

area may be overwatered insofar as the requirements of Merion are concerned.

Merion will do better with a constant, uniform supply of nitrogen as is supplied by an organic carrier. Don't drown Merion; do give it a steady food supply.

When management favors Merion it is a very vigorous grower, and tends to build up a surface thatch just as the aggressive creeping bentgrasses do. The right management for Merion tees includes close, frequent mowing ( $\frac{1}{2}$  in. to  $\frac{3}{4}$  in.) to prevent puffiness, and aerifying and vertical mowing as needed to control the surface thatch that harbors disease and insects.

**Q—What are the symptoms of nematodes on bents? (Ky.)**

**A—**The so-called "yellow tuft disease" of bentgrass long has been known. Usually this occurs in the early spring or in the fall and has not usually been considered too damaging because usually the grass recovers. Recent work has indicated this yellow-tuft condition is always associated with nematodes. The grass frequently takes on a rather chlorotic yellowish unthrifty appearance but positive determination of the presence of nematodes can be made only by a trained man and a microscope.

**Q—Most of our greens have small amounts of the little white clover in them and a few have become quite infected. Is there any practical way to eliminate the clover without hurting the greens? (Ill.)**

**A—**In the early days of golf when clover was much more prevalent on putting greens than it is now, much was discouraged by simply bruising with the back of a rake, then sprinkling with dry sulfate of ammonia crystals in the clover patches and allowing them to "cook" for an hour or two in the hot sun.

Following this, syringe with a hose to wash the crystals off the blades. This practice did two things—first, it severely damaged the clover because it has a broad leaf and it holds more of the sulfate than the narrow leaves of bent do, so it burned the leaves of the clover and drastically checked it.

Second, the sulfate of ammonia stimulated the growth of the grass and caused it to grow more rapidly and thus choked the clover by sheer competition. I think this is still a good method worthy of trying wherever the problem exists.

I would like to point out that a clover problem often is secondary to some other

factor in the management. Clover comes in because grass is weakened in some way. Disease, insects, mechanical injury, faulty irrigation practices, inadequate nitrogen, soil compaction—any one or more of these things may contribute to the problem.

Check every phase of management and try to overcome the things that are weakening the grass and allowing the clover invasion. I have seen greens that have been very heavily infested with clover become nearly pure bent greens in a year or two, simply by adhering to a sound program of management. Also, don't pass up the chance to crowd clover out by introducing the more vigorous, aggressive disease-resistant strains of bentgrasses. The use of 2,4-D and 2,4,5-T on greens must be approached cautiously.

**Q—Our greens are almost, but not quite, solid Poa annua. The patches that aren't Poa are some badly matted foreign strain of bent. When we use the vertical mower, adjusted for the Poa annua, it tears up the matted bent. The members say that vertical mowing ruins the greens, though I don't quite agree because the patches of matted bent ruin the putting, anyway. What do you have to say about it? (Va.)**

**A—**I think you are right that the patches of poor bent are detrimental to the putting surface. Vertical mowing has helped you to discover the trouble spots. They are like cancerous growths which you must discover and isolate before you can begin treatment.

I would suggest that you adjust the vertical mower so it will not dig too deeply into the bent. Gradually you will get the green uniform enough so that one setting of the vertical mower will be right for the entire area.

If you are dissatisfied with the quality of the bent, you could begin removing it by plugging it out and introducing plugs of an improved strain.

### **Bill Bengeyfield in Green Section New Western Office in L.A.**

**W**ILLIAM H. Bengeyfield, who succeeded Charles G. Wilson as Western Director of the USGA Green Section July 1 now is in the Green Section's offices at Los Angeles.

Through the cooperation of the Southern California Golf Assn., the Green Section's Western offices were moved from Davis, Calif. to the new location in the quarters of the Southern California Assn.,

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FOR COUNTRY CLUB GREENS**

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BUILDS SOIL HUMUS  
MAKES COMPOST  
VITAMINS FOR GREENS  
GIVES GROWTH TO PLANTS.**

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"NO RAKE OFF NECESSARY"**

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**JAFFEE COTTON PRODUCTS MFG. CO.**

*Established 1899*  
South Lamar St. and Jaffee Dr.  
Dallas, Texas

1709 West Eighth St., Los Angeles 17.

Bengeyfield attended Alfred University, Alfred, N. Y., until his education was interrupted by wartime service as a navigator of an American Air Force B-25 in the Pacific theater. Following his discharge he entered Cornell University and graduated in 1948 from Cornell's College of Agriculture.

