

balanced than the former organic fertilizers. The preferred commercial fertilizer, of course, depends upon the condition of the soil.

### Getting Seeding Results

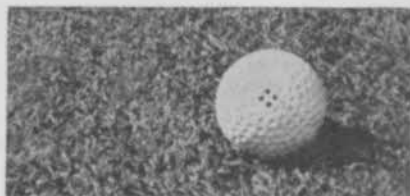
Proper conditioning of the seed bed is fundamental. This is the foundation of successful growth. Poorly conditioned seed beds will not permit maximum growth and the result, or rather the lack of it, is apparent with the first stand of grass. Proper cultivation of the soil prior to seeding also helps to encourage a suitable growth of grass before freezing weather.

Late summer seems to be the ideal time in which to seed fairways and greens. The rays of the sun during the preceding months have properly warmed the soil. The lengthening nights and shortening days are favorable to growth. The fall rains and cool nights are beneficial to seed germination.

Reseeding fairways seems best done with a disc drill. However, it is a mistake to believe that once or twice over the area with a drill is sufficient. Instead, the drill should be criss-crossed across the field until every square foot of turf has been properly covered. This action opens the soil and embeds the seed so that it will not be burned by the sun or washed by the rain. This operation also incorporates the fertilizers into the soil to provide immediate nourishment for the seeds.

Grass seed mixtures to a certain extent are matters of personal preference based on knowledge of the situation. However, a mixture of 70 per cent bluegrass and 30 per cent creeping bent has produced some of the finest fairways in the middle west. Also, a mixture of 60 per cent fescue and 40 per cent bluegrass has produced some fine results. Personally, I prefer the former mixture and do not recommend the use of red top or rye grass except for the purpose of showing quick temporary growth only.

To prepare putting greens on new courses it is wise to cultivate the soil continually throughout the month of August. This action has a tendency to discourage the growth of weed seeds. Vegetative greens, planted from stolons, usually produce a sufficient stand of turf to play over the following spring season. Seeded greens should be seeded about August 20th in the middle west in order to provide a playing surface the following May. Following seeding, it is well to top-dress the newly seeded area thoroughly. This action will help



*A Piece of Cocoas Bent Turf*

### For Your Fall Work

whether in connection with renovating or new construction, late summer or early fall (Aug. 15th to Oct. 1st) is by all odds the best time to sow seed.

*For Early Fall Sowing, We Offer*

## Grass Seed of Known Quality

TESTED for PURITY and GERMINATION

South German Bent  
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*Prices on the above, or any other turf producing grasses, such as Fancy Red Top, Kentucky Blue, Cheewing's N. Z. Fescue, Sheep's Fescue, Bermuda Grass, etc., upon request.*

**Cocoas Bent**—Use it on new greens or work it into existing greens, or wherever a fine and enduring turf is desired.

Per lb. \$2.50, per 10 lbs. \$22.50,  
per 100 lbs. \$200.00

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consists of imported and domestic grass seeds of the highest quality, that will produce a fine, uniform and enduring turf.

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In addition to Bent Seed, contains Kentucky Blue Grass, Superfine Red Top and Cheewing's N. Z. Fescue.

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*Other Special Formulas upon request*

**Remember:**—All our seeds are of the highest quality, obtained direct from the most reliable sources of supply and are botanically true to name. All seeds are new and are cleaned and re-cleaned until they are brought up to the highest possible state of purity and germination, special care being given to elimination of weed seeds.

*Without obligation we shall be pleased to send a representative who, from long experience, is qualified to advise regarding grasses and furnish such other information as is necessary for the best results.*

## Stumpp & Walter Co

Specialists in Golf Grass Seeds and Equipment

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# Walter Hagen says

"NEARLY one thousand professionals are now handling and featuring my golf clubs and balls. I feel that this is a genuine tribute to the Ultra Line.

"I can truthfully say that my ball is equal or better than any golf ball sold anywhere. The clubs that bear my name are the highest achievement in club making.

