



# Vertagreen

## A product for all reasons



- Balan offers pre-emergence control of Poa Annua, crabgrass, goose grass, water grass and foxtail.
- Uniform particles flow smoothly, spread evenly.
- One-fourth the nitrogen is Urea-Formaldehyde
- Contains secondary and micro-nutrients — S, B, Mn, and Zn.
- All potash derived from sulfate of potash.



## Agri-Chemicals

Division of United States Steel

P.O. Box 1685,  
Atlanta, Georgia 30301

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### MINNESOTA TORO, INC.

HOLE NOTES, official publication of the MINNESOTA GOLF COURSE SUPERINTENDENTS' ASSOCIATION.

EDITOR - WARREN J. REBHOLZ  
6550 YORK AVENUE SOUTH  
SUITE 301  
EDINA, MINNESOTA 55435  
PHONE - 612/927-4643

ASSOCIATE EDITOR - THOMAS P. MAGNE

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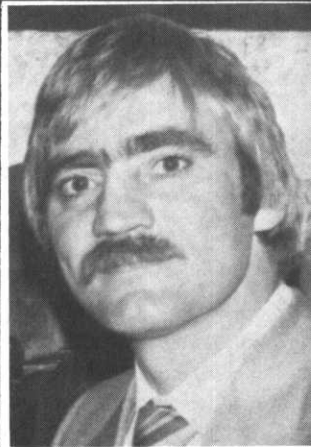
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**THE MAIN DIFFERENCE**

... between private enterprise and government is found in this comparison: The formulas for making Coca-Cola and Kentucky Fried Chicken are still secrets. How to make a hydrogen bomb is on the newsstand.



**FROM THE  
PRESIDENT'S  
DESK**

Now is the time to make our decisions on what we are going to do and how we are going to protect our turf from winter injury. Many chemicals or combinations of chemicals are available to effectively control snow mold. However, winter injury, as was proven to us last spring, is more severe sometimes than diseased damaged turf.

Are there any alternatives? Yes, I think there may be. However, there may be as many solutions as problems. One solution may be late fall very heavy top dressing of greens and tees. I, along with many other superintendents, have tried top dressing and have realized some satisfying results.

More important than applying materials to protect the turf from winter injury problems is to very carefully inspect our courses for situations which may lead to the problem. So what I'm saying is that the majority of our problems we may have next spring are the results of existing situations today. The present situations that may later be problems are compaction, low fertility, shallow roots, water logged soils or all of the above.

The more proficient we become at identifying situations that later become problems, the more effective we can be in correcting those situations. It's rather like noticing some surface rust on the fender of our automobiles. If we do nothing to eliminate the rust, by next spring that fender may require costly repair. Maybe it's like the ad on T.V., "You can pay me now or pay me later".

Next month's meeting will be at the Hanson House in Long Lake, Minn.

On behalf of all members, Thank You, Host Superintendent Steve Schumacher and all the people at the Hastings Country Club. The weather on October 13 was a little chilly, but the hospitality was very warm.

# HASTINGS' HIGHLIGHTS



DELUXE OPERATOR. Kromer Company's Fran Clark makes it look easy.



DIFFICULT. The Par 3 ninth yields many bogies and few birdies.



NEW MEMBERS. Left to right, Harold Davis, Douglas Nuernberg and Dennis Voigt were accepted.



RAKISH. Kent Kromer demonstrates sand trap raking unit.

We're seen in all the  
right places.



**E-Z-GO**  
**TEXTRON**

**STEGNER GOLF CARS**  
5900 UNIVERSITY AVENUE N.E.

Minneapolis ..... 571-4230  
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# 53rd Annual Turf Conference & Business Meeting December 3, 4 & 5, 1980



## Sheraton Inn-Northwest

SHERATON HOTELS & MOTOR INNS. WORLDWIDE  
INTERSTATE 94 & U.S. 52, BROOKLYN PARK, MINN. 55428

### Featured Speakers

DR. JIM LATHAM  
DR. WARD STIENSTRA  
MR. LARRY VETTER  
G.C.S.A.A. REP.  
U.S.G.A. REP.

