

July 1980



Property of  
JAMES B. BEARD  
Soil, Crop Sciences Dept.  
Texas A&M Univ.

# A PATCH of GREEN

*JB*  
BEARD  
COLLECTION

Official Publication of the  
Michigan & Border Cities Golf Course Superintendents Association



**MICHIGAN & BORDER  
CITIES GOLF COURSE  
SUPERINTENDENTS  
ASSOCIATION**

**PRESIDENT**

**JAMES TIMMERMAN, CGCS**  
ORCHARD LAKE COUNTRY CLUB  
7183 Buckthorn  
Orchard Lake, Michigan 48033  
Off. 360-0238, Res. 682-7234

**VICE PRESIDENT**

**ROBERT HOPE, CGCS**  
THE LOCKMOOR CLUB  
20740 Marter Road  
Grosse Pointe Woods, Michigan 48236  
Off. 881-8112, Res. 884-8684

**SECRETARY-TREASURER**

**BRUCE WOLFROM, CGCS**  
BARTON HILLS COUNTRY CLUB  
435 Stein Road  
Ann Arbor, Michigan 48103  
Off. 662-8359, Res. 663-9213

**BOARD OF DIRECTORS**

**KEVIN DUSHANE**  
WABEEK COUNTRY CLUB  
159 Willards Way  
Union Lake, Michigan 48085  
Off. 851-1689, Res. 698-2924

**MICHAEL EDGERTON**  
MEADOWBROOK COUNTRY CLUB  
3066 Sesame  
Howell, Michigan 48843  
Off. 349-3608, Res. 517-546-5927

**CHARLES GAIGE**  
LAKELANDS GOLF & COUNTRY CLUB  
7390 Rickett  
Brighton, Michigan 48116  
Off. 231-3003, Res. 227-4617

**ED HEINEMAN**  
WATERS EDGE COUNTRY CLUB  
10531 Bellevue  
Grosse Ile, Michigan 48138  
Off. 675-0927, Res. 676-3095

**FRITZ MC MULLEN, CGCS**  
FOREST LAKE COUNTRY CLUB  
3912 Fieldview  
Orchard Lake, Michigan 48033  
Off. 385-1410, Res. 363-8030

**CHRIS MYERS**  
BLOOMFIELD HILLS COUNTRY CLUB  
2831 Saturn Drive  
Lake Orion, Michigan 48035  
Off. 642-0707, Res. 391-2074

**PRESIDENT EMERITUS**

**CLEM WOLFROM**  
DETROIT GOLF CLUB  
530 Kendry  
Bloomfield Hills, Michigan 48013  
Off. 345-4589, Res. 334-0140

**"A PATCH OF GREEN"**

*Published monthly by the*  
**MICHIGAN AND BORDER CITIES GOLF  
COURSE SUPERINTENDENTS ASSOCIATION**

Circulation: 1,250

**Ted Woehrlie, CGCS, Oakland Hills C.C.**  
**James Timmerman, Orchard Lakes C.C.**  
**CO-EDITORS**

*Printed At*

**BLAKEMAN PRINTING COMPANY**  
31823 Utica Road  
Fraser, Michigan 48026  
Phone: (313) 293-3540

**MONTHLY ADVERTISING RATES**

Double Page Spread.....	\$150.00
Back Outside Page.....	75.00
Full Page.....	65.00
Half Page.....	40.00
Quarter Page.....	30.00
Eighth Page.....	15.00
Sixteenth Page.....	10.00
Classified Ad (per column inch).....	7.50

**DISCOUNT RATE: One Year 10%**

Note: Advertising fees may not be deducted  
from the above rates.

***This Month's  
Advertisers...***

**A.C.I.S. Company**  
**Benham Chemicals**  
**Century Rain Aid**  
**FDS Enterprises**  
**Golf Car Distributors**  
**Lakeshore Equipment Corporation**  
**Lawn Equipment Corporation**  
**Lebanon/Agrico**  
**W. F. Miller Garden & Equipment**  
**Oxford Peat Company**  
**O.M. Scott & Son, Inc.**  
**Wm. F. Sell & Son, Inc.**  
**Sprinkler Irrigation Supply**  
**Terminal Sales Corporation**  
**Tire Wholesalers, Inc.**  
**Turfgrass, Inc.**  
**Turf Supplies, Inc.**  
**USS Agri-Chemicals**  
**Charlie Wells & Company**  
**Wilkie Turf Equipment Corporation**

# TURF TRUCKSTER SYSTEM.

Because the flexibility of the Cushman Turf-Care System saves you time and money. Here's how!

The System is built around the rugged, versatile 18 hp Turf-Truckster, 3-or 4-wheel model. With this one power source and options, you can haul, spray, spike, spread and top dress. And

save as much as 35% on equipment in the process.

Because, instead of buying separately powered units for each job, you buy only the Turf-Truckster and the modular Cushman accessories you need. So you pay less in total for equipment...and have only one power unit to maintain.



