

HAVE A GREAT NEW YEAR and HERE'S 78's BIGGEST MOWING NEWS

JACOBSEN'S NEW **HF15**

Front mowing tractor
with hydraulically
powered reels

"IN A CLASS BY ITSELF"



- * HYDRAULICALLY POWERED REELS FOR CUTTING SWATHS UP TO 15 FT. THROUGH ROUGH TURF OR FINE GRASSES.
- * CUTTING FREQUENCIES REMAIN CONSTANT - REELS ROTATE INDEPENDENT OF TRACTOR SPEED.
- * INDIVIDUAL HYDRAULIC CONTROLS ADJUST MOWING SWATH FROM 1 to 7 GANGS AND EACH REEL CAN BE REVERSED TO DISCHARGE DEBRIS OR BACK LAPPING WITHOUT DISMANTLING.

LET US GIVE YOU THE COMPLETE PICTURE



R. L. GOULD & CO.

LAWN GARDEN AND TURF SUPPLIES AND EQUIPMENT

3711 LEXINGTON AVE. NO.

ST. PAUL, MINN. 55112

(612) 484-8411

NEW PREZ SEZ - "GET INVOLVED"!

It goes without saying that I'm honored in being elected President of the Minnesota Golf Course Superintendents' Association for 1978.

The 1977 Annual Conference held at McGuire's Inn November 30 through December 2 was a tremendous success. Attendance at all of the functions increased approximately twenty percent. The educational portion of the two and one-half day Conference was of the highest quality, and the Friday evening banquet and dance was enjoyed by all. Many thanks to Carl Johnston (Annual Conference Chairman), Larry Mueller (Arrangements Chairman), Roger Kisch (Entertainment Chairman), and Dennis Hendrickson (Education Chairman) for their parts in this Conference. Also, thanks to all the Associate members who helped man our registration booths and for their support in putting on the cocktail party prior to the banquet.

Looking ahead to the Presidency, I will do the job to the best of my ability. Below you'll find a list of the Committee Chairmen for 1978. In order that this organization can remain successful and progress steadily forward, it is essential that we have membership participation. If you have any thoughts or specific ideas, don't hold back - let the Committee Chairmen know immediately. During the coming year, we plan on upgrading our HOLE NOTES through increased membership input, and we are also hopeful that our Turf Research Program will be expanded to possibly include summer related problems.

Yours for better turf,

Keith Scott
Keith Scott, President
Minnesota Golf Course Superintendents' Association