MR. HOWARD BARNHILL  
DR. JOHN P. McNAMARA  
DR. JAMES BEARD  
DR. DONALD WHITE  
DR. DON TAYLOR

### Special Events

WEDNESDAY, DECEMBER 3  
THURSDAY, DECEMBER 4  
FRIDAY, DECEMBER 5  
**THURSDAY MORNING PRAYER BREAK 7:45A.M.**  
**(Coffee & Rolls Available)**

ANNUAL MEETING 4:00 P.M.  
SMOKER 5:30 P.M.  
THEME PARTY  
COCKTAILS 6:30 P.M.  
DINNER 8:00 P.M.  
DANCING 9:00 P.M.

### Registration

DECEMBER 3 11:00 A.M. - 1:30 P.M.  
DECEMBER 4 & DECEMBER 5 7:45 A.M. - 9:00 A.M.

NOTE: Special Advanced registration mailing will be sent to all members at the end of October.  
Lodging at the Sheraton Inn Northwest should be handled directly with the Inn. See Reservation Blank below.

## Sheraton Inn-Northwest

Interstate 94 & U. S. 52  
12 Meeting and Banquet Rooms  
Guest Self-Service Laundry  
Children under 18 Free in Parent's Room  
Free Parking

SINGLE OUTSIDE \$37.00 - DOUBLE OUTSIDE \$45.00  
SINGLE POOLSIDE \$44.00 - DOUBLE POOLSIDE \$53.00

**RESERVATIONS WILL BE HELD UNTIL  
6:00 P.M. UNLESS GUARANTEED**

I may not arrive before 6:00 P.M. I wish to guarantee payment for my room (s). You may bill me at the address shown. I understand you will hold my reservation for late arrival. I may cancel this guaranteed reservation at any time prior to 6:00 P.M. of the day of my arrival.

\_\_\_\_\_  
(Guest Signature)

Reservations should be received \_\_\_\_\_ weeks  
in advance of function date. \_\_\_\_\_

(Please Print)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE AC(\_\_\_\_\_) \_\_\_\_\_

REPRESENTING \_\_\_\_\_

DATE OF ARRIVAL \_\_\_\_\_ TIME \_\_\_\_\_

NO. OF NIGHTS \_\_\_\_\_ NO. OF ROOMS \_\_\_\_\_

TYPE \_\_\_\_\_ RATE \_\_\_\_\_

NO. OF GUESTS \_\_\_\_\_

Adults Children

SPECIAL REQUESTS MGCSA TURF CONFERENCE

PARTICIPANT

FOLD HERE

# PUTTING PESTICIDES ON ICE

As winter approaches, the question of how to store leftover pesticides becomes an important one in many parts of the country. Ordinarily, public attention tends to focus more closely on improper application of pesticides, but recent news reports have graphically demonstrated the consequences of improper pesticide storage.

By their very nature, pesticides require careful handling and use. If they are misused, they can cause serious damage to people, animals and plants. Most of the time, pesticide hazards can be reduced by advance planning, common sense and, most importantly, reading the labels on pesticide containers.

By following these general guidelines, the dangers involved in storing pesticides can be greatly reduced: 1) Always store pesticides in the original container with intact, legible labels. 2) Never use any kind of food or beverage container for mixing or storing pesticides. 3) Store in an area located away from human food or seed storage. 4) The storage area should provide cool, dry conditions with good ventilation. Direct sunlight should not strike pesticide containers. A heat source may be needed in regions with below-freezing temperatures. 5) The storage facility should be equipped with a secure lock. Only authorized people should have access to potentially dangerous chemicals. 6) The storage area should be equipped with a fire extinguisher as well as first aid materials. First aid equipment, especially an eye wash station, is particularly important if the area is used for mixing chemicals. 7) Maintain an inventory of pesticides, including the compound name, type, amount and date received and the amount and date used. It is also helpful to mark containers with the date they were received. 8) Keep containers tightly closed and check frequently for leakage. Faulty containers should be replaced before they create a hazard. 9) A concrete, washable floor is desirable, but wash water should not be allowed to flow into any open body of water. 10) Check pesticide container labels for any special storage requirements.

