



# ***THE SOUTH FLORIDA GREEN***

Vol. 2

JANUARY, 1975

No. 2







## President's Message

### *Our Changing Times*

This issue is the first of a new year and we will be faced with even greater obstacles than we experienced in 1974. Along with the energy crunch we now have inflation, E.P.A. (Environmental Protection Agency) and O.S.H.A. (Occupation Safety & Health Act). All of these will have a great influence on the way we maintain our golf courses in the future.

Few of our club members realize how hard it is to obtain repair parts or that the cost of some chemicals and fertilizers have increased as much as 320%. Not only is the cost steadily increasing, but the availability of some chemicals and fertilizers have been restricted or completely taken off the market. The E.P.A.'s proposed pesticide classification will place 50 to 60% of all pesticides used in the restricted category. The use of arsenicals, M.S.M.A. and D.S.M.A., which we rely on almost completely in our weed control program, may be highly restricted or even banned.

By the middle of 1976 all golf courses will be required to submit a water usage application and nearly all Golf Course Superintendents will be required to obtain a Certified Pesticide License. O.S.H.A. regulations in the field of health, environment, hazardous materials and sanitation will affect our golf course operation even more this year.

Even if we do not agree with all of these controls and restrictions we, as Golf Course Superintendents, will have to acquire the necessary new skills and knowledge to keep pace with the rapidly changing times.

*Sam Oymenud*

## E. R. STEINIGER MADE HONORARY MEMBER



Eb Steiniger, Superintendent of the world famous Pine Valley Golf Club, Pine Valley, New Jersey, was presented with an Honorary Membership of the South Florida Golf Course Superintendents Association.

President Lou Oxnevad made the formal presentation at the conclusion of a Slide presentation at Doral Country Club.

Eb Steiniger, who has held the position of Superintendent of Pine Valley for over 43 years, presented a color slide game of golf at this world famous course. A hole by hole description evoked gasps and cheers from the audience. Rugged and terrible, beautiful and tranquil,

all describe Pine Valley. Started in 1912 and built in the sand wastes of southern New Jersey, the evolution of the character of the trees, shrubs and plant life proved the adage, "The Golf Course Architect may design and build a golf course, but it takes a good Golf Course Superintendent to make it into one."

Eb Steiniger's efforts in Landscaping and subtle changes proved this old adage. He had the pictures, and pictures are proof positive of what one man can do through the years. Eb claims that he has been blessed with many nice things in his lifetime. His blessing at Pine Valley has been that he has had only one President to work with in all those years. John Arthur Brown, who it seemed had a burning desire to make Pine Valley the greatest course in the world, has truly achieved this goal. But, in the opinion of many, know that it would never have happened without Eb Steiniger. In achieving these goals, Eb has greatly enhanced the profession of Golf Course Supt. To acknowledge this fact, the Plaque presented to him by the South Florida Golf Course Superintendents Association reads as follows:

To honor a Golf Course Superintendent  
who has greatly enhanced our  
professional image.