1978 Committee Appointments

NOMINATING COMMITTEE

Jim Lindblad, Dean Sime

BYLAWS COMMITTEE

Larry Mueller

FINANCE COMMITTEE

Dick De Splinter, George Ostler

MEMBERSHIP COMMITTEE

Bill Johnson

EDITORIAL COMMITTEE

George Ostler, Keith Scott,
Bill Johnson, George Jennrich

EDUCATION COMMITTEE

Dennis Hendrickson

PUBLIC RELATIONS COMMITTEE

Keith Scott, George Ostler,
George Jennrich

ARRANGEMENT COMMITTEE

Carl Johnston, Lyle Olson
Steve Young

ENTERTAINMENT COMMITTEE

Roger Kisch

TOURNAMENT COMMITTEE

John Nylund, Dan Evavold

SCHOLARSHIP, ECOLOGY & RESEARCH COMMITTEE

George Ostler, Jerry Murphy,
Kurt Erdmann, Nick Dunn, Dr.
Ward Stienstra

O.S.H.A. COMMITTEE

Larry Mueller

STILLWATER COMMITTEE

Jerry Murphy

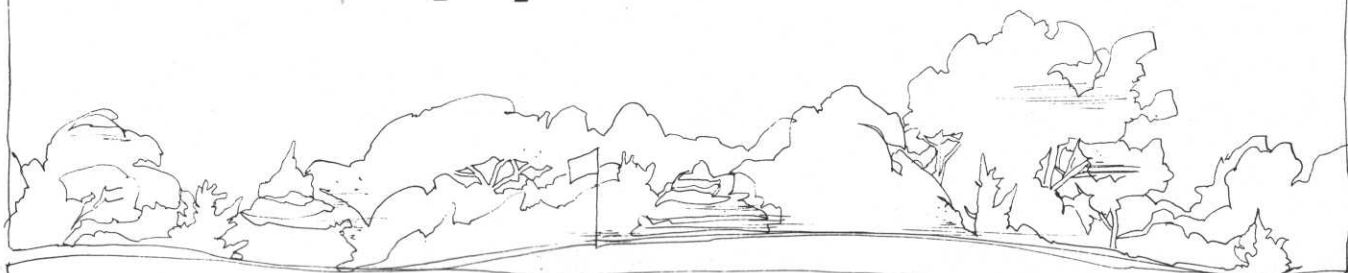
ANNUAL CONFERENCE COMMITTEE (COMBINED EDUCATION, ARRANGEMENTS AND ENTERTAINMENT)

Dennis Hendrickson

HISTORIAN

George Jennrich

USS Vertagreen 17-0-8 with Balan... We'll help you weed and feed!



CALL
MINNESOTA TORO
FOR NEW 78 PROGRAM



HUGE DISCOUNTS ON EARLY ORDERS



Your local USS Vertagreen distributor has a proven fertilizer for professional turf that performs two jobs at once. USS Vertagreen 17-0-8 with Balan gives your fairways a healthy shot of quick-acting nitrogen — and the supply continues because 25% of the nitrogen is derived from urea-formaldehyde. It also controls Poa Annuua, crabgrass, goose grass, water grass and foxtail — thanks to Balan, the highly effec-

tive pre-emergence herbicide.

This versatile and economical product contains sulfate of potash for lush, green color and is rounded out with vital secondary and micro-nutrients including chelated iron. USS Vertagreen with Balan is another reason we say, "see the best, for the best" — and that's your local Vertagreen distributor. He can help you weed and feed.

A product for all reasons.

Distributed By

MINNESOTA TORO, INC.

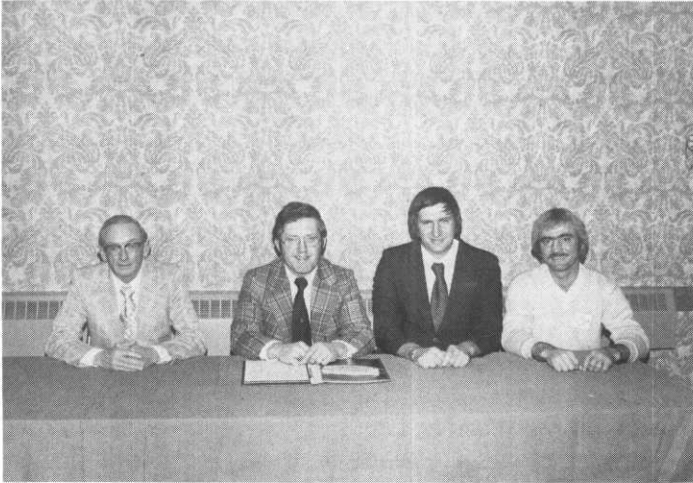


Agri-Chemicals

Division of United States Steel

P.O. Box 1685, Atlanta, Ga. 30301

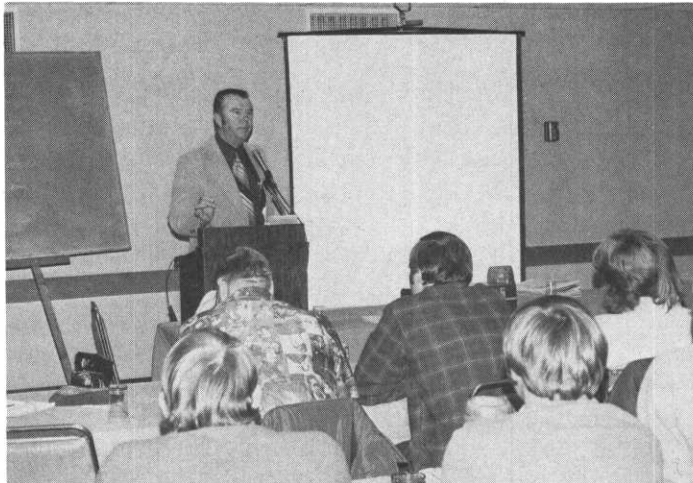
ACTION AT THE CONFERENCE



READY TO SERVE. New officers, left to right, George Ostler, Vice-President, Keith Scott, President, George Jennrich, Secretary and Dick DeSplinter, Treasurer.



