532-4723

*Based on a single application. ALWAYS READ AND FOLLOW LABEL DIRECTIONS FOR DIMENSION TURF HERBICIDE. Dimension[®] is a registered trademark of Monsanto Company. © Monsanto 1991 157-91-69

So ... you say you need some:

- Trees
- Custom Transplanting
Spade sizes: 30-50-65-80-90"
- Winch Truck/B&B 90-130" Balls
- Bucket Truck — You Can Rent
- Woodace Tree & Shrub Fertilizer
- Shredded Bark Mulch
- Tree Anchors & Cable
- TREGATOR — The slow efficient way to water trees.
- Tree Wrap — It will help prevent deer damage and frost cracks



- Speciman Landscape Material
- Custom digging
- Transplanting
- Nursery Fertilizers
- Fred Opperman, Sales Manager

1220 Armstrong St. • Algonquin, IL 60102 • 708-854-1495 • FAX 708-854-1497

How to Stay Financially Sober During the Holidays

by F. Bill Billimoria, MBA, CPA, CFP

In these tough times, the holiday season can be a financially difficult time of the year. People are uneasy about the threat of layoffs, reduction in wages or hours, bankruptcies, weak investment returns, and general belt tightening. They are reluctant to spend too much on holiday gifts — yet there is a very strong temptation to spend heavily anyway. Nobody wants to disappoint their children, relatives and friends. However, by carefully following a holiday budget, you can still enjoy the holidays without paying those staggering credit card bills in January.

Budget. Just as you budget your family income and expenses during the rest of the year, budget for the holidays. Decide the total amount you can realistically afford to spend, and stick to it. You may feel like Scrooge, but you are the one who has to pay the holiday bills, not the recipient of the gifts. Most people understand that these are tough times. If you think you'll need to cut back on what you normally spend on your children, talk to them about it in advance. Children are more understanding and resilient than you might believe.

Make a List. List everyone you want to buy gifts for and what you want to buy them. Now look at the budget you prepared. Can you afford to buy something for everyone? If not, you may have to drop more distant relatives or friends from the list. If you exchange gifts with your spouse, or buy mutual gifts, consider waiting until next year when you can afford it, or substitute a less expensive gift such as a dinner out or a quiet evening at home without the children. Concentrate instead on your children or others who are especially close.

Stick to the List. Just as you should never go grocery shopping on an empty stomach without a food list, never gift shop without a list of ideas and the amount you want to spend on each person. This reduces emotional impulse buying, or that temptation to top what you bought last year for Aunt Mary, or to outdo someone else buying for that same person. Take extra time to compare prices or find the best sales.

Leave the credit cards at home. Take your gift list cash. Leave the credit cards at home. Nothing is more tempting during the holidays than to overspend your budget by charging gifts or taking out cash advances to buy them. Yes, it is fun being Santa Claus, but come January, you will find yourself paying hefty interest charges, and the last thing you need is more financial stress.

Be creative. Make some gifts such as baked goods, or crafts, or look for inexpensive but innovative ways to spread holiday cheer. A gift of joy during the holidays is not proportional to the amount on the price tag.

Save for next year. It is too late for this year, but start to save early next year for the holidays. Put away some money each month in a special fund, so that the holidays can indeed be a time of festivity and joy instead of financial trauma.

Early New Year's Resolution. Make a resolution in December not to spend money you do not have, on people you do not like, for gifts they will not use anyway. If you stick to it, you can be sure you will avoid a financial hangover in January.

MILLCREEK TOP DRESSERS

**An Easy Way to Dispose
of Grass Clippings...
And Save Money**



In one easy step, eliminate costly dumping fees and improve the rough by spreading grass clippings still enriched with precious fertilizer. Millcreek's Top Dressers are equipped with an adjustable undershot poly brush designed to evenly distribute top dressing from three to ten feet wide.

The spreading uses of these Top Dressers are endless:

- Fertilizer
- Sand
- Top Dressing
- Grass Clippings
- Seed
- Compost

Models are available with PTO or Engine Drive.