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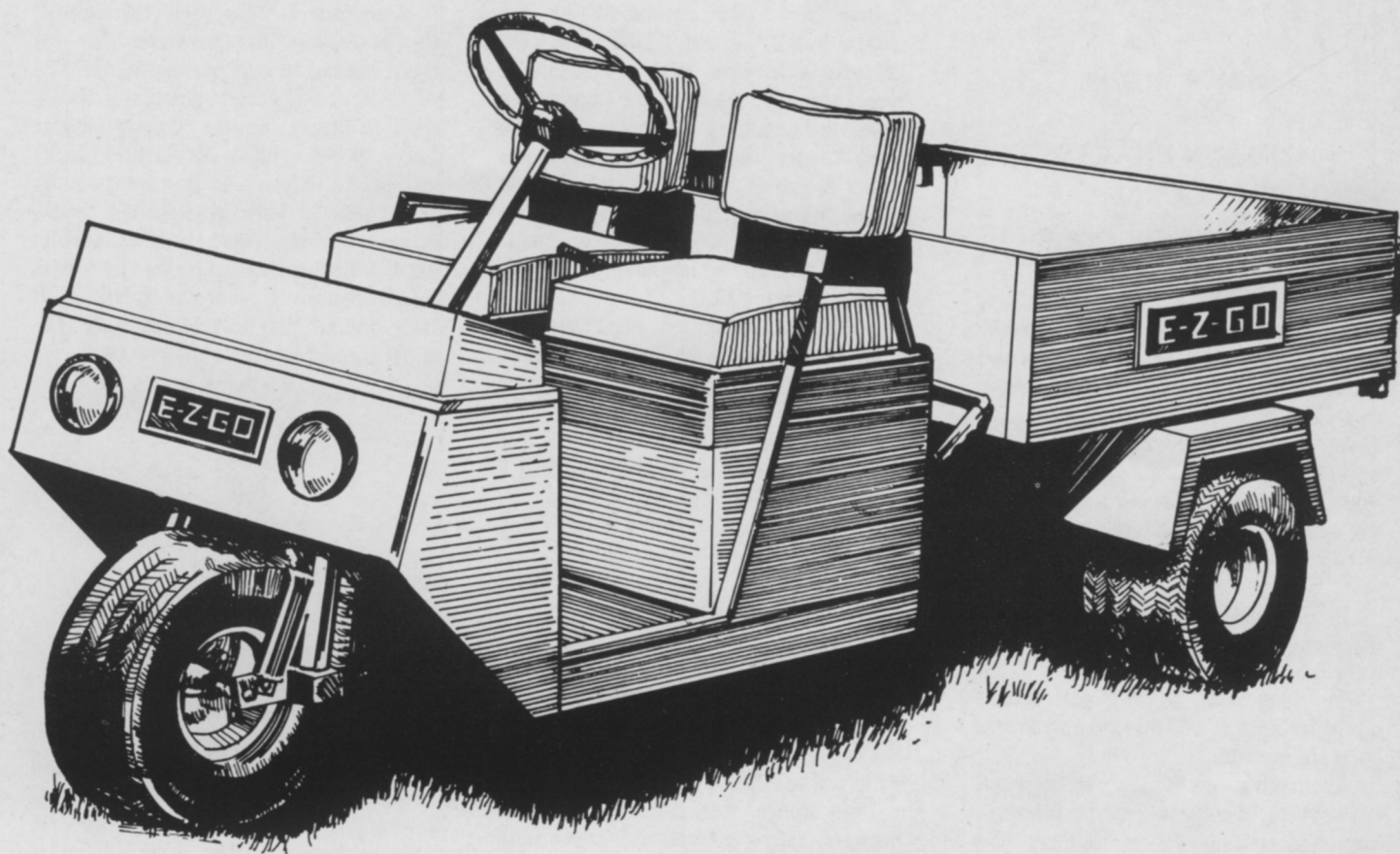
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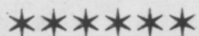
Be sure to see our display at the National Superintendents' Show  
in New Orleans.

## RECOMMENDED READING

Do you desire a better understanding of the functions of plants in the environment? Write the Supt. of Documents, Washington, D.C. 20402 for the Bulletin #42L titled: *Plants, People, and Environmental Quality*. It costs \$4.35 and discusses the aesthetic uses of plants, engineering uses of plants, and the climatological uses of plants.

Available from this same source is Bulletin #59L *Hurricane, The Greatest Storm on Earth* costing \$1.05. This well illustrated booklet examines the nature of hurricanes, how they are born, how they are detected and watched, and what safety rules should be followed to save lives.

Also available from the Supt. of Documents, costing \$.30, is Bulletin #69L titled: *The Employee and OSHA*. It deals with the Occupational Safety and Health Act of 1970 as it relates to working men and women.



### AMMANN CHARTS

#### HIS COURSE:

#### A LIFETIME OF GOLF

*(Editor's Note: This article, written by Golf Sports Writer Chuck Morley, appeared in the Ft. Lauderdale News and Sun-Sentinel on December 22, 1974. We are reprinting it since we are proud to list Phil as an active member of our association and also, we agree with the last two statements in this article.)*

Bonaventure's Phil Ammann remembers when Broward County had only four golf courses.

