

**THE BULL SHEET, official publication of the  
MIDWEST ASSOCIATION OF GOLF COURSE  
SUPERINTENDENTS.**

**1985 Board of Directors**

<b>President</b>	Joe Williamson (Sandy) Briar Ridge C.C.	Home: 219-322-1409 Work: 219-322-3660
<b>Vice-Pres.</b>	Dave Behrman (Chris) Deer Creek G.C.	Home: 672-5887 Work: 672-5887
<b>2nd Vice-Pres.</b>	Julius Albaugh (Vickie) Westmoreland C.C.	Home: 673-4610 Work: 251-4601
<b>Sect'y-Treas.</b>	David Meyer (Penny) Indian Lakes C.C.	Home: 961-1011 Work: 529-0200
<b>Board</b>	Sean M. Daley Ridge C.C.	Home: 388-5781 Work: 233-8490
	Jim Evans (Debby) Turnberry C.C.	Home: 815-455-3994 Work: 815-459-8570
	Mike Hart (Jan) Bon Vivant C.C.	Home: 815-932-6004 Work: 815-935-0400
	Mike Nass (JeanAnn) Bryn Mawr C.C.	Home: 297-7063 Work: 677-4112
	Roger Stewart (Sue) Riverside Golf Club	Home: 961-2803 Work: 447-1049
	Phil Taylor (Marilyn) Sugar Creek G.C.	Home: 279-8038 Work: 834-3325



**President's Message**

I had the pleasure of attending the Masters Tournament in Augusta, Georgia this year. What a beautiful golf course. The Dogwood's and Azalea's were in full bloom and, of course, the turf was absolutely perfect. Not a divot or ball mark to be seen. If any of you have not had the pleasure of seeing a Masters and observing the golf course, it is a must.

At our meeting at Nordic Hills, the membership requested that a letter be composed and sent to Mr. John Schilling opposing the Mid-Year Conference in Indianapolis, Indiana in September. With the help of Mike Bavier and Bruce Williams, I compiled a letter, a copy of which I have sent to Fred for publication in the "Bull Sheet". I hope that I expressed the sentiments of our organization the way you wanted them. The vote at our March meeting was 89 opposed and 1 for the Conference and Show.

While I am on this subject, Mr. Paul Voykin gave me a copy of "Kentuckiana Klippings" where the editor, Mr. Louis Miller, really was not too complimentary toward the proposed show. He states that, in his opinion, only five percent of the membership is in favor of this new venture. I am going to call Louis and see if he would mind if Fred printed his article about the show.

Have you ever seen a drier spring? I am sure that some of the old-timers can come up with a particular year, but us young bucks would have a difficult time. It has been great for any spring construction projects, but not so good for new seedings, tree planting, and any job dealing with plant life. The only thing I can say is that when we do get rain, I look for us to make up for lost time with a real "gully washer". In spite of the dryness, the many flowering trees and shrubs were in their greatest splendor this spring. It sure is refreshing to see the many flowering plants on our golf courses come through with a banner year of bloom and flower.

**Joe P. Williamson, C.G.C.S.**

**ECKHOFF AWARD**

For Excellence In Golf Journalism



**NATIONAL GOLF FOUNDATION**

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**  
1022 Shady Lane  
Glen Ellyn, IL 60137  
Phone (312) 469-3444

**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 around 500 issues per month.

## The following letter was sent to the GCSAA

## MAGCS Director's Column "Family"

by Phil Taylor

Sugar Creek G.C., Villa Park, IL

Dear Mr Schilling:

On February 25, 1985, you sent a memorandum to selected chapter presidents asking them for their assistance in planning the new Mid-Year Turfgrass Conference and Show to be held on September 19-24 in Indianapolis. At that same meeting, only one person out of ninety expressed an interest in attending the Mid-Year Conference and Show in Indianapolis. The superintendents in our area are very busy in September with renovation and construction projects. We could not afford to take off the 4-6 days for the conference.

In the Midwest, we have some excellent regional seminars. The NCTE, Milwaukee Turf Symposium, Midwest Turf Foundation (Purdue), Michigan Turfgrass Conference, and the Ohio Turfgrass Conference and Show. These conferences are well attended and growing each year. Excellent presentations are made on research as well as superintendents' practical experiences at all of the above mentioned conferences. Several groups also offer trade shows on a slightly smaller scale than the national show.

