



Quieter than a private conversation.

Shhhh.

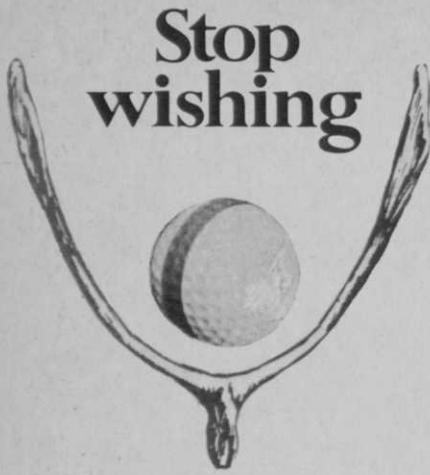
This is the quiet gasoline powered golf car. Running, it's fifty percent quieter than any other gas car. Quieter than a voice in normal conversation. Standing still, it does just that—stands absolutely still. The exclusive

Harley-Davidson instant ignition starts and stops the engine as you press and release the accelerator. No noisy idling. No revving. You'll hear all the putts drop. And you'll even hear the muttering about the one that

didn't on your way to the next tee. Get the full story, gas or electric, from the quiet Harley-Davidson dealer in your area. Harley-Davidson Motor Co., Milwaukee, Wis.

Harley-Davidson

For more information circle number 269 on card



Stop
wishing

...and
bank on

the world's perfect
solid state range ball.

At last, a solid state ball that is indestructible.

This uncuttable ball has tremendous feel and click, and will give your customers much greater distance and eventually give you greater profits.

**RANGE
BALLS**

\$3
dozen
(or \$2.75 cash with order)

Sound great?

Cut out this coupon today for increased profits.

**ATLANTIC GOLF
EQUIPMENT CO.**

4210 SOUTH DIXIE HIGHWAY
WEST PALM BEACH, FLORIDA

Name
Company
Address
City State Zip

For more information circle number 275 on card

Emerson

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3) The authority to establish prices and hours of service with the approval of the president;

4) The right to delegate authority to department heads when consistent with club policy;

5) The authority to promote employees, set pay scales and to otherwise maintain good employee relations;

6) The coordination of activities and functions;

7) The limits which are placed on his authority;

8) Provisions for adding duties.

Areas of supervision: This is the single area that will show the wide variance among clubs. In the interests of good management, however, the manager should be given the widest control possible within the limits of his abilities and the policies set by the club.

Manager's place in club's organization: The job description should carefully spell out the reporting relationships, both upward and downward. Upward to the committees, the board and the officers; downward to department heads and staff. This should be done both verbally and in an organizational chart.

Measures of performance: Depending on the amount of responsibility and authority granted the manager, his performance can be measured in several ways. The best of these is through member satisfaction expressed by:

- 1) Dollar usage per member;
- 2) Visits per member;
- 3) Compliments;
- 4) Complaints;
- 5) New members gained;
- 6) Members lost by resignation (other than transfers);
- 7) Achievement of budget goals;
- 8) Operating percentages compared with previous years;
- 9) Employee morale;
- 10) Quality of information provided to board and committees and the promptness with which it is made available.

**Beauty
Reflects Their
Performance**



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For more information circle number 265 on card



To keep your golfers comfortable, mother them a little.
Leave JOHNSON'S Baby Powder* in the locker room.
Or near the showers. Anyplace they can find it.
JOHNSON'S Baby Powder dries up perspiration and
leaves a cool feeling. It keeps clothes from chafing and
feeling sticky. Matter of fact, it makes golfers feel
comfortable all over. So comfortable their scores
might even drop. Then you'd feel good, too.

Be a mother to your members.

*If your regular supplier doesn't handle JOHNSON'S Baby Powder, write to
Johnson & Johnson, New Brunswick, New Jersey 08903.

For more information circle number 257 on card



NOW Warren brings you Warren's A-20™ Bluegrass

The ideal grass for tees, approaches and collars. Takes short cut. Grows upright, gives better support to ball. Resistant to leaf spot, mildew, rust and stripe smut. Develops less thatch. Greens up earlier, stays green later.