**CUSHMAN**  
TURF-CARE  
EQUIPMENT

DMC-Lincoln, a Division of  
Outboard Marine Corporation  
6201 Cushman Drive  
P.O. Box 82409  
Lincoln, Nebraska 68501

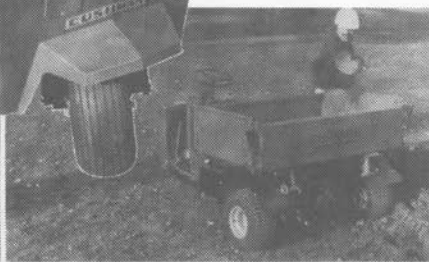
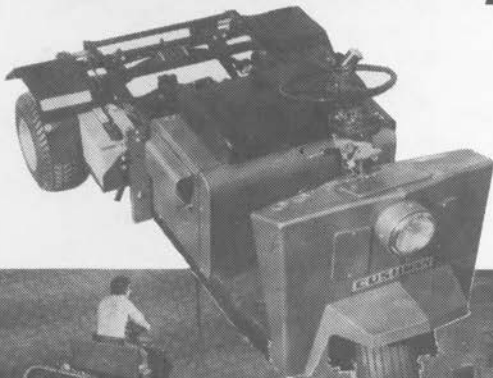
But that's not all.

The System is also a time saver that can cut your labor costs. Accessories mount on the back of the Turf-Truckster. Your men do their work quickly, efficiently...and then move on to the next job at speeds up to 22 mph. There's less wasted traveling time, so you get more work out of each hour of labor cost.

The Cushman Turf-Care System. Versatility, superior performance, economy. It's a tough system to beat.

Write today for your free Cushman Turf Care Catalog.

## You can't beat the system.



**CALL NOW**  
For a demonstration  
and price quotation.  
(313) 338-0425



**CUSHMAN**  
TURF-CARE  
EQUIPMENT

## GOLF CAR DISTRIBUTORS

1980 W. Wide Track Drive (U.S. 10)  
Pontiac, Michigan 48058  
Phone: (313) 338-0425

# A Greenskeeper's History

"HOLE NOTES" - May, 1980 - Minnesota GCSA

The following is an article written by Charles Erickson in February 1932 as part of a short course Turf Conference at the University of Minnesota.

I listened with pleasure to Emil Picha's talk on the care and upkeep of greens and golf courses during this present day.

Nearly all of us know, especially we older men, that there is always something new to learn, something which we are not familiar with.

To bring out this point I am going to give you an idea of how we boys did things in olden days, that is thirty years ago or better, when I was first greenkeeper. There wasn't very much at that time.

We never tried to remodel our greens as there was nothing to laying out a golf course or do much changing except in cases where there was a lot of timber. On the prairies it came in very handy and that is what we started out with at our good old Minikahda Club. After the greens and the course were made we just cut out the greens with a common lawn mower and then rolled them. We didn't even know enough to top dress them. If they were a little low in places we raised the sod and filled in that way.

If there was grass that wasn't quite so good we went out on the course, took a hand sod cutter and

picked up the best we could see and replaced it on our greens. Then we had to roll them. That is the lesson I heard every day, "Charlie, have you rolled the greens?" I made a roller out of cement, it weighed 900 pounds, but the committee told me it wasn't heavy enough. We finally got a heavy fairway roller, which I still use, and that weighs 2800 pounds. I had four men and we had to pull that on the greens. Not so easy, believe me. We had to push and pull. There were a couple of greens that were very sloping so I took a team of horses and a long rope and they gave us a lift, pulling it on the sloping greens and we pulled it back by hand power.

We never thought of top dressing or fertilizing. When the grass was worn out, due to so much rolling, we had to replace it again. This lasted for a little while, but I found out that something else had to be done. I went out in the woods and got some wonderful dirt and started to top dress, which helped me considerably.

Our water pressure was very low because the piping was in when I came out there and it was only 3/4" piping for 400 yards, so you can readily see what I was up against. We couldn't even get the sprinkler to turn around. We had to water mostly by hand which

*Continued on Page 17*

***No synthetically produced fertilizer can compare with  
MILORGANITE***

Golf Courses Use More

**MILORGANITE**

*Than Any Other Fertilizer*



**TERMINAL SALES CORP.**

12871 EATON AVE.  
DETROIT, MICH. 48227  
(313) 491-0606

# ✓ All About Sprayers

A sprayer for application of chemicals is one of the most essential machines for golf course maintenance. Many courses have two or three sprayers, using one exclusively for herbicides and another for fungicides. This means, each sprayer is supplied with the proper nozzles and calibrated to apply the correct amounts of spray mixtures. If it is not economically feasible to own two or three machines, then one good commercial type sprayer should be obtained and be adaptable for both hi and low pressures.

Chemical weed control requires exact amounts of chemical, uniformly applied. At first, it may seem complicated to apply a specific amount of chemical per 1000 sq. ft. However, it is quite simple if taken a step at a time. The components of a sprayer and their functions should be thoroughly understood, as well as the variables, which must be controlled to give an accurate spray application.

