



YOUR TURF IS A MICROBE BATTLEGROUND!

With **ACTI-DIONE** you destroy the fungus responsible for Large Brown Patch, Fading-out, Melting-out, Dollar Spot and Pythium. You support microorganisms necessary to healthy soil in their battle against those which harbor disease.

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* GIVES MODERN
ANTIBIOTIC
PROTECTION

ACTI-DIONE Ferrated — Outstandingly effective against Dollar Spot, Melting-out and Fading-out. **ACTI-DIONE Ferrated** also controls Leaf Spot of Kentucky bluegrass, and Rust and Fading-out of Merion bluegrass.

ACTI-DIONE RZ** Especially effective against Large Brown Patch and Pythium . . . also controls Dollar Spot, Melting-out, Fading-out, Leaf Spot of Kentucky bluegrass and Rust and Fading-out of Merion bluegrass.

Studies indicate **ACTI-DIONE** products may control powdery mildew on all fine turf grasses. One package will protect 20,000 square feet when used according to preventive program. Available from golf course maintenance and supply stores.

Upjohn

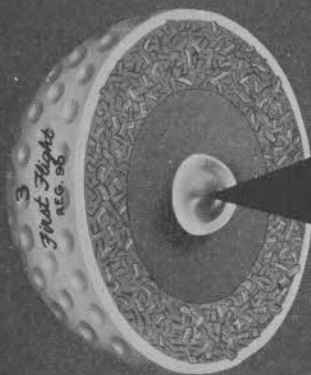
For additional information write to:
THE UPJOHN COMPANY, Chemical Sales Division
301 Henrietta St., Kalamazoo, Michigan

*TRADEMARK, REG. U. S. PAT. OFF., THE UPJOHN BRAND OF THE ANTIBIOTIC, CYCLOHEXIMIDE.

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GOLF BALLS LOADED WITH POWER

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FIRST FLIGHT Steel POWER CENTER Golf Balls, like the newest jet planes, get extra speed and stability by concentrating weight in the center.

The Steel Center is four times heavier, it is the first and only perfectly round center and cannot be knocked out of round. This stabilizes flight, reduces air resistance, increases accuracy and distance.

PROFESSIONAL GOLF CO. OF AMERICA, INC. CHATTANOOGA, TENNESSEE

Athletic Goods Census for 1957 Shows Golf Goods Big Leader

Athletic Goods Manufacturers' Assn., comprising makers of probably more than 90 per cent of athletic goods made in the U. S., has released its census report for 1957. Figures compiled by CPA firm of Ernst and Ernst show total sales of \$163,279,859 at factory selling prices including excise tax.

Golf equipment accounts for \$60,711,924 of the reported total. At retail prices, the golf goods would sell for around \$100,000,000.

At factory selling price, including excise tax, baseball and softball equipment in 1957 amounted to \$33,074,046 and athletic shoes were third in sales classification at \$22,073,466. Very few golf shoes were included in that section of the sporting goods sales.

Other classifications and sales: Inflated goods \$15,127,632; miscellaneous items, \$10,279,169; tennis, badminton and related equipment, \$8,359,231; athletic clothing \$7,450,235.

Breakdown on Golf Equipment

Figures on sales of golf equipment should be thoughtfully studied by pros. Total sales of golf balls were 3,046,808

doz., of which 1,814,953 sold at average of \$8.31 a doz.; 304,670 doz. in the second price group, and 927,185 doz. averaging \$4.36 per doz. at the factories.

Of the 3,599,123 irons reported as 1957 production there were 1,271,975 in the top price grade, averaging \$8.33 at factory prices including excise tax. There were 1,527,166 woods sold and of them 599,100 were in the top quality bracket, averaging \$11.71 at the factories.

Golf bag sales quantities were according to prices with the biggest sales being of the cheapest bags (310,959) at factory average of \$4.09). In the second grade, 283,753 bags were sold at an average of \$10.04. The next higher grade, ranging in factory price from \$15.01 to \$24 and averaging \$18.75, showed sales of 52,408. There were 33,339 top grade bags sold at an average of \$31.91.

Short on Teaching

College-trained pros are making a few shocking comments. One of them said at a recent PGA sectional meeting: "I know many professionals who know a great deal about golf but only a few who know much about the art of pedagogy. My little boy's first grade teacher has had much more education in teaching than I have had."