WEEKEND WINNER. Lucky Charlie Tillman, left, receives congratulations on winning Madden's Inn weekend for two from Conference Chairman Carl Johnston.



BUG BUSINESS. Dr. Harry Niemczyk tells it like it is about *Ataenius Stretulus*.



ATTENTIVE AUDIENCE. Dr. Joe Vargus offered plenty of food for thought.



NEW DIRECTORS. Dennis Hendrickson, left, and Bill Johnson, right, are new faces on the Board of Directors.



POOLSIDE NIBBLES. Pre-banquet hors d'oeuvres drew hungry, appreciative crowd.

A Creative Approach to Challenges

An assistant golf course superintendent has been given the task of determining the operating condition of a new automatic irrigation system. It's a big job and he is understandably nervous about the outcome. Will he be able to handle the job in a way that will be a credit to him?

Most people have moments of self-doubt, wondering whether they are up to the challenges they face. Challenges are really tasks of problem solving and problems can be solved through creativity.

There are many ways to approach a challenge. Practicing self-discipline, believing in one's ability to succeed, being constructively discontented, using intuition as well as reasoning and escaping from habits are some of the keys to facing a challenge creatively. Self-discipline is freedom from pride. A proud person is one who stifles the key requisite for curiosity. It restricts a change of mind or direction in order to hold the head up high. This is counter creative behavior. It is taking personal responsibility for performing tasks.

Believing in one's ability to succeed is difficult today. It is not ego-tripping; it is ego-strengthening. It is a necessary trait for further development of creative behavior and its concomitant ability to face challenges confidently.

We all have gripes and discontents. In adolescence we tend to let the discontent, which is a healthy trait, turn into a monster. It can be an unleashed demon threatening to destroy. Directing that discontent and learning to develop it constructively comes with age. Discontent is a prerequisite for problem solving. It allows us to look at the world upside down, which is as good a way as any. There must be an attempt to balance our behavior when we face challenges between feeling and knowing, sensing and deciding. It is natural to both feel and think. But we shouldn't smother sensitivity in favor of strengthening reason. We need both to face challenges.

Escaping from habit is probably one of the most difficult tasks confronting a creative approach to problem solving. Habits keep most of us from behaving creatively. To be able to see things in different ways and to remain innovative, it is absolutely necessary to be in control of our habits - always ready to discard them when they get in the way of a clear view.

Creatively confronting challenges demands listening to others, heeding our own logical and sensitive conclusions and not only the dictates of our society. The problem solver is prideless, adventurous, self-disciplined and self-believing. He is someone who wants to resolve problems in a positive way.

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



- *HAHN Self Propelled Gang Mowers, Greensmowers, Aeriators
- *MYERS Sprayers
- *SMITHCO Red Rider, Trucksters, Sprayers Trap Rakes
- *HOWARD 48" to 82" Rotary Mowers
- *HECKENDORN 36" to 88" Rotary Mowers
- *TURF-VAC Leaf Vacuums
- *ROSEMAN Gang Mowers
- *DIADEM Fertilizer Spreader
- *LONG Diesel Tractors
- *TEX. REF. Tire Seal
- *WD-40 Preservative
- *HOLDER Diesel Tractors

KROMER CO

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

Your Northrup King man is also your Adelphi man.

Adelphi Kentucky Bluegrass,* the man-made bluegrass, is one of the outstanding turfseed varieties your Northrup King man can offer you.