Call US  
for the best  
in Turf Equipment,  
The KROMER CO  
612/472-4167



- |             |  |
|-------------|--|
| *MYERS      | Sprayers                                       |
| *SMITHCO    | Red Rider, Trucksters, Sprayers,<br>Trap Rakes |
| *HOWARD     | 48" to 82" Rotary Mowers                       |
| *HECKENDORN | 36" to 88" Rotary Mowers                       |
| *TURF-VAC   | Leaf & Debris Vacuums                          |
| *ROSEMAN    | Gang Mowers                                    |
| *DIADEM     | Fertilizer Spreaders                           |
| *HEFTY      | Diesel & Gas Tractors                          |
| *DAVIS 500  | Golf Cars                                      |
| *KWH        | Blowers & Mist Blowers                         |
| *TEX. REF.  | Tire Seal                                      |
| *WD-40      | Preservative                                   |

## KROMER CO

3455 County Road 44, Mound, Mn. 55364  
TELEPHONE 612-472-4167

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## POSITION WANTED

SUPERINTENDENT'S POSITION WANTED.  
18-HOLE GOLF COURSE  
TEN YEARS EXPERIENCE - ANOKA GRADUATE.  
EXPERIENCE ON PRIVATE, MUNICIPAL AND  
CONSTRUCTION OF NEW COURSE.

RESUME UPON REQUEST OR CALL LYLE OLSON,  
611 WEST 30TH AVENUE, MILAN, ILLINOIS  
61264. TELEPHONE 309/787-6408.

## CERTIFIED?

The certification examination is scheduled for Sunday, January 27, 1981 during conference week. To be eligible to apply for certification one must be currently employed as a Golf Course Superintendent and have been a Class A member of GCSAA for at least two years. Qualified candidates for Certification should contact Palmer Maples, Jr., CGCS, GCSAA Director of Education before December 31, 1980 to arrange for testing at the 1981 conference.

January 1981

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20				

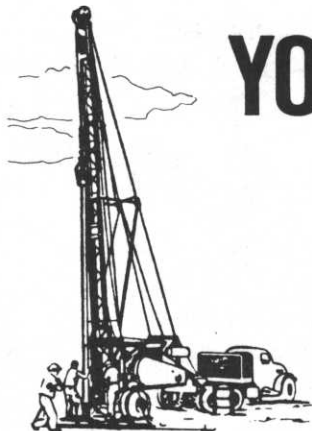
*Mark Your Calendar Now!*

GCSAA's 52nd International Turfgrass

# Conference and Show

Anaheim, Calif. Jan. 25-30, 1981

			21	22	23	24
			Tournament practice rounds at Industry Hills GC, Anaheim Hills GC		GCSAA Golf Tournament	Seven GCSAA Seminars begin
25	26	27	28	29	30	31
Seven GCSAA Seminars continue	Conference Opening Session  Get-Acquainted Party	Trade Show opens  Education Sessions Continue	1981 Annual Meeting	USGA Green Section Turf Conference  Trade Show Annual Banquet	Golf Course Tour — Industry Hills GC  Disneyland Fun Day	Postconference Tour departs for Hawaii



## YOUR BEST SOURCE OF WATER

- Experienced well drilling contractors
  - Well and pump maintenance and repairs
  - 3-D well photo surveys
  - 24-hour answering service

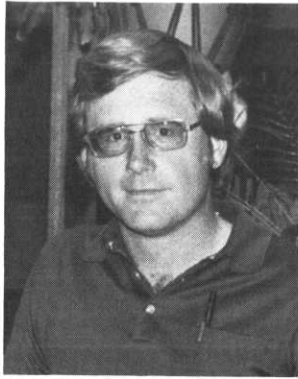
**Bergerson-Caswell, Inc.**

CALL FOR A FREE ESTIMATE  
612-479-3121

5115 Industrial St., Maple Plain, Mn. 55359

MEMBER: M.G.C.S.A. AND G.W.I.

# A Meaningful Combination .....



## You and G.C.S.A.A.

I have often heard people say, "Why should I join the Golf Course Superintendents' Association of America? All I would get is the monthly magazine". If this were true, why then have over 4,000 people joined G.C.S.A.A.? Is the magazine that outstanding to pay \$90.00 a year for? Maybe G.C.S.A.A. does have more to offer. Let's take a look.