He remembers when a golf course could be built for \$100,000 and in less than six months.

Ammann's memories bring back days when "Bermuda grass on fairways was almost unheard of. All we had then was a concoction of weeds from tee to green," he says.

"And if you can imagine," he continues, "Our greens back then were almost like our fairways today."

As a golf course superintendent, Phil Ammann goes way back — thirty years and more — all in Broward County.

He began his career in 1940 while still attending Fort Lauderdale High. "My Dad (Walter Weeks) was the superintendent at Fort Lauderdale Country Club and I got into a co-op program. Except for four years spent in the Air Force, I've been working on golf courses since."

**Phil's father spent over 40 years as a superintendent until his death in 1957.**

After his stint with Uncle Sam, Phil came back to Fort Lauderdale and took on the task of building a golf course — Plantation Country Club.

"We didn't have an architect," Ammann said. "All I had was a picture and a blueprint. That was it. We started building in May of '50 and finished up six months later. We spent just over \$100,000 in building Plantation. Gosh, I look at it now. We'll spend over a million dollars here at Bonaventure before we finish the new West Course.

"Looking at it from a builder's point of view, Plantation was an easy course to build compared to the course here," he said. "There was a lot of top-soil to work with at Plantation. Here, we don't have it. We have to use dynamite and haul in whatever fill we need to get the eight foot elevation that's required. Timewise, it's already taken us nine months to get the elevation. And we've already spent over \$125,000 in improvements just this year on the East."

Ammann remained at Plantation until 1967 then took over at Rolling Hills where he remained until coming to Bonaventure six months ago.

"The most dramatic change I've seen in my years as a superintendent," Ammann says, "is of course, the number of courses we've seen spring up all over the county. When I first started working there were only four courses in the county — Hollywood Country Club, Orangebrook, Fort Lauderdale Country Club and a nine-hole course at Wilton Manors (Richardson). Since then, my God, we've got nearly 60 courses in Broward and more on the way.

The image was once that greenskeepers (superintendents) wore bib overalls, and could be seen carrying a rake and shovel into the sunset. Not anymore.

"Over the years, Ammann says, "We've (South Florida Golf Superintendents' Association) worked hard at changing our image.

"First and foremost," he says, "We're not golf course greenskeepers,

we are golf course superintendents. You come in a jacket and tie to our meetings," he continues, "or you don't get in."

"We're high on education too," Ammann said. "The University of Florida and Lake City Jr. College offer degrees in Turf Management. In January, Broward Community College will have a course offering it, too. Not that a degree makes a superintendent. It takes a lot of hard work, too."

Ammann concedes that his job has gotten more technical but insists that mechanization and the availability of hundreds of different fertilizers and weed killers have benefited the superintendents as well as the golfer.

"Mechanization has cut our labor cost," he said. "When once we had to use four men to cut the greens, we need only one now. Where once we had only two types of weed killer we now have any number of sprays that will get rid of anything. We can cut a rough to any height we need with little effort.

Ammann is respected throughout the state by his colleagues for his contribution to turf management.

"About Phil? Let's put it this way," says Inverrary course superintendent Larry Weber. "When Mr. Gaines (Jack) left here and went to Bonaventure, he asked me to help him find a superintendent who was knowledgeable, hard working and could do the job at Bonaventure. I recommended Phil. He's one of the best in the state. His contribution has been enormous."

\*\*\*\*\*



### STRAIGHT SHOTS

"We trust this year that we will find fewer changes than usual in the personnel of the Green Committee. A new chairman, in too many instances means the adoption of different policies and methods than favored by his predecessor and this in most cases proves disastrous to the attainment of best results" . . .

The Golf Course by Peterson,  
Sinclair & Miller  
Jan., 1917.