From tee to green
No finer golf cars sold

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The "DIPLOMAT"
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SUPER TUFFY**

Stands up to toughest
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to 54 holes on one
battery charge.

For sheer golfing enjoyment, we think you'll find our LECTRACAR "Diplomat" the most comfortable, finest styled golf car sold. It does everything well; plays up to 36 holes on one battery charge, rides beautifully up hills with 35% grade, starts and stops with effortless ease due to our famous T-foot control speed-brake pedal. Body of non-mar, non-rust plastic with chrome plated fittings.

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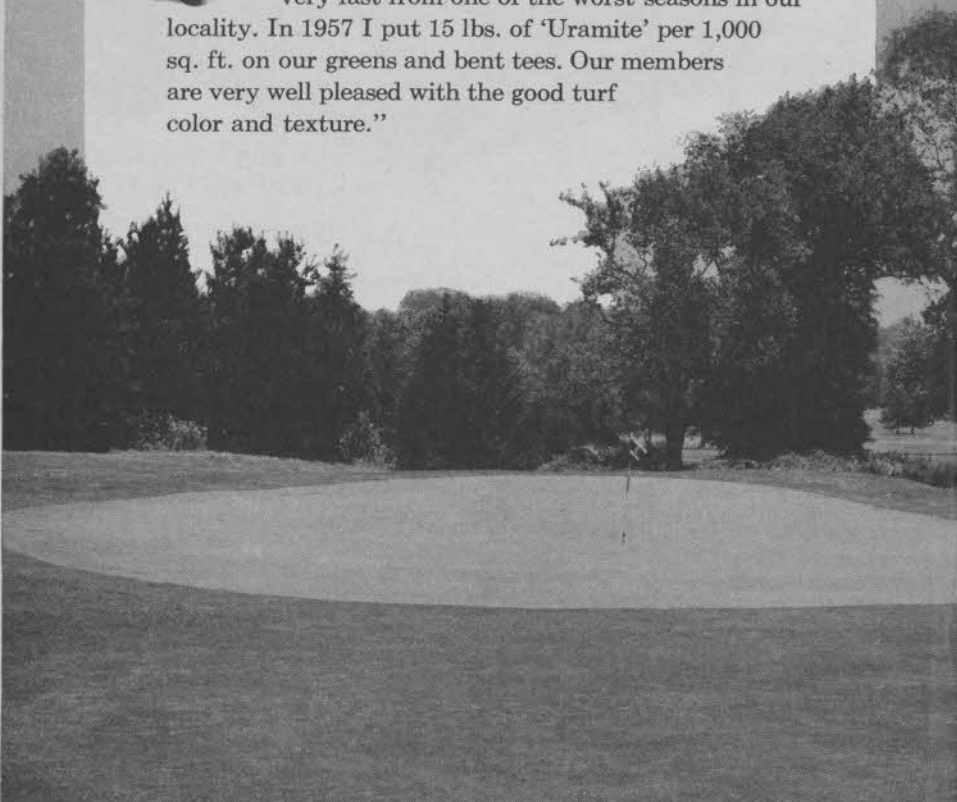
How leading superintendents

"... saved enough in labor and other costs so we could use the best fertilizer program,"



reports J. F. Hoover, Supt.,
Columbus Country Club, Columbus, Ohio

"In 1956 I applied 10 lbs. of 'Uramite' per 1,000 sq. ft. to our greens, and they recovered very fast from one of the worst seasons in our locality. In 1957 I put 15 lbs. of 'Uramite' per 1,000 sq. ft. on our greens and bent tees. Our members are very well pleased with the good turf color and texture."



