Grau's Answers
(Continued from page 45)

of a significant revolution in over-seeding warm season grasses. We commend Dick Schmidt and R. E. Blaser, Hurley Savage, Harry McSloy and all others who have made contributions to this great advance.

Q: I am sending some samples of sandy loam, peat, and sand, that are available in this section for topdressing greens. Greens have not been topdressed in two years. We can not buy a coarser sand here. Is this sand too fine to use on greens? We sent plugs for soil test. Reports back were around Ph 6.4 and a sandy loam in upper 2 ins. Is this sand too fine and will it pack too much in a 1-1-1 mixture? (Ohio)

A: The sample of sand is so fine that you will be well advised to leave it strictly alone and look for a source of coarser sand. In a 1-1-1 mix you would develop a low-grade cement. The soil is a floury silt that is about the worst you could put in a topdressing mixture. The peat is of good quality but is not of much use by itself.

Rather than use a mixture that will give you future trouble, you will be better of to do no topdressing. You can do a great deal by cultivating the greens now while growth is active, and by fertilizing generously with slow-acting, insoluble types of nitrogen. The aero-thatching process brings a great deal of soil to the surface where it is distributed by dragging and where it becomes your topdressing. The soil is in a pulverized condition so that the putting surface after the operation is as smooth as before.

Fertilizing immediately after the cultivating procedure is excellent practice. The maximum quantity of plant food enters the rootzone where it can be of the greatest benefit.

Some supts. who have not topdressed a green in 25 years tell me that they can't see any reason for it.

New Toro Service Designed to Improve Cutting Operation

Toro Mfg. Corp., Minneapolis, is introducing a personalized free service for large area users of grass-cutting equipment. Toro reps are making surveys of cutting problems such as at golf courses, evaluating equipment requirements and from these, recommendations for improving operations are made. In undertaking the new service, Toro is borrowing a page from the insurance industry. It lists the debits and credits of systems currently in use at courses, and then drafts a proposal showing how these can be improved with a savings in time and costs through purchases or lease of Toro machines.
Get beauty teamed with durability and cleaning ease. That's Magic Fluff. It comes in a rich, oriental color blend to suit any decor. All orders are custom made to fit individual floor areas. Write for a Special Trial Size Magic Fluff Mat Sample . . . 17" x 32" $5.00 postpaid.

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Con-Voy Carts Have English Sport Wheels

Lightweight English sport wheels for easy carting are a new feature of Con-Voy's newest golf cart, the Continental. The ball-bearing wheel is said to provide a smooth, easy roll and reduces shock and fatigue. Deluxe features including stroke counter, cigarette and tee holder, are standard equipment. All tubular parts are anodized in gold. The bag position is adjustable, allowing sufficient room between the mainshaft and the back of the bag to allow easy access to back pockets. The squeeze hand release, exclusive with Con-Voy, allows fast, convenient locking of wheels in play or storage position. The Continental is guaranteed for three years.

Public Shows Interest in Ransomes Sims Exhibition

Much public interest was shown at the two-week display exhibition on turf maintenance held at the Fisons Garden Center in London, England recently. This was a joint venture of Ransomes Sims & Jefferies and Fisons Fertilizers to demonstrate both the practical and chemical care of turf. To show the development of the lawn mower, Ransomes showed the first machine in the world which it made in 1832. A photographic history provided a background.

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The Etonic Queen golf shoe for women has been inspired by the famous Ryder Cup. It has full length cushion innersole, full glove leather lining and sewn-in kilties. It is available in black alligator calf with white buck, hawthorne calfskin, and genuine white buck. Available only in pro shops, the shoe is made by Charles A. Eaton Co., Brockton, Mass.

Saddle Tees for Plastic Pipe

The line of brass saddle tees for use with plastic pipe has been expanded according to Rainy Sprinkler Sales, div. of L. R. Nelson Mfg. Co., Inc., of Peoria, Ill. The line includes fittings for use with medium or high density plastic pipe in sizes from 1/4-in. up to 1-in. and 1-in. Using only a standard screwdriver and the heat-weld tool, sprinklers can be correctly located and installed.

Tote-Stool Is Combination Seat and Club Carrier

Tote-Stool, made by Kalbar Products, Inc., 3608 S. Kedzie ave., Chicago, may be one of the remedies for slow play. It is a combination carry-all that converts into a seat. Golf bag and seat together weigh only 1½ lbs. but the manufacturer claims that the seat will support as much as 500 lbs. Fourteen clubs can be fitted into Tote-Stool's pockets and there is a section for balls, tees and other accessories. When it is carried it simply is collapsed and slung over the shoulder. If it isn't used for carrying clubs it comes in handy for following matches and other sporting events.

