

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

Editor — Ray Gerber  
865 Hillside Ave.  
Glen Ellyn, Ill. 60137  
Phone — 469-6467

Associate Editors — Robert Williams  
90 East Franklin, Apt. 208  
Lake Forest, Ill. 60045  
Office Phone — 432-0088

Leonard H. Berg  
1575 W. 75th St.  
Woodridge, Ill. 60515  
Office Phone — 852-0293



The M.A.G.C.S. September 16 Meeting will be at Indian Lakes Country Club, 232 W. Schick Rd., Bloomingdale, Illinois. This will be our Annual Golf Tournament. David Meyer will be our host.

There is considerable road construction work in progress near the club entrance. There may be a short detour near the club.

## MAGSC BOARD OF DIRECTORS FOR 1973

### OFFICERS

President — Alby Staudt  
First Vice President — Edward Smith  
Second Vice President — Fred Opperman, C.G.S.C.  
Secretary-Treasurer — Mike Bavier

### DIRECTORS

Clifford Behrendt	Gerald Hanko
Carl Grassl	David Meyer
Carl Hopphan	Denis Straus
Executive Secretary — Dorothy Carey	



Fred Opperman on left and Dave Meyer on right makes a presentation of \$1000.00 to Dr. Al Turgeon from the University of Illinois toward research work in turf. Dr. Turgeon was our speaker at our August Meeting and did an outstanding job as he always does. His subject — "Progress in Research."

The following is a list of office telephone numbers for the entire Board.

Dorothy Carey	349-7766
Mike Bavier	358-7030
Carl Grassl	823-8682
Carl Hopphan	892-3600
Gerald Hanko	246-0281
Fred Opperman, C.G.C.S.	469-6220
Ed Smith	234-2600
Alby Staudt	232-0624
David Meyer	529-4303
Denis Straus, Emeritus	259-3948
Clifford Behrendt	815 - 459-8570

The August 12th Meeting of the M.A.G.C.S. held at Villages Greens of Woodridge Country Club was sure a success. The hospitality furnished by our host Lennie Berg, Superintendent, was appreciated by all. Eighty-four enjoyed a wonderful steak dinner. Many of those in attendance played golf on a beautifully conditioned course. The lucky winners were: **Blind Bogey** — C. Leming, John Potthoff, Frank Dinnelli, Nick DiVito, Mr. Dalton V. H. Rascher; **Cal. System** — Joe Canale, Ben Kronn, John Pottoff, Ed Smith, Lennie Berg, Mr. Stephenson, R. Johnson.

## A Visit To Alaska

Alaska is no place you would select for retirement; the winters are too long. You would never be without snow, winter and summer. In fact, our overall impression of Alaska was mountains topped by snow in the middle of July. We saw more glaciers and icebergs than anything else, but the weather was beautiful. No rain or clouds and the temperatures in the fifties and sixties. The nights were awfully short, darkness lasted about one hour. That must be the attraction of Alaska to the tourist. Our trip by cruise ship started at Vancouver, B. C., and sailed through the inner passage along the Canadian coast and Alaska. All along the way rugged snow capped mountains provide the scenery. The mountains hem in the towns and cities along the way. The ship docked at Ketchikan, Juneau, Skagway and Haines. These cities have little to recommend them, hemmed in against the coast, they have little space for buildings and houses. Their appearance is ratty to say the least. Juneau is the capital of Alaska at the present time. Eighty percent of the jobs there are provided by government funds. If the pressures by Anchorage or Fairbanks succeed to move the Capital out of Juneau, this city would be lost. It does have a most spectacular spectacle—the Mendenhall glacier which is a tourist attraction.