The major concern of our Association is the poor communication to the membership concerning the Fall Conference and Show. What research will be presented that is not covered in the magazine or at the national show? Isn't it a bit late to check with the chapters now on their feelings once you have committed? Whatever happened to our chapter relations committee? Were any of the past Presidents consulted for their views on this matter?

We are constantly told that the Staff at the Home Office is overworked and that we need more help. We hired two additional employees in 1984 in the Education Department. How many more will be required to help plan and put on the Fall Conference & Show? Members of the Education Committee were never informed of the Fall Conference and Show. Were the members of the Conference & Show Committee ever informed? It is quite obvious that a great deal of work goes into planning and production of the Spring Conference & Show. We are told that help is borrowed from various departments to get the job done. With the secretarial staff only working a 35 hour work week, it appears as though we will soon be forced to hire several more people in the conference and show department.

We appreciate your asking for our input on this matter. Don't you think it would have been advisable 6-9 months ago? We were told that the decision to hold this conference was made in January at the Board meeting. It seems hard to believe that you would have all of the dates locked in and committed. Even harder to believe were the preprinted flyers advertising the event as well as the five color displays around the show floor advertising the Fall Conference. These things take time and could not have been laid out and prepared between the January Board meeting and the D.C. Conference.

In summary, the GCSAA now produces the finest turf show in the world. We feel it is a paramount to concentrate our efforts on one show per year. Let's put our efforts into putting our national show on without a hitch before we leap into another conference and spread our talents and people too thin.

**Joe Williamson, President, MAGCS**

By the time this issue of the **Bull Sheet** reaches the membership, I suspect that we will be back in full swing again, doing what Golf Course Superintendents do during "the season".

I enjoyed Mike Nass' column in the March issue and could really relate to his experience. Reflecting on Mike's column and on an article, also in the March issue by Mike Matchen entitled, "A Few Things to Think About Before Starting the Season", gave me the idea for this column.

Having been a married Superintendent for the past six years (not long by many of our members standards) and a married Superintendent with a family for the past four years, I've experienced the change from being normally busy (during those winter months when everybody wants to know what we do) to being super busy and its affect on me and the members of my family. We all know that the affect of "the season" on the family is usually negative. After all, there are only twenty-four hours in a day and if we work fourteen hours, sleep six, eat three and relax on our own for an hour, how much time does that leave us for our families? Is it even important that we spend time with them during "the season"? After all, we just came off a three month vacation with them and were just trying to be good providers for them, right? I know I've rationalized the time dedicated to the course that way. But all my rationalizations don't relieve the tension and pressure that begins to build within my family as "the season" progresses. And I've come to realize more each year that it's my family that's most important and that being the best Superintendent I can be is not worth the effort it takes if my career has progressed at the expense of my family.

I would like to take this opportunity to share with you some interesting news clips taken from Focus on the Family magazine. They were enlightening to me and I hope they will be to you.  
**Family Forecast Predicts Need for Stronger Support**

A recent study predicts that social change will continue to have a negative impact on the family structure unless the family receives increased support from society and government, according to a New York Times News Service report.

In the study, issued by Family Service America, the percentage of Americans who marry may drop from 90% to 85% by the year 2000 due to increases in cohabitation, single-parent households and the increased acceptance of homosexual couples. The traditional nuclear family — with a wage-earner husband, homemaker wife and dependent children — now comprises less than 10 percent of all households.

### **Studies Show Little Change in Parenting Roles**

Four new studies presented recently to the National Council on Family Relations, indicate that mother-child and father-child relationships haven't changed in spite of the women's movement and the acclaimed emergence of new father roles, according to USA Today.

In the studies, mothers remain the primary parent figure regardless of whether or not they have a full-time job, and fathers are not playing an increased role in the lives of their children.

(cont'd. page 4)

(Family cont'd.)

One study tracked 57 families for five years and reported that on a typical weekday, fathers spent about half an hour with their five-year-olds. In the same families, mothers, regardless of their employment status, spent about two-and-a half hours with the same children.

**Divorced Children Suffer from "Father Hunger"**

In an article for the Wall Street Journal, family psychiatrist Dr. Alfred Messer points out that many children are suffering from what he calls "father hunger", or lack of a male parental figure.

According to Messer, the problem is even more severe for children of divorced parents. "Staying together for the children's sake has lately been described as one of the worst reasons for prolonging a marriage," wrote Messer. "But when divorce threatens to break up a small boy's emotional development, the parents might put aside their differences to provide their child with a critical need - a father."

