



THE SOUTH FLORIDA GREEN

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The Official Bulletin of the South Florida Golf Course Superintendents Association



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Associate Editor



Dan Jones
Editor



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ON OUR COVER

The 11th hole at Colony West shows the natural beauty of this fine 18 hole championship course. Designed by Bob Hagge and Bruce Devlin and opened the summer of 1971. It is truly a championship course playing 7,553 yards from the blue tees. Well trapped and with water coming into play on 11 holes.

Golf course superintendent Dick Lemmel and his crew keep the course in tournament condition year round.

President's Message



The South Florida Golf Course Superintendents Association first became organized in 1939. Since that time we have worked to keep South Florida a leader in the world of golf. Our efforts have been worthwhile and rewarding.

At no time in the past has the involvement of our members been greater. More are contributing to the betterment of the Association. More are actively working to maintain the finest standards in our profession. With this drive our current projects are rapidly becoming realities.

South Florida is one of the most dynamic areas in the country. A warm climate brings increasingly more people to live, visit and play golf — on a 365 day a year basis. There are approximately 250, 18 hole golf courses in South East Florida. Demands on our courses are greater than those of courses with a six or eight month playing season.

There have been many national surveys on golf course maintenance costs, but none of these reflect our particular situation. The South Florida Golf Course Superintendents Association is compiling a survey specifically for South East Florida. This survey covers all aspects vital to golf course operations. I urge all who receive this questionnaire to complete and return the information promptly. Those who don't receive it should ask for it. This survey will surely be a news making disclosure. Another step forward for our Association.

Tom Burton



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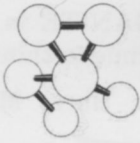
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PRESIDENT'S INVITATION



PLEASE ACCEPT THIS AS YOUR PERSONAL INVITATION

to participate in GCSAA's 48th International Turfgrass Conference and Show February 6-11, 1977, in Portland, Oregon.

The theme for the conference is "Turf Management — A Synergistic Approach." Synergism is the simultaneous action of many parts that together have a greater effect than the sum of their individual actions. It has long been a hallmark of GCSAA conferences. It is at the conference, under the auspices of the only recognized international organization of golf course superintendents, that members and other interested experts gather and combine their separate talents and knowledge into the most important turfgrass event of the year.

The conference is a vast educational forum where some 70 experts in the field will present and exchange information with superintendents and others from around the world. Four pre-conference seminars begin Saturday, February 5, and qualified GCSAA members may take the Certified Golf Course Superintendent examination on Sunday, February 6.

Graphic illustrations of the synergism that exists between man and machine and between man and science will abound in the Exhibit Hall of the Memorial Coliseum Complex, where more than 150 firms will fill 100,800 square feet with exhibits and demonstrations of the most advanced and sophisticated tools for turf management. The show will be open Tuesday, February 8, through Thursday, February 10.

In addition, the Oregon Seed Council has offered conferees the unique experience of visiting the Oregon grass seed industry on Friday, February 11.

As you read about other details of the conference and show in this brochure, remember that your attendance will magnify what you bring, and you will take home far more than you brought to share. I personally invite you to join me and the 5,000 others who will be in Portland for the GCSAA Conference and Show in February.

Sincerely,

Richard W. Malpass, CGCS
GCSAA President

Chemically Speaking

by GERRY MILLHOLEN

This is the first of a series of articles relating to the Turfgrass Industry and pesticides. This article will deal primarily with four compounds soon to be labeled for use on turf.

1. **RONSTAR** (Oxidiazon) is a selective pre-emergence herbicide which will be labeled in the first half of 1977 for use on golf course turf. Manufactured by Rhodia, Inc. it has a 2g formulation, the rate is 1-3 lbs. active/acre. Weeds controlled include goosegrass, nutgrass, pigweed, purslane, lambsquarters and chickweed. The chemical is applied pre-emergence to soil surface. The half life of Ronstar varies from 3-6 months depending on soil type and application rates. It is moderately persistent in soil, does not leach. In pre-emergence application the herbicide is absorbed by the young weeds as they grow upward through the treated zone. Ronstar is more active in moist soil than dry. Rainfall or irrigation is required to activate this material. It has little or no effect on existing weed root systems.