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S, R, S Markets Par Master Golf Net

Smith, Rader and Smith, distributors of Par Master Golf Net, P. O. Box 1512, San Mateo, Calif., is inviting pro and dealer inquiries on its new golf net which features "Enilon," a synthetic, non-combustible vinyl-chloride green fiber spun by the fusion method with knotless
construction. The frame is rust-resistant, painted tubular steel; target is finest white canvas killing obnoxious weeds and grass as well as insects. Spreaders and mowers with Scott trademark also are described.

Cuff Links with PGA Balls

Cuff links are being given free with each doz. of PGA golf balls. The links are of authentic “Golf Spike” design and are a part of a special pro shop promotion. PGA’s Ryder balls are finished with a recently perfected vinyl type enamel which is said to give long lasting whiteness and to reduce scuffing.

Scott Pamphlet Describes How to Get Better Turf

“Turf Program Products,” published by O. M. Scott & Sons, Marysville, O., describes the professional way of obtaining better turf. It shows the different Scott seeds that can be successfully applied to courses, and describes various products that can be used for feeding turf and

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June, 1961
K & M Tile Suggested for Converting Roofs to Recreation Areas

Asbestos-cement tile made and marketed by Keasbey & Mattison Co., Ambler, Pa., transfers heretofore unused roofing surfaces into serviceable areas, such as for recreation, sunbathing, etc. The tile also serves to keep roofs from deteriorating. Light gray in color, the tile is highly reflective, thereby minimizing heat absorption. Called Promenade Tile, the new K & M product is installed by trowel on a cold asphalt cement base in an operation similar to installing interior plastic tile. Standard size is 12 x 12 ins. and half tile, 12 x 6. Both are 5/16 ins. thick.

Dayton is Spalding VP

James A. Dayton has joined the A. G. Spalding & Bros., Inc., Chicopee, Mass., as the executive vp of both the Spalding Sales Corp. and Spalding Chicopee div. of the company. Dayton has many years of experience in the field of general management. He makes his headquarters in Chicopee.

Rodenmeyer Named Distributor Manager by Mallinckrodt

J. A. Rodenmeyer has been named mgr. of distributor products for the industrial chemicals div. of Mallinckrodt Chemical Works of St. Louis. He succeeds C. L. Crump. Rodenmeyer is responsible for all phases of Mallinckrodt's marketing program for industrial chemicals sold through dealers. Rodenmeyer joined Mallinckrodt in 1955 as a chemist and within a year was named a supervisor in chemical control. His most recent assignment was as assistant mgr. of distributor products.
Cushman Demonstrates
New Line of Vehicles

Cushman Motors, a Lincoln, Neb. subsidiary of Outboard Marine Corp., announces a new line of golf cars, scooters and three wheel util-

ity vehicles. The company had just completed a nationwide tour showing the vehicles to dealers. One of the biggest changes in the line is addition of two new advanced design, 4-cycle, 9 and 18 hp diecast aluminum en-
gines. Among the completely new vehicles unveiled is the gasoline Golfster which has a fibre glass body and will run all day on 5 gals. of gas.

Poye Appointed Sales Manager
by Chamberlin Metal Products

G. Kenneth Poye has been appointed Sales mgr. of Chamberlin Metal Products Co. He directs sales and marketing activities. Chamberlin pioneered in the golf cart field and has national distribution plus foreign sales. Poye has an extensive background as a salesman, sales engineer, and sales rep. He is a graduate of Wayne State University.

Essig on MacGregor Advisory Staff

Don Essig, 1957 Public Links champion and more recently a Louisiana State U. golfer, has joined the MacGregor advisory staff. He turned pro almost a year ago and is affiliated with the Sycamore Springs GC in Indianapolis. Essig's greatest triumph as a collegian came in the 1960 Southern Collegiate when he tied for first.
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A New Low-Low Price of
$10.45 per gallon
(Sales Tax and Freight extra)
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Buy direct from Manufacturing Chemist
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Blades Named VP of AMF's
Ben Hogan Company
Jack H. Blades, former customer services mgr. for government products group of American Machine & Foundry Co., has been named vp and sales promotion mgr. of AMF's Ben Hogan Co., Ft. Worth, Tex. Ben Hogan continues as pres. and Ed Rankin as vp and general mgr. of the firm. Blades joined AMF in 1955 and three years later was made government service mgr. Before coming to AMF he was pres. of his own firm, a manufacturer of aircraft components. He was educated at Washington U. in St. Louis.

3M Cloth Cleans Clubs
Minnesota Mining and Manufacturing, 900 Bush ave., St. Paul 6, markets a "Scotch-brite" cleaning pad that can be used for cleaning woods and irons. The pads, available in fine and ultra-fine grades, can be used with hot water, detergents and most solvents and are easy to rinse for re-use.