**STRAIGHT SHOTS (cont'd)**

**COMPARISON OF THE TOXICITY OF COMMON PESTICIDES**

**Most Dangerous**

aldicarb (Temik)  
demeton (Systox)  
disulfoton (Di-Syston)  
mevinphos (Phosdrin)  
parathion  
phorate (Thimet)  
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tepp  
thionazin (Zinphos)

**Dangerous**

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Bidrin  
carbophenothion (Trithion)  
DDVP (dichlorvos)  
dieldrin  
dioxathion (Delnav)  
DNOC  
DNOSBP  
endrin  
EPN  
ethion (Nialate)

methyl parathion  
nicotine  
pentachlorophenol  
phosphamidon (Dimecron)  
sodium arsenate  
Zectran

**Less Dangerous**

azinphosmethyl (Guthion)  
BHC  
binapacryl (Morocide)  
chlordane  
coumaphos (Co-Ral)  
diazinon  
dicapthion  
dichloroethyl ether  
dimethoate (Cygon)  
endosulfan (Thiodan)  
fenthion (Baytex)  
lindane  
naled (Dibrom)  
oxydemetonmethyl (Meta-Systox-R)  
Ruelene

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toxaphene  
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**Least Dangerous**

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DDT  
dicofol (Kelthane)  
Dilan  
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# Fairway Row Planting of Tifton 419 Bermuda

by LOU OXNEVAD, Certified Superintendent, Riviera Country Club, Coral Gables, Florida

## FAIRWAY ROW PLANTING

(Editor's Note: This article was printed in the September 1974 issue of the *USGA Green Section Record*. We are reprinting it for the educational use of Superintendents contemplating similar operations during the coming summer season.)

The 36-hole Biltmore Country Club of Coral Gables, Fla., was opened for play in the fall of 1926. In 1930, 18 holes were left virtually unattended until 1946 when they were re-established as Riviera Country Club.

During the years the course lay unattended, the original fairways were contaminated with numerous natural selections of undesirable bermuda grasses. Mixed throughout the fairways and roughs, most of these grasses were weak and of poor quality. This made it impossible to carry on a proper weed and fertilization program. An inadequate manual water system further hampered our progress.

The Riviera Country Club embarked on a two-year program to replant the fairways and improve the roughs. The first step was to install a completely automatic sprinkler system, which was completed by the late summer of 1973. Next, plans were made for the actual row planting. I had successfully used a three-row tobacco planter for grass planting about eight years ago. Later, I observed the automatic row-planter of Southern Turf Nurseries in operation, and felt that this method of planting would be the best to establish Tifton 419 bermudagrass stolons in existing fairways. The two types of planters under consideration were much the same, except that one machine planted two rows and the other planted four rows simultaneously.

A row-planter, for those unfamiliar with this machine, is one with a large hopper and drawn by a tractor. The overall length is approximately ten feet and the height eight feet. An operator is necessary to release the grass stolons

from the hopper. The stolons fall onto two conveyer belts that carry the grass into two back chutes. Here the planting mechanism consists of an eight-inch turf-cutting disc, followed by a toe plow which opens a furrow. The chutes release the grass stolons into the furrows and a pressure disc pushes the stolons to an adjustable depth. Four arms close the furrow and the soil is then flattened and firmed by two rollers.

The row planting at Riviera Country Club was planned for the second week of May to take advantage of the seasonal rains. Two weeks prior to this date, a slow release 3-1-2 fertilizer mixture was applied to the fairways. Thirty-six hours before the planting of each fairway, it was sprayed with paraquat, using one gallon per acre. The actual planting was begun by using rows 10 to 12 inches apart and adjusting the planting depth for the stolons from 1 to 1½ inches. This depth was considered best for the course, because the soil is a shallow covering over coral rock. Approximately 340 bushels of grass stolons were used per acre. (This exceeded the amount originally planned.)

It proved best to begin planting around the slopes of the greens and then begin the straight furrows for the fairways. Otherwise, furrows around the greens are criss-crossed at the end of the fairway rows, leaving a rougher surface than necessary. A smoother surface was further achieved by following the row-planting machine with a tractor-drawn fairway roller over all areas being planted.