"I am sure that by featuring the Walter Hagen line in your shop you will arouse a newer and livelier buying interest among your members than you've ever had before."



protect the tender grass from the rigors of the winter and give surface necessary for true putting.

Experience coupled with scientific study provides the best guide to the solution of the problems of fall fertilization and seeding. The complexity of these problems is one of the factors which makes greenkeeping a science.

Greenkeeping is no longer a mere empiricism, nor a smattering of detached experiences, but it rests upon a substantial scientific foundation of rather well established laws. These fundamental laws or principles are numerous and often abstruse but we are able to understand their general purport and problems which a few years ago seemed to be hopelessly obscure and which perhaps were considered to lie outside the sphere of greenkeepers. Investigations now have developed into a system of clear and correct thinking, and the greenkeeper that thinks is a hard way to pass. Let him really and seriously *think* about his seeding and fertilizing this late summer and fall and the rewards in turf will be rich next year.

## 1929 Greenkeepers Show at Buffalo

ELEVEN thousand square feet of display space will be available for the second annual National Greenkeeper's Association show, to be held in the ballroom and foyer of the new Hotel Statler, Buffalo, next February 13-16, 1929, according to the announcement made recently by Fred A. Burkhardt, chairman of the show committee of the N. A. G. A. The available floor space is three times that of this year's show and will allow display of complete fairway mowing units, sprayers, in fact every article of golf course equipment used in construction and maintenance work. The show-room is immediately off the main lobby of the hotel, in which the greenkeeper's annual convention will be held during the same week.

According to Burkhardt, the committee will not increase the price of space over last year and promise the exhibitors the same efficient management as at Detroit.

In addition to the chairman the committee consists of John MacGregor, John Morley, Emil Loeffler, Al. Schardt, David Rees, and Lewis M. Evans. Particulars of the show can be obtained from Fred A. Burkhardt, 405 Caxton Bldg., Cleveland, Ohio.

# Turf!

On fairway and putting green the turf depends on soil, seed, fertilizer and care.

We can't provide the soil, or the care, but we DO provide grass seed, fertilizer, and chemicals that will produce the smoothest, closest, toughest turf on any soil, and with the least care.

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Fulname marking enables strict adherence to the rule against lifting a ball in play; it settles the question of ball ownership, in play or when lost; it saves every golfer money spent to replace lost balls and, above all, it puts an end to one of the most unsportsmanlike, dishonesty-breeding practices that ever crept into a national pastime—golf ball bootlegging by caddies. Fulname marking is imperishably permanent; many millions of markings have been made without any reported case of injury to the ball. It is adequate, unquestionable—the one logical method of golf ball marking.

## Pros—

You can repeat the above message to your players and open up a source of splendid profit.

## Club Officials

You can make a better club by adopting a club policy based on Fulname marking.

Write today for particulars of our Free Marking Machine Proposition.

THE FULNAME CO.

712 So. Rway. Bldg.

Cincinnati, O.

# "Question Night" Goes Big

By JACK FULTON, Jr.

THE Fattest Member, the Oldest Member and the Chairman of the Entertainment Committee were on the clubhouse porch one sultry evening watching the dancers on the outdoor dance platform. The day had been a scorcher, and only the youngest and most active of the members found energy enough to venture through the intricacies of the dance; everyone else sat about, hoping for a breeze to bring relief from the heat.

"Entertainment Committee, hmpff!" grunted the Fattest Member. "Lot you offer for my entertainment out here. Dances and dances and dances; nothing but dances!"

"The heat's beginning to get you," commented the Entertainment chairman.

"No, it isn't," spoke up the Oldest Member. "I know just what Charlie means. I've been a member of this club for thirty years and the only kind of shin-dig we've had out here has been just as Charlie says—dances. Why don't you get up some-

thing for us sedentary fellows once in a while?"

"What do you suggest?" asked the Entertainment chairman. "A bridge party?"

"Good lord, no! I get enough bridge during the week. This is a golf club, man, not a city club. Can't you get up something that has to do with golf?"