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Ryan Steps Up Cutting Speed
on New Sod Cutter Model
By changing the transmission and boosting hp, Ryan Landscaping Equipment Co., 871 Edgerton st., St. Paul 1, has given its new JR3 Sod Cutter a 100 ft. per minute cutting speed. The model supersedes the JR2 but retains all the quality construction and operating features of the older model. The cutter has wide application in course and large area turf work.

Armour Irons Redesigned
The MacGregor Co., Cincinnati 32, Ohio, says Tommy Armour Irons are completely new and redesigned for 1961. The back features...
exclusive “flared” construction for better balance. The face has special “pyramid” scoring that aids in aiming and is said to power the weight of the club directly behind the ball.

The hitting area is larger too. The face is sandblasted to provide “touch” for better control. Other features: Pro-Pel Action shaft; Fineline Grips or Black and Gold leather Firma-Grips. The clubs are available in matched sets of nine, eight or separately.

**Neolite Flex in Golf Shoes**

Neolite Flex, made by Goodyear’s Shoe Products div., Akron, O., is being used by 30 manufacturers in making men’s and women’s golf shoes. Flexibility, durability and non-curling are features of the material. The sole’s deep counter-sunk receptacles assure spike retention and simplify insertion. Neolite Flex also is used for dress shoes.

**Pennington Introduces Leaf & Litter Attachment**

A new Leaf and Litter Sweeper attachment for riding mowers is being introduced by Pennington Mfg., Co., Addison, Ill. Pennington officials say that the sweeping attachment picks up leaves (even wet ones), paper, twigs, clippings, etc. and blows the material into a hopper cart. Along with the Leaf and Litter Sweeper the company offers an outrigger mower, snow blade and leaf mulcher attachment.
Melflex Markets 6-Way Mat
Melflex Products Co., 410 S. Broadway, Akron 8, O., claims a big improvement in range mats with invention of its 6-way mat. No lifting or shifting of the mat is said to be necessary with its three-section device (driving, fairway brush and standing insert) for either right or lefthanded golfers. Melflex says it also has overcome the waterswelling problem. Standard size is 44 x 60-ins. and special sizes are available. Melflex mats are reversible.

Sewerage Commission to Continue to Manufacture Milorganite
In letters to distributors and in some of its ads, the Sewerage Commission of Milwaukee has strongly refuted rumors and a newspaper article that it is planning to take Milorganite off the market now or in the future. In fact, the Commission has gone on record as saying, "We'll continue to manufacture and sell Milorganite as long as there is a Milwaukee." In the last four years $5 million has been invested by the Commission in dryers, filters and other equipment. Plans are to increase the plant's capacity by 20 per cent to meet growing demand for Milorganite.

Rain Bird Introduces Concealed Sprinklers, Pop-Up
National Rain Bird Sales Eng. Corp., Azusa, Calif., is introducing a new line of concealed turf sprinklers, Rotor Pop-Ups for use on automatic or manual controlled underground systems on large turf areas. Designed for hills or level ground it is available in part or full circle sprinklers, with full circle models being available with single or two nozzle sprinklers. The sprinklers are designed to be installed flush with the ground. The Pop-Ups employ the positive oscillating arm drive and bearings that are protected from wear by Bain.
Golf Score Cards
Specializing in Printing for Clubs and Pros.
CHARGE CHECK BOOKS
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Bird “TNT” assembly. A heavy duty retractor spring on the sliding pop-up member assures positive closing of the sprinkler when the pressure is off. The entire internal assembly is removable from the top without removing the case from the riser. Rotor Pop-Ups are available from distributors or from Rain Bird.

Safety Spike Available with Mister Featherweight Rake

Mister Featherweight, an all-aluminum rake, is furnished with a spike so that it can be stuck in the sand and prevent injuries. Marketed through the Lite-Weight Tool & Manufacturing Co., 11422 Fleetwood st., Sun Valley, Calif., the rake is available in two widths, 15 ins. and 8 ins. The larger model weighs less than 2 lbs. and both models have splinter-fee handles. The spikes can be detached. For those who have the rake, but not the spike, the latter can be ordered from the Lite-Weight company.

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Per Single gallon.......$4.75
3 gallons, per each gal. can 4.50
Order from your dealer or direct from DBA and give dealer’s name.

Velsicol Film for Dealers on Free-Loan Basis

Velsicol Chemical Corp., 330 E. Grand ave., Chicago 11, is making available to its dealers a lawn and insect control film for group showings. In color and on 16 mm film, it shows in about 14 minutes how to recognize various insects and how to control them. The film was produced by Iowa State University in cooperation with Velsicol. Prints can be obtained on a free-loan basis by writing to the firm. Black and white film for TV showing also is available.

