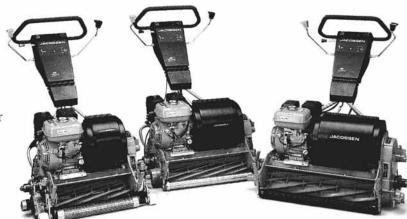
At 5/64", you could be so close and yet so far away.

At superfine cutting heights, every aspect of your mower's performance is accentuated. For better or worse. And the same goes for greens play.

That's why Jacobsen puts so much into every Greens King[™] walk behind. Exceptional side-to-side, front-to-rear balance. A compact roller base for immaculate cutting. And only Jacobsen has the patented Turf Groomer[®] greens conditioner, for faster, truer and healthier greens.

When it comes to performance—when it comes to results—no other greens mower family can make this cut. For more information, and a complete demonstration, contact us today.



The Jacobsen walk behind greens mower family now includes 18", 22" and 26" models to handle everything from severely undulating greens, to tee boxes and collars, flawlessly.

800-942-8610 708-349-8484 FAX 708-349-7149





16450 South 104th Avenue Orland Park, Illinois 60462 THE PROFESSIONAL'S CHOICE ON TURF.



Jacobsen Division of Textron Inc.

Bull Sheet

Official publication of the MIDWEST ASSOCIATION OF GOLF COURSE SUPERINTENDENTS.

1995 Board of Directors

President	Joel Purpur (Debbie) River Forest G.C.	Home: 832-6763 Office: 782-4259	
Vice-President	Don Cross (Cindy) Skokie C.C.	Home: 965-3435 Office: 835-4296	
Sec'y./Treasurer	Ed Braunsky (Sue) Geneva G.C.	Home: 879-8536 Office: 232-0627	
Exec. Secretary	Joan Minnis MAGCS P. O. Box 204 N. Aurora, IL 60542	Office: 896-6811 Fax: 896-6811	
Board	David Blomquist Naperville C.C.	Home: 961-9509 Office: 355-9807	
	Brian Bossert Bryn Mawr C.C.	Home: 312/274-4724 Office: 677-4112	
	Kevin Czerkies (Peggy) Sportsman C.C.	Home: 949-7074 Office: 291-2352	
	Donald Ferreri (Geri) Seven Bridges G.C.	Home: 357-7964 Office: 852-1746	
	Robert Maibusch (Cheryl) Hinsdale G.C.	Home: 789-1651 Office: 986-1323	
	Luke Strojny (Debbie) Poplar Creek C.C.	Home: 830-7370 Office: 310-3618	
Pres. Emeritus	Alan Fierst Oak Park C.C.	Home: 436-7815 Office: 453-7525	
Commercial Representative	John Lebedevs Turf Products, Ltd.	Home: 910-4568 Office: 668-5537	
	(All phone extensions are 708 area code)		

Official Photographers — Raymond Schmitz & John Meyer

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



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	
810 Greenwood Avenue	
Carpentersville, IL 60110	
Phone (708) 428-5009	Fax (708) 428-5009

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, camera ready or negative, screen 110 or 133, black and white only. Circulation is over 600 issues per month.

On Course With the President

Congratulations to GCSAA Vice President Bruce Williams and GCSAA Director Tommy Witt for successful campaigns and victories in the GCSAA elections! The Midwest is fortunate to have such exceptional individuals represented on our GCSAA Board of Directors. The Midwest also extends gratitude to our voting delegates Roger Stewart and Bob Maibusch



for their hard work behind the scenes ensuring that the MAGCS votes were cast in the best interest of our Association. Another major accomplishment was achieved by Timothy Kelly, Past President of the Midwest, who was awarded the National Environmental Stewardship Award for Public Golf Facilities. Tim and his staff have been leaders in environmental awareness and it is great that Tim and the Village Links of Glen Ellyn has been recognized. Congratulations Tim! The MAGCS was well represented at the GCSAA speaker level as well. Several members of the Midwest gave excellent presentations at our International conference. Congratulations to all of them, and congratulations for upholding the fine professional image of the "Midwest". This years conference truly had a great deal to offer everyone.