Golf courses from coast to coast for years have planted Warren's Creeping Bent stolons for the finest greens in America. Clean, pure strain Warren's stolons provide perfect, even texture and color. Greens planted with seed do not hold their uniformity of color and texture as well as greens planted with stolons.

And Warren research has now made available the new grass, A-20, with the same high quality, for tees and aprons of greens. A-20 has been tested and rated excellent or superior by leading universities.

Write for specific information about A-20 Bluegrass and Warren's stolons.



For more information circle number 232 on card



Answers to turf questions

by Fred V. Grau

Turfgrass interests united

The idea of a unified voice for turf has been discussed for many years. Until there was recognition for this newest agricultural entity, there was no point nor any chance of developing a voice. In the first place, no one would listen. In the second place, the dedicated workers in turfgrass were too few and too far apart (geographically and mentally) to develop unanimity.

Perhaps no one ever will be able to pinpoint the precise time in turfgrass history when the idea of a turfgrass council was born. Pennsylvania's Turf Advisory Committee, long headed by the late Joe Valentine, began about 1930 and, soon after 1950, gradually integrated into The Pennsylvania Turfgrass Council. Its first meeting was held in April 1955. Year by year its position has strengthened and it has served as a model for other coun-

continued on page 16

Trash?
Litter?
Leaves?

Try
Winro™

Big Wheel Turbo Blast Blower

Indoors, outdoors—parks, shopping centers, anywhere litter accumulates—find out how WINRO makes collection faster, easier, thorough.

- 20" Big Wheels roll easily over any surface.
- Big dual front casters make maneuvering easy.
- Forward or side air discharge with hand lever diverter.
- Handles fold for compact storage or hauling.
- 4-inch flexible hose carried on frame, ready at any time for use in hard-to-get-at places.*
- Washer kit for misting or washing action.*

* Optional accessories

Powerful 7 or 4 H.P. motor, rugged ¼" steel impeller. 3 ways to regulate force of air discharge. Complete new design makes WINRO adaptable for many litter and leaf collection jobs. Write for illustrated brochures, specs or demonstration.



A full line of BILLY GOAT Vacuum Units is also available from the makers of WINRO.

BILLY GOAT
INDUSTRIES, INC.

Dept. 606 P.O. Box 229 • Grandview, Missouri 64030
For more information circle number 252 on card

AT SEDGFIELD COUNTRY CLUB
Greensboro, North Carolina
Supt. HOMER WITHROW says:



"I've found that 'Tersan' OM prevents and controls all my major disease problems, when used in a regular preventive spray schedule. 'Tersan' OM is safe to use, even under adverse conditions, and causes no inconvenience to golfers. After 4 years of use, I know I can depend on 'Tersan' OM for good results."



Tom Case (right), Professional at the Sedgefield Country Club, congratulates Superintendent Homer Withrow (left) on the fine shape of his course, which is the site of the Greater Greensboro Open.

"Excellent disease control with 'Tersan' OM helps keep my course in good condition, even for big tournament play," continues Superintendent Withrow.

Golf course superintendents like Homer Withrow throughout the country know from experience that they can rely on Du Pont Tersan® OM turf fungicide for an effective preventive disease program. "Tersan" OM, a thiram-organic mercury combination, offers time-proven prevention and control of Large

Brown Patch, Dollar Spot, Copper Spot and other major turf diseases. It has a large safety factor to turf even under adverse conditions.

For full information on "Tersan" OM and other dependable Du Pont Turf Products, just call your golf course supplier...your service agency.

With any chemical, follow labeling instructions and warnings carefully.