Skagway is the southern terminal of a narrow gauge railway to Whitehorse in the Yukon on the Alcan Highway. We rode this railroad one day through the most hair raising right of way you can imagine. We were glad to return to the Island Princess that evening. Glacier Bay furnished a day's cruising. It is surrounded by about fifteen glaciers which are moving ever so slowly to the water's edge where icebergs break off to furnish transportation to the seals inhabiting these waters. Sitka was the last stop before returning to Vancouver. It was the most attractive of Alaska's coastal cities. The arsenal built by the Russians is preserved, as are old orthodox churches and government buildings. The museum there proudly displays a facsimile of the check for 16 million dollars signed by the U.S. Secretary of State Seward to the Russians in 1867. Except for a little rain on the train from Skagway to Whitehorse, we had sunshine every day. Our cruise ship was first class with continued recreational and social activities monitored by ship personnel.

On docking again in Vancouver we couldn't pass up a visit to Victoria and Butchart Gardens. Our party, consisting of four couples, separated here except for Irwin and Ethel Garumeter who accompanied us by rented a car through scenic Washington, Oregon, and California, visiting friends and relatives along the way. After living out of suit cases nearly three weeks, we were glad to fly home from San Francisco on July 27th.

C. O. Borgmeier

**C. E. STEWART**  
and Associates  
*Civil Engineer*

**Irrigation, Drainage, Water Supply, Pumping Plants**  
Design — Reports — Consultation — Supervision  
18357 Homewood Ave. Homewood, Illinois

# Once you use a Chipco something.

# You'll be using Chipco everything.

- Chipco Spot Kleen
- Chipco Microgreen  
Liquid
- Chipco Turf Herbicide "D"
- Chipco Spreader  
Activator
- Chipco Thiram 75
- Chipco Crab Kleen
- Chipco Turf Herbicide  
MCP
- Chipco Buctril
- Chipco Turf Kleen



CHIPMAN DIVISION OF RHODIA, INC.  
New Brunswick, N.J. 08903



**Editor**

## Midwest Breezes

Dr. Fred Grau has been elected president of the Musser International Turfgrass Foundation. Congratulations.

Up to this date, August 1st, the golf courses in the Chicago district are in fairly good condition. There were problems reported of scalping by the putting green mowers due to puffiness of the turfgrass. This editor has had many years of experience on conditions pertaining to scalping. This scalping is many times caused by what is known as dry spots. We know that soil, when it gets real dry, has a tendency to shrink. Therefore, these small areas settle and become lower than the area next to it. The putting green mower caster wheel or one end of the roller will drop into this depression and scalp the turfgrass area next to it. These dry spots may appear to have the healthiest appearance of any part of the green. Take a knife or profile and dig into these areas and you may find the cause of your problem. This problem has been going on for many, many years. To the best of my knowledge no one has the answer as to why this problem exists. Hand spiking these small areas and frequent hand watering until the soil has become moist enough that it expands and leaves the surface in a smooth condition is the best method and the least interference to the golfer.

On July 29, 1974 a testimonial dinner was given honoring Herb and Joe Graffis for their half a century of contribution for the betterment of golf. Without a doubt the Graffis brothers have done more for the advancement of golf than they were given credit for. They have played a big part in the advancement of the golf course superintendents' profession. For this we are most dedicated to Joe and Herb.

**The sympathy of the Midwest Golf Course Superintendents Association is extended to Charles Baskin, G.C.S.A.A. President, and the Baskin family due to the death of Charles' father.**

The editor attended the Graffis Bros. Testimonial dinner and took these pictures during this party.



**Herb Graffis, who is never at a loss for words, and who is always willing to help.**



**Joe Graffis, the man with a million dollar smile. Joe says it never paid off?**



**Left to Right, the one and only Chick Evans — the greatest. Albey Staudt, Midwest President.**



Left to right, Mike Bavier, M.A.G.C.S. Secretary and Treasurer; Ted Woehrle, Superintendent, Oakland Hills Country Club, director G.C.S.A.A.; Conrad L. Scheetz, executive director G.C.S.A.A.; Albert J. Staudt, M.A.G.C.S. president.



Left to Right, Mike Bavier, M.A.G.C.S. Secretary and Treasurer; Albej Staudt, M.A.G.C.S. President; Frank Smith, Geo. A. Davis Co.; Oscar Borgmeier, retired; Joe Jemsek, Entrepreneur in golf.