"Dunno," replied the Entertainment chairman. "I'll think about it."

About two weeks later the members received a notice through the mails, reading as follows. (See page 36.)

Naturally, the announcement aroused an unusual amount of curiosity among the members, and the Entertainment chairman was besieged with requests for further details, but he maintained a sphinx-like silence. "Better arrange to be on hand," was all he'd say.

On the evening of the great mystery entertainment the members found chairs in the lounge arranged as for a lecture. By 8:30 a curious throng had comfortably

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And it is also good business common sense for the Pro to push the Morley Yello Tee—

Because he will find that Morley passes along to the Pro a larger profit than he gets on any other high quality tee.

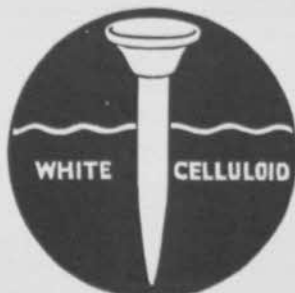
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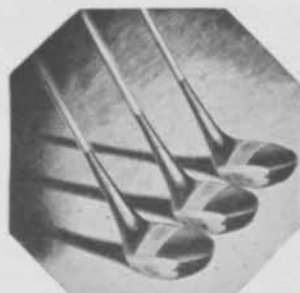
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*Clubs of Character for Every Golfer*

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White-Orange-Yellow  
\$1.00 each—\$10.75 per doz.  
Dura Dist guaranteed for  
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filled them, wondering what was in store. The Entertainment chairman stepped forward.

"Ladies and gentlemen," he began, "as chairman of the committee charged with the responsibility of offering amusement to you each week-end, I have been subjected recently to some scathing criticism. I have been told to my face, by some of our most even-tempered members, that my committee has failed to entertain them, for the reason that we have offered nothing but dances and they are not interested in dancing.

*The Entertainment Committee  
announces*

**A MYSTERY EVENING**

*for*

*Saturday, August 18th*

*No dancing*

*No movies*

*No cards*

*No vaudeville*

**SOMETHING DIFFERENT**

*If you don't play golf, you'll be  
bored, but—*

**IF YOU PLAY GOLF  
—DON'T FAIL TO BE ON HAND!**

*Handsome prizes for the five lucky  
participants*

*What can it be?*

*Better come and find out*

**8:30—IN THE MAIN LOUNGE**

### This Notice Drew a Crowd

"This was disturbing. Here we were, ostensibly an Entertainment Committee, and we were not entertaining our members. We decided we must be as ignorant of how to provide entertainment as the average golfer is of the rules of golf, which I think you will all admit is *some ignorant!*

"That brings me to the program of the evening. While my assistants pass out among you paper and pencils, let me announce that you are about to return to school. I hold before me 15 annoying questions concerned with the rules of golf. I am about to read them to you. In most of them you will be able to answer

with one word; for example, the correct answer to this question, 'Is it permissible, under the rules of golf, to accept advice from one's partner's caddie?' would be 'Yes.'

"For every question correctly answered, you will receive five points, a total of 100 for a perfect paper. The five best papers tonight will be given prizes. In case of a tie, I have a few more questions which will be asked the tying contestants until one or the other of them returns an incorrect answer."

Here are the questions the Entertainment chairman had compiled, together with a reference to the proper rule that answers each:

(1) *How far back of the tee-markers may a player tee his ball?* (Definitions: 3.)

(2) *In searching for his ball, a player accidentally kicks it. What is the penalty?* (Rule 12 [3].)

(3) *Suppose his opponent had kicked the ball. What would the penalty be?* (Rule 21 [3].)

(4) *Can a player stand out of bounds to play a ball in bounds?* (Rule 23 [4].)

(5) *Who decides whether a ball is, or is not, in an unplayable lie?* (Rule 22 [1].)

(6) *A player's ball stops in a pile of cut grass. Must he play from the pile, or may he lift out without penalty?* (Rule 11, decision.)