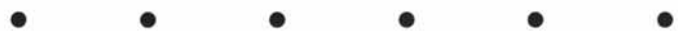
**Open Affection Makes for Healthy Home Life**

In light of the increasingly publicized sexual violent crimes against children, psychologists are voicing concern that adults, fearful of being misunderstood, will refrain from showing affection to children.

In a New York Times News Service article, psychologists stressed the danger of a lack of healthy affection in the home. "You can give children all the food and proper diet they need, and clothe them properly and give them the right kind of housing, but if you don't give them physical attention they don't thrive," said Dr. Blair Justice, a psychology professor at the University of Texas.

According to Dr. Carol Tomlinson-Keason, chairman of the University of California Riverside Human Development Program, "Hugging and kissing and supporting are always appropriate. What isn't appropriate are things that begin to cross the line and become more overtly sexual," she added.

I think that these news articles are a reflection of the times and could have a great deal of meaning for all of us. My hopes for us, this coming season, are to have a successful year with our operations at our places of work; but more importantly, I hope for success within our family life's in this current year and for years to come.



**"Summer's Show"**

As June ushers in Summer,  
The pressure of the Season grows.  
Walking the high wire is the Act,  
Tending the needs keeps You on Your Toes.  
Keep the Spray Wagon full of ammunition,  
The Irrigation System ready to go.  
If you find time to feel down hearted,  
Reflect on last Winter's ice and snow.  
Let positive mental attitude assist You,  
And Enjoy the production of Summer's Show.

**Kenneth R. Zanzig**



**Turf**  
PRODUCTS, LTD

2 N 255 County Farm Rd. West Chicago, IL 60185  
Phone: (312) 668-5537

"Golf Course Work a Specialty"  
**LEMONT PAVING CO.**  
Lemont, IL 60439


Jim, Tracy, Ray Murphy 257-6701

**KILLIAN**  
DESIGN GROUP INCORPORATED

**GOLF COURSE ARCHITECTS**  
639 First Bank Drive, Palatine, Illinois 60067 (312) 358-8884

**FOR SHADE AND ORNAMENTAL TREES**  
**HAMMER NURSERY INC.**

400 WEST FIRST STREET  
ELMHURST, ILLINOIS 60126



MARK W. KROEGER NAPERVILLE, IL



**McGinty**  
BROS., INC.

LAWN CARE TREE CARE  
Weed, Crabgrass and Disease Control/Fertilizing Tree Spraying, Feeding, Surgery, Trimming, Removal

HYDROSEEDING

RT. 2, BOX 518, LONG GROVE ROAD  
LONG GROVE, ILLINOIS 60047 / (312) 438-5161

# The Bunton Greensmower stands grass up - then cuts it clean.

The Bunton Greensmower's powered rotary brush brings grass to attention, then clips it off cleanly and evenly to give your greens the best grooming they've ever had. And that's just one of this high-quality mower's many features