During his summers at Cornell, Bengeyfield did maintenance work on the university golf course and in the university arboretum. He served as Assistant County Agent in Westchester County, N. Y., before being recalled to active duty in the Air Force as a navigator with the Strategic Air Command. Upon his release last year he joined the staff of the USGA Green Section and has served in all five of the Regional offices.

Bengeyfield brings to his new position of Western Director a broad experience in both research and practical extension work. The heart of the Regional Turf Service is the provision of direct, on-the-spot scientific information to golf course superintendents.

Charles G. Wilson pioneered the Regional Turf Service for the USGA as Western Director in 1952. The Western office was the first Regional office of the Green Section.

Wilson left the Green Section to become an Agronomist for the Sewerage Commission of the City of Milwaukee.

The USGA Green Section has Regional offices in College Station, Tex.; Tifton, Ga.; New Brunswick, N. J.; and Beltsville, Md., in addition to the Western office.

### **Members Devise Tax-Free Plan for Pro Tour**

**M**EMBERS of Indian Hill Club (Chicago dist.) who constitute the Hook-and-Slice Club, devised a tax-exempt way of helping Rudy Habjan, asst. to pro Sam Bernadi, make the next winter tour.

The Hook-and-Slicers meet at the club Saturdays for lunch during the winter when weather doesn't permit play. Some of the fellows are interested in Olivet Institute, a Chicago neighborhood recreation center. Contributions to Olivet are tax-deductible.

So the Hook-and-Slicers contributed to Olivet, which in turn hired Habjan to give class golf lessons for six Mondays. The neighborhood young people came out ahead, Olivet came out ahead and Habjan will get winter circuit education.

# Electricity Solves Mosquito Problem at Rice's Range

By VIC RICE

**D**URING 20 years of operating a golf range and miniature golf course one of my greatest problems was the control of night-flying insects and pests. I tried various types of insecticides and sprays in my early days of operation with poor results. The advent of DDT held a ray of hope that our battle had been won. But these hopes faded rapidly as the insects apparently developed an immunity to DDT and seemingly passed this immunity on to their offspring.

Without an effective method of control I was right where I started as far as the pesky bugs and mosquitoes were concerned. Insects can be a serious problem as every golf range operator knows. Lack of insect control can have an adverse effect on business and the smart operator takes steps to insure proper protection. It was in the mid-season of 1952 before I finally found the solution to my pest problem and I'd like to pass the information along to other range and minia-

ture course operators less fortunate than I.

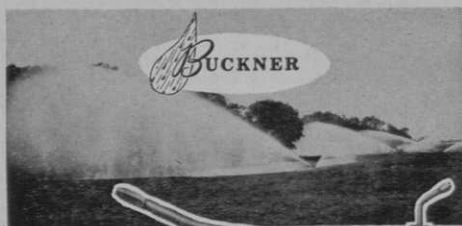
I've found an electrical device known as the Insectocutor made by the Futuramic Equipment Co., in Philadelphia to be the most effective method of killing off night flying bugs and insects. It is a comparatively small unit (24 in. wide by 28 in. high) which can be mounted in an out-of-the-way place and at the same time provide a practically insect-free tee line at the range.

I have two of these units mounted fairly high on the light poles back of the tees. As a result the insect population at my range has been reduced to the point where there is no longer a problem. Business has increased and customers are happy.

The Insectocutor consists of an electric grid, a special transformer and two 15-watt black lights. These lights have a special attraction for all insects over and above other sources of lighting. Due to



Insectocutor installed on light pole just below large parking sign at Vic Rice's Golf Range in Trenton, N. J., makes for more pleasant play by killing off bothersome insects.



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QUICK-COUPLING Valves**

The Perfect Combination for  
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MODEL NO. 6

Beautify with these attractive tee markers—custom made for your course—in 5 styles and colors. Designed to set on the turf at a 30 degree angle for clear visibility. Made of high grade cast aluminum.

Write for our folder describing and pricing Progress Tee Markers.

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1457 Marshall Ave. • St. Paul 4, Minn.



Night scene of Matt Matteson's Golf Range near Pleasantville, N. J., shows electrical unit high up on light pole which helped solve ruinous mosquito problem.

this attraction insects fly toward the black light and are killed instantly upon contact with the electrified grill surrounding the lights. The units are completely weatherproof and may be used out doors in all kinds of weather without fear of damage.