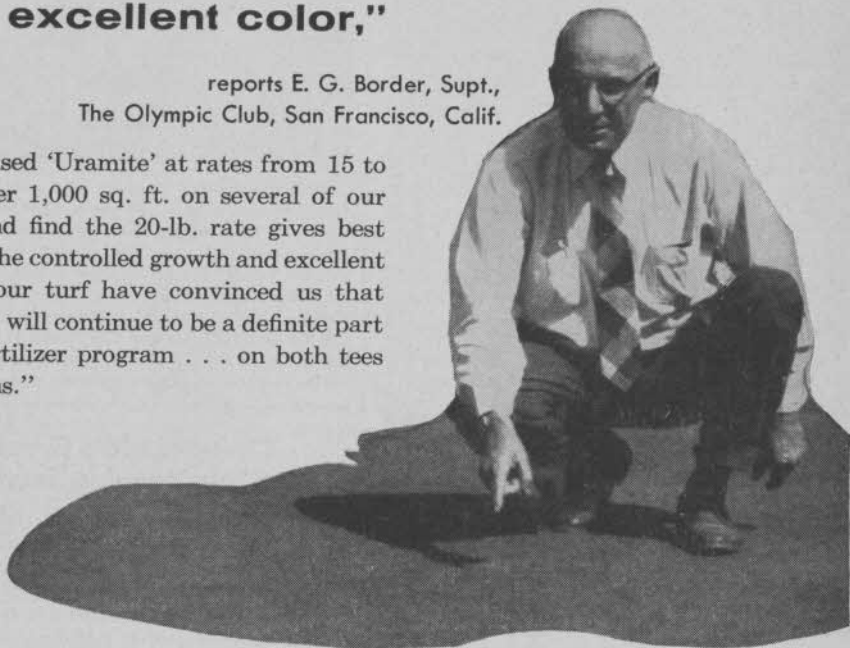
Du Pont "Uramite"—38% nitrogen—improved color and density of this turf at Columbus Country Club.

build quality turf at lower cost with Du Pont "Uramite"

**"...helped our turf grow uniformly,
with excellent color,"**

reports E. G. Border, Supt.,
The Olympic Club, San Francisco, Calif.

"We've used 'Uramite' at rates from 15 to 20 lbs. per 1,000 sq. ft. on several of our greens and find the 20-lb. rate gives best results. The controlled growth and excellent color of our turf have convinced us that 'Uramite' will continue to be a definite part of our fertilizer program . . . on both tees and greens."



"URAMITE"—the nitrogen with built-in control

Du Pont "Uramite" is 38% nitrogen—from methylene ureas of the highest quality. Applied in the fall or spring, "Uramite" resists leaching, supplies nitrogen uniformly to assure your turf long-term, sturdy, healthy growth and vitality. Uniform granules of Du Pont "Uramite" are free-flowing, clean and completely odorless.

E. I. du Pont de Nemours & Co. (Inc.)
Polychemicals Department
Wilmington 98, Delaware

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**See Your Supplier for the Highest-Quality,
Long-Lasting Nitrogen Fertilizer . . .**



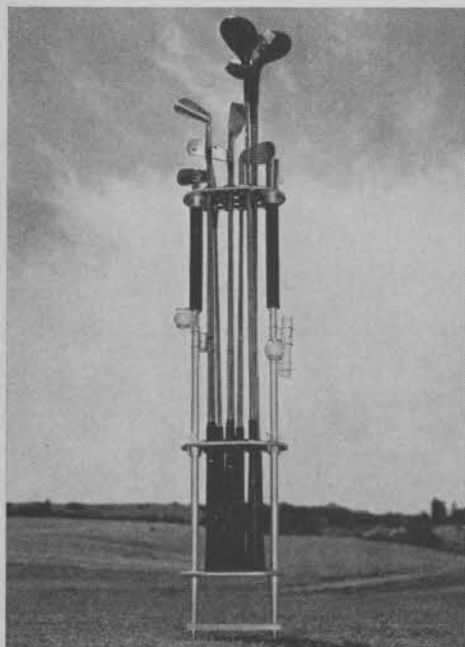
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URAMITE[®]

FERTILIZER COMPOUND

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

Faber GOLF RACK



Patented

"IT STANDS ALONE"

Presses into ground with foot and stands alone between shots.

At last a way to carry clubs that really makes sense.

LIGHT AS A FEATHER — ONLY 3 LBS. Made of Aluminum and Stainless Steel.

Nine clubs fit into openings lined with rubber edges. Holds 7 tees and 4 balls. On request a holder for cigarettes and a lighter holder can be added.

Write for details and prices.

Merle Faber Mfg. Co.
35 Stillman St.
San Francisco 7, Calif.