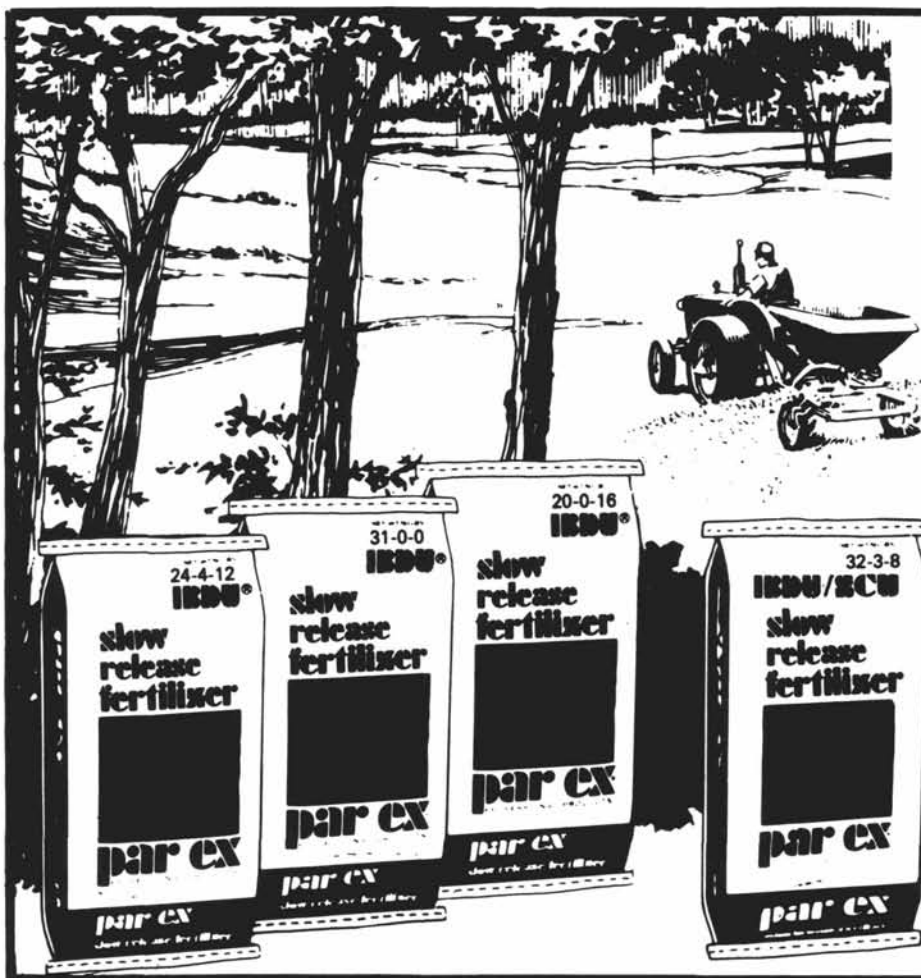
This self-propelled mower is highly maneuverable, with finger-tip controls and equally powered dual drive rollers to ensure the straightest possible cut. A hand brake and quick-release removable pneumatic-tired wheels provide easy transportation.

Add to this a quiet, reliable, 4-cycle Robin engine and high-quality construction throughout, and you have a greensmower that's unmatched in performance - anywhere!



Call us for a demonstration.

**ROWLAND'S**  
Equipment, Inc.  
312-381-1084



**par ex**<sup>®</sup>  
PROFESSIONAL PRODUCTS

IBDU<sup>®</sup> (31-0-0) and PAR EX<sup>®</sup> fertilizers with IBDU are custom formulated for high maintenance, high quality turfgrass. Check with your local PAR EX territory manager or distributor for other available grades.

Territory Manager  
**Thomas E. Skinner**  
Keokuk, IA 319/524-8912

**Turf Products Ltd.**  
West Chicago, IL 312/668-5537

**Paarburg Chemicals Co.**  
South Holland, IL 312/474-3086

**Olsen Distributing Co.**  
Barrington, IL 312/381-9333

**Professional Turf Specialties, Inc.**  
Champaign, IL 217/352-0591

**Rowland's Equipment, Inc.**  
Barrington, IL 312/381-1084



## GOLF COURSE IRRIGATION SALES CO.

Div. of Halloran & Yauch, Inc.  
2040 Lehigh Ave., Glenview, IL 60025

**CUSTOM PUMP HOUSE  
CONSTRUCTION & REMODELING!  
IRRIGATION INSTALLATION  
& REMODELING!  
GOLF COURSE DRAINAGE SYSTEMS!**

**Call Us For Your Golf  
Course Irrigation Needs!**

**(312) 729-1625**

**SUPPORT YOUR  
ADVERTISERS**

**WHOLESALE  
SUPPLIER for**



LAKE COOK  
FARM  
SUPPLY

**Landscapers • Nurserymen • Golf Courses**

- Turf and Agricultural Chemicals
- Common and Elite Turf Grass Seed
- Union Fork Tools
- Peat Moss — Bark — Mulches
- Root Lowell Sprayers
- Shaws and F.S. Fertilizers

**CUSTOM BLENDING OF BULK FERTILIZERS  
OUR SPECIALTY**

*Pickup or Delivered from our Bulk Fertilizer Plant  
Custom Fertilizer Spreading Available*