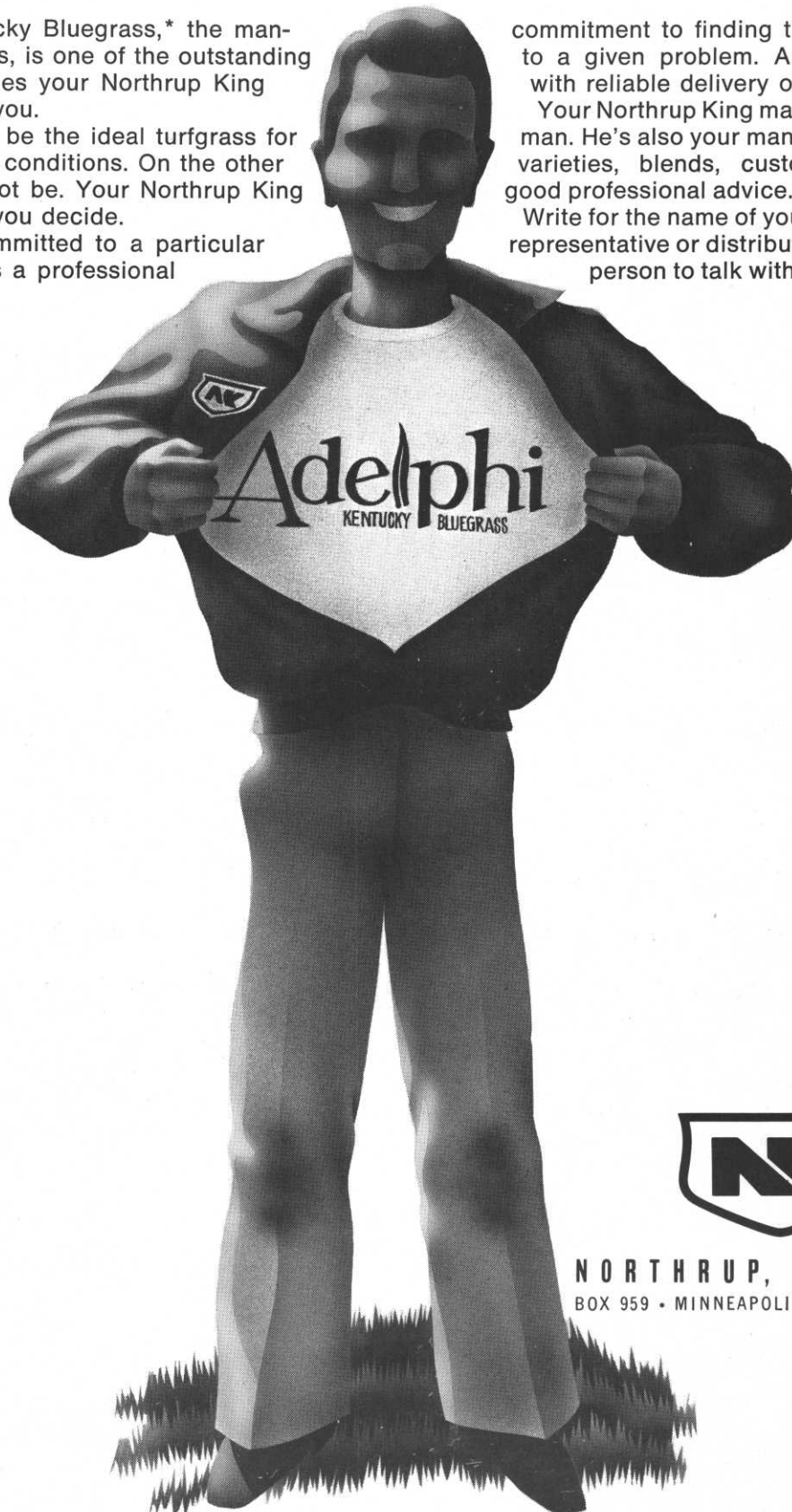
Adelphi may be the ideal turfgrass for your particular conditions. On the other hand, it may not be. Your Northrup King man can help you decide.

He's not committed to a particular variety. He has a professional

commitment to finding the best solution to a given problem. And following up with reliable delivery of quality seed.

Your Northrup King man is your Adelphi man. He's also your man for a lot of other varieties, blends, custom blends and good professional advice.

Write for the name of your Northrup King representative or distributor. He's a super person to talk with.