Sun Deck Golf Clinic



"Lighthouse Harry" Cooper, who got his nickname from Damon Runyon 30 years ago for his speedy play in bigtime tournaments (average running time: about two hours, 45 minutes) shows Eduardo Grandi, chief purser on the luxury cruise liner, S.S. Homeric, a few things about the backswing. Cooper has operated a "sun deck golf clinic" 70,000 sea miles in the Caribbean in the last two years. Winter cruises with golf instruction as one of the features are becoming more and more popular.

Claim World's Greatest Club-Cleaning Service

Charles Kelly, the great old timer in Horton Smith's shop at Detroit Golf Club, and Steve Rybicki, who operates the back of the shop for Horton, maintain that their members get the world's best club-cleaning service.

Every club is washed and dried and woods are polished when they come into the shop. Steve uses paste and wax made by Bench Craft Golf Products Co., Glen Head, L.I., N.Y. to get ball paint marks off the wood heads and restore finish.

Clubs and bags are checked for condition. If they need repairs other than minor ones which can be quickly made in the shop, the members are advised. This service often leads to sales of new equipment.

Kelly came to the club from Braeburn in 1916 to be assistant to Alex Ross. Rybicki started as a caddie in 1925. They and Horton Smith, too, maintain that when a member's clubs are sent out looking as nearly like new as possible it is a great advertisement of pro shop service and doesn't hurt sales of new clubs one bit.

NEW! 20% STRONGER FORMULATION

makes DI-MET Crab Grass Killer even more effective!

NEW LOWER
PRICE FOR GOLF
COURSES



Now bulk users of Liquid DI-MET get the advantage of a pepped up formulation and pay less for it! Your overwhelming preference for DI-MET, the country's No. 1 Crab Grass Killer, makes it possible for us to give you *more for less*. The new 30% DSMA Hexahydrate formulation is available in gallon, 5-gallon, and 50-gallon drums. See your supplier, or write direct.

DI-MET Concentrated Water Soluble Powders in 3 Formulations

These DI-MET Powders can't be beat for ease of application in any spray equipment, or for greater kill at lower cost. Compare the *active* ingredients in these DI-MET Powder compounds with those in other DSMA products. See how much more coverage you get for the money.

DI-MET 98% Powder. DSMA Hexahydrate 98% (as anhydrous 61.5%. Total arsenic 25%). Safest and most effective crabgrass and dallis grass killer. For bent putting greens and other turfs.

DI-MET 90 WA. DSMA Hexahydrate 90.27% *plus* concentrated Wetting Agent. For faster action and greater penetration.

DI-MET Plus 2. DSMA Hexahydrate 61.74%; *plus* 2,4-D Sodium Salt 26.75%; *plus* concentrated Wetting Agent. Fastest acting crabgrass and dallis grass killer ever offered! Synergistic action of formula kills more kinds of weeds and obnoxious grasses than separate applications of DSMA and 2,4-D.

O. E. LINCK CO., INC.

Dept. G., Clifton, N. J.

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Have You Received Yours?

We are sending out on loan, to bulk users of LINCK's Concentrated Chemicals, our New 24" Sprayer. 2 gallon tank covers 2,000 sq. ft. in 6 minutes. Ideal for greens, slopes, tees and spot spraying. Unexcelled for testing new chemicals. See your supplier or write direct.

You need these
LINCK products,
too, for your COMPLETE
TURF MAINTENANCE
PROGRAM

Kills moles and gophers. Preferred since 1938.

LINCK'S LAWN FUNGICIDE — A 10% mercury formulation. For brown patch, dollar spot, Helminthosporium leaf spot and turfspot, gray leaf spot, Curvularia melting-out.

STAYZ-GREEN — Safe pigmented compound produces lush green turf color instantly. Fade and water resistant.

NIGHT CRAWLER

POWER DRIVEN
POWER TRACTION

GREEN AERIFYING MACHINE

FAST CLEAN-PLUG VERTICAL TINE ACTION

- PATENTED NO-TEARING ACTION
- NO LOSS OF PLAYING TIME
- NO DAMAGE TO PUTTING SURFACE

The Power Driven Vertical Time Action produces fast, clean-plug aerifying results, allowing free introduction of air, water and fertilizer. Only the NIGHT CRAWLER has this patented no-tearing action.

The NIGHT CRAWLER is Self-Driven for transportation between greens. More holes per square foot, 18 greens can be completely hollow-tined in two days without extra help.