### STEVE YOUNG

..EDUCATIONAL PROGRAMS. Annual Turf Conference and Show.... features educational sessions and the largest turf equipment display in the world. NEW MEMBERS RECEIVE FREE ADMISSION THE YEAR THEY JOIN!!

..Educational Seminars....a variety of topics are available and are presented in various locations of the U.S. and just before the Annual Turf Conference. Topics include: Management, CPR, Photography, Design Principles and Turf Nutrition.

..PUBLICATIONS. Golf Course Management....a leading technical golf-turf magazine which contains both scientific and practical articles. No charge to G.C.S.A.A. members.

..SPECIAL SERVICES. Employment Assistance....a variety of services to members seeking new positions are offered. A member can be put on the Employment Referral Service list which circulates information about job openings throughout the country. New positions are advertised in Golf Course Management and Class AA, A, B, Associate and Student members may receive listings in Golf Course Management.

..INSURANCE. G.C.S.A.A. membership includes group life insurance without a physical exam for all members under age 65. Additional insurance is available on an optional basis.

..Most Important of All....by becoming a G.C.S.A.A. member you are strengthening an organization that has already benefited you just by its existence. G.C.S.A.A. has upgraded our profession and has an influence on you, both professionally and monetarily.

I personally have gained by belonging to both my State and National associations. The biggest benefit to me is meeting people from other parts of the country and discussing common problems ranging from diseases to personnel to sand-top dressing.

Your club can save thousands by investing a few hundred to help you become part of a dynamic organization which will continue to lead the turf industry and provide the attractive golf courses we all enjoy today. Join now!

Fill out the enclosed membership application form and return to me. I will get the necessary signatures from our officers and forward to the National Association. Don't forget to include \$90.00.

### SPECIAL NOTICE:

The DNR has developed a new hybrid game fish. They crossed a Coho Salmon with a Walleye and a Muskie. The new fish is called a "Cowallski" and as soon as they teach the fish to swim, it will be released in Minnesota waters!





# GOLF COURSE SUPERINTENDENTS ASSOCIATION OF AMERICA

1617 ST. ANDREWS DRIVE / LAWRENCE, KANSAS 66044 / A.C. 913-841-2240

INDIVIDUAL

## Membership Application

Name of Applicant (Please print last name first)		<b>OFFICE USE ONLY</b>		
Address	Phone			
City	State			Zip
Preferred Mailing Address	Home <input type="checkbox"/>			Club or Company <input type="checkbox"/>

Club or Company Name		Date of Birth:
Address	Phone	Title of Position:
City	State	Zip
Date Started Position:		MO. DAY YEAR

Past positions held (prior to current employment)				
From MO. & YR.	To MO. & YR.	Title	Place of Employment	City & State

Have you ever been a member of GCSAA? Yes  No

If you are employed by a GCSAA Member, please identify: \_\_\_\_\_

FOR ANNUAL MEETING AND ELECTION PURPOSES	
Are You A Member of A Chapter Association? YES <input type="checkbox"/> NO <input type="checkbox"/>	Name of Association: _____
Please have Chapter Secretary or Officer Approve this application:	How will you vote? <input type="checkbox"/> With Chapter <input type="checkbox"/> Individually

Each application MUST be signed (Attested) by two voting members of GCSAA who thus certify as to the reliability of the Applicant's information as stated above

Attestor: (Signature)	Name (typed or printed)	Date Attested	Member Number
Attestor: (Signature)	Name (typed or printed)	Date Attested	Member Number

**Insurance Enrollment Information** NAME OF BENEFICIARY: \_\_\_\_\_ The right to change beneficiary is reserved.  
(Please print the first and last names e.g., "Mary Smith," not "Mrs. J. Smith" or "Mrs. John Smith.")

RELATIONSHIP TO MEMBER: \_\_\_\_\_ The right to change beneficiary is reserved.

I hereby apply for insurance under Group Policy issued to the Golf Course Superintendents Association of America by the BANKERS SECURITY LIFE INSURANCE SOCIETY subject to all the terms, conditions and provisions of said policy.