The first half-hour after planting is a critical time for the young grass stolons. Water was applied within this time and continually as planting proceeds. In seven to 10 days after planting, the old fairway grass began turning green again. In areas that were overly wet or heavily thatched at the time of planting, the Tifton 419 stolons were restricted and growth was slower. However, in previously bare areas and where older types of grass grew, the newly planted stolons sent out runners as far as six inches within a few weeks.

Two weeks after the row-planting had been completed, each fairway was fertilized with an 8-8-8 mixture. The planting operation was finished in 22 days with little interruption for golfers. Each day it was only necessary to have two holes closed and out of play.

Six weeks after planting, a light spiking proved beneficial. Three additional applications of ammonia sulphate were applied at the rate of 100 pounds per acre at three-week intervals.

There had been some concern about the ability of a row planting machine to do a successful job on steep slopes. There was some damage to the contours at Riviera Country Club, and I was pleased with the results.

Soil moisture is particularly significant in the operation of a row planting machine. If the soil is too wet the plow will open the furrow too wide and a smooth surface is more difficult to achieve. On the other hand, if the soil is too dry, the plow powders and scatters the stolons, resulting also in a rough surface.

The only frustrating problem to me connected with this method of planting, was the slow and extensive weed regrowth and a wait of several weeks before safely beginning a weed program.

If it is necessary for me to use the row-planting method again, in addition to the procedures followed I would use an application of MH 30 or a similar type of growth retardant. This would be applied two to three weeks before using paraquat. Instead of one gallon of paraquat to the acre, I would reduce the amount to one quart per acre. A light application would just burn the weeds and blades while the growth retardant would slow the greening of the old fairway grasses, subsequently allowing the Tifton 419 to establish itself without excess competition.

Not only have we incorporated a new machine with row-planting, but have also aerified the fairway.

The fairways have now been planted for a period of two months. With the exception of a few small areas, the growth of the Tifton 419 combined with the old fairway grass has resulted in superior fairway quality. A complete renovation of Tifton 419 should be established approximately two years.

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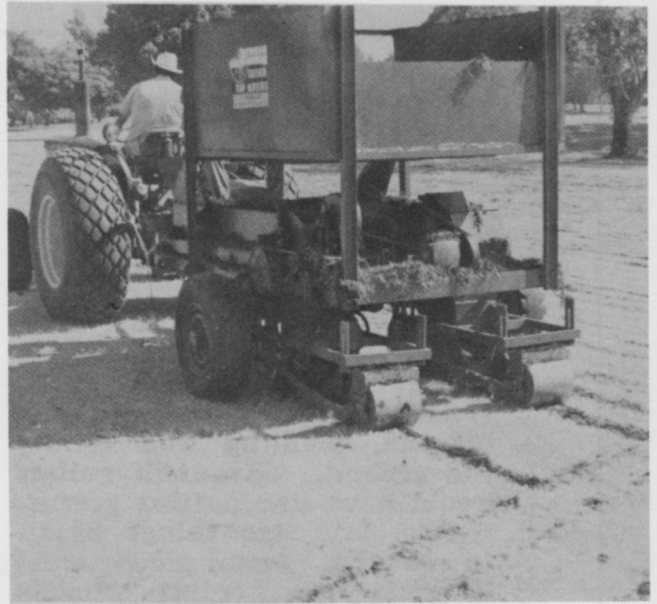


*Completed fairway after row planting.*

*A fairway two weeks after planting.*



*Row planter in operation.*



*The row planting process is underway.*



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## Mustard Greens, Carrots Sprout On Golf Green

**S**AVANNAH, Ga., Nov. 20.—  
(AP)—For days and days  
gangs of men worked on  
greens at the City Golf club,  
plowing, planting and rolling  
the ground. Savannah golfers  
would have fine putting greens.