Night Crawler Replacement parts available for all models from 1950 through 1957.

Two, three and five section turf rollers available from stock.



Write for nearest dealer's name or write us direct — Immediate shipment

BERRIEN TOOL & DIE CO. Eau Claire, Michigan

Supt. Must Constantly Look To Improvement of Course

By **FRANK P. DUNLAP**

Supt., Baltimore (Md.) CC

Every year's golf course management program must make some definite improvement of playing conditions, regardless of the temporary setbacks due to weather, disease, pests or other causes.

In our case the improvement, in part, was the rebuilding and resurfacing last year of several tees to provide better stance and more durable turf. Tees sodded with U3 Bermuda were excellent all season. We are going to extend this work.

Overseeding fairways with Highland bent improved them. We have a bare minimum of water. Some spots of U3 in our fairways improved steadily under most adverse weather conditions. U3, or something similar, is in my opinion, the right answer in the Baltimore area, especially if mowed close and if a flexicomb

is used on the mowers continuously.

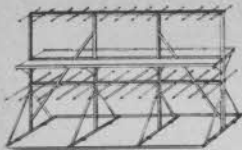
A June application of 2,4-D helped materially to keep down crabgrass in a bad crabgrass year.

Costs were boosted beyond expectations last year. They usually are despite every effort and exercise of the supt's vigilance, thrift and genius. Golf course maintenance is a business of contingencies.

Labor costs were increased by extra hours spent in watering fairways and in hand-watering greens to protect them in extreme weather. Weather called for more fungicide treatments and they ran up material and labor costs.

A substantial increase in cost at many courses has been due to failure of players and their caddies to rake traps.

Last year was the first time we had electric cars at the Baltimore CC. Damage from them was minor but some maintenance cost was added. Such damage is nothing for a supt. to cry about. Cars are here to stay.



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Tournament
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SPECIAL GOLF HANDLING EQUIPMENT

EARLY SUMMER SPECIAL!..

TEE BAG RACK



**SAVE
1/3rd**

**24 BAG
CAPACITY!**

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Rubber tipped spindles.
12 gauge perforated
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The all imported capeskin leather model 195 comes in natural color only. The model 193 has a capeskin palm and fingers with 100% nylon mesh back in either red, green, brown or natural yellow.

Write for complete information on the entire golf glove line by Champion.



195



193

CHAMPION GLOVE

MANUFACTURING CO.

309-11 Court Des Moines, Iowa

Stretching Dollars Is Biggest Problem of Maintenance

GEORGE SCOTT

Supt., Jeffersonville GC, Morristown, Pa.

Advances in the technology of turf maintenance have been about as satisfactory as we can expect progress in research involving living matter.

Our courses, I think, reflect this improvement. Today people expect pretty nearly perfect playing conditions regard-

PGA Starts Big Push for National Golf Day

National Golf Day this year will be June 7 with Dick Mayer, National Open champ, and Lionel Hebert, PGA champ, playing Southern Hills CC, Tulsa, where the Open will start the following Thursday. Challenge rounds of golfers who pay their \$1 (caddies 25 cents) to match cards with Mayer and Hebert can be played any day from June 1 through 7. National Golf Day has rased almost \$600,000 since it was started in 1952 under co-sponsorship of PGA and Life magazine. For the past two years the PGA has been sole sponsor.

Harold Sargent, PGA pres., and Fred L. Riffin, sr., pres. of National Golf Fund, through which Golf Day receipts are allotted and distributed, have sent announcement of details of this year's National Golf Day to all pros and club officials. The suggestion is advanced that clubs bill members \$1 as National Golf Day entry fee to simplify handling the event.

less of construction, weather or those mystifying factors figuring in turf health.

Club officials and the golfing public probably would be surprised to learn that turf conditions that suit them are short of the standards that supts. may desire. The reason for this gap is that the supt. hasn't learned to do the impossible job of stretching the dollar as much as he wants to or thinks he should.

There rarely is such a thing as an entirely "normal" year in course maintenance. There always is something to be done to make the course better. Consequently, there always is some so-called emergency demand on the budget. If conditions happen to be what all regard as perfect, then somebody probably will think that's exactly the time to do some job on the course that has been put aside for some time.