Alan Fierst and others who assisted him deserve a big thank you for all of their hard work in setting up and operating the Midwest Hospitality Suite. The room was well attended and enjoyed by crowds of our members and guests. The members of the MAGCS must also thank contributors to the Golden Tee Club for making the event possible by funding the majority of the event. Commercial members of the Midwest donated over \$10,000 for the hospitality suite, for which we are very appreciative. Contributors include:

Arthur Clesen Inc.	Agro-Evo U.S.A.
Illinois Lawn Equipment	J. W. Turf
Pro Greens and Turf Aeration	on Layne Western
Vermeer-Illinois	Bojo Turf Supply
Hollembeak Excavating	Wadsworth Pumps
Lindley and Sons, Inc.	Jim Burdett
Cannon Turf Supply	Lemont Paving Company
Lohmann Golf Design	Midwest Golf Development
Century Rain Aide/Legacy	Golf Green Visions
Midwest Turf and Tractor	Turf Products LTD.
Chicago Turf and Irrigation	Halloran and Yauch
Huber Ranch Sod Nursery	Johnson & Assoc. of Lombard

The MAGCS contributed additional funds but limited itself to an exposure of \$4,000 because there are other expenditures, such as MAGCS brochures, which are projected for the near future. Considering that contributions from both our commercial members as well as the Midwest budget were a bit less than last year, food offerings had to be compromised slightly, but were still ample. Al Fierst did a great job in providing everyone who attended with the most for the money, and to Al, I personally thank you. (On Course With The President continued)

The MAGCS kicked some grass in Monterey, too! The tournament offered a variety of courses and several members of the MAGCS placed at our National Championship. Winners include: Al Pondel, Randy Wahler, Tim Davis, Tom Van-DeWalle, Steve VanAcker, Bob Maibusch, Les Rutan, Roger Stewart, Mike Bavier, and John Stephenson. In the team competition the MAGCS finished 1st in the net point division! The winning team was composed of John Stephenson, Bob Maibusch, Al Fierst, and Roger Stewart. Congratulations to all of the winners!

Planning will be underway shortly for the 1996 MAGCS Hospitality Suite in Orlando. Ideas to make next year even better are always appreciated, so please let us know. Your input will help ensure that the Midwest stays a step ahead in promoting the image and cause of its members.

Please Support Our Advertisers

COLTEN

TOMMY WITT, CGCS

March 7, 1995

Fred Opperman 810 Greenwood Avenue Carpentersville, IL 60110

Dear Fred:

Would you please publish the following remarks in the Bull Sheet. I would appreciate it very much.

MAGCS Membership:

I am deeply appreciative of the support you provided during my recent campaign for Director of GCSAA. I owe a special debt of thanks to Roger Stewart and Bob Maibush, our voting and alternate voting delegate. These professionals take their responsibilities very seriously and are to be commended. Due to the success of the campaign, I have been afforded the opportunity to represent you and the GCSAA membership for the next two years. If I can be of any assistance or service, feel free to contact me at any time.

Thanks so much for the welcome and support you have provided me. The MAGCS is truly an outstanding association. I have visited numerous chapters over the years and I can tell you the Midwest is at the top of the list. I am proud to be a member of the MAGCS and will certainly do my best to serve you.

Sincerely, Tomy & W.T.

Tommy D. Witt, CGCS Director, GCSAA



CIBA HAS SIMPLIFIED MEASURING, Th HANDLING AND CONTAINER DISPOSAL

These products are still available in quarts, gallons and the 15 gallon TurfPak.



Primo WSB

۲

Primo, Ciba's turfgrass growth management tool, is now available in *Water Soluble Bags*.

- Give seedlings a competitive edge
- Controls most grasses
- Poa Annua expansion minimized

Banner, Ciba's broad spectrum fungicide is now available in *Water Soluble Gel-Packs*.