2. **CYPERQUAT** is being tested by Gulf Oil Chemicals Company as a post-emergence herbicide. Important weeds controlled by Cyperquat include purple and yellow nutgrass, smartweed, and sorrel. The rate will be from 2-4 lbs. actual/acre. The LD is 35 mg./kg. Formulation is 3 EC and 5 EC. Foliar spray kills the top growth and severely inhibits or prevents regrowth of underground tubers. Nutgrass turns yellow in 3-5 days and dies within 2-4 weeks. There is no pre-emergence activity. Registration is pending.

3. **SWARD** (Prosulfalin) will be registered for use on turfgrass early next year by Elanco Products Company. It is formulated as a 50% WP to be applied via ground spray equipment at the rate of 1.5-3 lbs. active/acre. Sward is applied about two weeks before weeds germinate. Important weeds controlled on a pre-emergence basis include goosegrass (crowfoot), crabgrass, pigweed, poa annua, among many others.

4. **AUSULOX** (Asulam) will soon be registered for use on Florida turf. It has already received registration for use on non-cropland and sugarcane. Ausulox was developed in the U. S. by Rhodia, Inc. Formulation is 3.34 A.I. aqueous concentrate. The LD 50 is 2000 mg./kg. Rates on turf will be 1.5-2 pounds active/acre. Major weeds controlled include goosegrass, johnsongrass, and crabgrass. Ausulox is applied post-emergence when the target weeds are vigorously growing. Ausulox is a systemic which can be taken up by roots or leaves and translocated to other parts of the plant. Signs of herbicidal action are yellowing of leaves, stunting and death of the growing points. Most rapid activity occurs in high temperatures. This material may be mixed with phenoxy herbicides and buteril. Herbicidal activity may not be observed for 2-3 weeks. There is some pre-emergence activity but it is short lived. Ausulox is safe to fish and wildlife.

ABOUT THE AUTHOR: Gerry Millholen is Technical Representative for Woodbury Chemical Company and an active member of the S.F.G.C.S.A.

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A SCOOPFUL OF SOIL . . .

By TOM MASCARO

Riviera Country Club, located in South Miami, is one of the old well established clubs in the area. When the site for this club was selected it was part of the old Biltmore Club which was established in 1926. In 1930 the 18 holes of the present Riviera Club was abandoned and much of it grew to weeds. In 1946 the Riviera Country Club was formed. Through the years many changes and improvements have taken place.

It has always been difficult to grow good turf at this club. One of the basic problems is that topsoil is practically non-existent. When Golf Course Superintendent Lou Oxnevad, came to Riviera he began a long range plan of improvement. Anyone who knew the course



Scoop in hand, Superintendent Lou Oxnevad shows how it's done at Riviera C.C.

in former years can attest to the fact that Lou has done a great job. His efforts have ranged from improved parking facilities and landscaping to complete renovation of the fairways. Our story centers on Lou's fairway improvement program. The common bermudagrass on the fairways provided poor playing conditions. Lack of soil also contributed to the problem. The course is built on a solid coral rock base. Topsoil ranges from as little as one inch to three inches. Lou felt that the only solution was to plant a hybrid bermudagrass and hope for the best. Any other approach, such as hauling in topsoil would have been too costly. He selected 419 bermudagrass, which was cut and sprigged into the existing turf. Paraquat was used to burn back the common bermudagrass. In a nutshell, the renovation program was successful. The problem of limited topsoil, however, is still a problem. Especially when divots are taken.

Now Lou tackled this problem in a rather unusual way. Discussing the situation with Buck Luce, who is the club professional, Buck mentioned that he had played a course where some of the members carried a pail of soil on their golf cars and put a handful down instead of replacing divots. Lou latched onto this idea in his usual dynamic way. First he reasoned that replacing divots was detrimental because they smothered new healing growth. Second, he knew that replaced divots only remained in place until the next mowing, which knocked them out and chopped them up. However, as a good golfer himself, he knew that replaced divots also made for a fair lie for following golfers.

Filling divots would do a number of things that would please the golfers and be good for the grass. Placing soil in divot holes would provide a fair lie for follow up golfers. Placing soil in the divot holes would be good agronomically, since grass would be stimulated for regrowth and not be smothered. And

best of all much needed topsoil would be put down. However small, over a period of time this could become significant.

The plan was simple. Provide every golf car with a bucket of good soil and a small scoop. At first, the membership was cool to the idea. After a while, they found it was no trouble at all to place a small scoopful of soil in the divot holes. As membership enthusiasm (and pride) increased, everyone got the fever. Today most all of the members have adopted the system.



Buckets are attached to golf cars at convenient height, without getting in the way of golfers.