(7) *A player, having fished his ball out of a creek, drops it over his shoulder in approved fashion, but it rolls back into the water. What does it cost the player to redrop it?* (Rule 8.)

(8) *In stroke competition, a player strikes at a ball three times before he succeeds in driving it from a sand-trap. He then discovers it is not his ball. Has he incurred a penalty if he then returns and plays his own ball?* (Stroke rule 8 [3].)

(9) *In stroke competition, a player finds his ball in an unplayable lie, so he lifts with the usual two-stroke penalty. However, instead of dropping the ball over his shoulder, he sticks a wooden tee into the fairway a yard away and plays his ball from it. Is this permissible, and if not, what should he have done?* (Stroke rule 11 [2].)

(10) *In a match play event, a player's putted ball hits the flag-stick which is in the hole. What is the penalty?* (None.)

(11) *In a medal play event, a player's putted ball hits the flag-stick which is still*

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The ROYER transforms it into a stream of completely mixed and pulverized topsoil—

And Loads It—thus eliminating another handling. Thorough, quick, and economical.

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in the hole. What is the penalty? (Stroke rule 13 [1].)

(12) Is a player entitled to remove a dead leaf from the putting green if it is in no way in his line of putt? (Rule 28 [1].)

(13) A player, in a sand trap adjacent to the green, is nearer the hole than his opponent, whose ball is on the putting surface. Which should play first? (Rule 7.)

(14) What is the penalty for lifting a ball from casual water in a hazard? (Rule 27 [1].)

(15) Where may the ball be dropped? (Rule 27 [1].)

(16) Can a loose rock be removed from its position within a few inches of a ball in the rough? (Rule 12 [1].)

(17) In match play, a player putts when his opponent, whose ball is farther away, should have done so. What is the penalty, if any? (31 [2].)

(18) A player's caddie rushes into a trap to hand his player a club. Does the player suffer a penalty for this act? (No. Breach of etiquette only.)

(19) Is a ball considered in casual water if a player must stand in casual water to play it? (27 [4].)

(20) What are the maximum and minimum lengths of a par-4 hole under U. S. G. A. recommendations? (445 yds.; 251 yds.)

The questions were asked one at a time, of course, with sufficient time between each pair to allow the answer to be written. The chairman also found it advisable to request the members to refrain from cribbing from their neighbor's paper.

The answer slips were collected and marked by three members of the Entertainment Committee. To fill in the time until the winners were announced, the chairman arranged for the club pro to deliver a short talk on putting, a subject selected because of its universal appeal to all present.

The evening proved so intensely successful that two other similar evenings have been held, with somewhat different types of questions asked. In the one, the series was based on the club's history, with such questions as: "When was our club organized?" "How many acres of land do we own?" "What did our clubhouse cost to build?" On the second evening the chairman read a running story of a golf game in which both contestants violated



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a number of rules of the game, and the members were asked to decide which player won the match.

There are innumerable variations of these evenings, and any of them are worth trying at clubs where entertainment features in the past have consisted, as the Fattest Member complained, of "dances and dances and dances."

## "THE MAKERS SAY"

### Lecco Tells Experience of Users.

MANY greenkeepers still wonder whether it is possible to get along without a compost pile. Quite a few others—greenkeepers not tied down by a lot of traditions anent the raising of grass,—have discovered that it is not only possible to do away with a compost pile but that such procedure is the most effective method of producing a set of uniform, healthy, fine, thick turf greens of a rich shade, says the Lyman Carrier organization.

The experience of Grange Alves, pro-greenkeeper at the Acacia Country club, of Cleveland (Ohio) district, ought to prove interesting to anyone vested with the responsibility of raising fine turf.

Alves has done away with the compost pile at Acacia. In his own words this is the result—"This year everything is Heaven around the course. Everybody, the green committee chairman, officers of the club and the members are more than pleased with the excellent condition of the green." Acacia, according to both Alves and the assistant greenkeeper, H. W. Smith, is freer of weeds and clover than at any time since the opening of the course in 1924. The course has had hardly any brown patch.