NORTHROP, KING & CO.
BOX 959 • MINNEAPOLIS, MINNESOTA 55440

*P.P. 3150

Green Clippings

CLIP 1: Dr. James R. Watson, vice president for customer relations of The Toro Co., has been named by the American Society of Agronomy (ASA) as the 1977 recipient of its Agronomic Service Award.

The Society, a 9,400 member scientific educational organization, established the award to recognize the development of agronomic programs and practices and effective public relations programs aimed at promoting the understanding and use of agronomic science and technology by the public.

Dr. Watson, who is Toro's principal agronomist, is an internationally recognized expert on turfgrasses and is widely sought as a speaker at turfgrass conferences and for radio and television shows. He is the author of a number of articles dealing with various phases of turfgrass care and management. His research programs have concentrated on adaptability of species and strains of turfgrass, fertilization practices, snowmold prevention and winter protection techniques.

He grew up in Leesville, La.; earned a bachelor of science degree in agronomy at Texas A & M University and a Ph.D. at Pennsylvania State University. He is a member of the American Society of Agronomy and the Crop Science Society of America.

Last year the United States Golf Association gave Dr. Watson its Green Section Award for distinguished service to golf through his work with turfgrass.

CLIP 2: At the Turf Conference Banquet Gerry Murphy on behalf of the M.G.C.S.A. presented Harold Stodola a framed picture of Harold accepting his Distinguished Service Award from G.C.S.A.A. President Richard Malpass. He also presented Harold's wife, Ethel, a Black Hills Gold necklace to commemorate the occasion.

CLIP 3: SHOW IS A "SELL-OUT" FOR SAN ANTONIO! Exhibitor response to G.C.S.A.A.'s 49th Annual International Turfgrass Conference and Show has been exceptionally good this year. As of December 1 we had virtually sold-out the show; even an additional 4,000 square feet added to the original floor plan in late November. We now have 196 exhibitors of which 46 are new companies. Those attending the Conference and Show will have approximately 52,000 square feet of exhibit space to visit this year if they plan to see everything. The San Antonio Show is the largest in the history of the Assoc.

Headquarters is still receiving inquiries about exhibiting in San Antonio.

CLIP 4: FICTION AND FACT IN JIM'S ALMANAC. Did you know that Texas means friendly? It comes from the Indian word "tejas". From that it's an easy guess as to the state motto - friendship. The state bird is the mockingbird, the state tree - the pecan, state flower - the bluebonnet, state capitol - Austin, state nickname - Lone Star State, and the state song - "The Eyes of Texas Are Upon You". WRONG! The state song is "Texas, Our Texas". Try telling that to a bunch of Texas Longhorn fans at a Texas University football game!

See you in San Antonio, "tejas"!

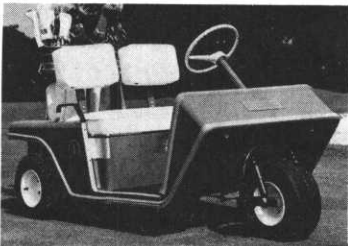
CLIP 5: The Distinguished Service Award, the highest award given by the Golf Course Superintendents' Association of America (GCSAA), will be presented to two educators and a twice-retired golf course superintendent. At the opening ceremony of the 49th International Turfgrass Conference and Show in San Antonio, these men will be honored: Dr. Roy L. Goss, turf specialist at Western Washington Research and Extension Center, Washington State University, Puyallup; Dr. John C. Harper II, extension agronomist at Pennsylvania State University, University Park; and Arthur A. Snyder, CGCS, retired from Paradise Valley Country Club, Scottsdale, Arizona.

EMPLOYMENT OPPORTUNITIES

Applications are being accepted for the position of Golf Course Superintendent, Owatonna Municipal Golf Club. January 15, 1978 is the deadline for all applications.