Lou experimented with various size buckets and scoops until he found the most practical and convenient sizes. After trying the inexpensive buckets and scoops, he has gone to good substantial plastic buckets and metal scoops. He drills 2, 3/8" holes in each bucket about 3" from the top and 1" above the bottom for drainage in case of a sudden downpour. The buckets are fastened to the golf cars at a convenient height. They are out of the way and in no way inconvenience the golfer. They are easy to fill, easy to use. All 58 golf cars at Riviera are equipped with buckets of soil. Every morning all buckets are refilled. About three wheelbarrow loads of prepared soil mix is required each day on the average. In other words, approximately one third of a yard of soil is added on a daily basis. This may not sound like much, but Lou estimates that the golfers have put out about 25 yards of soil since the plan was started in July. The great thing about this effort is that everyone is serious and conscientious about it.

One weekend they ran out of topdressing and there were so many demands by the golfers for full buckets that the crew had to use almost pure sand with whatever soil they could mix with it. On another occasion, one foursome came back five times to refill their buckets on one round.

All in all, this effort at Riviera Country Club demonstrates and proves many things: The golfer's pride and concern for his golf course, good communications within the club organization, good communications with the members and equally as important, a Superintendent like Lou Oxnevad, is tuned in to the needs of his club.

Footnote: The author does not mean to imply that the procedures outlined in this article would be ideal in all situations. Anyone considering these techniques must weigh the need and benefits against the costs and effort.

HOOKS & SLICES

Anybody who believes a dog's bark is worse than his bite is probably trying to sleep.

Man to Friend — After three sets of clubs and ten years of lessons, I'm finally getting some fun out of golf, I quit.

In Tavern — I figure my wife is going to live forever. She has nothing but dresses she wouldn't be caught dead in.

The Great American Mysteries — Who does the umpire boo and who listens to the bartender's troubles?

Shoe salesman to customer — There's a special on today, buy one shoe for \$35.00 and get one free.

If you drink, don't drive. Don't even putt.

Probably the last completely accurate weather forecast was when God told Noah there was a 100% chance of precipitation.

COMING EVENTS

January '77—SFGCSA Meeting: Educational Program presented by the Personnel of the University of Florida Research Station, Fort Lauderdale, Tuesday, January 11, 1977 at 10:00 A.M.

February '77—48th International Turfgrass Conference Show, sponsored by the Golf Course Superintendents Association of America, Portland, Oregon, February 6-11, 1977.

SFGCSA Meeting: Fairchild Gardens, Tuesday, February 15, 1977 at 10 A.M.

March '77—SFGCSA Meeting: "Poa Annuu Classic," Oxbow Country Club, LaBelle, Florida, date to be announced.

April 77—SFGCSA Meeting: Riviera Country Club, Coral Gables, Tuesday, April 12, 1977 at 10 A.M.

May 77—SFGCSA Meeting: "Equipment and Suppliers Day," University of Florida Research Station, Fort Lauderdale, Tuesday, May 10, 1977 at 10 A.M.

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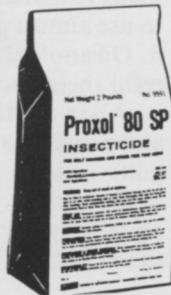
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HOST SUPERINTENDENTS

October



Dr. Glenn W. Burton

Our October meeting was held at the Broward County Extension Office. Mr. Lou Watson, Broward County Extension Agent was host.

We were fortunate to have as our special guest speaker Dr. Glen Burton. Dr. Burton is Research Leader and Research Geneticist, Agricultural Research Service, U.S. Dept. of Agriculture, Tifton, Georgia.

He was born in Nebraska, graduated from the University of Nebraska, obtained his Master's and Doctor's degrees at Rutgers University and since 1936 has conducted research with forage and turf grasses.

During that time he has developed 32 varieties of grasses including Tiflawn, Tifway, Tifgreen and Tifdwarf turf grasses.

He is an author of 480 papers describing his research. He has trained 15 graduate students. He has been president of the Crop Science Society and the American Society of Agronomy.

Dr. Burton is the recipient of 28 national and international honors. He is still actively engaged in developing superior grasses for pasture and turf.

November



Russell Milne

The host for the November SFGSCA meeting was Russell Milne, superintendent of Boca del Mar in Boca Raton. Russell, originally from Cape Code, Massachusetts supervises both the north and south courses at the 500 plus member club.