First, the sprayer. The tanks should be corrosion resistant, have a large filler opening for cleaning and have jet or mechanical agitator. The pump can be low pressure - roller, gear, rubber impeller, centrifugal or turbine - with a capacity in gallons per minute at least 50 percent greater than the nozzle and jet agitator requirement (if a jet agitator is used). This allows

for pump and nozzle wear. The ideal machine would have a multiple piston pump with a mechanical agitator. A piston pump machine can be used for hi-pressure machinery cleaning, tall tree spraying or fire fighting and is easily repaired when worn. A sprayer should have an accurate gauge, preferably brass, glycerin filled with not over 100 p.s.i. calibration for accuracy around 30 to 60 lbs. - the low pressure spraying range. If the machine is also a hi-pressure unit, the low pressure gauge can be replaced with a hi-pressure gauge or a valve installed below the gauge to shut it off for hi-pressure spraying.

The pressure regulator should have sufficient capacity so that low pressure can be obtained and be sensitive so it controls the pressure accurately. A dual low and hi-pressure system can be installed on a hi-pressure sprayer, allowing the low pressure regulator and gauge to be used for boom spraying. When the boom is shut off, the hi-pressure system with its regulator and gauge can be used for hand spray gun work. With a dual system, the hi-pressure regulator should be made so it can be triggered to relieve the hi-pressure for low pressure work.

Nozzles must be chosen for size,

*Continued on Page 16*

## "PREMIUM PRODUCTS - Economically Priced"

We Distribute:

**Fertilizers  
Chemicals  
Lime & Gypsum  
Trees & Shrubs**

**Seeds  
Accessories  
Paving Blocks  
Equipment**



### **FDS ENTERPRISES**

5324 W. BLOOMFIELD LAKE • W. BLOOMFIELD, MI. 48033  
PHONE: (313) 851-7766

A good alternative for replacement of Turf Maintenance Equipment is to rebuild it. Rebuilding by our program means complete restoration. We will make it like new.

COST? About one half (1/2) the price of new.

Consider this alternative, then let us show and tell you what we can do for you. Arrange a meeting with us by phone Monday through Friday - 9:00 a.m. to 5:00 p.m.

**OUR REPAIR FACILITY IS LOCATED AT:**

**50669 WEST HURON RIVER DRIVE**

**BELLEVILLE, MI 48111**

**PHONE: (313) 482-4210**

**Tell us what you need - If we don't have it, we'll get it!**

**Sincerely,**

**CHARLIE WELLS & COMPANY**

**ARE YOU INTERESTED IN JOINING THE  
MICHIGAN AND BORDER CITIES  
GOLF COURSE SUPERINTENDENTS  
ASSOCIATION?**

**FILL IN THE QUESTIONNAIRE BELOW AND MAIL TO:**



**CHARLES GAIGE  
LAKELANDS GOLF & COUNTRY CLUB  
7390 Rickett  
Brighton, MI 48116  
Office 231-3003, Residence 227-4617**



**DATE** \_\_\_\_\_

**NAME** \_\_\_\_\_

**ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**OR YOU MAY CONTACT THE NEXT GOLF COURSE SUPPLIER WHO CALL ON  
YOU AND GIVE HIM THE INFORMATION NEEDED FOR APPLICATION.**



## SCHEDULING FOR SUCCESS

Most of us accomplish more and work more efficiently when we are under some kind of pressure. We need to be pushed to produce our best work. As a supervisor, one of your major jobs is to keep every one of your employees busy and productive. You have to offset the natural tendency of people to slack off when they are not faced with the pressure of a deadline.

This is a situation where Parkinson's Law, which states that "Work expands to fill the time available," comes into play. If you tell one of your employees that a piece of equipment needs to be fixed or a specific maintenance task should be done, he will plan his time so that the task gets done when it fits into his schedule, which is not the same as your schedule or that of your club.

However, if you tell him that the task must be completed by tomorrow morning and the two of you agree that it can be finished by then, he will probably break his neck to get it done on time.

Effective scheduling of employee tasks can make the difference between a department that runs like clockwork and one that always seems to be in a crisis. Schedules and deadlines give urgency to activities that, without pressure, might pile up until a time when everything must be done at once.

If you are after consistently good results from your employees, you have to be willing to devote the necessary amount of time to setting priorities and planning schedules. The more important it is that you take the time to plan your employees' work effectively.

First of all, you must set your priorities. You are the manager. You know what tasks must be accomplished and how important each one is. You know the reasons for each task and the reasons for each task and the way they all fit together. This is your responsibility, and the people over you care more about the completion of the tasks than the way in which you accomplish them.

To ensure that the work gets done on time, set a deadline. It is often helpful to work out a mutually acceptable deadline with the employee who will be doing the work, but you must make sure that there is a deadline and that those responsible know what it is. Put it in writing, if necessary, and enforce it.