- Limited potential for personal exposure
- No container disposal problems





FOR INFORMATION CALL: Arthur Clesen, Inc

543 Diens Drive • Wheeling, IL 60090 • (708) 537-2177 • FAX (708) 537-2210

WHY YOU NEED PROTECTION FOR YOUR IRRIGATION CONTROL SYSTEM



Devastating lightning strikes and catastrophic power surges and spikes are all too common occurrences on today's golf courses. The sensitive nature of today's critical computer based systems require special coordinated

protection to prevent catastrophic damage to expensive irrigation control equipment.

The D & B Power Protection Package is designed specifically for golf course irrigation systems to eliminate the problem. For a free brochure contact:

D & B SALES ASSOC. INC. 140 Glengarry Drive, Geneva IL 60134 708-232-6411 fax708-232-6414



SOLID AGRONOMY®

 90% WATER INSOLUBLE NTIROGEN SLOW FILLAR TO MINIMIZE SUBGE GROWTH AND LEACHING
 UNIFORM APPLICATION EVEN AT LOW MITROGEN BATES TO MODD "RECEIVED"



IT'S TOUGHER Than Ever To produce Great greens.

SAND BASED GREENS. FREQUENT SAND TOP DRISSING, AND IMPROVED DRAINAGE SYSTEMS MAKE IT DIFFICULT TO KEEP THE NUTRIENTS TURIGRASS NEEDS IN THE ROOTZONE.

MILORGANITE HELPS Maintain great greens by keeping nutrients in the rootzone.

> CONTACT YOUR MILORGANITE DISTRUTION OR OUR STAFF AGRONOMISTS FOR FURTHER INFORMATION.



 COMPLETE MICRONUTRIENT PACKAGE CHILATED IRON IN AN ORGANIC COMPLEX HIGH IRON: NITROGEN RATIO

 No salt to create stress or burn on turj MILORGANITE DIVISION - MMSD 1101 North Market Street Milwaukee, WI 53202 414-225-3333

Director's Column Education Second to None

by Don Ferreri

Another spring is upon us as we begin to embark upon our "busy season". At least we can venture out of doors, but I don't know how much busier we are in the spring compared to the winter.

As chairman of the education committee and a member of your board of directors, my "off season" did not seem too quiet. Like most of you, I find plenty to do in the



winter months. I use much of this time to read our periodicals and catch up on new techniques. As well as refresh my views of old ones.

At the G.C.S.A.A. conference in San Francisco during February, I paid close attention to a wide variety of education offered. While it was a very strong line up, I was pleased to find that we in the Midwest are exposed to much of this all year long. In Chicagoland, we are very fortunate to be on the cutting edge of our industry. I was happy to find through conversations at the convention that this opinion is shared by superintendents across the country.

We have a large library of resources to choose from which includes top educators, seasoned veterans, computer programs, knowledgeable commercial members and our own agronomists. My favorite senario at the conference, as well as throughout the year is the round table discussion. Many of you know this resource well. They take place in one of our favorite eateries with a cold beverage of choice. The knowledge and experience openly shared by all is to be commended. Golf Course Superintendents have always unselfishly come to the aide of others. Competition never becomes a factor. This is a very unique quality to our profession and makes me proud to belong to such a fine fraternity.

It is your responsibility to yourself as well as your golf course or business to share in this loop of communication. Support your associations locally and nationally by attending meetings and volunteering for committees. Everyone has key information to share with others. We as an association can benefit from you if you could speak at a meeting, write an article for the **Bull Sheet**, or even put me in contact with someone that can. I am also looking for topics of interest that you would like to learn about.

On a recent trip to Lake Tahoe, I could have used two earlier suggestions. Drink management and gambling techniques made easy. They both would have been very beneficial. Call me with any suggestions for education you might have. I would like to continue a strong line-up for the rest of the year.

Remember that communication is the key to success. Our profession is the envy of many, let's keep it that way.



FULL SERVICE GROUND WATER SPECIALISTS



Meadow Equipment Sales & Service, Inc.

