



“I never worry about an installation when we use Certain-teed Asbestos-Cement Pipe!”

Lee Freeman is a construction superintendent who specializes in golf course irrigation systems, and has used various kinds of pipe in courses throughout the country and in the Caribbean. “Certain-teed pipe is easy to work with and absolutely dependable. I’ve used it in the Catskills, in 35-below-zero weather, and in the Deep South, with 100-degree heat. Under all

conditions, including swamps — rocks—clay, Certain-teed pipe out-performs any other kind.”

For the irrigation system your course needs, choose economical, trouble-free Certain-teed Asbestos-Cement Pipe, now factory-equipped with the new CERTA-SPACER™ pipe-positioning band for fast, sure assembly at every joint.



Certain-teed Products Corporation

PIPE DIVISION • LEA BUILDING, AMBLER, PA.

OTHER DIVISIONS: BUILDING MATERIALS • WM. CAMERON & CO.

For more information circle number 118 on card

WINTERKILL Continued from page 40

are numerous good fungicides available. The mercury materials have been especially effective over a long period of years. If midwinter thaws occur, a repeat application may be in order.

4. Protect against drying out. The placing of brush to hold snow is one practice that appears useful. Following experiments by Dr. J. R. Watson in Minnesota, several superintendents have used polyethylene covers on greens. Such a cover is effective in eliminating desiccation injury and ice-sheet damage. Timing of the placement and removal of the cover appears to be critical. Watering from tank trucks during "open" spells in the winter has helped some superintendents to save turf on exposed areas.

5. Assure good drainage. Soils that are well-drained and well-aerated have been shown repeatedly to support a turf less susceptible to winterkill.

6. Remove ice sheets or at least break them up.

7. When thaws occur, begin watering

lightly and regularly until the plant can reestablish its root system.

8. Try to keep traffic off frozen greens or even those covered with an early season frost. Traffic physically damages the grass plant. More important, keep traffic off when the soil on top has thawed and that underneath is still frozen. At this time soil structure is damaged, roots are severed and the weakened plant tissue is particularly liable to injury.

9. Choose varieties that have demonstrated cold hardiness. There appears to be substantial difference within species relative to the ability to withstand cold.

Cold injury has been so widespread and so serious in recent years that numerous experiment stations have begun to study the matter more critically. There has been a renewed interest in soil warming by the use of electric heating cables and in the use of various types of coverings.

As we learn to know more of the "why's" of winterkill, it is certain that we shall come to be able to invoke the "how's" of controlling it. •

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1316
with
exclusive
stretch
fabric

ACTION'S FREE OFF EVERY TEE

with BUTWIN GOLF JACKETS

"Action jackets" by Butwin feature exclusive free-swing designs performance-tested and approved by the pros. Comfortable and lightweight, Butwin jackets are made from fabrics specially selected for rugged, active duty. Let your pro help you select the style and color that's just right for you. Write for free illustrated catalog.

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**down
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trees**

...the thrifty Davey way

Dead trees and broken limbs overhanging your pedestrian or traffic lanes are potential lawsuits. Don't risk it. Now is the most economical time of all to let Davey experts remove them — during Davey's off-season.

With modern Davey equipment, you eliminate all cost of owning and maintaining expensive tree-care equipment. Plus the risk of using untrained operators.

Davey men are trained not only in tree-care skills, but in avoiding personal injury and damage to property. They're fast on the job because they're skilled and experienced. Also, they're fully insured.

Officials hire Davey because our experts' work pleases the public. It saves the taxpayers money. And officials protect their reputation for getting quality at thrifty prices by taking advantage—*now*—of Davey's nationally famous reputation.

Think safety and you'll think Davey—for thrift.



Write direct to J. W. Joy, Sales Manager

DAVEY TREE EXPERT CO.

Kent 40, Ohio

The Oldest and Largest Tree Saving Service in the World

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Thousands of golfers
have been waiting for this
prestige golf car!

Cushman announces
New Four-Wheel
Gasoline Golf Car...
the TROPHY MODEL

With four wheels on the ground, the new Cushman Trophy operates on even steep hills without danger of tipping. Wheel base and rear tread are proportioned to give maximum stability. It's the gasoline-powered companion to the Cushman Electric Trophy, the popular four-wheel electric model introduced several months ago.