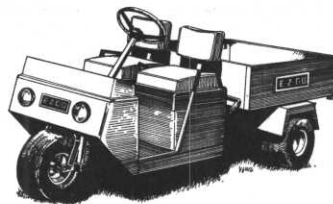
Owatonna is a 9-Hole golf course with the possibility of expanding to 18-Holes in the near future. The summer crew consists of five to six people and the superintendent's position is for nine months with possible three months employment with the city. Fringe benefits include a house plus utilities, city retirement and medical insurance. If interested, send resume to: Louis Jandro, Jr., Chairman, 315 North Maple, Owatonna, Minnesota 55060

E-Z-GO

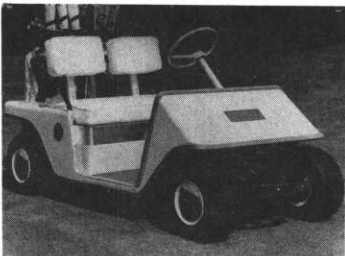


**THE E-Z-GO
MAINTENANCE
MACHINE
GT-7 TRUCK**

**E-Z-GO GOLF CAR
THREE WHEEL MODEL
GAS OR ELECTRIC**



**E-Z-GO GOLF CAR
FOUR WHEEL MODEL
GAS OR ELECTRIC**



LOWEST POSSIBLE PRICES ON ALL NEW AND USED GOLF CARS AND GT-7 TRUCKS.

LARGEST SELECTION OF USED GAS AND ELECTRIC THREE AND FOUR WHEEL GOLF CARS.

FOR MORE INFORMATION CALL OR WRITE

Stegner Golf Cars

DISTRIBUTORS OF E-Z-GO

5900 University Ave. NE Rainbow Bldg. Main St.
Minneapolis, Minn. 55432 Ortonville, MN 56278
Phone 612/571-4230 Phone 612/839-2511

SALES-SERVICE-LEASING-PARTS

APPRECIATION

The resolution concerning our request for building funds which your organization passed at your annual meeting is very much appreciated by all of us in the Departments of Agronomy, Plant Pathology and Soils. Support such as you people have expressed will be most helpful in our reaching the goal of legislative support for the building. The new facilities will enable us to work even more effectively with the golf course superintendents and other groups in Minnesota.

I have not had the opportunity in the past but would like, at this time, to thank M.G.C.S.A. for their support of the research program in turf diseases here in Plant Pathology. Your support and excellent cooperation have been very important to Ward Stienstra's research efforts.

Sincerely,
D.W. French
Acting Department Head
Department of Plant Pathology
University of Minnesota

* EDITOR'S NOTE: HAVE YOU CONTACTED *
* YOUR STATE LEGISLATORS YET? *
* *****

NATIONAL ELECTION SLATE

The slate of candidates for the 1978 Golf Course Superintendents' Association of America (GCSAA) Executive Committee has been announced by Robert M. Williams, Lake Forest, Ill., chairman of the Nominating Committee. The election will be held during the Association's annual meeting in San Antonio, Texas, February 15, 1978 during the 49th International Turfgrass Conference & Show.

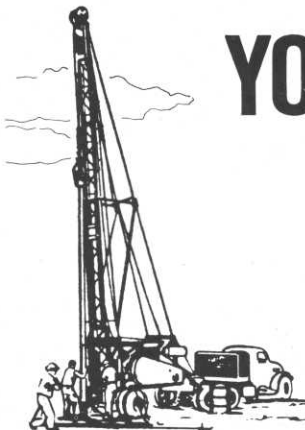
George W. Cleaver, CGCS, is the candidate for GCSAA President. Cleaver, now serving as vice-president, has been a member of the Executive Committee for the past five years. He is superintendent of the Chestnut Ridge Country Club, Lutherville, Md.

Melvin B. Lucas, Jr., CGCS, and Charles H. Tadge, CGCS, both current directors, were named as candidates for vice-president. Lucas is superintendent of the The Garden City (N.Y.) Golf Club and Tadge is superintendent of Mayfield Country Club, South Euclid, Ohio.

The following were selected as candidates for director: Daniel L. Hall, Jr., director of golf maintenance of the Countryside Country Club, Clearwater, Florida; David C. Holler, CGCS, superintendent of the Gulph Mills Golf Club, King of Prussia, Pa., currently serving as director; Robert W. Osterman, CGCS, superintendent of The Golf Club at Aspetuck, Easton, Conn.; C. H. "Clem" Wolfrom, Jr., superintendent of the Detroit (Mich.) Golf Club and James A. Wyllie, CGCS, Lambton Golf Country Club, Ltd., Toronto, Ontario. Two of the five candidates will be elected to three year terms as directors.

