Proven Hahn Performance

designed for convenience, built for dependable service.

Hahn Tournament 1202

NEW QUICK-ADJUST REEL: adjust reel to bed knife without disturbing height of cut.
CABLE DRIVEN REEL: provides constant reel speed independent of ground speed. Eliminates hydraulic oil leaks.
MOST PRECISE CUT AVAILABLE: a full 67" even in turns.

Converts in minutes to become a VERTI-CUT®, VIBRA-SPIKER®, TEE MOWER.

SPRAY-PRO 4-Wheel Self-Propelled Sprayer

For golf greens, grounds, lawn care and Ag uses. Fast, precision spraying of herbicides, insecticides, and liquid fertilizer.
Compact size for maneuverability, yet it has 160 gal. polytank with patented Hahn jet agitation. 15-ft. 3-section folding boom for 16½ ft. coverage. Use all 3 sections or individually.
Centrifugal pump: 100 PSI max., .55 gpm max. Optional Hand Gun for trees, shrubs or brush control.

Fore-Par

* Featuring the Best Materials Available
* Excellent Durability & Weather Resistance
* Tee Markers
* Flags & Poles
* Direction Signs
* Practice Green Markers

ROBERTSON

TURF CARE PRODUCTS

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

Simplicity

AN ALLIS-CHALMERS COMPANY
By the time we all receive this issue of HOLE NOTES the 1981 G.C.S.A.A. Turf Conference and Show will be over. I hope everyone who traveled to Anaheim had a safe and enjoyable trip. These conferences are always very educational and well worth attending. The next issue will contain pictures of highlights of the trip.

As you can see from the pictures in this issue, the January M.G.C.S.A. meeting was a complete success. Those who were in attendance enjoyed great weather, better fishing than last year, a delicious dinner and interesting discussions about the "beautiful" weather's effect on our golf courses which will challenge us this spring. Again, a special thank you to Jerry Dubbs and Wally Benson for showing us such a good time. Good luck on that golf course you're building.

On January 14 I represented the M.G.C.S.A. on the Evans Scholarship Selection Committee. It was a very interesting day. The Evans Scholarship Program is an excellent one. It makes it possible for many young people who have been caddies to attend college. We should all support this program at our clubs.

There are a number of very important meetings coming up which we should be aware of. The first is the M.G.C.S.A. Mini-Seminar on February 24, 1981 at Hazeltine National. Nick Dunn and his committee are putting together an excellent program. Do your best to attend this one! Undoubtedly there will be more discussion about the stresses placed on golf courses this winter. Other important dates are March 3, 4 and 5 which are the Horticulture Industry Days at the U of M. I hope to see you all at these meetings.
DEALING WITH DOUBTS

It was a difficult decision but you carefully weighed all the factors and did your best to make the right choice. The decision has been made and there is nothing more you can do. So why is it keeping you awake nights?

It's a normal reaction. Psychologists say that everyone has doubts once in awhile, particularly when they begin to think about the good features of the choice they turned down. When that happens, we go back over the reasoning by which we reached our decision.

This justification process can involve some very intricate calculations. Some people can resolve the matter right there by deciding that it just isn't worth the trouble to figure it out. Another factor that can ease your mind is how easily you can reverse your decision. If it's simple, there's no point in being uneasy. If it can't be done once the decision is made, why worry about it?

The only way to finally resolve such doubts is to accept the fact that you can never be right all the time. When you can relax and accept the fact that everyone makes mistakes, it's easier to put the matter aside and move on to a new problem.

Reprint FORE FRONT
Some Nice Correspondence

From FRED V. GRAU
Musser International Turfgrass Foundation

Your association does me great honor by according me an Honorary Membership. It is deeply appreciated. I am particularly pleased because I count as "friend" so many of your members. It started with Leo Feser who invited me to speak at a conference in one of your hotels. Harold Stodola may remember, too, that I attempted to tell a Scandinavian joke in dialect. When I finished there wasn't a sound - the room was deathly quiet. I got redder and redder - then the room exploded with laughter. It wasn't the joke - it was at my audacity, my discomfiture and the way I flubbed it.