Two days ago things began  
to come up. Seven greens must  
be made over because officials  
at the golf club decided Savan-  
nah golfers could not putt on  
the crop of mustard greens and  
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seed came were labeled grass  
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From Golf Course Reporter 1932



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### ON MANAGEMENT

#### COMMUNICATING

By: Tom Mascaro

Meetings, Equipment Shows and Turf Grass Conferences seem to be proliferating at a rapid rate. More and more are being held and there is a good reason for this. New technology in Turf Grass Management is moving along at a rapid rate. New equipment designs to counterbalance the ever increasing labor budget is being demonstrated and shown. Water management, especially in South Florida, is being emphasized by our State Water Control people. Golf Course Management is being called upon to maintain quality at lower costs.

All of these activities demand the attention of the Golf Course Superintendent. He should attend as many of these meetings as he can to keep up to date. One of the best investments a club can make is to see that their Superintendent attends the 1975 Golf Course Superintendents' 46th Annual

Conference and Show at the Rivergate in New Orleans. It will be held February 16-21st. Approximately 160 firms will be showing their product lines. Money and time saving ideas will be everywhere. Concurrent Educational Sessions will allow the modern Superintendent to select subjects that will be most beneficial to his club. This will be by far the most important

event of the year to the Superintendent and his club.

Material should be brought before the attention of all club officials if they have not been already informed. This is one area of expense that should not be cut back. All it takes is one idea to more than make it up. Progressive club officials know, and will help pave the way to more efficient days ahead.



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A PICTURE IS WORTH A THOUSAND WORDS.

## NUMEROUS PUBLICATIONS FOR SUPERINTENDENTS NOW AVAILABLE FROM GCSAA HEADQUARTERS

As a service to its membership, and other interested individuals, the Golf Course Superintendents Association of America has a wide variety of publications available, most of which are cost-free. Some of these publications are available to non-GCSAA members for a nominal charge, some are not available to non-GCSAA members.

The following is a listing of publications which are currently available from the headquarters office:

*Golf Course Superintendent Career*, (no charge, available to all persons). This new flyer replaces GCSAA's "Careers In Turf," and is designed to provide information about the profession to potential students and those considering becoming superintendents.

*Your Next Step . . . GCSAA Certification Program*, (no charge, available to all persons). A brochure describing the Association's Certification Program, its benefits to the individual and the profession, it contains a wealth of information about the program and an application request form is included.

### Limited Distribution Publications

*GCSAA Pesticide Usage Reference Manual*. (available only to GCSAA Pesticide Seminar I participants until March 1, 1975 at which time it will be available on a cost basis). This 150-page publication offers information to prepare the superintendent for the state-level pesticide applicator's licensing and/or GCSAA Certification Program.

*The Golf Course Superintendents Public Relations Handbook*, (available only to recognized chapter secretaries, no charge). The 16-page booklet details methods to utilize in organizing a chapter oriented public relations program. In addition to considerable information, samples of news releases are included.

*Golf Course Superintendent's Guide to OSHA Regulations*, (available only to GCSAA members, no charge). This general guide to the OSHA regulations which most concern golf course operations, offers valuable information without the legal

jargon and volume of the original regulation. It is however recommended that the complete regulation document and updating material be referred to when technical questions arise. *All About OSHA*, a US Department of Labor publication, is also sent with the Superintendent's Guide. This second publication provides background information about the internal workings of OSHA.

*Business Card Order Form*, (available only to GCSAA members, no charge). Personalized business calling cards are offered through this pamphlet. In addition to an actual sample of the card, a variation for the non-superintendent member is shown. Complete ordering instructions are given along with the form.

*Proceedings of GCSAA's Conference and Show*, (available to GCSAA members for \$3.00 each and non-GCSAA members for \$10.00 each). Copies of the educational program presentations for the 1973 Boston Conference and the 1974 Anaheim Conference are currently available.

*GCSAA Membership Directory*, (available to GCSAA members for \$2.00 and non-GCSAA members for \$25.00). Copies of the 1974 and 1975 editions are currently in supply. These directories provide complete information about the Association, its history, past presidents, annual conferences, members of that year, etc.