Many supervisors and managers find it helpful to draw up a time-table. It doesn't have to be fancy, but it should include all the important tasks which must be completed within a given time period, the deadline for their completion and the name of the

*Continued on Page 16*

**Scotts**  
**ProTurf**

## Helping the superintendent through turf research...

- Controlled Release Fertilizers
- Fertilizer/Pesticide Combinations

- Fungicides—Herbicides—Insecticides
- Soil Testing—Weed & Disease Identification

**SCOTTS • LELY • GANDY SPREADERS**

Finest quality turfgrass seed—Fairways • Greens • Tees • Roughs  
Scotts Windsor and Victa blends

**Jim Brocklehurst**

Technical Representative  
1964 Catalpa  
Berkley, Michigan 48072  
Telephone: 313-547-9632



# Chix

CHIX® "Tee" Towels for  
Ball Wash Stands and  
"Pro" Shop Sales



SOUTH LYON, MICHIGAN 48178  
Phone: Area 313 437-1427

## INVISIBLE GRASS PAVING



Eliminates turfgrass wear and soil compaction

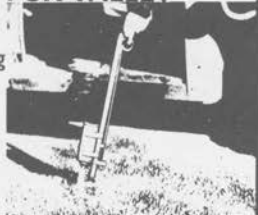
Paving that can be mown without damage to equipment

One-time installation for years of maintenance-free service



### FOX VALLEY

You'll do a better job of marking  
with the  
"EASY MARKER"



## Vertagreen

### A product for all reasons



- Uniform particles spread evenly.
- Half the nitrogen is Urea-Formaldehyde.
- Uniform balance of secondary and micro-nutrients.
- All potash derived from sulfate of potash.
- Regular or polyethylene packaging.



## Agri-Chemicals

Division of United States Steel  
P.O. Box 1685  
Atlanta, Georgia 30301



## AQUATIC WEED CONTROL

by Dr. Robert Wingard

The goal of aquatic weed control is to balance the number and types of plants with the uses of a particular body of water. There are two major types of aquatic plants; algae, which includes plankton, filamentous types, and stonewort, which occurs mainly in limestone springs; and flowering plants, which are either submergent, emergent, or floaters.

Aquatic weed control can be divided into 3 types of control; cultural, mechanical, and chemical. Cultural methods of control include building ponds and lakes with steeply sloping sides to eliminate rooting sites, fluctuation of water levels, and reduction of fertilization of the water. Also, the use of some species fish and snails have aided weed control. Note, however, that the White Amur, which has been successful in some areas of the country, is illegal in most states.

Mechanical control of aquatic weeds can be of help in some instances. Mowing pond and lake edges, and raking of filamentous algae are operations that can help your control program. Also, as a desperation move, you can pull weeds from the shallow areas.

Chemical controls must be applied with precision. In addition to your applicator's license, you will need a special permit to apply most aquatic herbicides. Several precautions should be taken when applying these materials. By eliminating the plant population, an oxygen deficiency can

occur, harming the fish population. Copper is toxic to trout. Treat from shallow to deep water, so fish can escape material. Water temperature must be 60 degrees plus for effective treatment. When the entire surface of a body of water must be treated, treat 1/3 weekly instead of entire pond at once. If area is a source of irrigation will have to be delayed for a time depending on the material. Finally, as with any pesticide, be sure to READ THE LABEL!

---

First GCSAA/LPGA Citation of  
Performance Goes to  
Dick Craig of Jack Nicklaus  
Sports Center

Dick Craig, Golf Course Superintendent of the Jack Nicklaus Sports Center, King's Island, Ohio, from 1971 until being named General Manager of the facility earlier this year, is the first recipient of the combined Golf Course Superintendents Association of America/Ladies Professional Golf Association Citation of Performance. Announcement of the award was made by GCSAA President, Mel Lucas, Jr., and LPGA Commissioner, Ray Volpe. The award will be formally presented to Craig at the ceremony at the conclusion of the LPGA Championship. The Jack Nicklaus Sports Center has been the site of the LPGA Championship since 1978.

Craig was chosen for his expertise and performance in his profession, his cooperation with the LPGA and for the preparation of the golf course for LPGA Championship competition.



**NEW!**

Replacement Commercial Seating with the all new  
"MULTI-MOUNT" mounting system.

Adaptable to 90% of all commercial equipment.

Send for brochure.



AGRICULTURAL CONSTRUCTION-INDUSTRIAL  
SEAT SALES COMPANY

A.C.I.S. 1227 FRANCIS STREET  
JACKSON, MI 42903  
(517) 787-3636

Dedoes Industries has obtained the manufacturing rights for a new product which has met with great acclaim wherever it has been demonstrated. It is the "TRAP SPRAY" used to kill any growth that normally accumulates in the sand around the edge of the traps.