My present work with The Musser Foundation will be helping superintendents long after someone replaces me as president. I hope that we can reach the point one day where we can consider establishing a Turfgrass Research Fellowship at U of M. Our current three fellowships at Cornell, Penn State and at Texas A&M will benefit all superintendents but there is so much more to be done.

To all of you my very best wishes for a successful New Year.

From CARL JOHNSTON, CGCS

I would like to take this opportunity to thank you, the members, of the M.G.C.S.A. for a very memorable thirteen years here in the State of Minnesota. I feel that our association is one of the best and you, the members, have made it that way. People like Dean Sime, Larry Vetter, Rich Rannells, Bill Johnson, Keith Scott, Don and Jim Lindblad help to bring this association into a class of its own and I am proud to have been a part of the best.

As I embark on this new adventure in Arizona, I go with mixed emotions. Knowing I am leaving good friends and yet the adventure is a real challenge and it is my hope that you will have a chance to stop out and see me.

Best wishes to all of you and thank you once again for some very good years here in Minnesota, especially the years that I served on the Board of Directors. It was a very real learning experience that I shall never forget.

My club is located in Wickenburg, Arizona. The name is Los Caballeros Golf Club, P.O. Box QQ, Wickenburg, Arizona 85358. Again, best of luck to all of you and may next season be a good one for you.

Dr. Joseph Duich Honored

Dr. Joseph M. Duich, professor of turfgrass science and turfgrass project leader at Pennsylvania State University in University Park, Pennsylvania, has been named the recipient of the 1981 Green Section Award presented by the United States Golf Association in recognition of his distinguished service to golf through work with turfgrass.

Over the years Dr. Duich has significantly contributed to better golf through research, teaching and education. His turf research contributions have been concerned with grass varietal improvement, varietal evaluation, roadside development, weed control, turf-disease relationships, fertilization and soil modification. Among his breeding contributions are the varieties Pennstar Kentucky bluegrass, Pennfine perennial ryegrass and the Penneagle and Pencross bentgrasses. He tested Penneagle at the Brooktree Municipal Golf Club in Owatonna at the time of its construction in 1976. During the past 22 years Dr. Duich has presented over 150 papers and addresses to national, regional, state and local associations and groups.
MINNESOTA PESTICIDE APPLICATOR
CERTIFICATION and RECERTIFICATION

State law requires that a person applying any pesticide which includes fungicides, herbicides, insecticides, nematicides and aquatic chemicals must be licensed for use as golf course superintendents. We are primarily interested in being licensed in categories A-General and E-Turf and Ornamentals. Some may want or need the additional categories of F-Aquatic and/or I-Oak and Elm Disease.

According to the State Department of Agriculture, by the time this copy of HOLE NOTES gets to you, most of us should have already received notification from the State concerning the recertification procedures. For those of you who didn't receive this information or simply as a reminder, license renewal for 1982 is scheduled during Horticulture Week at the St. Paul Campus of the University of Minnesota, March 3-5, 1981. Specifically, the turf session is scheduled on March 4, 1981 to requalify in Category E and the shade tree session is scheduled on March 5, 1981 to requalify in Category I.

If you are a new applicator (not licensed for 1980) you are required to attend an additional training session for obtaining a license for 1981. You must also attend the sessions described in the preceding paragraph if you intend to retain your certification for 1982. The new applicators' workshops for tree and turf will be held at two locations only, each consisting of two day sessions. March 9-10, 1981 a workshop will be held in Mankato at the Holiday Inn North, 1111 Range Street and the other workshop will be held March 17-18, 1981 in St. Paul at the Student Center on the St. Paul Campus of the University of Minnesota. Attendance at either one of these sessions, Mankato on March 9-10 or St. Paul on March 17-18 does not qualify any applicators for license renewal.

If you are not confused enough by all this, a further confusion (clarification) can be obtained by contacting your local county extension office or the Office of Special Programs, 405 Coffey Hall, 1420 Eckles Ave. St. Paul, Minn. 55108 (612) 373-0725.

Seasonal Job Opening

RICH ACRES GOLF COURSE, RICHFIELD, MINN.
Potentially year around employment by City.
Hourly rate ($4.92-$6.00 per hour).
For review of job description, additional information, etc. please contact: Golf Course Superintendent C. Bruce Klinkner at 861-6505 or Richfield City Hall, Community Services Dept., 6700 Portland Avenue South, Richfield, Minn. 55423. Telephone: 612/869-7521.