DISTRIBUTORS OF F.S. PETROLEUM PRODUCTS

**GASOLINE • LUBE OIL • DIESEL FUEL**



**LAKE COOK FARM SUPPLY**

PETROLEUM  
DIVISION  
101 E. MAIN ST.  
LAKE ZURICH, IL 60047  
540-0100

TURF  
DIVISION  
1214W NORTHWEST HWY.  
PALATINE, IL 60067  
991-4800

BULK FERTILIZER  
PLANT  
170 CEDAR AVE.  
LAKE VILLA, IL 60046  
356-9600

## Local Pesticide Update

by Gwen Stahnke, Area Agronomist, TRU GREEN

On March 19th at 9:30 a.m., the League of Women Voters of Barrington, Illinois, held a panel discussion on the use of pesticides in the environment. The panel was prompted by the concern over the proposed Wauconda legislation dealing with the posting of signs and pesticide usage. At this point, it is a search for facts about pesticides being used and their safety. The panel consisted of Ms. Judy Beck, the Community Relations Co-ordinator of the U.S. EPA Super Fund in Illinois and Wisconsin, Ms. Sheri Roethlis Blass, Agronomist for Tempo 21 in Wheeling, Illinois, and Board member of the McHenry Defenders, and Mr. Lou Marchi, a retired chemist. Each panel member was given a half hour to present their viewpoints.

Judy Beck gave an overview of the EPA since its founding in 1970 during the Agronomic boom. She also spoke about what the Super Fund is, does, and some of the proposed investigations into ground water areas.

Sheri Blass spoke on the responsible use of pesticides and pointed out how many of the actual facts have been overpowered by the public's fear of pesticides and emotional issues. She handed out four informative pieces of literature on lawn care and the types of chemicals which are commonly used. An emphasis was placed on how within the last 45 years of our life spans have increased by 25% and crop production has increased. Part of this is because of the wise use of pesticides within our environment. In looking at a specific example of home lawns, it was estimated that 15 to 20% of all lawns used pesticides, and that if no pesticides were used, in 5 to 7 years, weeds and insects could spread over most of the lawns.

The final speaker, Mr. Lou Marchi, has been in the chemical industry for 54 years. He began his update on pesticides by defining pesticides as economic poisons. Examples were given of studies showing that each cigarette smoked shortens a life by 8.3 minutes, and how painters breathing paint fumes every day lived 11 years less than other people. He charged the EPA with the task of doing studies on the effects of pesticides shortening our lives.

There was a brief discussion afterwards, but no official debate. From the questions asked by the 25 people in attendance, there is a genuine concern and a need for knowledge on the part of the public about pesticides. There are people who have pesticide or petrochemical sensitivities which we need to be aware of and work with them, but it should be done in a feasible manner. Thus far, the lawn care companies and pest control operators who are already required to be licensed by the state, but are fairly visible to the public, have been the target of legislation. However, the private homeowner can apply these chemicals with no training and no license at all. The Wauconda legislation does not touch on this subject.

The surrounding suburbs, the state, and the nation are watching the outcome of the Wauconda issue very closely. Similar issues are currently in question in Ohio, Michigan, Minnesota, Maryland and other states. The MGCSA has supported the PPPF in the legislative battle against the Wauconda ordinance, and can give further support by being aware of the issues in your community and promoting public knowledge on the safe use of pesticides on your golf course or home lawn care.

**[The Wauconda hearing date is June 21st].**

# UNIVERSITY SCORECARDS PROVE IT.

**BROWN PATCH CONTROL** University of Maryland, 1983

Treatment	Rate/ 1,000 Sq. Ft.	Disease Rating % Plot Area Disease 7/8
<b>TERSAN® 1991</b>	2 oz.	0.0
Vorlan <sup>1</sup>	2 oz.	5.5
Duosan <sup>1</sup>	3 oz.	5.0
Bayleton <sup>2</sup>	2 oz.	4.2
Rubigan <sup>3</sup>	.5 oz.	11.0
Daconil 2787 4F <sup>4</sup>	6 fl. oz.	4.6
Untreated	—	26.5

Bentgrass—Penncross  
Application 6/7, 6/17, 7/8  
P. H. Derrorden, J. D. Fry  
Dept. of Agronomy, University of Maryland

**ANTHRACNOSE CONTROL** Michigan State University 1982  
Glen Gary Golf Club, Sylvania, Ohio

Treatment	Rate/ 1,000 Sq. Ft.	Application Interval	Disease Rating % Plot Infected 8/5	8/17
<b>TERSAN® 1991</b>	1 oz.	21 days	8.3	0.7
Bayleton	2 oz.	30 days	11.7	1.7
Duosan	4 oz.	21 days	21.7	8.3
Clearys 3336 <sup>5</sup>	1 oz.	21 days	30.0	18.3
Fungo 50 <sup>1</sup>	1 oz.	21 days	28.3	19.0
Daconil 2787 4F	6 fl. oz.	21 days	38.3	28.3
Actidione TGF + Actidione RZ <sup>6</sup>	.34 + .55 oz.	14 days	48.3	65.0
Vorlan	1 oz.	21 days	55.0	60.0
Untreated	—	—	58.3	66.7