All Alves uses on the greens at Acacia is Lecco, and sand. The sand, free of pebbles and sediment, is used as a top-dressing. The sand is distributed with a Stumpp & Walter top-dresser and rubbed into the turf with a cocoanut mat. The Lecco is applied by hand. Alves has been applying 60 pounds of Lecco on a green of 5,000 square feet. On a green of 9,000 square feet, he has applied 80 pounds.

Prior to the introduction of Lecco and sand, one half catcher full of grass cuttings were taken from the smallest green. Lecco and sand were first used in April. Three or four days later, the grass cuttings jumped from half a catcher full to four catchers full. The second application went on in June. In one week's time, an

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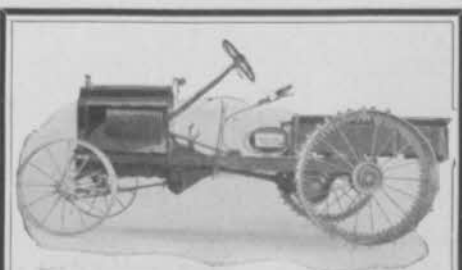
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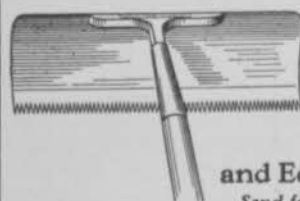
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The Peerless Lawnmower Sharpener grinds all makes of Power, Horse and Hand Mowers in 20 to 30 minutes, with razor-like edge, giving any desired clearance or bevel. Mowers run easier, less power required, hence more speed. One owner reports they have dispensed with one man. Another writes: "The Peerless Sharpener saves us \$700 to \$800 annually." Write for Catalog and list of users.



**The Fate-Root-Heath Co.** 888 Bell St., Plymouth, O.

average of seven catchers full of cuttings were taken from the green daily. On July 11 there was an average of eight catchers full of cuttings throughout the course.

In past seasons Acacia spent much time and labor weeding out the greens by hand. No hand-weeding has been necessary this year. Acacia at one time was troubled with brown patch. Only one spot has appeared this year and that quickly disappeared after two or three applications of Lecco.

The No. 6 green at Acacia exhibited signs of going bad in May. Alves decided to disc this green. Accordingly, the green was disced four ways and then given a top dressing of Lecco and sand. It came back in one week. Today it is the best conditioned green on the course.

The soil around the Acacia course is very poor for top dressing. It is very rich and clings when wet and cakes when dry. Acacia tried this soil on its greens last year, much to its sorrow. According to Alves, this top-dressing shut off the air from the roots and prevented the grass from breathing. The sharp sand and the sharp materials in Lecco have succeeded in breaking up this silty soil, thus opening up the aeration system. Plants must have air to live. Not to give them air is like painting the body of a human being with several coats of paint and stopping up the pores.

The grass at Acacia is growing so abundantly this season that it is with difficulty that the mowing squad keeps up with this growth.

One of the most conservative greenkeepers in the country is W. H. ("Bertie") Way of the Mayfield Country club, Cleveland. Way, like Alves, has had little use for a compost pile this year. Way has applied 15 tons of Lecco to the greens and fairways at Mayfield and the course was never in better condition. Mayfield has always been noted not only for its greens but fairways as well. Way says, "I have used Lecco on all greens and fairways at the Mayfield Country club and like the result very much."

The first application went on the Mayfield greens and fairways in May. The growth of grass was immediately stimulated and gradually the weeds began to disappear. While Lyman Carrier recommended only 50 pounds of Lecco to an average green of 5,000 square feet, Way decided to experiment on his own hook. On some of his larger greens he applied only 30 pounds of Lecco. On smaller ones he applied 70 pounds.

The most startling thing Way did was to give the No. 2 green, smallest on the course, 150 pounds of Lecco in one hour. That was on July 5th. The green at that time was brown in color and Way be-