THE DEVELOPMENT OF A NEW PRODUCT IS A THREE STEP PROCESS:
FIRST, AN AMERICAN FIRM ANNOUNCES AN INVENTION;
SECOND, THE RUSSIANS CLAIM THEY MADE THE SAME DISCOVERY TWENTY YEARS AGO;
THIRD, THE JAPANESE START EXPORTING IT.
A Better Hole Notes Is Up To You!

It is my privilege as chairman of the Editorial Committee to lead off the committee reports of the 1981 edition of HOLE NOTES. Being as early in the year as it is, I can't bore you with financial reports or progress reports. I'll try to keep this on an editorial basis and inform you of our objectives for 1981 as a committee.

The first objective or duty we have is to keep the membership informed. This will consist of items concerning our state association. Upcoming events such as monthly meetings, tournaments, mini-conferences and annual conferences will be included. Items of common interest and appeal and pertinent data from your Board of Directors will be dealt with. News from the national association will appear as will information such as University Field Days and Seminars.

DALE CALDWELL

Another objective or duty is to educate. Articles concerning updates from the University will appear. If any new information on disease, chemicals or maintenance procedures should arise, we will publish it. Any new or change in legislation which affects us or our occupation will also appear.

A third objective which is a continuation from last year is to obtain membership participation in our publication. Articles can be submitted by anyone, regardless of classification. They might concern an interesting project that you have recently undertaken or they might relay an interesting observation you have come across. You might also have a hint or a tip or two you would like to share with the membership on something that worked well for you in a particular situation.

The last and perhaps most important objective we have is to maintain the high quality that we as an association have come to demand and expect from our publication.

We're seen in all the right places.

E-Z-GO
TEXTRON
STEGNER GOLF CARS
5900 UNIVERSITY AVENUE N.E.
Minneapolis .................... 571-4230
Ortonville ..................... 839-2511
SECRETARY’S UPDATE

Executive Committee Meeting, December 16, 1980.

1) Dennis Hendrickson announced new committee chairmen: NOMINATING: Dick DeSplinter; BYLAWS: Irwin Fuller, Jr.; FINANCE: John Nylund; MEMBERSHIP: Roger Kisch; EDITORIAL: Dale Caldwell; EDUCATION: Nathan Dunn; PUBLIC RELATIONS: Dick DeSplinter and Dennis Hendrickson; ARRANGEMENT: Don Lindblad; ENTERTAINMENT: To be picked by Nathan Dunn; TOURNAMENT: Jim Wodash and Jim Brown; SCHOLARSHIP, ECOLOGY AND RESEARCH: Larry Mueller and Kerry Glader; ANNUAL CONFERENCE: Nathan Dunn; HISTORIAN: Dennis Hendrickson.

2) Membership Committee: Approval of application of Walter H. Brauning, Jr., Indian Hills G.C. for Class BII. Change of classification for Charles Tillman to AA and Tom Watson to B.

Executive Committee Meeting, January 12, 1981.

1) Treasurer’s Report: Regular Balance: $1,132.90; Research Balance: $1,177.26; Annual Conference Income: $11,157.96; Annual Conference Expenses: $10,519.29; Net Conference Profit: $ 638.67.

2) Communications: Thank you letter from Mrs. Anita Hight for gift certificate from M.G.C.S.A. Thank you letter from Dr. Donald White, Professor, Turfgrass Science, U of M for Honorary Membership in M.G.C.S.A.

3) Membership Committee: Change of classification for Gregory Senst from F to BI.

4) Education Committee: Mini Seminar will be February 24 at Hazeltime National Golf Club. Seminar will begin at 9:00 a.m. and end around 3:00 p.m. with the business meeting at 3:15 p.m. A lunch will be served from 12:00-1:15 p.m.

Social Security Tax Jumps

Anyone who has been earning $18,000 a year will have his annual take home pay reduced by $93.60 per year in 1981 because of a bigger Social Security tax bite. If you earn $29,700 or more, the increased deductions, which started with January paychecks, will be $387.38.