Well Drilling Contractors / Pump Service 27 W. 021 St. Charles Road Carol Stream, IL 60188

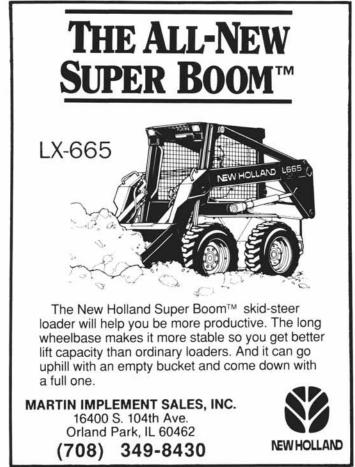
- Water Well Drilling
- Pump Sales and Service
- Water Well Sealing & Capping
- Complete Waterwell Systems
- Large Selection of Pumps Line Shaft / Submersible
- Well Rehab & Chlorinations
- Maintenance Programs
- 24 Hour Emergency Service

Authorized Sales and Service for Leading Pump Manufacturers

> WHEATON: (708) 231-6250 ST. CHARLES: (708) 584-6210 BENSENVILLE: (708) 766-1906

> > "Where Meadow Goes, the Water Flows"







THE PROFESSIONAL'S SINGLE SOURCE - -

CHEMICALS

SIGNAL Spray Colorant INCIDE-OUT Spray Tank Cleaner TRUE BLUE Lake and Pond Dye DIRECT Drift Retardant BALANCE pH Adjuster TEE-UP Ball Wash KNOCKDOWN Defoamer PEN-A-TRATE II Spreader/Activator

ENVIRONMENTAL AND SAFETY

CHEMSORB® GOGGLES SARANEX/TYVEK SUITS GLOVES BOOTS WASH STATIONS

CALL US FOR INFORMATION ON THESE PRODUCTS--AS WELL AS MANY OTHERS: 800-323-6280.



PETER E. MULLIGAN (708) 832-5783

MULLIGAN & ASSOCIATES - GENERAL AND CONCRETE CONTRACTORS - RINSATE PAD DESIGN AND CONSTRUCTION

516 PARK MANOR · ELMHURST, ILLINOIS 60126





A Passing Noted: William H. Daniel

William Hugh Daniel, 75, professor emeritus at Purdue University, died Friday, Feb. 25, 1995, at St. Elizabeth Hospital Medical Center, West Layfayette, Ind.

Dr. Daniel, a pioneer in turfgrass management, retired from the Department of Agronomy at Purdue in 1985, where he had been on staff for 35 years. He pioneered turfgrass research and educational methods, and was the developer of the PURR-Wick Water Management System and Prescription Athletic Turf (PAT).

He was the author of numerous articles in technical and popular journals and was senior author of *The Turf Managers' Handbook*. He was a leader in developing the International Turfgrass Society.

A graduate of Ouachita University, he earned a bachelor's degree in science from the University of Arkansas and a master's degree in soil fertility and a doctorate from Michigan State University. He was a Fellow in the American Society of Agronomy, and had received its Agronomic Service Award.

In 1975 Dr. Daniel received the GCSAA's Distinguished Service Award, and in 1984 received the USGA Green Section Award. He received the Midwest Regional Turf Foundation's Distinguished Service Award and in 1981 was inducted into the Indiana Golf Hall of Fame.

Cecil F. Kerr, Kalamazoon, Michigan

Dr. "Bill" Daniel was an inspiration and a motivating force in the lives of Turf Managers throughout the Midwest. He was a role model to us all! The early Midwest Turf Conference at Purdue was attended by the leading Turf Managers throughout the midwest states. Students of Bill Daniel became leading Superintendents, educators, and outstanding leaders in this vital industry.

Bill Daniel motivated me to become active in the Turf Industry. He helped me to become a better person professionally and spiritually. I appreciated Bill as a friend. We early turf workers owe much of our success to Bill Daniel. He was a fine leader we respected and followed. We will miss him.