DeArmand Hull, Agricultural Extension Agent for Palm Beach County presented slides on characteristic adaptations and programs of palm trees. Mr. Hull's new assistant, Gerald Swan introduced "Florida Lawn and Shrub Maintenance" assembled by the Palm Beach Extension office. Describing various adapted lawn grasses and their peculiarities was Lou Watson of the Broward Extension Office. Turfgrass fact sheets can be obtained from his office in Fort Lauderdale. Dade County Agricultural Extension Agent, Lou Daigle explained the soil testing service provided by his office and presented slides on shrubs, trees and other ornamentals adapted to our area.

Our Association is grateful to our host and his staff and our speakers for an exceptional session.

December



Al Bryant, Jr.

Superintendent, Al Bryant, Jr., of Miami Shores Country Club hosted our December meeting. Al came to Miami Shores from such prestigious clubs as the Oriole in Margate, the Country Club of Florida and the JDM where he assisted Carl McKinney.

The city owned 18 hole course provided the setting for an outstanding educational session. Speakers Skip Lambert of Southern Turf Nurseries and Paul Turcotte, Dade County Parks and Recreation, discussed the P.A.T. (Prescription Athletic Turf) System in use at the Orange Bowl. A trip to the Orange Bowl after the meeting provided additional insight into this new concept.

Sincere thanks to all for a fine meeting to close the year.



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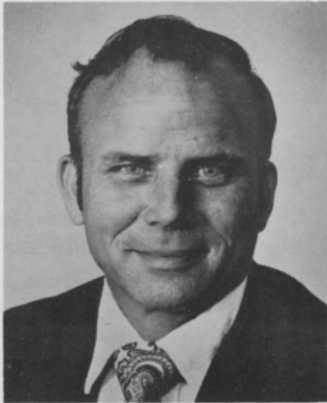
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1976 - 1977 will be marked with a new educational program and a Director of Education. Dr. Harry Meyers will be working with the Education Council, the Board of Directors and the Scholarship and Research Foundation to bring you, the members, a new educational concept.

The 1976 Conference and Show was most successful. Registration was 653, down from last year, but many other organizations are also experiencing the same downward trend in attendance. We must avoid apathy and work to interest everyone in the turf industry to join the Association, work with the Board and attend the meetings. Efforts will be made next year for a larger attendance and more exhibits. The program will be what you indicate to us that you want. Questionnaires will be mailed asking for your help in identifying areas you would like covered on the program and also speakers you would like to hear. Right now indications are that there will be some panel discussion programs, with golf superintendents taking part in their own session.

The Florida Turf-Grass Association will be celebrating its 25th Anniversary at the 1977 Conference and Show, scheduled for October 16 - 19th, at the Sheraton Towers Hotel, Orlando.

Board Meetings dates and locations will be approved at the December 9th meeting which will take place at the Sandpiper Bay Inn, Port St. Lucie. These will be announced in the next issue. All members are invited to attend these meetings.

Council Chairmen, Committee Chairmen and committee members have been appointed; however, if you would like to

serve on a specific committee, you may make your wishes known to the Executive Office or to one of the Officers or Directors in your area. Appointed to serve on the Conference Committee from South Florida are: David DeBra, General Chairman; Joe Yuzzi and Dan Jones. This is your Association, and we need your help, ideas and suggestions to make it better.

Advertising contracts will be mailed shortly for the Conference Proceedings and the Membership Directory. Membership information cards will be sent to you very soon and we request your cooperation in returning them as soon as possible with correct information, including phone numbers and zip codes. This information will be included in the Directory.

Your 1976 - 1977 Board of Directors:

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THE MODERN SUPERINTENDENT

Part V

By DAN JONES

KEY PARTS OF THE PUZZLE

If a golf course maintenance operation is to be successful, every employee has to be an interlocking part of the puzzle. This means every employee is given a specific job, taught how to do the job, and motivated to achieve the best results. This achieves two things; a better job and a proud employee.

Upon close examination of the puzzle, we see there are four key pieces. These are often referred to as the corner pieces. They consist of the mechanic, the sprayman, the irrigation man and the cupcutter. The importance of these positions and the key personnel to fill them cannot be over emphasized. They should be the highest paid employees. Why? Because they handle more responsibility, are critical to the overall golf course maintenance operation, etc. In this article we will look at the mechanic and how he affects the total maintenance operation.