For More Information, please contact:

Avery Harris

LEWIS EQUIPMENT

(708) 537-6110

55 East Palatine Road
Prospect Heights, IL 60070
FAX (708) 537-5736

Distributor of:
MILLCREEK
TURF PRODUCTS



Irrigation Engineering Co.

...SOUND ENGINEERING and QUALITY MATERIALS

Your Exclusive

Weather  **matic.**
LAWN AND TURF IRRIGATION

Distributor



2612 S. 9TH AVE. • BROADVIEW, IL 60153
(708) 450-1400

J.W. TURF, INC.
14N 937 Rte. 20 & 47
HAMPSHIRE, IL. 60140
(708) 683-9016



Leadership
you can
count on



Quality Serviceability Dependability

These are the answers
to the question;
"Why buy John Deere"



The John Deere 1200 Bunker and field Rake debunks the theory that you need an all wheel drive hydrostatic drive machine to deliver the kind of pulling power it takes to work well.
' SEEING IS BELIEVING '



**TDS 2150
TOPDRESSING SAND**

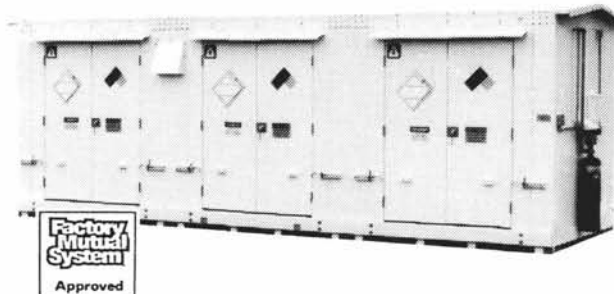
USA Sieve	MM	%Retained
20	.84	.0
30	.60	.7
40	.42	6.9
50	.30	27.3
60	.25	23.2
70	.21	24.5
100	.15	17.0
140	.10	.4
200	.07	.0
270	.05	.0
PAN		

Lake Shore Sand

P.O. Box 1213
Milwaukee, Wisconsin 53201
(414) 271-0625

**Wisconsin's
Largest
Topdressing
Sand
Supplier**

RESPONSIBLE PESTICIDE STORAGE



It doesn't matter how careful you are. Spills happen. But it doesn't have to be that way. The Environmental Products Containment System lets you limit your risk while providing spill accountability.

These Factory Mutual approved systems provide security, safety, and secondary containment. Available in both fire rated and non-fire rated construction. Store your hazardous materials in confidence.

Environmental Products in Orrville, Ohio is equipped to ship customized storage buildings on short notice.

Call us for information and pricing on a system that meets your individual requirements.



**Environmental
Products, Inc.™**

P.O. Box 900 • 169 South Main Street • Orrville, Ohio 44667-0900
216-683-0880 • Fax: 216-684-1190

Supplying the Chicagoland area with excellent service and technical expertise for over 23 years...

We deliver...



- Aquatic Products
- Block Retaining Wall
- Bulk Fertilizer
- Drain Tile
- Fertilizers
- Geotextile Fabrics
- Grass Seed
- Herbicides
- Hose
- Insecticides
- Irrigation Parts
- Marking Paint
- Specialized Pesticides
- Spreaders
- Spray Equipment
- Tee and Green Equipment
- Terra Shield Green Cover
- Tree Fertilizer

2N 255 County Farm Road, West Chicago, IL 60185

708-668-5537

What Is Happening?

by David Meyer
Past President, MAGCS



Is the GCSAA trying to become — the USGA, PGA, CMAA, NGF, Sod Growers, and on and on. It appears that way to me.

All of a sudden, our Headquarters building, just a year old, is being expanded by \$1.5 million to accommodate this sudden growth that the general membership is not even aware of, yet expected to financially support. The previous building is still empty. It is becoming evident our GCSAA staff is running over our board and doing as they please.

Just four years ago in Las Vegas, as President of the MAGCS, I questioned and refused to present a check to the GCSAA Scholarship and Research fund, because I felt the expenditures were too high for the amount of dollars being used for the S & R. Now, the whole financial statement is presented in generalities so you cannot question the funds individually.