I hereby make application for membership in the Golf Course Superintendents Association of America and attach herewith my dues for one year in advance in the amount of \$90.00 for individuals. I promise to adhere to the Code of Ethics as stated on the back of this application.

\_\_\_\_\_ Date of Application \_\_\_\_\_ Signature of Applicant

**IMPORTANT INSTRUCTIONS:**

1. Fill out form completely and legibly. 2. Fill out insurance card. List beneficiary with full first and last name. 3. Have two GCSAA voting members (AA, A or B members) sign (Attest) this application. 4. Have your chapter association secretary sign. 5. You (the applicant) sign where indicated. 6. Enclose check for full year's dues (\$90.00) for all applicants. **IMPORTANT: No application will be considered without annual dues amount submitted with this application.**

FOR GCSAA OFFICE USE ONLY	
Type of Insurance _____	Membership Effective Date _____
Dues Received \$ _____ Date _____	Recommended for Approval _____
Check No. _____ Dated _____	Membership Chairman _____
Issued by _____	



# EVALUATING YOUR OPERATION

With the passing of summer, golf course superintendents in many parts of the country have an opportunity to step back, take a deep breath and evaluate their operations. On many courses, heavy player traffic has slowed, seasonal employees have gone and budget time is approaching. It's time to take inventory.

Besides the problems of getting the course and equipment ready for winter and inventorying leftover supplies, it's also time to look back over the summer and take a mental inventory of your operation's strengths and weaknesses.

For example, what went wrong during the season? Was your course damaged by disease or insects? If so, what can be done to prevent a recurrence? Now is the time to figure out what should be done and when.

Were your crew members aerifying the course on the day of a club tournament? The slow seasons are the time to work out lines of communication to prevent such misunderstandings from happening next year.

What can be done to improve the course? Take an objective look at your irrigation system, your equipment and the design and condition of your course. Maybe this is the time to plan improvements.

While you are evaluating your performance over the last season, don't overlook the things that went especially well, either. Did you pick up any additional responsibilities this year, responsibilities you might like to continue? Did you try a new scheduling program that was effective? How can it be changed to work any better?

Which of your employees really came through for you? Did an assistant take over some of your responsibilities and run with them? Which employees are willing to put out a little extra effort? Which ones seem to have good, new ideas? Did one of your seasonal employees prove to be especially hard-working and reliable? If so, you will want to make arrangements to have him back next year.

Now take a look at those projects that were put off all summer. Now is the time to dust them off and get to work on them.

Here is where a good filing system comes in handy. By taking clear notes on problems and opportunities as they occur, and by adding to those notes when you evaluate your operation at the end of the season, you can develop a handy reference tool for use in the future.

Whatever your evaluation of the summer proves, it's important to reap whatever benefits you can. If everything went relatively smoothly, it's just as vital to know why as it is to uncover the causes if there were problems. By building on the past year's achievements and avoiding its mistakes, we can face anything the future has to offer.

Reprint FORE FRONT

## WORTH REMEMBERING

It's unwise to pay too much, but it's unwise to pay too little. When you pay too much, you lose a little money; that is all. When you pay too little, you sometimes lose everything because the thing you bought was incapable of doing the thing you bought it to do.

The common law of business balance prohibits paying a little and getting a lot - it can't be done. If you deal with the lowest bidder, it's well to add something for the risk you run. And if you do that, you will have enough to pay for something better.

John Ruskin

# ROBERTSON

## TURF CARE PRODUCTS

4600 Akron Avenue  
 Inver Grove Heights, Minnesota 55075  
 Phone: (612) 455-8500

### Self-Propelled Turf Sprayer

**4 Wheels**  
 Smoother ride.  
 More stability.



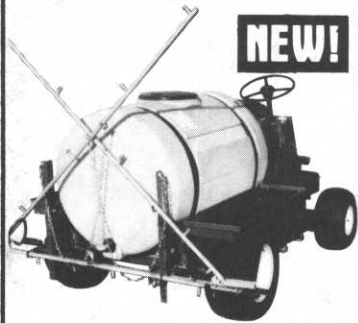
**High Flotation**  
 Twice as much as a  
 utility truck and sprayer.