THE MECHANIC

All successful golf course superintendents have one thing in common. Good mechanics. What makes a good mechanic? First, he must have a good mechanical mind. Second, he must be assertive in dealing with other employees concerning the operation and care of equipment. Third, he must be aware of (and care about) repair costs and their control. Lastly, he must have pride in mechanical condition of the equipment, the looks of the equipment and the neatness, orderliness and cleanliness of the repair shop. Impossible? Science Fiction? No Such Animal? WRONG! These men are available. We are fortunate to have such a person at Aventura in Bob Toto. The criterion for this article is taken from his operation.

Like any other employee, a mechanic must be motivated to perform at top efficiency. How can we achieve this? By holding him responsible for the total shop operation, the condition and operation of all equipment and cost of repair parts. Let's look at each of these separately.

Shop Operation: The shop must be kept clean. A complete set of mechanics tools must be kept on hand at all times. The mechanic must wear a clean uniform daily. A complete set of repair and parts manuals to cover all equipment. Sufficient shop equipment (grinding and lapping machines, H. D. jacks, chain hoists, etc.) So the mechanic can do a good job.

Condition and Operation of Equipment: The mechanic must keep

the equipment in first class condition. This is accomplished by following the manufacturers recommendations on daily, weekly, monthly and yearly service. The mechanic cannot do this without records. To be effective, records must be kept simple and not consume a lot of the mechanics time (see article on record keeping in July's issue of the South Florida Green). Worn parts must be replaced immediately or major repairs will result.

The mechanic can also help control the operation of equipment. If a piece of equipment is being abused or a part is broken by negligence of the operator, this should be reported to the superintendent. In order for this to be effective, you must back up the mechanic 100% (such as warnings, suspensions, and if necessary, firing).

Our modern equipment is very complex and can completely befuddle a mechanic if he is not properly trained in hydraulics, solid state circuitry and other innovations to turf grass equipment. To make sure Bob is kept abreast of all the latest techniques, we send him to a one week's mechanic school yearly (total cost to company \$500.00). Last year he took basic hydraulics. This year he will take advanced hydraulics and solid state circuitry.

Cost of Repair Parts: This is better known as the budget killer. During the last two years, parts costs have risen at an alarming rate. This is partly due to increasing the life of existing equipment due to the tight money situation. How can a superintendent control this grey area? By holding the mechanic directly responsible for parts cost.

Bring the mechanic to your office and show him your operating budget. Let him see what you have budgeted for parts. Inform him that you are holding him personally responsible for that section of the budget and challenge him to equal or better it. Then show him your monthly expense sheet from the accounting office (see October issue of the South Florida Green) so he can see how he is performing. As the months go by you will find him eager to see the expense sheet and his pride will soar.

This system was started at Aventura one year ago. During the first year, Bob cut his parts costs by 50%! We are projecting a further savings of 10% this year. This is being accomplished while parts costs are rising 10-15% yearly.

In conclusion, I would like to stress the importance of communication, motivation and accountability in dealing with golf course mechanics. This will make your job easier, give you better equipment, and you will have a happy and energetic employee.

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Successful Superintendent

Part II Scheduling

By MAX A. BROWN, Ph.D.

In the October issue we stated that there are three traits common to every Successful Superintendent. They are:

- 1) He handles people well; good personal communications.
- 2) He is well organized and scheduled.
- 3) He has ready access to necessary technical information.

The last article investigated the handling of people; personal communications. Here we will discuss the second trait: Organizing and Scheduling.

Let us follow a top Golf Course Superintendent around for a day on the job, observing how he handles the daily routine. The first thing we notice is that his employees seem to be productive and know what to do. A second observation is that there are very few crises arising which upset the normal routine. Thirdly, his total operation seems to go like clockwork. Sure, there may be the occasional emergency, but it is handled in stride.

On the other hand if we follow a less accomplished Superintendent for a day we find that his employees often have nothing to do after finishing a job. They are continually asking what they should do next. His day is beset with crises, the unexpected is always happening. We also find that he is continually frustrated and apologizing for not getting everything done he feels he should. He is always too busy to do many of the things he would like to do.

Read carefully this pertinent analysis recently given to me by an

astute golf course owner: "There is a very fine line between being very busy and simply being confused." Think about that for a while.

If we look again at the Successful Superintendent we will find that he has very precise schedules and programs for each of his operations. These schedules may be carefully written or stored in his head, but he ALWAYS has them. Some experienced Superintendents can store intricate programs in their heads but I don't have that kind of capacity. I recommend writing them out.