This grim news is because of increases in the wage base or amount of earnings on which Social Security taxes are levied. In 1980 the deduction was 6.13 percent of all earnings up to $25,900, but for 1981 Social Security tax can go as high as 6.65 percent on the first $29,700 of earnings for employees and employers.

GRASS DOES NOT LIVE BY NITROGEN ALONE!
OR PHOSPHATE
OR POTASH

Yes, it takes a balance of all nutrients to grow good turf. Country Club products provide total nutrient feeding. Look to Country Club for all your fertilizer and combination fertilizer-pesticide products. You can rely on Country Club turf products for satisfaction and results.

For more information, call 1-800-637-2101 (217-446-0983 in Illinois)

LEBANON CHEMICAL CORPORATION
P.O. Box 647
Danville, IL 61832

P.O. Box 180
Lebanon, PA 17042
HEY SUPERINTENDENT!!!

TORO'S GOT INDUSTRIAL PERFORMANCE

**Greensmaster 3**
FOR THE GREENS

**Sand Pro**
FOR THE SAND TRAPS

**Parkmaster**
FOR THE FAIRWAYS

**Groundsmaster 72**
FOR THE ROUGHS

**Super Pro**
FOR THE COLLARS & TEES

TO DO ALL OF YOUR JOBS

GO WITH PROFESSIONAL PERFORMANCE

MINNESOTA TORO, INC.
14900 Twenty First Avenue North Minneapolis, Minnesota 55441
Phone (612) 475-2200
M.G.C.S.A. MINI TURF SEMINAR
HAZELTINE NATIONAL GOLF CLUB
FEBRUARY 24, 1981

9:00 A.M. REGISTRATION

10:00 A.M. WELCOME
Dennis Hendrickson, President
Minnesota Golf Course Superintendents' Association

10:15 A.M. PRAIRIE GRASSES AND WILD FLOWERS, A PLACE ON THE GOLF COURSE
Mr. Ron Bowen
Prairie Restoration, Inc., Princeton, Minnesota

11:00 A.M. SUMMER FUNGICIDE PROGRAMS
Dr. Ward Stienstra
Department of Plant Pathology
University of Minnesota, St. Paul, Minnesota

11:45 A.M. LUNCH AND CASH BAR

1:00 P.M. WEATHER AND THE SUPERINTENDENT
Mr. Dennis Feltgen, Meteorologist
KSTP Television, St. Paul, Minnesota

1:45 P.M. MAINTENANCE PRACTICES EAST TO MIDWEST
Mr. Stanley Zontek, Agronomist
U.S.G.A. Green Section, Crystal Lake, Illinois

2:30 P.M. BREAK

2:45 P.M. M.G.C.S.A. BUSINESS MEETING

ADJOURNMENT

ADVANCE REGISTRATION

M.G.C.S.A.
MINI-SEMINAR
FEBRUARY 24, 1981

$10.00 Registration each
Includes Lunch and Break.

Total Enclosed $

Make check payable to:
M.G.C.S.A.

Mail to: Nathan Dunn
Hazeltine National Golf Club
1900 Hazeltine Blvd.
Chaska, Minnesota 55318

REGISTRATION DEADLINE: FEBRUARY 17, 1981
Introduces the Ultimate in Greens Maintenance . . .

The NEW GREENS KING IV

COMPARE THESE FEATURES!!

Now, a greens mower with time-saving power backlapping!

Variety of greens accessories available from your local distributor.

Maintenance free battery.

Added operator comfort with new lower seat.

50% greater fuel capacity for fewer stops and longer operation.

Individual reel control — standard, not optional. Provides mowing flexibility and individual reel backlapping.

Manual by-pass valve to adjust reel RPMs for time-saving power backlapping.

Convenient single rocker pedal to lower and lift reels allows for easier operation.

Nine-blade reels for the finest, smoothest, quality cut.

Articulated reels allow cutting units to follow undulations and maneuver around edge of green.

Dependable 14 hp Kohler engine with key start ignition.

Easy disconnect reel motors. Just remove 4 nuts. Bolts are fastened to frame.

Large 2-ply pneumatic tires eliminate compaction and tire marks.