Power for the Cushman Gasoline Trophy comes from a 10-hp cast iron engine. This is a 4-cycle engine with the well-known economies and conveniences of engines of this type. There is no need to mix the gasoline with oil.

As with other Cushman models, body panels are fiberglass with color permanently impreg-

nated into the material. Color cannot chip off or fade. Ten individual body panels are bolted to an inner frame and each is easily replaced in the event of damage. The entire rear body tilts up and locks in an open position for easy servicing of all mechanical parts.

The Trophy gives the ultimate in comfort for its riders. A leaf spring coupled with torsion bar smooths out the bumps. Automotive-type shock absorbers in the front add to the smooth ride. The specially-designed bucket-type seats and back rests are individually suspended and represent a great new advance in golf car comfort. There are three ways to engage the disc-type driveshaft brake: foot





operated brake pedal, tilt-action locking brake, plus an automatic seat brake for additional safety. This seat brake engages automatically whenever the driver leaves his seat.

Standard equipment includes front and rear chrome bumpers, roomy compartment in dashboard, and garment carrying space on the rear. Canopy top and chrome side rub rails are available as accessories.

There are six other Cushman models making up the world's most complete line.

CUSHMAN MOTORS

"the big name in little wheels"

A Division of Outboard Marine Corp. • Lincoln, Nebraska

Authorized Cushman Distributors and their dealers are ready to give you a demonstration now. Call your Cushman representative or mail the coupon for complete information.

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Please send me your new free golf car booklet. I am particularly interested in the new Gasoline Trophy model.

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For more information circle number 121 on card

New PGA leaders know score

Elbin, Fraser, Orlick rated as assets to organization, but publicity operation needs updating.

By HERB GRAFFIS

With the mysteries and troubles of the Palm Beach Gardens PGA National golf course and headquarters building out of the way, the Professional Golfers Association of America's 1965 annual meeting, at Palm Beach Towers hotel, was a tranquil routine affair highlighted by the election of officials to the unenviable job of modernizing the pro organization.

There were no political battles following the decision of Warren Cantrell that, after two years as PGA president, he'd had all the beating for nothing that a smart pro patriot could be expected to take. Practically drafting the succeeding president, Max Elbin, and his ticket, was the major accomplishment of the PGA delegates. Despite the long detail work of the delegates, the association's policy is not to make public knowledge of what happened, if anything, to help, particularly, the non-tournament professionals and their clubs or pay-play course employers.

One sign of progress did appear in the announcement that "plans for a major renovation and expansion of the association's educational program were considered by the Executive Committee and the delegates, and unanimous approval was given to proceeding with a plan outlined by Education Committee Chairman Gene C. Mason. This plan, when completed and put into effect, may well result in the creation of a separate educational department in the PGA which would carry on such activities as a home study course for new golf professionals and an advanced course for experienced professionals as well as the PGA Busi-

ness Schools and other educational activities already in existence."

The outline of the Mason proposal was not made public. The USGA, with its Green Section educational program, the state agricultural association short courses in golf turf management, the GCSA regional and national schooling sessions, has taken a big lead over the PGA in golf business education. The PGA work began on a vigorous national basis only a few years ago with the Business School operation. This was started under the direction of Emil Beck. The schooling and screening of tournament circuit candidates, recently inaugurated, is another PGA educational program.

There was no explanation why the PGA should want to keep behind closed doors information concerning a plan aimed at increasing pro value to other golfers.

In its new top officers the PGA has fine publicity material as the 1966 High Command is outstanding in service to golfers.

Max Elbin, pro at the famed Burning Tree Club in the Washington, D. C. area is rated by many of his famous members as a remarkably good golf businessman. Most of Elbin's members are political figures, lobbyists, businessmen and high ranking military officials who belong to other clubs. They can (and do) make comparisons. Elbin was PGA Treasurer in 1964 and Secretary in 1965 prior to the annual election.