Scheduling and programming relieves much of the management burden of a routine maintenance operation. To a large degree, maintaining a golf course is routine repetitive maintenance, much like the housekeeping operation in a hotel. Watch an experienced maid in a hotel. She has a set routine or schedule for cleaning and readying a room for its next occupant. As long as she follows her schedule she is extremely efficient and never skips a detail.

The same can be done on a golf course. We have repetitive jobs of mowing, watering, raking, fertilizing, spraying, housekeeping, etc. Why can't we program them like clockwork? We have done it with irrigation.

Not many years ago all of our watering was done manually. We would train a man to place sprinklers into snap valves around the course as best he could. Maybe he would skip a valve one day and water stress would show. Maybe he would go to sleep or be otherwise delayed and overwater another area. The precise control was not there.

Now many of us have automatic irrigation systems wherein we set precise watering times and watering intervals into a controller. The accuracy and control over our watering program is immensely improved as is turf quality. It is better because we have been able to schedule and program our watering.

Many of our routine maintenance procedures like mowing, raking, fertilizing, spraying, etc., can be programmed as well. Maybe we can't dial these operations into a mechanical controller, but they can be programmed.

It takes a good knowledge of all aspects of turf management and golf course operations to formulate effective schedules. They must include seasonal adjustments and preventive pesticide schedules. I like to make up four schedules on large charts for easy reference.

- 1) Yearly schedules, including infrequent operations such as aerifying, nematode control, etc. You must include golf tournaments, vacation schedules, special projects and seasonal adjustments in mowing frequencies, fertilizing frequencies, etc.
- 2) Monthly schedules should include mowing frequencies, preventive pesticide schedules, fertilizing, golf tournaments and special events. Be as precise and inclusive as possible.
- 3) Each week a schedule should be made up by reviewing the yearly and monthly programs. Communicate closely with the club manager and pro shop for special events.
- 4) A daily schedule must be formulated for each day from the weekly schedule.

Effective programs and schedules must be flexible enough to be changed as needed. They must be flexible enough to accommodate the weather, equipment problems or manpower changes. Don't be afraid to change a schedule if it's not working. You won't get everything right the first time. If things aren't working just right, check your schedules.

Making up schedules and programs, like making up a budget, forces you to analyze your total job as a Superintendent. It gives you an overview of your job. It allows you to look at the forest and not be blinded by all of the trees. You will be surprised at how much extra time you have and how much pressure it takes off your back. You may even find a way to do some of those projects you have always been too busy to accomplish.

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CAN YOU TOP THIS? . . .



A Golf Course In Florida

Answer on Page Sixteen

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"A Bit of Fiction on Growing"

By SUSAN F. EDWARDS

The day started at 4 AM, when on climbing from bed I discovered the dog couldn't wait and didn't. But that's all right. On the way for the mop and pail another discovery. There was water throughout the house. As I glided through the water I felt the need to survey the scene. On went the light, out I went. Never touch a lamp while standing in an inch and a half of water. But it's okay. A new water heater isn't that expensive and the carpets should be dry by spring. The lamp can be fixed.

Breakfast was welcomed. I always liked oatmeal anyway. It has so many uses. Wet, it can glue fingers and hair together. Dry, it can make wonderful things like paperweights and doorstops. After breakfast I was looking forward to work.

As I started the car, I listed my thoughts for the day's work schedule. On pulling out of the driveway the sudden shriek was disarming. The kids weren't too upset about Fluffy. And the Vet said that cats have remarkable tails. Fluffy's should mend well in about six weeks.

The day on the course pretty much routine. A few things came up. Out of two hundred fifty trees, twenty are left standing. The weather bureau said there hasn't been a tornado that size around here for years. The course should be clear in about three weeks. Since we can't mow for a while, it doesn't really matter that diesel fuel wound up in the tractor's gas tank. Oh, well.

After reflecting over the day's happenings I cannot help but feel stronger. Today I did not fuss, complain or raise my voice. Today I did not fire anyone. Today I am a man; I grew. Today I learned my in-laws are coming for a two-month stay. I think I'll cry.

Editor's Note: Susan Edwards is Tom Mascaros super secretary and the silent editor that keeps this news letter moving forward.

STRAIGHT SHOTS

The number of restaurant diners who request doggie bags to take home their leftovers exceeds by 9.2% the entire canine population of the U.S.

Tact is the art of recognizing when to be big and when not to be little.

Gossip, unlike river water, flows both ways.

A knife of the keenest steel requires the whetstone, and the wisest man needs advice.

No one so thoroughly appreciates the value of constructive criticism as the one who's giving it.