Compliments from out-of-state players who have stopped in for a little practice session and especially from my regular customers who used to gripe about the mosquitoes convince me that the comparatively small investment I've made has more than paid for itself. Actually, once the units are installed, the only cost of operation is the cost of the electricity consumed and this is small. The amount of current delivered to the grid is an amount too small to harm or affect humans or animals, but it gets the flying insects.

Matt Matteson, popular professional and proprietor of his own range on the Black Horse Pike near Pleasantville, N. J., outside Atlantic City had a serious mosquito problem which was ruining his night play. It was at my suggestion that Matt installed two of the Insectocutors. He tells me that he has had a 100 per cent improvement. The set up is clean, neat and no danger to anyone.

The use of these electrocutors is not confined to golf ranges. They are suitable for any outdoor area where there is an insect problem. The Philadelphia CC has a unit installed near a terrace where members enjoy outdoor refreshment without the bother of pesky insects.

**Get Your Share of Golfers'  
Vast Christmas Gift Spending**  
Details on page 44



### QUEEN ROYAL HOLDS COURT

Miss Lorri Kawiak, winner of the Miss Detroit beauty title, occupied a throne at the PGA championship as Miss Queen Royal.

The promotion stunt by the U. S. Rubber Co. added a highly decorative feature to Meadowbrook CC beautiful scenery. She was a timely reminder that the Queen Royal golf ball is in the feminine golf spotlight.

John Sproul, head of U. S. Rubber golf ball dept., says the Queen Royal is selling pro-only in such volume it is taxing production facilities. John, George McCarthy and other U. S. golf ball men at the PGA said pros tell them the Queen Royal has done a big job for pro shops in getting women educated to buying a top quality golf ball.

### SCOGGINS CO. SOLD TO RUSSELL AND WALLER

Howard Scoggins Golf Co., Dunedin, Fla., distributors of golf apparel, shoes, putters and golf accessories to the pro trade, has been sold to Carlton Waller and Jack Russell of Clearwater, Fla. Waller is a prominent Florida capitalist and Russell, a former major league baseball pitching star, for the past several years has been highly successful as Pure Oil Co. distributor in the Clearwater area.

Frank Sprogell, who has been gen. mgr. of the Scoggins company since its founders' death, will continue in a top executive capacity and Russell will be active in the company's management and operation.

Russell was in major league baseball with the Red Sox for seven years, with the Senators for five, the Cubs two and the Cardinals and Tigers a year each.

# SAVE WORK! SAVE TIME! SAVE MONEY!



Simply add a few gallons of  
Campbell's Liquid

## GRO-GREEN

with Foliage Dietene



1 & 5-gal. Cans  
30 &  
55-gal. Drums

to regular spray solutions and fertilize greens, tees, fairways, flowers and shrubbery **IN ONE OPERATION!**

It's fast, easy, practical. You save labor, time, money! Because GRO-GREEN — with Foliage Dietene added — mixes quickly, thoroughly with all popular chemicals, for simple "one-stop" spraying. Contains the essential elements nitrogen, phosphorus, potassium plus many enriching hormones, vitamins. Apply as often as needed, for richer coloring, hardier growth, less brown-spotting, lusher fairways, sturdier root systems that take heavier traffic.

- **Greens:** Apply with regular sprayer. 1 gal. Gro-Green to 20 gal. spray solution. Covers approx. 10,000 sq. ft.
- **Fairways:** Regular Sprayer. Use 2 gal. per acre with 8 gal. of water.
- **Tees, Shrubby, Flowers, etc.:** Use regular sprayer. 1 gal. Gro-Green to 100 gal. water or use Automatic Gro-Gun on hose.

Mail coupon below for **FREE LITERATURE**, details, prices, name of distributor.

