

## TREES, DOLLARS, AND GOLF

(By Taylor Boyd)

Trees and shrubs on a golf course are beautiful and necessary. They can make an otherwise mediocre course a thing of beauty and most interesting to play. They can make an enforced wait at a tee during a hot day very pleasant because of their shade. These conditions don't always exist, though.

Trees, when improperly planted, can make a course nightmarish to play and can prevent the proper growth of grass. This last item is our present interest plus cost or rather increased costs caused by improper planting and location of trees.

There can certainly be no question that too many trees too close to a green can make conditions such that it is next to impossible to have a good green. Nearly every course in town has such conditions.

I have been very much interested in recent years to watch the performance of greens that a few years ago caused no trouble and today they are very troublesome because trees were planted too near a green on the wind side and over the years have grown up to stop all air drainage across the green surface. This causes the grass to remain wet during the hot humid days when what you want most is for the green surface to dry.

The best tee grass in Cincinnati now is Bermuda in some form or Zoysia, both of which will not grow in shade—even slight shade. We have tees at Camargo that are very good warm season grass except where a tree shades a portion of the tee. In that area the grass is poa annua or in some instances, weeds. Unsightly to say the least.

Cost of golf maintenance has risen in the recent years to a point of actual painfulness to the club and about every conceivable method has been tried or discussed to cut costs, but I have heard no talk of tree removal.

Golf maintenance today is high-speed mowing with wide sets of mowers. This being true, when areas are so planted that any area can't be mowed with a tractor and gang mowers, you will be spending ten times as much money to mow a given area by hand.

We have an area that took six to seven minutes to mow with a tractor and gang mower. It is improperly planted in shrubs and it now takes a man two hours to cut the same area. With thirty-two cuttings per year the hand mowing cost sixty-four man hours as against three and two-thirds hours with the tractor and gang mowers, or \$84.00 more per year plus the care of the shrubs. The shrubs were necessary, but they could have been planted in such a manner that care would have been less costly.

The same thing is true of a maple tree we have that is planted between No. 1 tee and the practice green. There is only eighteen feet between the tee and green and with the tree between. There is the problem of root pruning around the entire base of the tree, sodding area in tee and green that go out due to excessive shade, sweeping up seed from the tree in proper season, raking leaves off tee and green once or twice per day, plus extra fertilizer and water to maintain area affected by the tree. The total cost of this one improperly planted tree for 1957 was over \$100. I'll bet that every club in town has a similar situation.

Merion Blue • Zoysia • Kentucky Blue • Bents

### DEARIE AND STRUD SOD NURSERY, INC.

Route 2 - Box 100 ELGIN, ILLINOIS  
SHerwood 2-5030

GERALD DEARIE  
LEhigh 7-4394

JULIAN STRUD  
TErrace 2-7513

## ROSEMAN

2620 CRAWFORD AVE. UNIVERSITY 4-1842  
EVANSTON, ILLINOIS

### TURF EQUIPMENT HEADQUARTERS

ROSEMAN GANG MOWERS

ROSEMAN TILLER RAKES

FORD TRACTORS

SOILAIRE PRODUCTS

JACOBSEN POWER MOWERS

WOODS LEAF MILLS

SOD MASTER SOD CUTTERS

ROTARY MOWERS

BACKHOES

TRENCHERS

SEEDERS

ROLLERS

CARLON PLASTIC PIPE

ROYER COMPOST SHREDDERS

SALES ● SERVICE ● PARTS ● RENTALS

### WE STOCK PARTS FOR

Worthington Gang Mowers — Jacobsen Mowers-PGM's  
Briggs & Stratton-Clinton-Koehler-Lauson Engines

SKINNER SPRINKLERS

HENRY BALL WASHERS

GREENS AIR SPECIAL

ONAN GENERATORS

MCCULLOCH CHAIN SAWS

CALL FIELDBROOK 9-3257-58

### ILLINOIS LAWN EQUIPMENT INC.

9919 W. 143rd PLACE  
ORLAND PARK, ILL.

### H. & E. Sod Nursery, Inc.

191st St. (Flossmoor Road) & Crawford Ave.  
P.O. Box 140, Tinley Park, Ill. - Phone: SY 8-2210

Merion & Kentucky Blue Grass Sod  
Toronto C-15 Bent Stolons & Sod at 1/4" height  
Meyer (Z 52) Zoysia

### FOR THE FINEST IN TURF MAINTENANCE SPECIALTIES

Manufacturers of Liquid Fertilizer Since 1939

"LIQUA-VITA" 15-10-5

15-3-8

12-4-12

The Original Liquid Plant Food for Turf  
Does a Fine Job — Costs Less

FUNGICIDES

HERBICIDES

INSECTICIDES

WETTING AGENTS

AMERICAN LIQUID FERTILIZER CO., INC.

and

ROKEBY CHEMICAL COMPANY

P.O. Box 267 - Marietta, Ohio - Phone: FR 3-1394

The comparative costs of man-hours on fairways and rough as against trees at Camargo are as follows:

Cut fairways .....	627 hrs.
Cut rough .....	1821 hrs.
Water fairways .....	143 hrs.
Fertilize fairway .....	96 hrs.
Roll fairways .....	4 hrs.
Aerofy fairways .....	387 hrs.
Total .....	3080 hrs.
Trees on course .....	1439 hrs.
Trees and shrubs around club-house .....	763 hrs.
Trees around pool and tennis .....	329 hrs.
Total .....	2531 hrs.