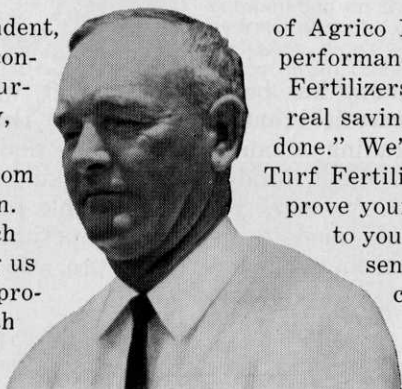
Leo Fraser, Atlantic City (N. J.) C.C., worked his way up from being a caddie at the club to becoming its president. He is in financial and management capacities

Continued on page 95



Agrico's Turf Fertilization Program has proved itself on Willow Point's championship course.

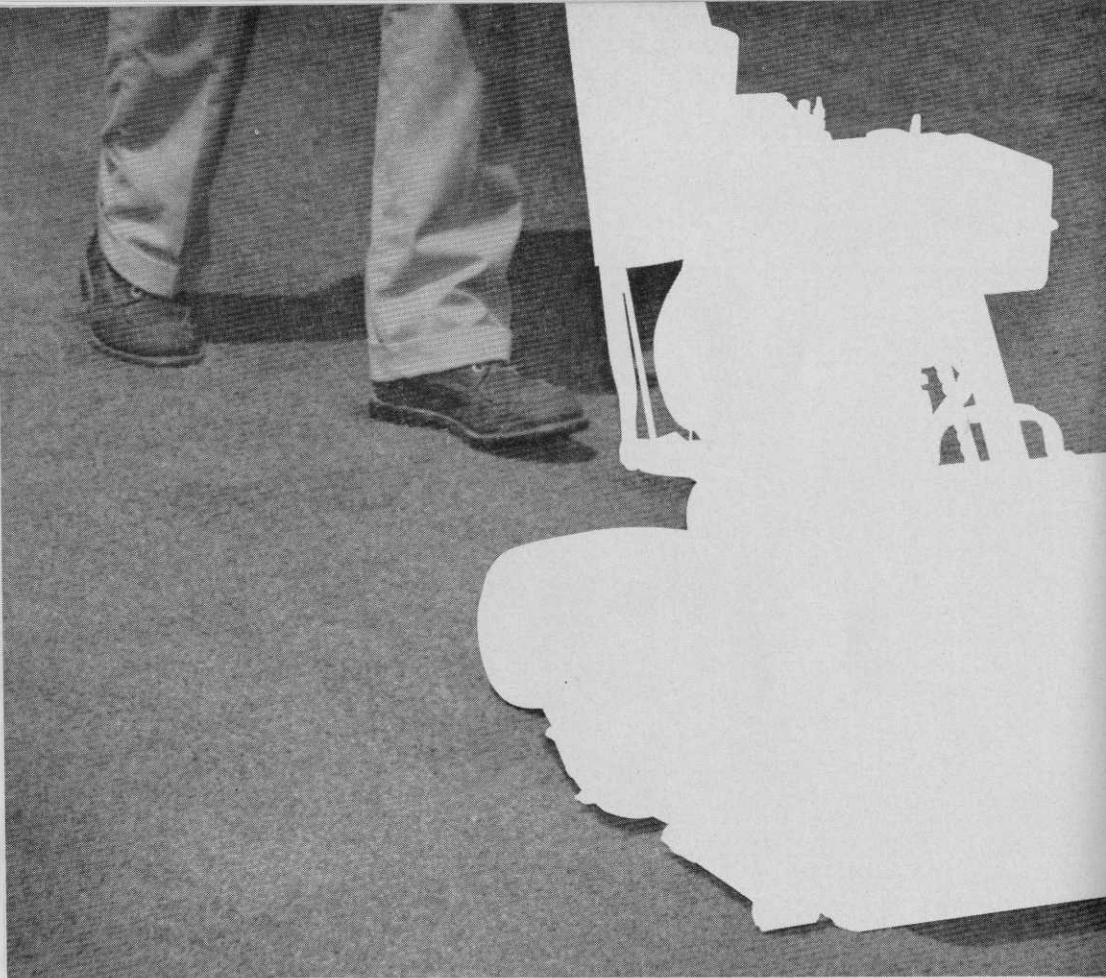
Tommy Dickinson, Superintendent, says, "This beautiful course, constructed by Russell Manufacturing Company, Alexander City, Alabama, has used an Agrico Turf Fertilization Program from the beginning of construction. "We like the scientific approach followed by Agrico in helping us develop a sound and practical program. We are well pleased with the uniformity, free-flowing and other physical qualities