Left to Right, Paul Hahn, golf trick shot entertainer; Dr. Fred V. Grau, a long time friend of the golf course superintendents; Paul Voykin, Superintendent Briarwood Country Club; Tom Tomashek, sports writer, Chicago Tribune.

Listed below are the names of awards they received from various organizations. You can see by the following list they have not been idle during the past fifty or more years. Now it is our time to salute the Graffis Brothers.

#### **Herb and Joe Graffis**

1962 Richardson Award from the Golf Writers Association of America for outstanding service to golf  
1972 United States Golf Association Green Section Award

Founders, National Golf Foundation  
Founders, Golfdom Magazine and Golfing Magazine  
Honorary Members, Illinois Section of the Professional Golfers' Association of America  
Honorary Members, Midwest Association of Golf Course Superintendents

#### **Herb Graffis**

Past President, National Golf Fund  
(National Golf Day)

Past President, Golf Writers Association of America  
Past President, Illinois Seniors Golf Association  
Member, Advisory Committee and Public Relations Committee, PGA of America

Member, Green Section Committee, Bob Jones Award Committee and Museum Committee, U.S. Golf Association

Honorary Member, Club Managers Association of America

Past Editor, Golfdom Magazine and Golfing Magazine  
Consulting Editor, Golf Magazine

Author or collaborator:

**How to Play Your Best**

**Golf All the Time** by Tommy Armour

**A Round of Golf with Tommy Armour**

**Tommy Armour's ABC's of Golf**

**The Inside Swing: Key to Better Golf**

by August F. Daro

**Better Golf Through Better Practice**

by Jules Platte

**Dictionary of Golf Information**

**Esquire's World of Golf**

**Golf Lessons**

**Planning the Professional's Shop**

**The History of the PGA**

#### **Joe Graffis**

Founder Member, Golf Car Manufacturers Association

Founder Member, O. J. Noer Research Foundation

Founder Member, Midwest Turf Research Foundation

First President, National Golf Foundation

Executive Board Member, National Golf Foundation

Past Publisher, Golfdom Magazine and Golfing Magazine

Publisher Consultant, Golf Magazine

### **Nels J. Johnson, Tree Experts, Inc.**

**SINCE 1930**

Complete, economical tree service for Private Estates, Parks, Municipalities, Golf Courses Cemeteries, Schools, Industrial Areas.

All phases of Arboriculture, Diagnosing, Pruning, Treating, Transplanting, Fertilization, Hydraulic and Mist Spraying, Removals, Stump, Routing, Municipal Forestry.

— FULLY INSURED —

GRADUATE FORESTERS • LICENSED ARBORISTS

MAIN OFFICE: 912 Pitner Avenue, Evanston, Illinois

Phones: GR eenleaf 5-1877 — GR 5-5255

Hinsdale, Illinois — FA 5-0970



# VELSICOL

## FOR WEED CONTROL:

### BANVEL® 4-S

Effective in both warm and cool weather. Attacks weeds through leaves and roots. Ideal for control of chickweed, clover, and many other weeds.

### BANVEL® + 2, 4-D

A combination product that enables you to control more hard-to-kill weeds more effectively. Kills dandelions, wild garlic and others.

### 2,4-D AMINE

The all purpose economical herbicide.

## FOR INSECT CONTROL:

### CHLORDANE 10G, 25G, 40WP, 72EC, 5D, 10D

America's finest turf insecticide. Controls grubs, wireworms, ants, etc.

### HEPTACHLOR 2.5D, 5D, 10D

For convenience and economy.

## FOR SPRAY CONTROL:

### ACCUTROL AIR EMULSION SPRAY SYSTEM

A totally new system - spray adjuvant and special spray nozzles. Air emulsion allows your water to go farther. Spray adjuvant provides greater plant absorption, better spray visibility, and lessens spray run-off.