Julius Albaugh, CGCS Westmoreland Country Club, Class of '63

It was at the GCSAA Conference and Show in San Francisco when I received word of the passing of Doctor Daniel. My initial feeling was of sadness and a great loss. But as a former student and Golf Course Superintendent, his memory will live forever in my heart.

As a Turfgrass Educator he gave me an occupation and direction. With his research and leadership of the Midwest Regional Turf Foundation and Turf Conferences at Purdue he kept all in the turfgrass industry abreast of the need for continued education. Doctor Daniel was a special friend I could call on to help solve any problem.

PRESSURE WASHERS



250 to 2,000 PSI

NEW AND USED

FREE DEMO

- SALESSERVICE
- PARTS
- CHEMICALS

CALL TOLL FREE 1-800-666-3900

"The Cleaning Equipment Specialists Since 1976"



General Manager

708-893-0777 • FAX (708) 893-1045

1-800-666-3900 Sales Service Parts Rentals Chemicals 25 S. Park Street • Roselle, Illinois 60172

(continued page 10)

John Turner, Class of '80

I am honored to have known Dr. Bill Daniel, as a former student and through the profession in turfgrass science. His friendship was always genuine with an added touch of the "boilermaker" tradition. He greeted you as "friend" and inquired to know "how were you doing" and "what have you learned throughout your travels". When you would ask about his current activity, he replied, "I am keeping busy with my family and playing golf". Also, "So nice to allow me to share my time and work with you".

As my farewell to Dr. Daniel, thank you for allowing me to serve with you!

Joe Williamson, Burr Ridge C.C. Class of '69

Dr. W. H. Daniel, Professor of Turfgrass Management at Purdue University, recently passed away at his home in West Lafayette, Indiana. He was a very caring individual who took an extreme interest in each and every student who had the pleasure of being a part of his program. I can remember as a student in the Class of 1969, there was a total of four of us who went on to work in the turfgrass field in some capacity. He and his wife Gwen would have the four of us out to his house for a cookout at least two to three times per year.

Dr. Daniel will probably be best noted for his research with the arsenicals in an attempt to control Poa Annua, as well as his involvement in the Prescription Athletic Turf (P.A.T.) system he developed for athletic fields. The PAT system is currently being used in Ross Ade Stadium, The Orange Bowl, and RFK Stadium, just to name a few.

"Doc" as we all called him, will be missed not only by his family, but by former students, friends, and peers. My sympathy goes out to Gwen and the entire Daniel family.

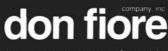
Dick Trevarthan, Prestwick Country Club Class of '59

As a freshman at Purdue University, I wandered into Dr. Daniels office looking for a part time job. Previous to this I was an animal husbandry major with no experience of any kind in the turf field. Dr. Daniels not only gave me a job, but helped line up my first summer job working at Louisville Country Club. In turn, he influenced me into joining the turf management field which at time proved to be rocky at best. It took me until about my first semester junior year to realize that I was in college. He paid us \$1.10 per hour and always had work scheduled for us on the office board. That famous board! Upon graduation (yes, I graduated), he was just a phone call away to help solve any problems. Dr. Daniels was always looking for interesting topics and speakers to put on the annual Midwest Turf Conference. (I always liked the way he ran the annual Midwest Turf election for directors). Dr. Daniels to me is the father of all turf conferences. People in all parts of the turf industry would attend the annual spring conference at Purdue.

His legacy is not just the conference, but his students, the university and all people connected with the turf field. My sincere sympathies go to Mrs. Daniels, the family, and all Dr. Daniels' friends. I can only hope the best for them in the future. (continued page 13)

Specializing in Golf Course Renovations

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



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

Greens renovation in your future?

Make it easier on yourself and eliminate the auesswork! Call for this brochure that takes you through three different reno-There's vation methods step а by step. Call today FRFF and ask for the Greens Renovation brochure Brochure. It's yours for the asking ... FREE! Lofts Seed Inc. Bound Brook, NJ (301) 595-1970

(800) 472-7701