The egotist always hurts the one he loves — himself.

The respect of those you respect is worth more than the applause of the multitude.

RECOMMENDED READING

Here is a list of Basic Periodicals that every Golf Course Superintendent should subscribe to and have on his shelf:

1. "Quarterly Reports on Fertilizers and Pesticides"; Florida Department of Agriculture and Consumer Services; Doyle Conner, Commissioner; Mayo Building, Tallahassee, Florida 32304.
2. "Golf Business"; Harvest Publishing Company; 9800 Detroit Avenue, Cleveland, Ohio 44102.
3. "The Golf Superintendent"; Golf Course Superintendents Association of America; 1617 Saint Andrews Drive, Lawrence, Kansas 66044.
4. "Grounds Maintenance Golf Course Manual"; Intertec Publishing Corporation; 1014 Wyandotte Street, Kansas City, Missouri 64105.
5. "Southern Golf Course Operations"; Brantwood Publications; P. O. Box 77, Elm Grove, Wisconsin 53122.
6. "Turf-Grass Times"; Brantwood Publications; 850 Elm Grove Road, Elm Grove, Wisconsin 53122.
7. "Weeds, Trees, and Turf"; Harvest Publishing Company; 9800 Detroit Avenue, Cleveland, Ohio 44102.

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EDITORIAL

By TOM MASCARO

"Tax Deduction for Educational Expenses: Treasury regulation #1.162-5 permits an income tax deduction for Educational expenses (registration fees and costs of travel, meals, and lodging). Undertaken to: 1. Maintain or improve skills required in one's employment or other trade or business, or, 2. Meet express requirements of an employer or a law imposed as a condition of employment, job status, or rate of compensation."

Even the Treasury Department of the United States recognizes the need for continuing education. Many golf course officials are unaware of the need for updating agronomic information in order to produce the playing conditions they want.

Growing turf is a dynamic profession, in that all living plants on the golf course are in a constant state of change. Minute by minute, hour by hour and day by day these changes take place. Turfgrasses mature and regenerate, trees, bushes and shrubby grow, and will never be the same as yesterday.

Another consideration is that our man made laws in recent years, have become very dynamic. They too are in a constant state of change. Old reliable chemicals have been outlawed, new ones need close observation and study. Licenses, permits and certification tests need to be dealt with — very carefully. All golf course superintendents need to keep up with a constantly changing situation. Most well informed club officials approve a budget that allocates a small fraction of the total operation cost for Educational purposes. What, exactly does this involve? In South Florida the Golf Courses Superintendents belong to:

The South Florida Golf Course Superintendents Association

This organization meets regularly on a monthly basis. Two meetings are held at the University of Florida Experiment Station in Fort Lauderdale. The balance of the meetings are held at various clubs in the area. These meetings consist of a short business session, an Educational Session with excellent speakers on vital subjects dealing with club operations, lunch and afternoon golf at the host club. Club officials are welcomed to attend and enjoy the meetings and golf.

The Florida Turfgrass Association

This is a state wide organization of all facets of the Turfgrass Industry. Golf Course Superintendents play an important role in this organization. It is the official voice for all clubs regarding legislation and many other matters that directly effect the future of golf. One meeting a year is held, combining two full days of Educational Sessions and a trade show. Educational Sessions include speakers from the turfgrass world, from the University of

Florida, United States Golf Association and from industry. The trade show is usually sold out. Every major supplier in Florida uses this show to display his products and answer questions.

The Golf Course Superintendents Association of America

This organization is international in scope. It holds the largest turfgrass conference in the world. It is held in various cities in the United States and Canada. National and International speakers present papers on all aspects of turfgrass culture. The trade show covers products of all national manufacturers. Week long meetings and viewing exhibits bring every Superintendent up to date. The GCSAA also publishes a monthly magazine called the "Golf Superintendent" containing timely articles and product information. A certification program for Golf Course Superintendents is offered by this association. Various insurance programs are also offered to members. Regional Seminars on many subjects are sponsored by its Educational Director along with many other services.

Belonging to and attending the meetings of these three organizations is a necessary part of every club operation. Sufficient funds should be allocated to cover dues, travel and incidental expenses.

Golf Course Superintendents must stay abreast of constant changes or the club—and the game of golf will suffer. Clubs that do not do this are in effect "free loaders". Superintendents unfortunate to be in this situation must rely upon their friends to keep them informed. Second hand information can be dangerous.