**ORDER FROM YOUR DISTRIBUTOR  
TODAY!**

**VELSICOL CHEMICAL CORPORATION**  
341 East Ohio Street • Chicago, Illinois 60611

## FOR THE FINEST IN IRRIGATION SPRINKLER IRRIGATION SUPPLY COMPANY

DIVISION OF A. J. MILLER, INC.  
Since 1925

1738 Armitage Court  
Addison, Illinois 60101  
312 - 629-7730

1316 Campbell Road  
Royal Oak, Michigan 48067  
313-398-2233

## COOPERATIVE EXTENSION SERVICE

### COLLEGE OF ARGICULTURE

622 Graceland Ave., Rm. 3, Des Plaines, Ill.

James A. Fizzell, Extension Adviser

### PLANT TREES — FOR A NICER TOMORROW

Ask anyone the most obvious difference between new and older established communities. Chances are he will respond, "It is the trees," says James A. Fizzell, Cook County Extension Adviser, Horticulture.

Those of us who grow up in older neighborhoods took trees for granted. To us, they had always been there, and always would be. They provided a place to climb. We watched them leaf out in spring, and maybe become home to robins or blue jays. They shaded and cooled us in summer, and the changing color forewarned us of the start of school in fall. Trees broke the winter wind and many a school-child sought momentary respite from a January storm behind a large friendly tree trunk.

But these memories may not be there for youngsters of the future. Progress, disease, and pollution are doing away with trees and unless we plant them, there will be no trees for future generations.

Aside from the sentimental value of trees, there are some real concrete reasons why we should plant trees.

Fizzell says during its entire life, a tree consumes carbon dioxide and releases oxygen. In fact an actively growing acre of forest produces four tons of oxygen per year. This is an amount sufficient to support eighteen people.

There are other fringe benefits from trees. They are often called nature's air-conditioners. The shade they create and the natural evaporation of moisture from the leaves cools the air.

In addition, the leaves tend to trap airborne dirt and dust thus cleaning the air. Trees create baffles which absorb noise from traffic and planes. And trees are pleasant to look at.

To avoid another disaster such as befallen neighborhoods planted exclusively to elms, Fizzell suggests that no more than ten per cent of any variety of tree be planted in an area. Should a new pest be fatal to one of the varieties, it would affect only 1/10th of the planting with the remaining 90 per cent providing ample shade as the dead trees are replaced.

## SPRAYERS FOR ANY PURPOSE

Leasing plans available year round or seasonal.  
Ask your Burdett salesman!



## BURDETT'S

Turf, Agriculture, Recreation Supplies and Chemicals  
Swift Road at North Avenue  
P. O. Box 186  
Lombard, Illinois 60148  
(312) 629-1123

# We Know Agrico 18-5-9 Can Improve Your Fairways. And We'll Go To Any Links To Prove It!

We know Agrico Country Club Fertilizer can improve fairways. Because it feeds more efficiently to help build plusher turf—turf that will approach your greens in quality.

We'll prove it to you on your own course, free of charge.

Formulated with moderate-size granules, Agrico 18-5-9 can be spin-spread faster and more accurately. Once spread, 18-5-9's power-feeding formula makes your fairway turf uniformly thicker. This helps "keep the ball high on every lie" and gives your golfers better fairway shots.

Because 18-5-9 is high in nitrogen content, you need fewer bags for normal fertilization. A real savings when you've got 40 to 65 acres of fairways.

The nitrogen is derived from organic as well as quick green-up sources. Five units of nitrogen are in water insoluble form to keep your turf greener—longer.

Higher potash content, one-third from sulphate, makes turf so resilient that it resists tracking—even under heavy traffic conditions. Five units of phosphorus will maintain, but not increase soil levels.

## "We'll Go To Any Links"

To prove that Agrico can improve your fairways, we'll go to any links. Complete the coupon below and we'll come to you—with a free product demonstration. We'll prove beyond a doubt the effectiveness of Agrico's 18-5-9 formula for fairways. And we'll fill you in on Agrico's full line of dependable course-care products.