Why — when we ask the President, or Director of GCSAA what the new found “CEO” or any of the staff make, they refuse to tell us? Are the salaries too high or didn’t the Board make those decisions? Why — has the opening of Foreign Offices in the R.I.M. countries and the proposal of regional offices come as just announcements? I do not want a Superintendent or Regional Officer, picked by the GCSAA staff, coming to tell me how to run my golf course, when I already have available — Randy Kans, Tom Fermanian, Dave Wehner, Hank Wilkinson, and many more to give help at no cost, and know they are doing research locally.

In light of these and many other unknown’s, I am sure the GCSAA Standards Committee was very heavily influenced by the staff of GCSAA in presenting the By-Law changes to give more control to the Board and Staff.

With the voting procedures the way they are now, there are 5000 - 6000 votes cast. With the concept of mail in votes, one person one vote, we would be lucky to get 1500 cast. This would be a small number of the 15,000 person organization.

Most of the By-Law changes are to give the Board and Staff more power and less control by the members. Why do we need more membership classifications? To make the membership number grow? Why is the Board and Staff afraid of the two-thirds majority needed to pass By-Laws?

There was a meeting November 4th, with the President and a Director of the GCSAA in attendance, and about 25 MAGCS members present. The version of the By-Law changes presented by them was the same as the ones previously printed in the GCSAA magazine, and the only ones coming from the GCSAA Headquarters; all one sided.

Give it some thought! Let there be another side heard, and send our **Delegates** to elect a President and new Board of Directors of the GCSAA, that will start asking — What Is Happening?

WASHED TURF?

Yes, washed Penncross creeping bent and “Executive Blend” bluegrass sod has arrived in the Midwest! This new innovation offers many benefits:

- Eliminates traditional interface problems between sod and the existing soil.
- Washed sod consistently roots down more rapidly than conventional sod (typically 3½” of root growth in just 8 days).
- Will quickly establish into all soil types.
- Lower weight allows for shipping up to 50% more per load

CALL US FOR DETAILS!



**HUBER RANCH
SOD NURSERY!**

StrathAyr
Washed Turf

Rt. 41 Schneider, IN

800-553-0552 • (219)552-0552

Specializing in Golf Course Renovations

- Tees • Greens • Traps • Fairways
- Hydroseeding • Plant Installation •

company, inc.
don fiore

landscape contractors & architects
golf course contractors

28846 Nagel Court
Lake Bluff, Illinois 60044
708-234-0020
Fax 708-234-0922

Certified Member: American Society of Landscape Architects
Midwest Association of Golf Course Superintendents



PAARLBERG CHEMICALS

featuring

- Par-Ex Fertilizer
- Lebanon Fertilizer
- Du Pont Chemicals
- Chipco Chemicals
- Daconil - Dacthal
- Bean Sprayers
- Elanco
- PBI Gordon
- All Major Turf Supplies



Quality  Value  Service

1840 E. 172nd St., So. Holland
708—474-3086 815—469-6730

PERSONALIZED AND PROFESSIONAL LAWN AND TREE CARE SERVICES.

For **tree care, hydroseeding, prairie installation or lawn care** go with the professionals, McGinty Bros. Inc.! We're small enough to provide that personalized service and large enough to offer all the professional systems knowledgeable clients insist upon.



3524 Long Grove Road
Long Grove, Illinois 60047
TEL: (708) 438-5161
FAX: (708) 438-1883

EarthCare Technologies Corporation

featuring ISOLITE porous ceramics

Rich Wagner

≡≡≡ 2702 Turnberry Road St. Charles, IL 60174
≡≡≡ (708) 513-0297 FAX (708) 513-0298

 **the
bruce
company** OF WISCONSIN, INC.

LEE BRUCE
GOLF COURSE CONSTRUCTION

2830 W. BELTLINE HWY. • P.O. BOX 330
MIDDLETON, WI 53562

Dinner Dance Photos

by John Meyer



Our Hosts: Debbie & Joel Purpur



Nice black eye — Dave!