Better things for better living... through chemistry

For more information circle number 136 on card



Long Play™

SOLID GOLF BALLS

A NEW CONCEPT IN GOLF BALL ENGINEERING
FULL REGULATION SIZE
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LPR 60
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MB-1
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LONG PLAY GREEN (High Compression)
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LONG PLAY RED (Low Compression)
ECONOMY RANGE BALL YELLOW
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ECONOMY RANGE BALL WHITE
SUPER RANGE BALL WHITE
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UNBREAKABLE PLASTIC TEES 1 1/8" lg.
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\$2.50/M (25M min.)
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(Please mail reference with order to avoid delay of shipping)

ACCO, INC. 312-552-8004
219 E. South St., Plano, Ill. 60545

For more information circle number 210 on card

Lo-Blo, the Air-B Room®

keeps courses tidy year around, handles the leaf problem, permits play all thru Fall Season.

LO-BLO is made in sizes for every need . . . 4, 6, 8 hp models, a large self-propelled model and a 4 fan tractor mounted and powered model.

**8 HP
HEAVY
DUTY
MODEL**



SAVES TIME, LABOR, MONEY AND MUSCLE

• Grooms greens, aprons, traps faster, better than six men; cleans leaves and litter around Clubhouse & Parking Area (right under cars). Especially valuable for Fall leaf problem.

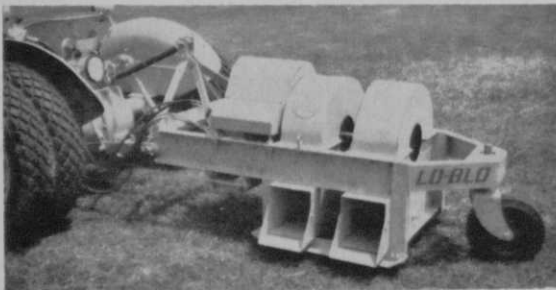
• Removing aeration plugs is a breeze for the Lo-Blo, only one of its many uses. You just walk this terrific blast of air "windrow" style, blowing litter to a central point for gathering.

ATTACHMENTS: 10 foot 6" dia. Hose puts blast at places hard to reach or clean; Forward Deflector for curbing or walls; Highway Joint Deflector; Snow Blade; Blo-Wash Unit.



SELF PROPELLED MODEL

LO-BLO MODEL 30 PTO . . . ONE MAN DOES THE WORK OF A CREW



**4 FANS BLOW
LEFT OR RIGHT
TRACTOR MOUNTED
& POWERED**

Designed to sweep leaves, litter, debris from ditches, open terrain, wooded areas into adjacent dumpsites, windrows or piles for pickup or burning. Can be used to blow areas dry so that work or play may continue without delay.

Blower consists of 4 fans spaced and mounted in two separate housings. Controlled by one lever from operator's position on tractor (complete self contained hydraulic system). Uses standard 3 point hitch #1 or #2. Needs live PTO drive of 30 hp or more.

For complete information and literature:

Box 68-G

ATWATER-STRONG CO., INC. • ATWATER, OHIO 44201

Phone 216/947-2344

For more information circle number 242 on card

Grau

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cils in other states, many of which have followed very closely the pattern set by Pennsylvania.

As individual states and regional groups of states develop support for the turfgrass industry through a council (or an equivalent organization), we will begin to have a basis for a truly unified national voice for turf. It remains for the leaders in each area and in each council to bring together their ideas, their hopes and their aspirations for the benefit of all. It will mean increased support for the agricultural universities in research, teaching and extension, and it will bring every taxpayer into closer association with legislative bodies who control the tax funds which, in part, deserve to be channeled into turf, one of the first concerns of a taxpaying public who may be said to epitomize urban agriculture.

Q.—We plan to lay a great deal of sod this year. We have had conflicting recommendations about preparing the sod bed. How would you do it?

(Maryland)

A.—The first consideration is limestone. Apply enough finely ground dolomitic limestone to bring the pH value to 6.5-6.7. Incorporate the limestone several inches deep. Calcium moves very slowly in the soil. Phosphorus also moves slowly so get it worked in before the sod is laid. Superphosphate (20 per cent) at 1,000 pounds to the acre (25 pounds to 1,000 square feet) is fairly standard. It may be incorporated with the limestone. The only other immediate consideration is nitrogen. Slow-release material (38-0-0 ureaform or equivalent) is favored for its lasting effect. Apply not less than 10 to 12 pounds to 1,000 square feet raked

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Up, up



and away!