Frank Ross  
29 Spring Lake Avenue  
Hinsdale, Illinois 60521

Please contact me for a free product demonstration of 18-4-10 or 18-5-9 and for information on Agrico's other course-care products.

Name \_\_\_\_\_

Title \_\_\_\_\_ Golf Course \_\_\_\_\_

Street or P.O. Box \_\_\_\_\_

Phone Number \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

*Offer good only in Agrico trade areas*

**Agrico**<sup>®</sup>  
Country Club

# MEDIUM OR HEAVY DUTY

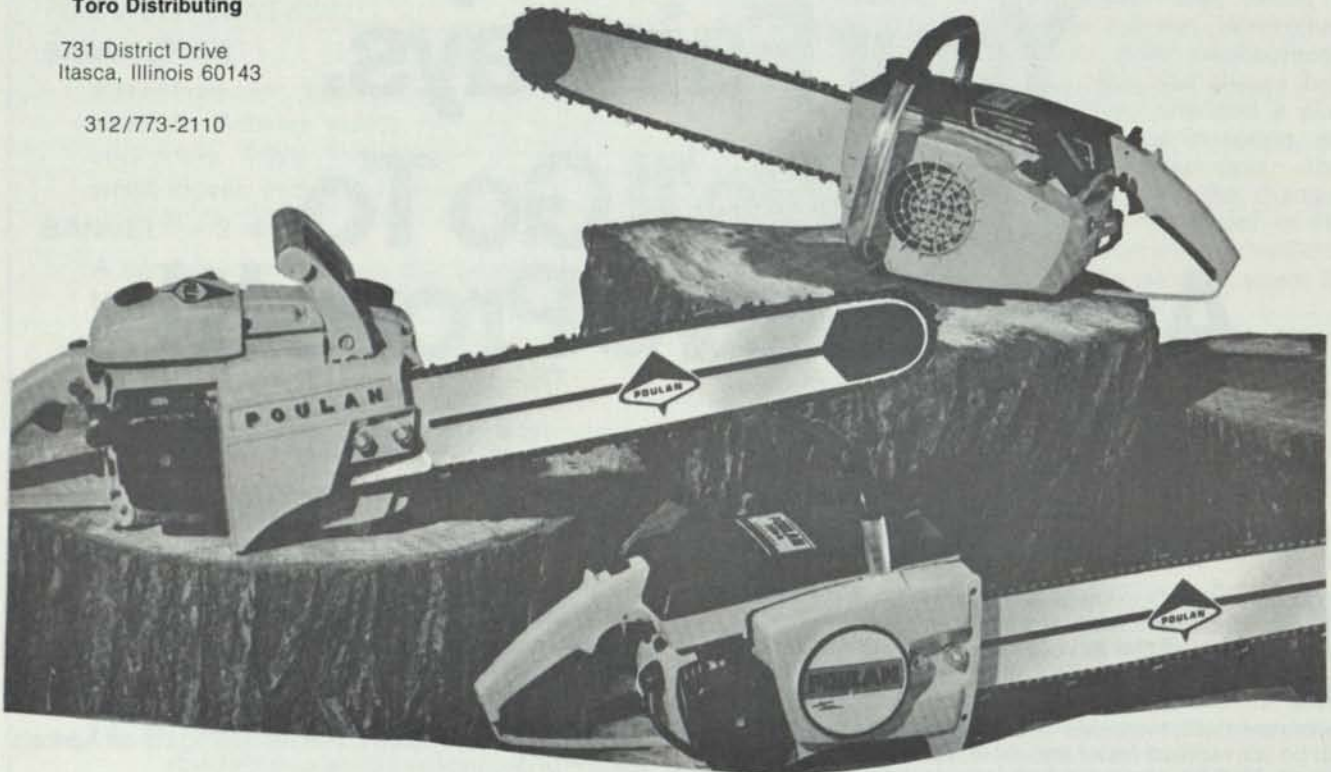
# TORO®

# POULAN

Toro Distributing

731 District Drive  
Itasca, Illinois 60143

312/773-2110



Forest Preserve District of Cook County  
George W. Dunne, President

## TREE FLOWERS

Roland F. Eisenbeis, Supt. of Conservation

Many people do not realize that all of our common trees have flowers. Otherwise they could not produce seeds. We are apt to think of flowering trees as being those with showy blossoms—most of them beautiful and some very fragrant—such as the redbud, dogwood, buckeye, horse chestnut, black locust, tulip tree or yellow poplar, magnolia, and the fruit trees.

However, all of our forest and shade trees have flowers—of some kind—which are just as interesting when examined with a strong reading glass. Some are grotesque, some exquisitely designed, some extremely colorful. They offer a new world to be explored and photographed.

Some kinds, such as the elms, bloom profusely but the flowers are so small and delicately tinted that they are seldom noticed. Others, such as the poplars, oaks and walnuts, have peculiar flowers in the form of catkins that, without petals or sepals, do not look like flowers at all. The sycamore's tiny flowers are packed, in countless numbers, into a tight round ball that dangles back and forth on a long flexible stem.

Certain species, such as the elms, have "perfect" flowers, each with stamens that shed pollen and also a pistil that receives it to fertilize an egg which will develop into a seed. On others, such as the walnuts, there are male flowers (with stamens) and female flowers (with a pistil) borne separately on the same tree. On several—notably willows, cottonwood and

other poplars, boxelder, mulberry, Osage orange and sassafras—the male and female flowers are borne on separate trees. Of course, only the females produce seed. There are also species which, on the same tree, not only have "perfect" flowers but, also, either male or female flowers or both. All of this may be confusing at first but it will enhance rather than detract from your enjoyment in the study of tree flowers.