Club officials owe it to themselves and their clubs to recognize this problem if it exists at their club. The high standards of golf courses today are unquestionably due, in a large part, to the untiring efforts of these organizations.



ANSWER TO CAN YOU TOP THIS: Fertilizer burn caused by faulty spinner on a spreader.

APOLOGIES to the Georgia GSCA. The article entitled "Management" by Mr. Charles Sockwell (S. Florida Green, Vol. 3, No. 4) is from "The Georgia Turf-Grass News." Thanks to Dr. George Kozelnicky, editor, for bringing the oversights to our attention.

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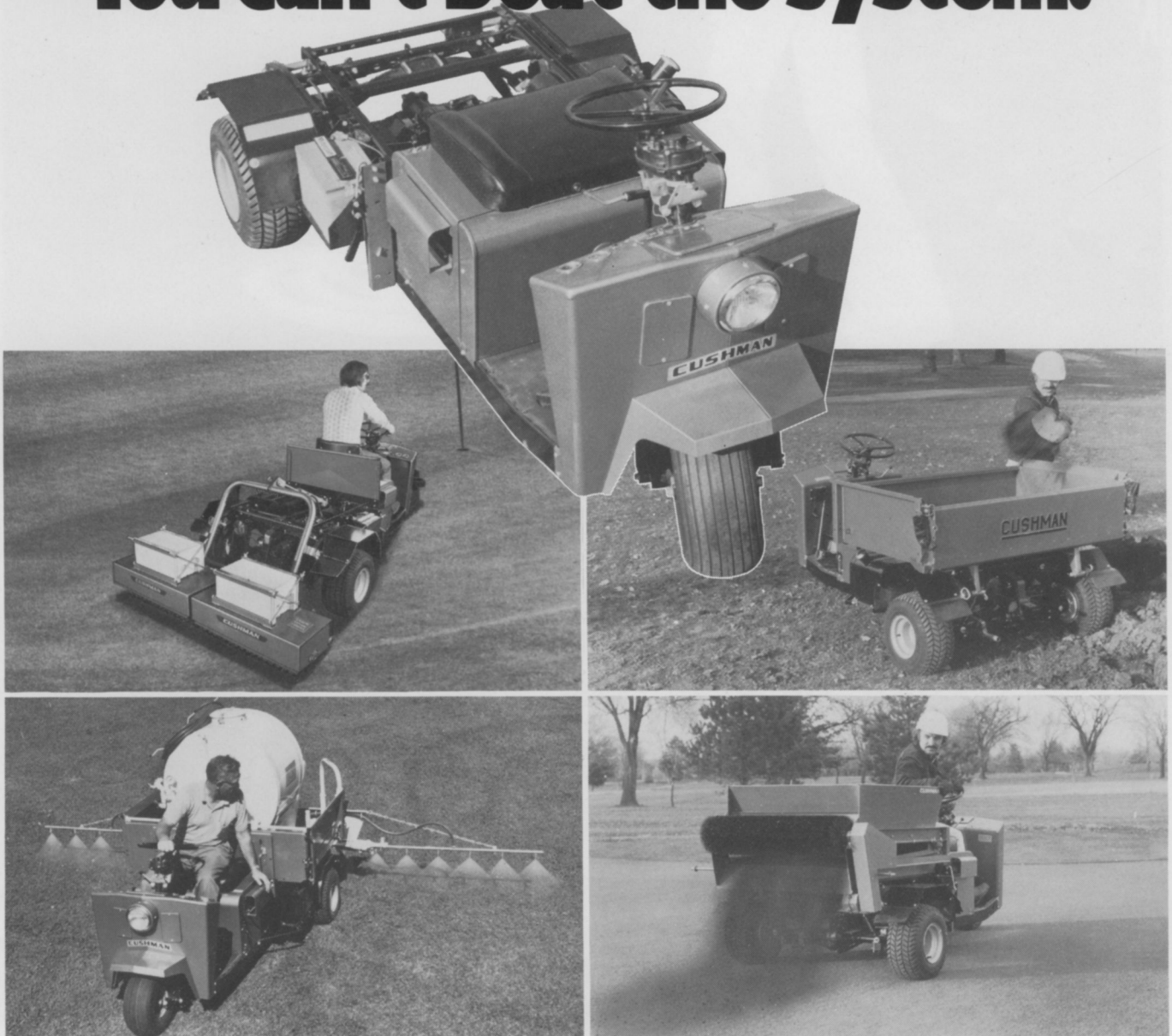
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