Roy Briggs, Golf Course Superintendent at Kingsway Country Club, Port Charlotte, Florida, first conceived this idea and presented it to Dedoes Industries for its development. Briggs has always felt that well groomed traps and bunkers tell the story whether a golf course is in first class condition. He also realized the tremendous cost and work involved in removing growth that collects in a trap periodically. It is this unit that offered a solution to these problems. He has worked very closely with an expert in this endeavor.

The patent pending axle shaft is designed to dispense the solution through the end of the axle so that additional and various sized tips used are standard equipment. This gives the operator perfect control of the spraying unit.

The trap spray also has a patent pending cam guard shield to prevent the spray from coming in contact with any part of the grass that should be protected.

To avoid corrosion all parts of the unit which come in contact with the solutions used in the sprayer are made of brass or stainless steel.

Many uses other than just as a trap growth retardant have developed since it was first conceived. They are:

1. To mark border lines of hazards
2. To kill growth that spreads into cart paths, walks, etc.
3. Around trees, making a very definite circle, to kill the grass without harming the tree itself
4. It can be used with paint as a parking lot line maker without straddling the line after it has been painted.

Other golf course products now being manufactured by Dedoes Industries are:

Trap rakes for both Toro and Easy Rider, and Aerators for tees and greens and fairways.

Literature is available on all Dedoes golf course products by writing to:

*Dedoes Industries, Inc.*

1060 W. West Maple P.O. Box 575  
Walled Lake, Michigan 48088

## DEDOES TRAP SPRAY

An excellent trap growth retardant, Dedoes Trap Spray may be used: to mark border lines of hazards; to kill growth that spreads into cart paths, walks, etc.; around trees, making a very definite circle, to kill the grass without harming the tree itself; with paint as a parking lot line marker without straddling the line after it has been painted.



Designed for effective use, yet inexpensive.

Lightweight for ease in transporting and use in application utilizing 10 inch diameter wheels.

Control located on handle for easy and fast liquid shut off.

Unique cam shield which is adjustable and will keep spray in required areas.

All spray tips are interchangeable for different spray patterns.

All fittings are made of brass or stainless steel to prevent corrosion.



Available through:

*Dedoes Industries, Inc.*

1060 W. West Maple P.O. Box 575  
Walled Lake, Michigan 48088

## "IT'S MINE . . . NO IT'S MINE"

"Pat Crosby and Doug McAbee have one for Ripley's *Believe It Or Not*. Crosby and McAbee, playing in a twosome recently at Peach Valley Country Club, North Carolina, approached the 11th tee, 165-yard par three hole with a blind shot to the green. Crosby stroked a nine iron to the downhill green, hidden by a crest in the fairway and McAbee used a wedge to the green.

When the two golfers reached the green, one ball was a foot from the hole, and the other - that's right - was nestled in the cup. Two very nice shots. But wait a moment.

Both Crosby and McAbee were using the same brand of ball with the same number. They had failed to mark either for identification. So, who scored the ace?

Actually, in accordance with the Rules of Golf, each player would be accorded a two stroke penalty if a wrong ball was played which would give one player a three and the other

a four.

But in this case, neither knew whose ball was whose. And they're still wondering who had the ace."

Carolina Golfer, 1974

## TURF COLLECTION NEEDS NEWSLETTERS

The Michigan State University Science Library in East Lansing houses the O.J. Noer Turf Grass Collection, including newsletters and other turf publications. Unfortunately, librarian Carol D. Jones says that keeping track of the addresses of chapter newsletter editors and obtaining copies of their newsletters has become "a sticky problem."

To reserve your place in turf grass history, be sure to include the O.J. Noer Collection in your mailing list. The address is:

Carol D. Jones  
Librarian II  
Science Library  
Michigan State University  
East Lansing, Michigan 48824

# BENHAM 'CHEMICALS'

For SUMMER DISEASE & INSECT  
CONTROLS

3190 Martin Rd  
Walled Lake, MI 48088

Representing:

MALLINCKRODT

DIAMOND SHAMROCK

RHONE POULENC

PBI / GORDON

W. A. CLEARY

ELANCO

DUPONT

AQUATROLS

OFFICE 624 - 3200 WHSE 834-3010

# TORO

## SAND PRO

It's proved it's a "pro" in the traps. There's never been a machine quite like it. It rakes and conditions sand to give the whole course a dressy new look. Now it spikes greens; takes over fine grading, scarifying, shaping and contouring of seedbeds; edges around traps; incor-top dressing; breaks up aerifier cores.



Altogether, the Sand Pro's as useful a machine as you can have around — and it's backed up by TORO people, by TORO parts and service and by our new one year warranty.

# TORO

— DISTRIBUTED BY —

**WILKIE TURF**  
Equipment Company

1050 OPDYKE ROAD PONTIAC, MICH. 48057  
(313) 373-8800



# CUT THE DIRT!



- For B-Series Kubota diesel tractors.
- 3-point lift arm spacing of 20 inches.
- Tandem gangs adjustable to 5, 10, 15 degrees.