Annual Bluegrass  
Applications began on July 7  
Dr. Joseph Vargas, Michigan State University



# TERSAN® 1991 controls brown patch and anthracnose better than the fungicide you are now using.

If you're not using TERSAN® 1991 fungicide you're not getting the best brown patch and anthracnose control. Test results, like these from Michigan State University on anthracnose and the University of Maryland on brown patch, prove nothing works better than Du Pont TERSAN 1991 fungicide against these two turf diseases.

Many new fungicides provide poor control of brown patch and anthracnose, especially under heavy disease pressure. Their extended spray intervals recommended for other turf diseases, such as dollar spot, are too long to provide adequate protection against brown patch and anthracnose.

TERSAN 1991 is well suited to handle the heaviest disease pressure. Its unique systemic activity withstands heavy rainfall and frequent watering for longer-lasting disease control. And TERSAN 1991 may be applied for anthracnose control either preventively or after the disease is already present.

Schedule TERSAN 1991 in your summer spray program. Apply it in tank mixtures or as supplemental applications from June through August, when brown patch and anthracnose threaten.

You'll get tee-to-green control that hits brown patch and anthracnose hard. Control that university tests

prove works even under heavy disease pressure...TERSAN 1991. Only from Du Pont.

- The following products are registered trademarks:
- <sup>1</sup>Vorlan, Duosan, and Fungo 50—Mallinkrodt, Inc.
  - <sup>2</sup>Bayleton—Mobay Chemical Co.
  - <sup>3</sup>Rubigan—Elanco Products Co.
  - <sup>4</sup>Daconil—SDS Biotech Corp.
  - <sup>5</sup>Clearys 3336—W.A. Cleary Chemical Corp.
  - <sup>6</sup>Actidione TGF and Actidione RZ—TUOCO Div. of Upjohn Co.

*With any chemical, follow label instructions and warnings carefully.*



# Bent Sod That Fits Your Course To a Tee!

from tee to green...

- PENNCROSS BENT SOD
- PENNEAGLE BENT SOD
- XL-100 BLEND SOD
- A FULL LINE OF LANDSCAPE SUPPLIES
- DECORATIVE STONE
- LANDSCAPE TIMBERS

Illinois' largest sod grower

**HE SOD**  
nursery, inc.

3900 West 167th  
Markham, IL 60426  
312-596-7200



## BROOKSIDE SOIL TESTING and IRRIGATION WATER ANALYSIS

includes complete report, and recommendations for producing quality turf on golf courses.

### ADVANTAGES:

- Improves the environment of the grasses and eliminates turf diseases
- Decreases expenses for pesticides
- Reduces thatch and eliminates fairway renovation
- Decreases expenses for costly fertilizers
- Healthy turf attracts more golfers and increases income

Contact:

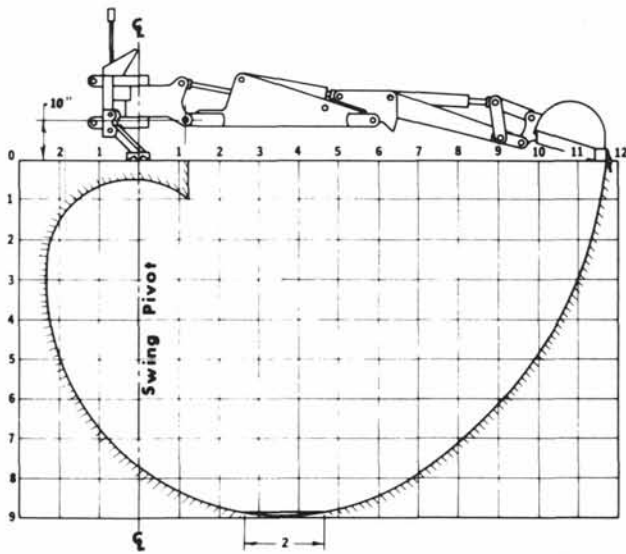
V. J. Zolman and Son  
2618 Harvey Avenue  
Berwyn, Illinois 60402

Phone: (312) - 788-4565  
(312) - 461-3679

### Bradco 3-Pt. Hitch Backhoes ...

...feature exclusive rigid top link and cushion hitch to provide operator safety and protection for the tractor.