Each kind of tree has its own time for blooming. Silver and red maples, elms, cottonwood, aspen and the redbud bloom in early spring, long before their leaves appear. Many trees bloom while their leaves unfold or, like the oaks and hickories, shortly after. A great oak may be so covered with clusters of tassel-like catkins that its entire crown has a yellowish or reddish tone. The catalpa, linden and ailanthus bloom last, in June, long after their leaves are fully developed.

Most trees are wind-pollinated and many of them seem to be in a hurry. After discharging their pollen, the flowers wither and soon disappear. Many, however, are pollinated by insects—particularly those with showy flowers—and some, like the black locust and the linden, are so fragrant and laden with nectar that they attract swarms of honeybees.

Every year, in May, when the wild crabapples and hawthorns burst into full bloom, the roadsides and the countrysides around Chicago become indescribably beautiful and fragrant. Then you should visit our nature centers, where the trails are lined with them. Lombard has a Lilac Festival and Holland, Michigan, has its Tulip Time. We, in Cook County, should celebrate Crabapple Week.

## 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, Ill.  
60102

From the world's largest  
grower of fine sod . . .

### Warren's® A-20

KENTUCKY BLUEGRASS  
Sod and Sod Plugs

The finest grass  
available for  
TEES - FAIRWAYS - COLLARS

- Rated highest in disease resistance
- Upright growth
- Takes short mowing
- Fast recovery from injury
- Greens up earlier — stays green longer

CREeping BENT SOD & STOLONS

Greens — Toronto C-15 and Pennpar  
Tees — Cohansey C-7 and Pennpar

*Warren's*  
TURF NURSERY

8400 West 111th. Street  
Palos Park, Illinois 60464  
Phone: 312/974-3000



# TORO

## Equipment & Irrigation

Bean Sprayers  
Fertilizers  
Parker Products

Ask for a Demonstration  
on the All New  
Hydraulic  
Groundskeeper

Chemicals  
Hose & Accessories  
Greens & Tee  
Equipment

## Toro Distributing

731 District Drive, Itasca, Ill. 60143

(312) 773-2110



**From the Keynoter Penn. Turf Grass Council  
EXPLOSION HAZARD: A CHARGING BATTERY**

Auto and tractor batteries, while they are being re-charged, can explode. These explosions can shower you with the acid from the battery, so you should use caution around them.