AS LOW AS **\$285**

A FULL LINE OF  
MID-RANGE DIESEL  
TRACTORS AND IMPLEMENTS

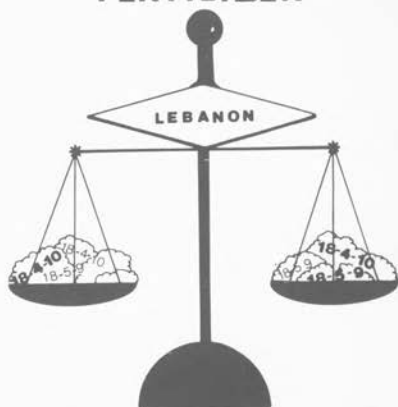


TEST DRIVE A KUBOTA DIESEL TRACTOR NOW AT:

**WM. F. SELL & SON, INC.**

16555 TELEGRAPH ROAD  
TAYLOR, MICHIGAN 48180  
313/282-5100

## COUNTRY CLUB THE BALANCED FERTILIZER



**.....a valuable asset....  
in growing good turf**

FOR MORE INFORMATION CALL  
LEBANON CHEMICAL CORP.  
P.O. Box 547 Danville, IL 61832

## TURF MANAGER'S HANDBOOK

Turf Managers' Handbook is now available from the Business Publications Division of Harvest Publishing Company, Cleveland Ohio. Written for superintendents, contractors and lawn care managers, The Turf Managers' Handbook is intended as an on-the-job reference. It was designed and written by two leasing turf specialists from Purdue University, Dr. William Daniel and Dr. Ray Freeborg.

The 424-page book is available in hardback or softback and contains 150 illustrations and 96 color photographs. Data included 240 tables and forms. Useful information on specifications for rootzones, employment, chemical application, and business and technical aspects is also included in this handbook.

Copies are available from the Books Department, Business Publications Division, Harvest Publishing Company, 9800 Detroit Avenue, Cleveland, Ohio 44102. Cost is \$18.95 for the hardback edition or \$14.95 for the softback edition. A shipping charge of \$1.25 per book must be added.

---

MICHIGAN STATE UNIVERSITY'S  
NORTHERN MICHIGAN TURFGRASS  
FIELD DAY -

TUESDAY, SEPTEMBER 9, 1980  
TRAVERSE CITY GOLF AND  
COUNTRY CLUB, TRAVERSE CITY,  
MICHIGAN

---

### GREEN INDUSTRY SEMINAR AND TRADE SHOW

Date: October 21 - Turf Program  
October 22 - Ornamental Program  
Location: Michigan State Fair Grounds

For Further Information:  
Mr. Gregory Patcham  
Michigan State University  
Cooperative Extension Service  
North Office Building  
1200 N. Telegraph  
Pontiac, Michigan 48053  
Phone: (313) 858-0887

---



## ONE SET OF FOOTPRINTS

One night I had a dream, I dreamed that I was walking along the beach with the Lord, and across the sky flashed scenes from my life. In each scene, I noticed two sets of footprints on the sand; one belonged to me - the other to the Lord. When the last scene of my life flashed before us, I looked back at the footprints on the sand. It was then I noticed that many times along the path of life, there was only one set of footprints. I also noticed that this happened at the very lowest and saddest times of my life. I was most distressed and bewildered. I questioned the Lord about it.

"Lord, you said that once I decided to follow you, you would walk with me all the way; but I noticed that during the most troublesome times in my life there is only one set of footprints. I don't understand why in times when I needed you most, you would leave me." The Lord replied, "My precious, precious child, I do love you and would never leave you during your times of trials and suffering. When you see only one set of footprints, it was then that I carried you."

Thanks Paul V,  
Author Unknown

## SEVENTEEN REQUIREMENTS OF BEING THE WIFE OF A GOLF COURSE SUPERINTENDENT

1. The religious guidance of Mother Seton.
2. The culinary abilities of Julia Child.
3. The scientific expertise of Madame Curie.
4. The talents of Barbara Streisand.
5. The psychology of Joyce Brothers.
6. The athletic abilities of Althea Gibson.
7. The good spirits of Mary Tyler Moore.
8. The fashion and cosmetic awareness of Polly Bergen.
9. The wit of Erma Bombeck.
10. The sex appeal of Farrah Fawcett Majors.
11. The nursing attributes of Florence Nightingale.
12. The eternal youth of Debbie Boone.
13. The understanding of Ann Landers.
14. The guts of Barbara Walters.
15. The social expertise of Perle Mesta.
16. The physical stamina of "The Bonic Woman."
17. And last, but not least, the awareness, intellect and vigor of Price Waterhouse, Inc., and Merrill Lynch, Pierce, Fenner and Smith!

Credit Hudson  
Valley Foreground

## GOLF COURSE IRRIGATION SPOKEN HERE!

*We talk your language:*

- Specialized trouble-shooting equipment.
- Technical information.
- Pumping systems experts.
- All your needs!

Talk to us.