An Invitation From Minnesota Toro

A journey into history awaits M.G.C.S.A. members and their wives attending the 49th Turf Conference and Show in San Antonio next month. Minnesota Toro cordially invites you to attend a cocktail reception on Tuesday, February 14 from 5:00 p.m. to 7:00 p.m. at the Cos House in LaVillita located next to the Hilton Hotel and River Theater. LaVillita which means "little town" is in an area that represents San Antonio's colorful past. It features arts and crafts shops, restaurant, museums and small plazas all in the architecture of old San Antonio. At the Cos House on the Paseo DeLaVillita all the gang from Minnesota Toro will be waiting to greet you amid gaily colored streamers and pinatas. A strolling Mariachis group will entertain as you enjoy hors d'oeuvres and cocktails with your favorite valentine. An unforgettable evening in Old San Antonio awaits you on February 14. HASTA LA VISTA!



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

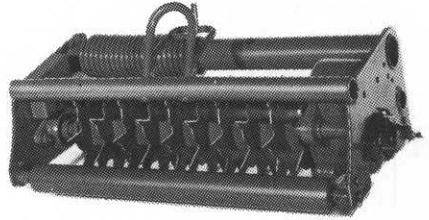
5115 Industrial St., Maple Plain, Mn. 55359

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

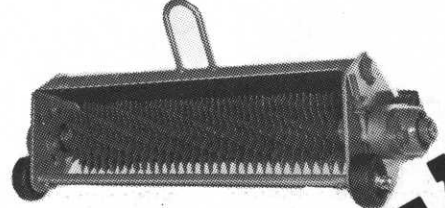
**NEW
78 MODELS
JUST ARRIVED**



GREENSMOWER



SPIKER



THATCHER

GREENSMASTER 311

1 AS A GREENSMOWER,
the features and
benefits include:

Balanced, fully-floating cutting heads — isolated from the traction unit and grass baskets — give uniform cutting height from first green to the last (a Toro exclusive). Low pull point on all cutting units for straight, even tracking. 15-inch turning radius for greater maneuverability, faster handling and noise fully-hydraulic drive for smooth and easy operation. Maximum open top height and ease of control. Exclusive inter-changeable cutting units, baskets and drive motors save time and money invested in stocking parts. Customizing accessories for varying conditions — including a specially engineered and easy to install individual reel shut-off kit that controls the front two cutting units to give a variable track on the clean-up run. Optional reel roller scrapers minimize grass build-up for a beautiful appearance even on wet turf. Proven history of performance on fine greens all over the world lets you be confident of the real value of Greensmaster 3.

2 AS A SPIKER,
the features and
benefits include:

Special Toro profile, both spike blades that spike cleanly without mauling turf (greens are playable immediately after spiking — no roller or rolling needed). Power drive reels with one-way slip clutch give added traction on wet greens. Adjustable reel height transfers weight from front unit to spiking reels. Delivers up to 650 lbs of high carbon steel per inch width for maximum 1/2 inch penetration. Wide spiking area gets more done in less time — you can spike as fast as you mow. And the spikes are less than 2 inches apart. A depth measuring tool is included with each set of spiker units to insure effectiveness of treatment under varying conditions.

3 AS A THATCHER,
the features and
benefits include:

Reels cut in forward rotation for efficient vertical mowing. Spiral design of thatcher blades means less wear on drive motors, more efficient thatching and throwing of thatch into basket. Adjustable gauge wheels tailor cut to various turf conditions. Variable blade spacing (as close as 1/2 inch — depending on the need) permits adjustment to meet varying turf conditions. Gauge plates are provided for easy bench setting of penetration depth, 59" working width makes vertical mowing practical and efficient for the first time. High-strength blades are made of blue-tempered high carbon steel — and they're reversible for double the life.

ANNOUNCING "NEW" "AUTOMATIC DRIVE"

**ASK US FOR A
DEMONSTRATION!**

MINNESOTA TORO, INC.

14900 21st AVE. N.
PLYMOUTH, MN 55441
(612) 475-2200
GLENN N. RASMUSSEN