This gives a very good idea of what is spent to take care of trees as against the proper care of actual playing areas that is the total acreage of Camargo, which covers more acres than most clubs.

I suspect that the average club spends as much money on the trees as they do on rough and fairways and don't even know it.

This article will probably get me a good round of criticism from tree lovers. It should'nt. Trees are essential and necessary, but a landscape architect or inexperienced tree committee should not be turned loose to plant trees or shrubs without giving due consideration to air drainage, possible root damage to tees and greens, wind direction, to name a few things to be considered.

Before any tree is planted these things should be considered. Use trees that have an upright habit of growth. For an example, pin oaks are bad, red and white oaks are good. Oaks are good because their root habits are good also. Location is very important so that an airway is directed across a green or tee. Never plant trees on southwest side of a green. Never forget that a tree when planted that has a six-foot spread may become forty feet across and the roots seventy to ninety feet across. Trees can very well replace directional traps, but be sure the superintendent, pro, and some good golfers help in their locations if they are to be used as a hazard or for directional trees. Never plant trees on the course closer than twenty feet together, thirty to forty feet is better so that a tractor and five or seven gang of rough mowers can be maneuvered through them.

The best advice I know of is to stake out the location and eventual size and leave the area for one playing season to have golfers' reaction and to find the cost of maintaining the tree in the given area.

— LIFTED FROM THE GREEN BREEZE

The Picnic was held at the Sycamore Park District on Tuesday the 18th. It was a beautiful day for a picnic but not too good a day to be away from the golf course, it sure was hot and humid. About 35 families made the trip out to Emil Cassiers beautiful park and golf course where Emil had made arrangements for picnic tables, swimming, shuffle board and golf. The organization provided hot dogs, and ice cream and it was late before the last cars left the coolness of the pool and came home.

## C. E. STEWART

Civil Engineer

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



**Peat Moss**

**SAVES TIME!  
SAVES MONEY!**

**NOW AVAILABLE IN BULK TRUCKLOADS**  
Ready to Use — Finely Milled — Steam Sterilized  
— Mechanically Dried — 96% Organic — 2.5% Nitrogen — 6.3 pH.

Reasonably Priced — Prompt Delivery. Write, wire or phone CEntral 6-4246 for details.

MILLBURN PEAT CO., INC., 111 NO. WABASH AVE., CHICAGO, ILLINOIS

## PAUL E. BURDETT

**SEED — FERTILIZERS — GOLF COURSE SUPPLIES**

Lombard, Illinois

Phone MA yfair 7-0232

P.O. Box 241

International Fertilizers — Myers Sprayers  
Chipman's Chip Cal — DuPont Chemicals  
and other lines to serve you best



Also

Selected Commercial Grades of Plant Food

- WEEDICIDES
- FUNGICIDES
- INSECTICIDES
- INSTANT VIGORO

For Your Grass . . . Look To

**Swift & Co. Agricultural Chemical Div.**

B. J. "John" Benson

Home Phone  
Pilgrim 8-1764

Business Phone  
Waterfall 8-8122

**CLEARY  
PRODUCTS**  
*for*  
**BETTER  
TURF**

"PMAS" - Crabgrass & Disease Control

"CADDY" - Economical Liquid Cadmium Fungicide

"SPOTRETE" - 75% Thiuram Fungicide

"C-531" - The old reliable Cadmium, Zinc, Calcium Fungicide

"PM2,4-D" - The all around weed killer including Silvercrabgrass control.

"ALL-WET" - Added to water it allows quicker and deeper penetration... enables soil to retain needed moisture.

"THIMER" — A broad-spectrum wettable powder fungicide and crabgrass killer containing phenyl mercury and thiram.

"CAD-TRETE" a broad-spectrum wettable powder fungicide containing cadmium and thiram.

"SUPER METHAR" — the new "AMA" liquid crabgrass killer.

**DISODIUM METHYL ARSONATE**

**PRODUCTS FOR CRABGRASS CONTROL**

<b>METHAR 80</b>	<b>METHAR 30</b>	<b>METHAR 30</b>
Powder	Powder	Liquid
80% DSMA	50% DSMA	18.9% DSMA

American Research Associates Inc., - Subsidiary

**W. A. CLEARY CORPORATION**

NEW BRUNSWICK, N. J.