**H. D. CAMPBELL CO.**  
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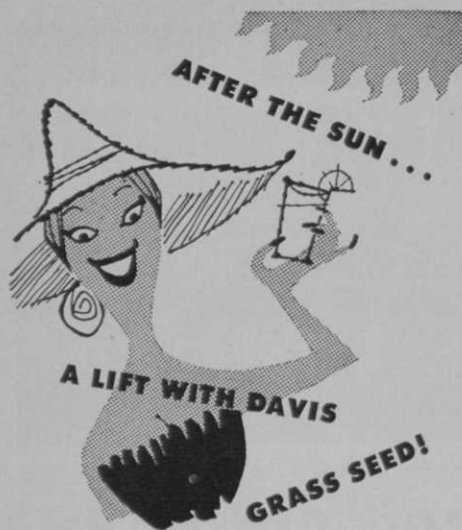
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**Utah Turfgrass Association Organizers Meet**

FIRST steps to organize a Utah Turf Grass Assn. were taken June 28 during a meeting held at the Country Club, Salt Lake City, Utah.

Jay Richardson, President of Utah Copper CC, was elected Chairman of the Organizational Committee. The first formal meeting of the new association is planned during the Utah Turf Conference, Sept. 30th and Oct. 1st, to be held in Salt Lake City.

Representing turf interests throughout Utah were Karston Hansen and Lee Williams, representing golf course superintendents; Matt Broderick, representing park superintendents; Mick Riley, PGA vp; Bill Niff, representing landscape architects; Bob Bertagnale, representing Commercial Turf Interests and Bill Benguefield, representing the USGA Green Section.

Turf interests have grown in Utah to the point where a statewide association will serve a real purpose.



**DUNLOP HOST TO FLECK AND BIG PARTY AT SHOR'S**

Vinnie Richards, Dunlop Tire and Rubber Co. vp, announced that Jack Fleck had become a Dunlop staff member, at a cocktail party at Toots Shor's bistro in New York City.

About 600, mainly from golf, attended. Many sports writers present gave Jack the full interview treatment. Jack handles himself very well with the press; hasn't stumbled over himself yet and looks like he never will. The National Open champion has got a lot of the writers in his corner quick.

Richards is handling Fleck's exhibition and other business matters through the Dunlop office at 500 5th ave., New York.

Vinnie put on another big show with 500 attending when he had Paul Hahn giving an exhibition at the Dunlop employee's course in Buffalo.

**BUZZY HEADS NEW SPALDING  
EXPORT DEPARTMENT**



"Milt" Buzby

Puerto Rican-raised "Milt" Buzby, Jr., recently joined A. G. Spalding & Bros. to head their new Export Dept. With offices located at 161 Sixth Avenue, Buzby will handle export contacts and out-of-country business transactions.

Buzby was born in Puerto Rico 30 years ago and is a U. S. citizen, residing at 23 Lynn Road, Port Washington, N. Y. He attended Kent School, Harvard University for an AB degree then Graduate School of Business and Public Administration, Cornell University.

He was a member of the U. S. Navy Reserve during 1944-46 also seeing duty in Pacific on Amphibious Landing Craft.

From 1949 after attending Cornell he was employed by Esso Standard Oil overseas in sales management. He speaks Spanish fluently and was located at Puerto Rico, Panama, El Salvador and the Canal Zone leaving Esso in 1954.

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6" x 9" leather top. Luggage tan trim. 14 club size. Ball pocket. Ball and card holder. Tee holder. Shoe and jacket pocket. Detachable sling. Cart wear protection.

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*Scott's* ARE FAMOUS FOR CHAMPIONSHIP TURF

Hodgman Rubber Co., Framingham, Mass., has a new No. 121 waterproof nylon golf jacket, with "action-free" shoulder. It has eyelets for underarm ventilation.

### MACGREGOR GOLF TO OPEN DALLAS WAREHOUSE



Eveslage

MacGregor Golf Co. will open a new service warehouse in Dallas, Tex., August 22.

R. D. Rickey, MacGregor sales mgr., said: "We're taking this step to better serve our golf pro customers throughout the fast-growing Southwest. Quicker delivery of MacGregor golf equipment to pros in

Texas, Oklahoma, Arkansas, Louisiana and Mississippi is one of the main benefits of the Dallas warehouse."

Housed in a newly-completed building at 1548 Slocum St., Dallas 7, the warehouse is only 10 minutes from the down-

town section of the city. Plenty of parking space is provided for the company's customers.

In charge of the new warehouse will be Robert K. Eveslage who is moving to Dallas from Cincinnati. He has been a member of MacGregor's sales division. Prior to this, he held sales positions with the Andrew Jergens Co., and the Reynolds Metals Co.

### SAM CLAPPER FROM AIR FORCE BACK TO CLAPPER CO.

Samuel M. Clapper, son of Orville, pres., The Clapper Co., West Newton, Mass., is back in the golf course equipment and supply business after four years in the U. S. Air Force.