Bob Durland, South Dakota State University extension agricultural engineer, says the act of charging a battery generates hydrogen gas in the battery. The proper mixture of hydrogen and oxygen is, of course, explosive. You all probably know this; but what you may not know is how little hydrogen this takes. Durland says as little as 4 percent hydrogen in the air is all that is needed to form an explosive mixture. Explosions of this gas mixture can shatter the battery case and send pieces of shrapnel through the air along with the acid that was inside the battery.

It is very important to keep ignition sources away from batteries while charging them. Obviously, do not smoke. But also be careful of sparks from connecting or removing terminal cables, Durland says.

Here are the procedures that Durland recommends you follow to minimize the risk of sparks that might set off an explosion:

When "boosting" a battery remove the cell caps from both batteries. Connect the positive (+) terminals of the two batteries first, making the first terminal connection to the live battery. Then make the negative (-) connection to the live battery. This next point is where mistakes are made. Don't connect the negative cable to the negative terminal of the dead battery. Instead, connect it to the frame, bumper, engine block, or some other good grounding spot away from the battery so that if a spark does occur it will not be near the battery (the area of the emitted gas).

When charging a battery remove the cell caps. Connect the charger to the terminals of the battery (positive to positive, negative to negative) before you plug the charger into the electrical outlet. When disconnecting the charger, reverse the procedure. Unplug the charger first, then disconnect the terminal connections.

**MIDWEST REGIONAL TURF FOUNDATION  
W. H. Daniel**

**Re: Midwest Turf Field Day, September 30, 1974**

Our Field Day will be Monday, September 30 — 9:30 - 4:00 p.m. We would be pleased to have you list it in programs or inform members at monthly meetings.

**Proceedings Available**

For \$2.00 the Proceedings of the 1974 Midwest Regional Turf Conference, just printed, is available by mail from:

W. H. Daniel  
Midwest Regional Turf Foundation  
Department of Agronomy  
Purdue University  
West Lafayette, Indiana 47907

49 articles, condensed into 101 pages, provides excellent reference on current turf information. Proceedings from the 1972, 1971 and 1969 Conferences are also available at the same price.

Those members of the Midwest Regional Turf Foundation (316) attending the Conference in 1974 or others attending (750) should receive their copies of the 1974 Proceedings—mailed in mid-July.

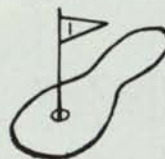


**TURF  
SUPPLY CO.**

**ALL MAJOR TURF SUPPLIES**

- PAR-EX
- Vertagreen
- Du Pont
- Diamond Shamrock
- Sand Blasters
- Cyclones
- Fore Par

Box 182 — Steger, Ill.  
747-0630



**TORONTO**

**C-15 BENT  
SOD OR STOLONS**

Also —

**PENNCROSS BENT SOD  
FOR GREENS AND TEES**

All Bent mowed at putting green height  
with "Greens King"

— BLUEGRASSES —

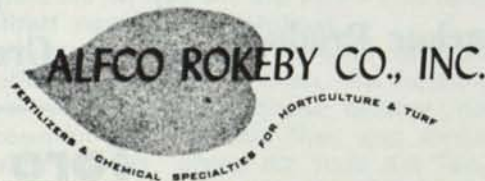
- Adelphi
- Merion
- XL-100 Blend
- KY-33 Blend



**H & E Sod Nursery, Inc.**  
4301 W. Flossmoor Rd.  
Tinley Park, Illinois  
312 798-2210

**FOR YOUR GOLF COURSE NEEDS**

**WRITE OR PHONE — REQUEST FREE CATALOGUE**



**SAFETY ITEMS TO MEET OSHA REQUIREMENTS**  
phone (614) 373-1394 p. o. box 267 MARIETTA, O. 45750