Available in 6, 7, 8, 9, 11 and 13 foot digging depth models for most tractors.



**Martin Implement Sales, Inc.**  
16400 South 104th Avenue  
Orland Park, IL 60462  
312-349-8430

Our Standard is Excellence  
**SHEMIN**  
NURSERIES, INCORPORATED

Your authorized

**Buckner**<sup>®</sup>

Distributor

Lombard Rd. at Lake St., Addison, IL 60101  
(312) 773-8090

## The Spring of '85 — Verry Interesting!

by James M. Latham, Director

USGA Green Section, Great Lakes Region

It had to happen, sooner or later. There really can be a spring in this part of the country. It only took 24 attempts, but I finally saw one in year number 25. And what a spring it is!

Some forebodings came in midwinter with the super cold winds. While shoveling through deep drifts in my driveway it occurred to me that the excess had to come from somewhere and that somewhere was a steep slope in the lawn near the street (now brown). When warmup to the freezing point came with the wet, heavy snow, it brought more questions about the longevity of fall applied fungicides. The conditions of golf courses by May 1 answers the questions.

So far the season, almost everything imaginable can be seen. Dessiccation on knobs and north-facing greens runs from central Wisconsin to northern Wyoming. Snowmold damage, some **bad**, is still visible on unprotected fairways and some protected greens. Ice damage to trees was quite severe on scattered Michigan courses. And in the midst of these happenings are courses which have never looked better. Some patterns seem to exist, but none to hang your hat on.

Like every spring before, it is evident that those who prepare for the worst will fare the best. This includes protection for exposed areas subject to dessiccation. We should be able to easily identify these areas. The snowmold control materials we have available will not work unless they are applied in mid-fall, early winter and early spring. Much of the damage now visible occurred this spring and should have been expected.

So now spring has sprung. It was amazing to see the mowing activity in the Chicago area at the time of the CDGA Seminar at Butterfield, when the Milwaukee area was still that dingy tan of late winter and not much farther north the drifts were still big. In mid-April, Michigan trees were beginning to leaf out while we looked at bare branches. But then ...

The sun rose hot and heat records began to be set all over the place. An 85 in April? No way. (Wrong). Grass grew like crazy and rippled in the gentle breezes. When the breeze became almost gale force a frantic activity began in and around pump houses. Not only was some mowing equipment unready, irrigation gear was the last thing in anyone's mind, yet wilt was among us already.

How would you like to be a superintendent who is experiencing rather extensive winter dessiccation for the first time in 12 years? The early April temperatures in the high seventies may be in the low twenties tomorrow. You are in an irrigation district which supplies water to agriculture. And the farmers don't need the water until May and the best you can do before that is a hose and sprinkler setup to deliver about five gallons per minute. That's how it is in the high country, where a golfing season runs Memorial Day to Labor Day.

Living around the Lakes really isn't so bad after all.

Now what all this will mean later in the season is anyone's guess. In our haste to catch up with the surface soil moisture deficit, there will be a lot of overwatering to help the spring crop of **Poa annua** seed. And because of the hard soil, there will probably be some needed aeration "postponed". The wind will help delay herbicide application - perhaps until fall.

The early spring has put golf course maintenance farther behind golf play this year than any in memory. It is difficult

to keep up with June weather with a February crew. And here come our patrons — delighted that they can play golf comfortably in April, yet. Not just the snowbirds this year. Every bad round brings gripes about unmown grass, untrimmed or unraked bunkers, tree branches in the rough ... ad infinitum. Such is the life on the grassy side of golf in the midst of an early spring.

If we look at the other side of the coin though, we have no room for complaint. Those folks out there flailing away are enjoying the best "people weather" that April has given in a long time. **They** make the wheels turn, the money mills grind and are the reason for our existence. The cost of golf is increasing at an alarming rate (look at your budget today compared with just five or ten years ago). The more rounds of golf attainable in a season, the lower is their overhead — as measured by club dues, assessments or daily fees.

This is the reason the USGA Green Section/GCSAA fund raising effort is so important to all of us involved in golf course management. The goal of reducing maintenance costs while maintaining golf course quality is understandable to everyone. Certainly it merits support by everyone in golf, **particularly** superintendents. It can be achieved only through a nationally coordinated, basic research effort. The piecemeal programs of the past are incapable of coping with the complex process involved in this task.