Master Distributor

**RAIN BIRD**

**Centuryrain aid**

31691 Dequindre  
Madison Heights, MI 48071  
**313/588-2990**

22159 Telegraph  
Southfield, MI 48034  
**313/358-2992**

If you have changed your address, please let us know so we can keep our addressing plates up to date.

**Present Address:**

NAME

ADDRESS

CITY

STATE

ZIP

**Fill In New Address:**

NAME

ADDRESS

CITY

STATE

ZIP

Mail this form to:

**A PATCH OF GREEN**

31823 Utica Road  
Fraser, Michigan 48026

**All About Sprayers, cont.**

from the nozzle chart, to give the gallonage rate desired at the recommended pressure and travel speed. Most nozzles are rated at 30 p.s.i. and 4 m.p.h. and 20" spacing. A 20" nozzle spacing is preferred over 10" spacing because it has a larger orifice, therefore, it is more difficult to clog. Also it is more accurate and produced larger droplets for herbicide work—larger droplets give better weed kill and are less affected by wind. The matching screen can have coarser mesh screen and nozzle. The deflector or flooding type nozzle, as it is called (a misnomer), is preferred because it has a cylindrical orifice, which retains its accuracy at least ten times the life of the original fan type nozzle. In addition to this, it continues to spray a broad fan throughout its useful life, where with the conventional fan nozzle, the spray pattern gets narrower and narrower as the discharge orifice wears, finally shooting a solid stream of much greater volume.

The deflector type has the added advantage of producing larger droplets, which produce better weed kill (by University test) and are less affected by wind.

The boom we prefer is a smooth, stainless tube of sufficient size - 3/4" I.D. or larger - so the end nozzles receive the same pressure as the one near the feed hose. It is also preferable if the nozzles come out of the side of the boom instead of the bottom, as this allows dirt particles and precipitated chemical, by passed by the main screen, to settle to the bottom of the boom rather than going right into the nozzle screen.

**Success, cont.**

person responsible for each task. If this timetable is distributed to the appropriate people or posted in a prominent place, then each of your employees can schedule his own time in order to work at peak efficiency.

GCSAA Fore Front

**TURF SUPPLIES INC.**

6900 Pardee Rd., Taylor, Michigan  
(313) 291-1200

DON'T EVEN THINK  
OF BUYING . . . . .

**GRASS SEED  
FERTILIZERS  
FUNGICIDES**

WITHOUT CALLING

**291-1200**

**TURF SUPPLIES INC.**

6900 Pardee Rd., Taylor, Michigan  
(313) 291-1200

### Greenskeepers History, cont.

took a long time and we had to haul water for two greens where we had no pipes.

The greens were as hard as a country road but one thing I must say is that I was never troubled with worm cast at that time, due to the fact that they were so hard.

I used common lawn mixture for grass seed in those days, that is blue grass and redtop, and then we had a mixture of crabgrass and dandelions besides that.

When I wanted the grass to thicken I always used a little clover because it was quick to germinate and filled in rapidly on the poor places. I certainly have to give the good old U.S.G.A. a lot of credit for the wonderful work they have done for us greenskeepers. They are really the ones who put light on the golf courses today and we have to admit it.

I also want to say something about our fairway. I had four men and four mowers, one man and a horse to each mower. Probably some of you older men will remember that. It took me a whole week to go over and cut my course. It was a slow, tiresome job. The men had to walk behind the mowers and when the greenkeeper wasn't around, they took their time. That is the way things were done years ago. We never saw a clean golf course. The old clippings were laying all over the course from the mowers. Lots of times we had to take the whole crew and clean up.

We had the same trouble in our long grass. Of course we cut this with a hay mower, then we had to go through the same performance, raking and piling it up. The next day you could see the hay all over the country. The members got their golf balls in the hay and you could hear all kinds of language, and we couldn't blame them.

I want to give many thanks to the manufacturing companies who have helped us in so many ways with mowers, tractors and all equipment to serve every item that is needed for our golf courses. We can now satisfy our good club and it is a pleasure to have a well kept course. You enjoy it and

*Continued on Next Page*

### FOR SALE

RYAN GREENSAIRE 2

*Excellent Condition*

JOHN McDONALD

ROUTE 1 BOX 163

EAST JORDAN, MI 49727

(616) 536-7493



### Tire Wholesalers Company, Inc.

19240 West Eight Mile Southfield, Mich. 48075

(1/2 Mile West of Southfield Road)

Phone: (313) 354-5644

**MICHELIN**



**TRUCK-CAR  
TRAILER  
MOTORCYCLE  
INDUSTRIAL  
TIRES**

**jtW**



WHOLESALE PRICES TO COMMERCIAL ACCOUNTS

*"For Land's Sake 'Use Peat'"*



**OXFORD PEAT CO.**

1430 E. Drahn Rd.

Oxford, Michigan 48051

**PROCESSED PEAT**

**Bulk or Bag**

**Custom Blending**

**FRED LATTA**

313/628-5991

### LAKE SHORE

EQUIPMENT & SUPPLY CO.