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RANGE-PAR 3 MINIATURE EQUIPMENT - SUPPLIES - FIXTURES

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June, 1961
FOR SALE — By Owner — Semi-Private 9 hole golf course on main highway in Northern Ohio. Large modern clubhouse and dining room, liquor license. One of Ohio’s popular golf courses. $100,000.00 down payment required. Address Ad 609 c/o Golfdom

NOTICE INVITING BIDS FOR 9-HOLE PAR THREE GOLF COURSE. The City of Pico Rivera invites bids for the lease of approximately 6½ acres and operation of 9 hole Par 3 golf course and related recreational facilities from private developers. The proposed site adjoins Rio Hondo Park. Plans and specifications may be obtained from the City of Pico Rivera, 6615 Passons Blvd., Pico Rivera, California upon payment of a deposit of $10.00 per set. Bid opening will be at 8:00 P.M. on Monday, July 3, 1961.

WILL BUY, or lease-option nine-hole golf course, by experienced successful PGA Pro-Greenkeeper and wife. Address Ad 610 c/o Golfdom

WE MANUFACTURE PUTTERS TO YOUR SPECIFICATIONS AND TRADEMARK (JOBBING QUANTITIES). WRITE FERNQUEST & JOHN-SON GOLF CO., COLMA, CALIF. FOR PARTICULARS.

WANTED FOR CASH
Old golf balls retrieved from pond, golf courses, etc. Cuts and bumped ...........................................$0.36 per doz. Off brands and synthetics, or slightly nicked .................................................. 1.56 per doz. Bound and perfect $1.25 brands for refinishing .................................................. 2.40 per doz. Like new top grade for resurfacing .......................... 3.60 per doz. Send for Shipping Tags and Instructions TO ORDER GOLF BALLS FOR RETAIL SALES Reprocessed with Balata cover, snow white enamel and imprinted with distance, trade name in stock and number. We accept your mixed compression cores and return only high compression (no shrinkage) at no additional charge. A fast seller at 50c to 75c each. Bulk — your cost on exchange $2.95 per dozen. We are nation-wide Distributors of the finest in golf range and miniature course equipment — balls, clubs, mats, etc. Send for catalog.

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For Sale — Combination Range and Miniature — completely modern — excellent location in LARGE FLORIDA CITY — cash, or cash (25% minimum) and financing with A-1 credit and references — ANNUAL MINIMUM NET $20,000. Address Ad 615 c/o Golfdom

Have compact golf course plan. Creating tremendous interest in South. Ideal for Par 3 courses. Architects inquiries invited. Gil Creed, 1100 Logan St., Denver 3, Colorado

For Sale — Nine hole golf course. Bent grass greens — clubhouse — living quarters — underground sprinkler system. Located in Oregon. Address Ad 620 c/o Golfdom

Link-mobiles, made by Northwestern Motor Co., Eau Claire, Wis., and a Westmont, made by Westmont Golf Buggy Co., Madison, have been used by officials of the Kohler Co., Kohler, Wis., to transport visitors between and inside plant buildings.

Jacobsen Manufacturing Co., Racine, Wis., which moved into new quarters early this year, welcomed guests and the public at an Open House on May 13-14. The plant is located at 1721 Packard ave. The Open House also marked the company’s 40th anniversary.

Hilmac Has New Cleaner
Hilmac Corp. Box 650, Sheboygan, Wis., has introduced a deluxe model of its Club Cleaner, an electric club washing machine. Powered by ½ hp, 110v AC motor it quickly scrubs dirt and ball marks off clubs. The new Hil-mac has a resistance type heating element for the washing solution and a fiberglas case. Two models are available: a bench type, ideal for pro shops; and another for ranges and public or semi-private courses that can be converted to coin operation.

Sportsmaster’s Travelling Teacher
Golfmaster, made by the Sportsmaster Corp., 1257 First National Bldg., Detroit 26, is a “travelling teacher” that is attached to a golf bag and used for quick correction of errant swings. In consulting the weatherproof plastic device, which is 4 x 9 ins., the player can check about a dozen illustrated pointers in order to try to find out what he is doing wrong. Three years of study and consultation with pros are said to have gone into the device, according to C. R. Miller, pres. of Sportsmaster.

Wells with Laher Sales Division
Elmo F. Wells has been named mgr. of the Laher sales div. of Mages Sporting Goods Co., Chicago. The Laher div. markets golf cars made by Laher Spring & Electric Car Corp., Oakland, Calif. and New Albany, Miss. Mages is the firm’s Midwest distributor. Wells has had many years of experience in golf car and industrial equipment sales work.