The new Cushman Big Bed Turf-Truckster has more carrying capacity than ever before. With a longer, wider 53" x 57" bed, the Big Bed can handle two mowers with ease, or 1000 pounds of anything else you care to put in it. And the optional slide-away ramp makes loading and unloading a snap!

Whatever the load, the Big Bed is designed to hump it or dump it. To hump it, this vehicle has a rugged 18-hp. engine and a six-speed dual-range transmission. So there's power enough to pull gang mowers. And a top speed of 22 mph.

To dump it, the Big Bed has a special ratchet mechanism that allows one man to dump the entire 1000 pound load. And there's even a special tailgate that opens from the top or the bottom (for metering out sand, gravel, or top dressing).

But the Big Bed isn't simply a humpty-dumpty machine. Equip it with optional side spot lights, and it's ready to go out on the darkest nights. Or add our special spray unit, and it's a compact self-contained rig for spraying trees, fairways, or greens.

Send the coupon today for a free Big Bed Turf-Truckster brochure. Or, better yet, call your Cushman Distributor. He'll give you a free demonstration on your own course.



CUSHMAN MOTORS

1090 N. 21 Street
Lincoln, Nebraska.

A Division of Outboard Marine Corp.

I'd like your complete Turf-Truckster file, please.

Name _____

Address _____

City _____ State _____ Zip _____

For more information circle number 276 on card

Windsor "plays" better

This improved variety of Kentucky bluegrass feels like velvet—but with resiliency. The ball sits on it invitingly. It forms dense turf that repairs itself rapidly. It can be cut safely to any height. Needs no pampering. Not surprisingly, it is being planted on more and more courses, coast to coast. For technical information, write Scotts, Golf Course Div, Marysville, Ohio 43040.

For more information circle number 263 on card

WORLD'S MOST DESIRABLE IRRIGATION SYSTEMS

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AUTOMATIC GOLF COURSE IRRIGATION

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Asbestos-Cement
IRRIGATION PIPE



For more information circle number 188 on card

Grau

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into the surface inch or two of soil. Potash, if needed, may be applied later in maintenance since it is soluble and it moves easily downward.

Now, smooth and firm the sod-bed—and lay the sod.

Q.—We are continually bombarded by advertisements, leaflets, radio and newspaper ads that say this grass and that grass are the very best. The fact that they are more expensive is beside the point—if they are better. Where can we get the unvarnished truth?

(New Jersey)