HOME OF

**LESCO PRODUCTS**

And

**SULFUR COATED FERTILIZERS**

Distributor & Formulator

**GRASS SEED, FERTILIZERS**

**INSECTICIDES FUNGICIDES, HERBICIDES**

*Call Us Today*

**TOLL FREE**

**1-800-321-5325**

300 S. Abbe Rd. Elyria, Ohio 44035

Price Quotation On Request

(216) 323-7544

# Sisco ENGINEERED RAIN Turf Topics

## Precision Controllers With Unmatched Flexibility.

J-M Buckner is first in the industry to offer you solid-state microelectronics in an irrigation controller. Our KCS line of controllers are as easy to operate as pocket calculators. KCS offers unmatched flexibility with 12 or 24 individual circuits and four 14-day schedules ... all with timing accuracy down to a fraction of a second. The KCS totals daily watering time, allows skipping up to nine days, has both automatic and manual syringe cycles for services such as dew removal and many more unique features. Operation is simple, fast and accurate.



NOW is the time to consider converting existing quick coupling valves or manual systems to automatic -- with J-M/Buckner, solid state KCS automatic equipment and new automatic valves and sprinkler heads.

You may do it yourself -- or check with Jim Vince on design and installation.

*Write or call direct*

**Sisco**  
ENGINEERED RAIN

Sprinkler Irrigation Supply Co. A division of A.J. Miller Inc.  
1316 No. Campbell Rd. Royal Oak, Mi. 48067 Phone (313) 398-2233  
Chicago Sales Office/Warehouse  
1115 Republic Drive, Addison, IL 60101 (313) 543-5330

## Greenskeepers's History, cont.

they are proud of you by so doing.

I have a word - it is very small - but it is big to me and that is "Love." If you love your club and your chairman I will guarantee you are going to save your good club quite a sum through the season.

I heard one of our good greenskeepers say in New York, "Be on the job". That's worth bearing in mind. It means a lot to you and to your club. Don't put the entire burden on your chairman - take a little responsibility on your own shoulders - satisfy your club and you will be satisfying yourself.

We greenskeepers have to study our problems all the time. We have to know a little of everything. We have to be blacksmiths, tinners, carpenters, bricklayers, stone masons, etc. We have to be able to take care of all these little details that come our way.

We also have to keep on the look out for brown patch, scold worms, ants, in fact all disease of the grasses. In other words, we are doctors of the green.

But all in all, it's fun being a greenskeeper. I have been at it thirty years - but then I have heard people say the first hundred are the hardest, so I still have a long row to hoe.

## NECROLOGY

Frank E. Kenney Jr., vice president and counsel of the Golf Association of Michigan and trustee of the Evans Scholars Foundation, died in a suburban Detroit hospital after a short illness. Kenney, 52, followed his late father, Frank E. Kenney, in service to the GAM. The senior Kenney was president of the Detroit District Golf Association, predecessor of the GAM. While Kenney was a strong board member of the GAM, his first love was the driving force behind the Michigan program which has chapters at the University of Michigan. Kenney's alma mater, and Michigan State University. He is survived by his wife, Beverly, and sons Frank E. III and Frederic. The family asked donations be made to the Evans Scholars program.

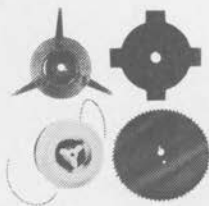
Jack Berry

# THE FS-80.

**STIHL'S®  
LIGHTWEIGHT  
ANSWER TO  
HEAVY-DUTY  
TRIMMING.**



The new Stihl FS-80 portable trimmer is the first heavy-duty gasoline powered trimmer with a lightweight price. So now you can trim away unwanted grass, weeds, undergrowth and excess hedge easily (and even edge lawns) quickly and inexpensively. Buy one now and get our exclusive Polycut head with two extra sets of thermoplastic blades plus a reversible metal brush blade for tougher trimming jobs. Optional equipment includes Leeco® nylon line head and a heavy-duty saw-toothed steel blade for special trimming jobs.



## **STIHL®**

**The world's largest selling chain saw.**



**LAWN EQUIPMENT CORPORATION**

46845 W. 12 MILE ROAD NOVI, MICH. 48050

P.O. BOX 500 (313) 348-8110

# Jacobsen Turfcut.

"I could sure use a  
rugged mid-sized rotary  
that really maneuvers."



Call Now For A Demonstration  
And Price Quotation

**W.F. Miller** Garden & Lawn  
Equipment Company

1593 S. WOODWARD AVE. BIRMINGHAM, MICHIGAN 48011

TELEPHONE: (313) 647-7700

"A Patch of Green"

31823 UTICA ROAD  
FRASER, MICHIGAN 48026



DEPT, SOIL & CROP SCIENCES  
TEXAS A & M UNIVERSITY  
COLLEGE STATION, TEXAS 77840  
ATTN: DR. JAMRS BEARD

**JB**  
BEARD  
COLLECTION