If you haven't already done so, talk up the CDGA proposal on fund solicitation, a portion of which goes to the Green Section Research Program. Golf course superintendents are key people in activating it, because if you are not interested, why should anyone else be? We have been singing to our own choir too long. Sing to the audience - the golfers who enjoy play on the turf you manage.

---

### Lawn Fertilization with Sulfur-Coated Urea

Sulfur-Coated Urea, a slow-release source of nitrogen, has been found good for lawn fertilization by Agronomist Donald Waddington at Pennsylvania State University. Three Sulfur-Coated Urea materials have been evaluated on Kentucky bluegrass lawns. Rates at which the materials dissolved varied from a slow rate to a rapid rate. Two months after application to the lawn, about 95 percent of the nitrogen in the rapid release material had been made available to the lawngrasses. At that same time, only about 45 percent of the nitrogen in the slow release material was made available.

Recovery of applied nitrogen from clippings removed in mowing was greatest when the lawn was fertilized with the Sulfur-Coated Urea with the most rapid nitrogen release rate, showing that the plants were benefiting from the nitrogen. In this case, some 50 percent of the applied nitrogen was recovered. At the same time, only 30 percent of the applied nitrogen was recovered from lawn clippings grown with Sulfur-Coated Urea with a slow nitrogen release rate.

Formulations of slow and rapid release types of Sulfur-Coated Urea are made to create lawn fertilizers with sufficient available nitrogen to produce instant improvement in the lawn as well as to provide for the long range needs of the grass for nitrogen. The fertilizer is activated in the presence of moisture and thus nitrogen is released when moisture is available for grass growth. As soils dry and growth rates slow down, less nitrogen becomes available. This nitrogen release pattern is ideal for lawngrasses.

**Credit: The Lawn Institute**



## INTRODUCING THE *Buckner*® GEARSHIFTER

\* INTERNAL REPLACEMENT FOR **TORO 690,**  
**670, 650** GEARBOX

\* ACHIEVE SAME RADIUS AND G.P.M. AT  
10 P.S.I. LOWER PRESSURE

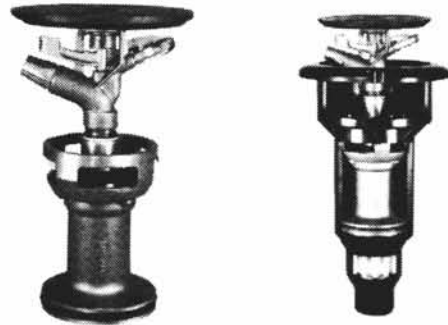
\* WIDER NOZZLE SELECTION

\* RUBBER COVER STANDARD

\* HEAVY DUTY BRONZE CONSTRUCTION

\* FEWER PARTS, EASILY SERVICED IN THE FIELD

\* FIELD USE PROVEN IN THE ILLINOIS AREA



*Special Introductory Offer*

MODEL 10094 fits Toro 670 & 650

\$ 48.00 Net Each

MODEL 10114 fits Toro 690

\$ 78.00 Net Each

FREE DEMONSTRATION

*Satisfaction Guaranteed*



**Builders** PLUMBING SUPPLY COMPANY  
IRRIGATION DIVISION

133 South Route 53 Addison, Illinois 60101

(312) 629-8100 - Call Collect -

## PRECISION BLENDED TOP DRESSING

Custom blended to your specifications  
by our modern equipment.

*Buy when you need —  
Eliminate costly storage*

We sell an air-dried, uniform and  
free flowing top dressing.

ASK THE MAN WHO HAS USED IT.

HUMUS — BLACK SOIL

## HENRY FRENZER

Area Code 312  
658-5303

620 Webster St.  
Algonquin, IL  
60102

## IRRIGATION ENGINEERING COMPANY

*featuring*

**Weather**  **matic**®  
LAWN AND TURF IRRIGATION

Phone (312) 485-6023

9242 Broadway • Brookfield, Illinois 60513

## CUSTOM FORMULATED FERTILIZERS

- Granular or Liquid
- Bagged or Bulk Delivery
- Formulated to your specifications at no extra cost

**Tyler**  
Enterprises, Inc.

Rt. 53, Elwood, IL 60421  
815-423-5808

- Turf Chemicals
- Grass Seed
- R & R Replacement Parts