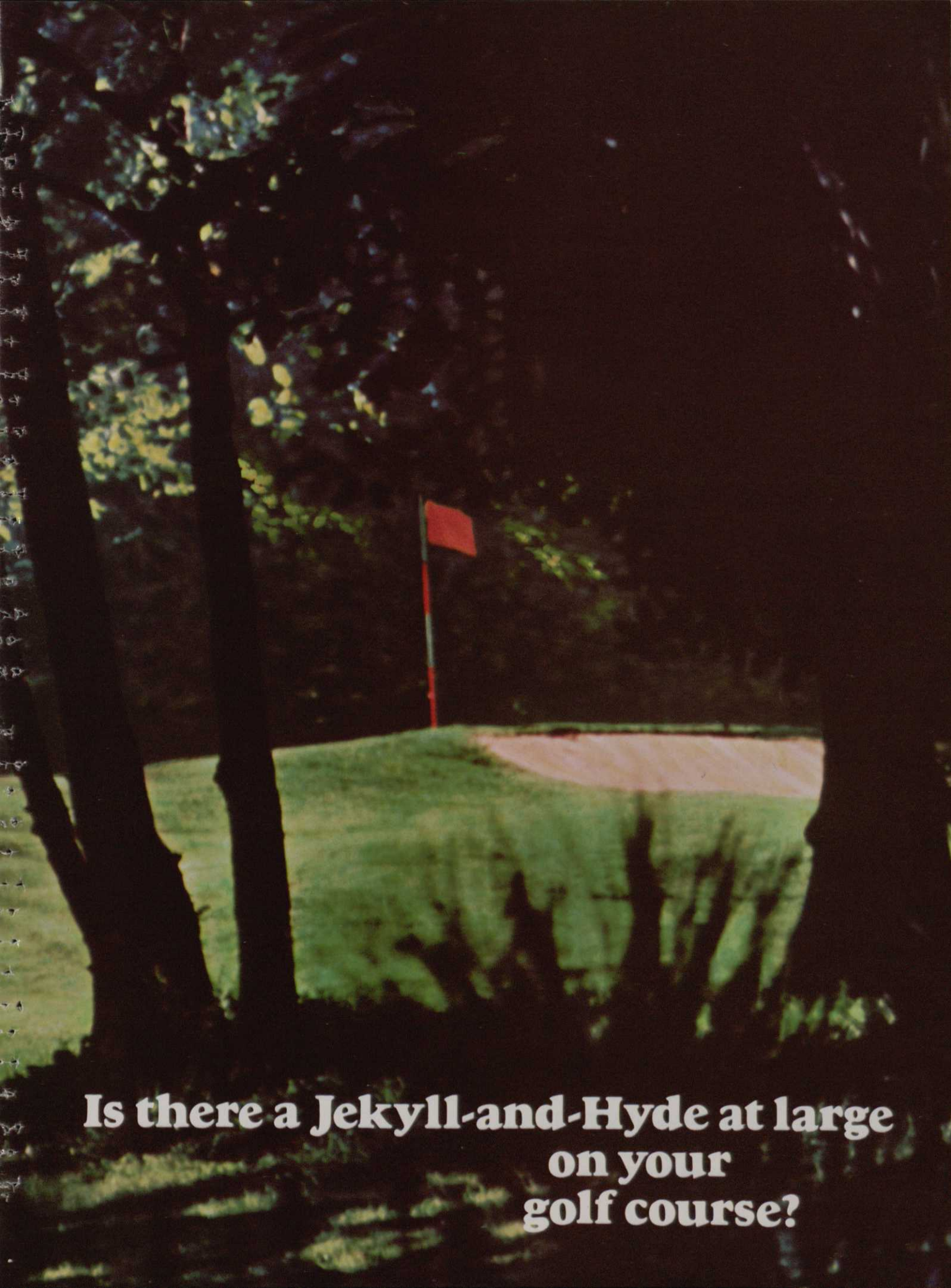
A.—Go first to your county agent; he usually has an office in the county seat. Next, through the agent, seek the help of the extension specialist in turf. In most cases you need go no further. Both rely on the research personnel at the university level, who determine by unbiased tests the qualifications of all important turfgrasses. Also you may seek advice from turfgrass associations or councils. If you keep asking, the chances are good that you will get an answer.

Q.—Several years ago you strongly recommended "hydroseeding" for overseeding thin turfgrass areas and for establishing new areas. Have you changed your position in any way?


(Kentucky)

A.—No. Hydraulic distribution of seed, fertilizer, lime and other materials has much to recommend it—simplicity, uniformity, rapidity. Results speak for themselves. Buck Whetzel, now with Fairfax County (Va.) Park System, formerly at Tantallon-on-the-Potomac, has purchased several hydroseeders, one for each golf course. □

For more information circle number 135 on card



**Is there a Jekyll-and-Hyde at large
on your
golf course?**



Spring:
fast-growing,
thick, and green.

Don't let *Poa annua* turn on you.

Poa annua can become your worst enemy overnight. Begin the Balan Plan for Poa annua phase-out. You'll get rid of Poa gradually, without harming desirable turf.

Poa annua (annual bluegrass) has been nothing but trouble for most golf course superintendents. Try to hold *Poa annua* all season and it browns out when you need it most. Try to eliminate it and you learn what frustration is all about.

ALL THAT'S CHANGED NOW. Pre-emergence Balan Granular now has USDA registration for

use in controlling *Poa annua* on established turf. Balan delivers the degree of safety and dependability a prudent man looks for. And economy, too. Balan's the predictable herbicide formulated to give the response you want.

With Balan you can steadily reduce your stand of *Poa annua*. Applied prior to germina-