Sam now is representative of The Clapper Co. in New Hampshire and Vermont. He and his wife now are making their field headquarters in a trailer park at 90 Manchester St., Concord, N. H.

### WEST POINT NOW U. S. SALES REPRESENTATIVE, ATCO MOWER

West Point Products Corp., West Point, Pa., has become exclusive sales representative in the United States for the Atco greensmower.

## NEW ATWATER-STRONG 25 HP MULCH-VAC LEAF SWEEPER



is just the thing for golf course leaf disposal. Vacuums up, cuts into fine mulch, returns leaves to ground in single operation. Tractor-drawn, 6' 5" pickup cleans up to 30 acres in 8 hr. day. 25 HP power unit shown, smaller models also.

Write for complete information to ATWATER-STRONG COMPANY, ATWATER 2, OHIO



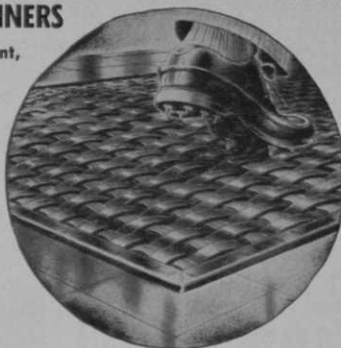
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West Point says it has been watching the development of this mower as a companion tool with the Aerifier/Verticut combination. Mowing, after aerifying, Verti-cutting and dragging, is an essential part of the operation. West Point has noted "many superintendents do this final operation with an old greensmower, fearing that soil on the surface will cause excessive wear of a new mower. This is good economy insofar as equipment is concerned, but the putting surface produced by the old mower often is less smooth and true than desired by the players.

"Reports from the field have brought out that the Atco Greensmower can be used immediately after aerifying, producing a smooth cut, with no harm to the mower itself."

Improvements already have been made on the Atco greensmower and more are on the way. West Point will carry an adequate supply of parts, so delivery of any needed replacements can be made promptly.

The Atco Greensmower will be available through distributors of West Point equipment.



### HISTORIC SHIPMENT OF PENNLU

Left to right are Dr. F. L. Bentz, Jr., University of Maryland, Mrs. E. S. Pleasanton of Valentine Turfgrass Nursery, Worton, Md., and Dr. Charles P. Ellington of University of Maryland. They're viewing the first shipment of Pennlu creeping bentgrass stolons ever made from a commercial nursery.

The strain, developed by Dr. H. Burton Musser of Penn State, was released to commercial growers last fall, and is the only strain of vegetative creeping bentgrass in the U. S. eligible to production under an official certification program.

## GREATER DISTANCE... DOESN'T PUDDLE

Just a single line of water, rotating, so all the water soaks in before the line passes over again. Up to a 90-foot diameter with good pressure; down to as little as a 15-foot diameter with a turn of the faucet.

DOUBLE SPOUT  
Style (Illus.)  
\$19.50

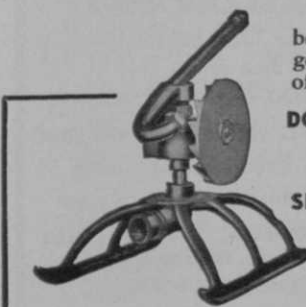
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**SOILAIRE MAKING NEW  
LAWNAIRE MACHINE**

A new low-priced riding type turf aerating machine that can be readily attached to a sizeable power mower or



garden tractor, named the Lawnaire, is being built by Soilaire Industries, Minneapolis, Minn.

This new machine is 21 in. in width and has sharp-pointed, straight or notched-edge knives that can be set at controlled depths of 1-2-3 in. and will open up the root zone to air, moisture and fertilizer.

Moving along at 3 MPH the machine will cover average sized greens, tees and approaches in 15 minutes.

**TRIANGLE APPOINTS TWO  
WEST COAST REPRESENTATIVES**

Triangle Conduit & Cable Co., Inc., New Brunswick, N. J., has appointed two additional sales representatives who will handle golf course plastic pipe business in their territories. They are: Neil Derby, 1743 First Ave. South, Seattle, Wash., covering Washington, and H. B. Oliphant, Oliphant Commercial Corp., 610 Oak St., Oakland, Calif., servicing Northern California and Western Nevada. The Oliphant Commercial Corp. will have warehouse stocks.

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