of Agrico Fertilizers. The superior performance of Agrico Country Club Fertilizers and Agrinite has meant real savings in cost and a job well done." We're sure that an Agrico Turf Fertilization Program will improve your course. Let us prove it to you. Call your Agrico Representative or write to American Agricultural Chemical Co., 100 Church St., New York 10007. Agrico is available in Canada.

AGRICO[®] COUNTRY CLUB FERTILIZERS
The Nation's Leading Fertilizer

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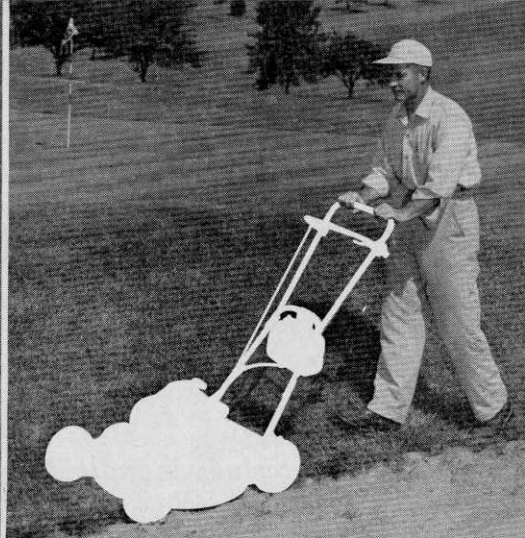
If you're a pro, you can tell it's a _ _ _ _ ![®]

For 52 years our name has been so common in the turf-care field that some might think we're trading on our past reputation to sell today's products. Not so! We don't have to show you a mower with our name on it to prove it's the best in the business.

In fact, we believe that with a close look at the job being done and a few details about performance, you'll *know* what kind of machine is at work. You'll be able to tell our mowers from our competitors'. In other words, if you're a pro, you can tell it's a _ _ _ _ !

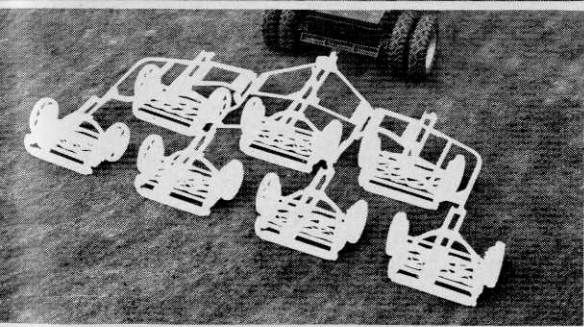


For more information circle number 117 on card



(ABOVE) This is the 21" WHIRLWIND® . . . the only mower that really combines home owner handling ease and industrial ruggedness. Ideal for trimming around traps. It ignores uneven ground. All-steel housing, 4 hp engine. Four hour gas tank, self or hand-propelled.

(LEFT) No mistaking this mower for anything else. The GREENSMASTER® has become the standard by which others are measured. Free-floating cutting unit hugs the ground and eliminates digging and gouging. Available with rollers, combs and brushes that make it adaptable to any green condition.



(BELOW LEFT) Here's the famous SPARTAN® gang and frame combination that's unmatched for low maintenance. It spends its time on the turf . . . not in the shop. The universal frame handles 3, 5, 7 or 9 gangs. Each mower adjustable from $\frac{3}{8}$ " to $2\frac{3}{8}$ ", has 1:1 frequency of clip, 16" wheels.

(BELOW) The PARKMASTER® and 7 gang-mower has speed and flexibility unlike any other combination on the market. Its quick-acting hydraulic system picks up mowers to get around obstacles, drops 'em down again to cut a full 15 foot swath. Climbs 2:1 slopes, mows at up to 10 mph, travels up to 40 mph on the highway.

†Exclusive trademark of Toro Manufacturing Corporation