### Career Publications Being Prepared

Two publications are currently being prepared for distribution by the GCSAA which will be career oriented. One of the publications will assist superintendents seeking a new position, while the second will assist courses in acquiring the services of a competent superintendent. Final publication dates have not been set.

### Requesting Publications

Anyone interested in receiving any of the publications which are available to them should make their requests directly to the GCSAA Headquarters, 1617 St. Andrews Drive, Lawrence, Kansas 66044.

## EMPLOYMENT REFERRAL SERVICE AIDS GCSAA MEMBERS & COURSES

Helping both the superintendent and the golf course, the Employment Referral Service (ERS), a program administered by the Golf Course Superintendents Association of America, aids in bringing together a superintendent seeking a new challenge and a course in need of a good superintendent.

Available to all GCSAA members at no cost, the service maintains a listing of members seeking potential job information and courses seeking superintendents. In clearinghouse fashion, the Association accepts listings of job openings during the week and each Monday makes a mailing directly to the GCSAA members who have requested this information. This mailing contains all newly received position announcements, the proposed salary range and other pertinent information.

Regardless of membership class, a GCSAA member may confidentially request that he be placed on the ERS mailing list for a period of four months. Because only information concerning position openings are distributed, the individual member's name is never disclosed, and if he is interested in a position, the member must personally contact the course.

Individual members wanting this service need only contact the GCSAA headquarters office in Lawrence, Kansas, either by telephone or mail and give their name and preferred mailing address. Courses, on the other hand, must provide the headquarters office with pertinent information concerning their opening. Both requests will become active within a week because of the weekly mailing system now being utilized.

The headquarters office requests that either the superintendent or the club notify them when a position has been filled so that the ERS listings may be as up-to-date as possible. If an individual is still interested in receiving the ERS information after his initial four month period, he simply has to request that he be returned to the mailing list for another four months.

### Points to Remember About ERS

1. Cost-free to GCSAA Members and courses.
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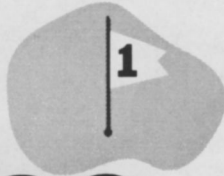
February 16-21, 1975  
GCSAA 46th International  
Turf Grass Conference and Show  
New Orleans, La.

March 4, 1975 - Tuesday  
Poa Annua Classic at  
Oxbow Country Club  
State Road 80  
LaBelle, Fla.

April Meeting -  
Location to be announced



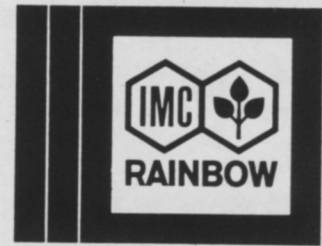
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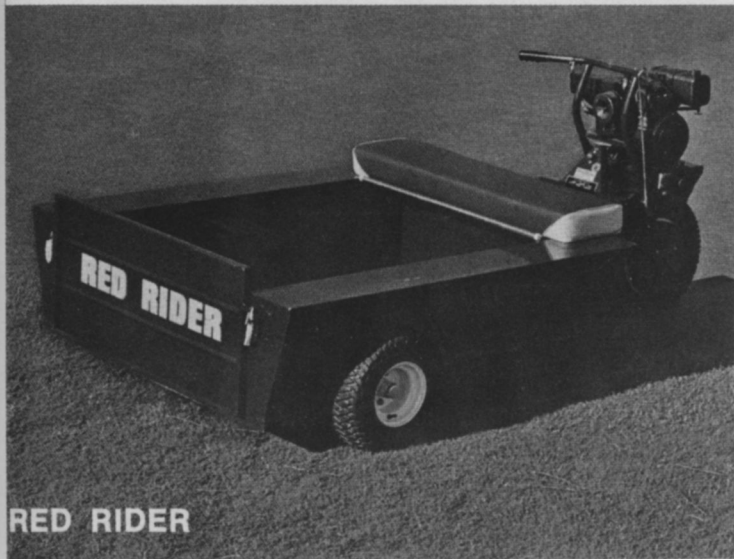
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**You Owe It To Yourself And Your  
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