**NEW!**

### Hahn Spray-Pro

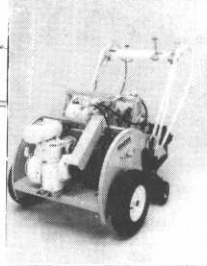
Precision application. Fast efficient spraying.  
 Centrifugal pump. 100 p.s.i. max. 55 g.p.m.  
 High pressure piston pump and hand gun optional.  
 16 h.p. cast iron engine. 3-speed transmission  
 160 gal. polytank with agitator.

*33 years experience building  
 self-propelled sprayers.*

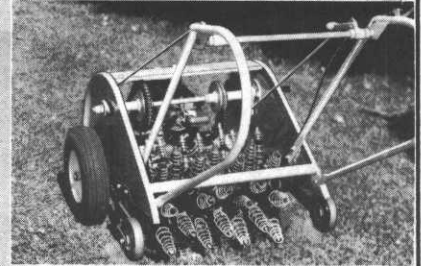


Converts to a utility truck & topdresser with available options

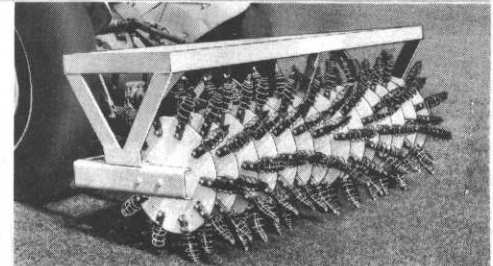
### Hahn Vertifiers and Aerifiers



MC-5C Vertifier



JR-3 Aerifier



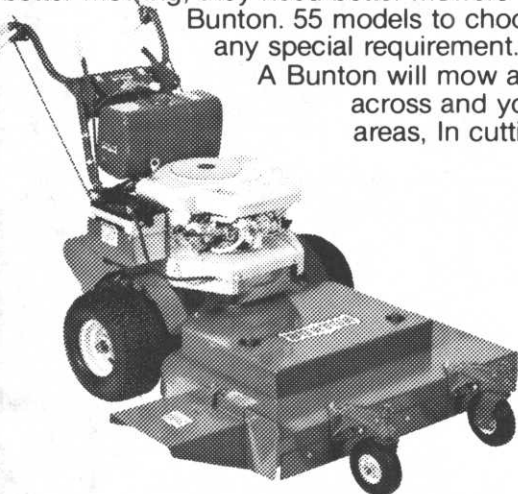
## New... AND AVAILABLE NOW!

# BUNTON

To be dependable, the "Pros" need dependable mowers. To do better mowing, they need better mowers—no wonder they prefer Bunton. 55 models to choose from, meeting most any special requirement.

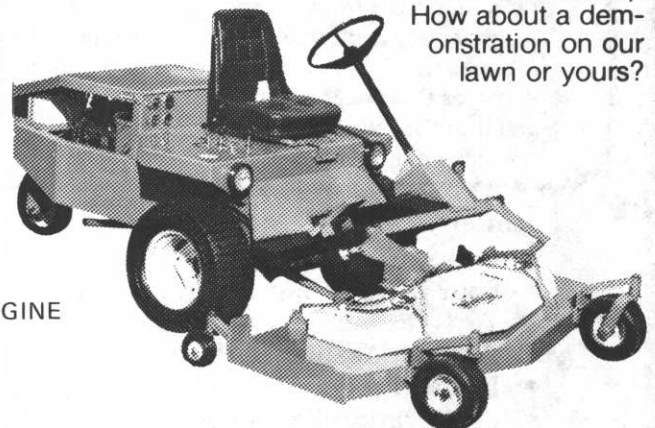
A Bunton will mow any grade you can walk across and you can ride on the level areas. In cutting widths up to 20' 4",

**"Bunton Builds 'em Better".**  
 (Could be why they are used world-wide).  
 How about a demonstration on our lawn or yours?



36 In., 16H.P.  
 Rider Optional

GAS OR DIESEL ENGINE



**71" AND 61" FRONT-CENTER  
 MOWERS...19.6 H.P. TRACTOR...**