

Pine Lake Improves Course



PINE LAKE'S BEAUTY IS ENHANCED BY THE LAKE FROM WHICH IT IS NAMED



ERNEST WAY
Pine Lake green-keeper

PINE Lake Country Club, located near Pontiac, a suburb of Detroit is one of the most beautifully situated golf layouts in the middle West. Under the able leadership of Mr. A. J. Prentice who is serving his second year as president the club has taken on new life and enthusiasm. In addition to house enlargements many changes and improvements

have been made in the course under direction of Ernest Way, pro-greenkeeper.

The first of these changes come with the third hole where the tee has been lengthened, and a poorly hit ball is now caught by the ditch crossing the fairway about 125 yards from the tee.

On No. 6, with the fairway lined with trees on both sides, a new tee adds 20 or 25 yards, materially increasing the golfer's difficulties, since this two-shotter ends with slight dog-leg, and a full 200 yards or better will be required to play a second shot to the green.

A new tee has also been built for the ninth hole, lengthening it by 20 yards, and fast-growing Lombardy poplars have been set out to keep the boys straight with their drives.

No. 11 has been lengthened so that hole now

measures about 435 yards. This par 4 hole is a decided dog-leg, and even the longest hitters will now take their heaviest bludgeons in order to be up for the second to the green.

The third and eighteenth greens have been put into bent, and a noticeable improvement is observed, especially on No. 3, which with its decided slope had been too fast.



A. J. PRENTICE
President Pine Lake Country Club

Willie Park Was Architect

PINE Lake course was laid out by Willie Park in 1915, but the present 18 holes were reconstructed seven years ago. While the land is flat, fifty per cent consisted of virgin forest,

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HENRY H. DOTY

Highland Park, Illinois

giving the golf architect an excellent opportunity to plan four or five fairways lined by beautiful trees and giving a splendid setting for the greens.

Several of the fairways consist of a light sandy soil and these holes have been watered artificially for the last three seasons with splendid results. The fairway grasses are mostly redtop, blue grass and fescue, while the grass on the greens and tees is Norfolk bent.

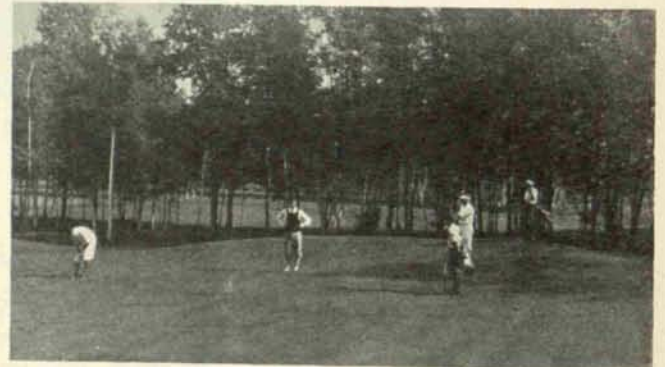
The trees which divide most of the fairways have added greatly to the beauty of Pine Lake, and, incidentally, have created havoc with golf scores. However, as each spring rolls around the members note new tree plantings around the course, indicating that the development in this respect is not yet complete.

Lombardy Poplars Are Used

IN LANDSCAPING the course, Lombardy poplars have been used extensively on account of their beauty and the fact that the branches are not scraggly, the leaves come out early in the spring and remain until play is practically ended in the fall and being small the leaves blow off the course. These qualities make the Lombardy poplar an ideal tree for golf courses. Norway maples and elms come next in order. Over one thousand trees and some twelve hundred pieces of shrubbery have been planted during the last three years which

are now maturing and promise to be a great asset to the club.

The greenkeeper, Ernest Way has made a specialty of economy in upkeep and changes made on the course are done with this in mind. The surrounding territory about the greens is so shaped as to enable the use of large mowers, thus reducing hand labor. Also the planting



NUMBER 2 GREEN, PINE LAKE COUNTRY CLUB

of trees and landscaping is placed only where the work of the large mowers will not be interfered with.

While Mr. Way uses some compost he is a strong believer in chemical fertilizers, in fact he believes he has discovered one of the best chemical fertilizers for bent or any grasses used on greens or fairways. This fertilizer possesses wonderful qualities and is splendid for weed control and unexcelled in the treatment of brown patch.

The greenkeeper crew consists of nine men including the superintendent and the course is divided up allotting each man a certain portion to take care of, thus creating competition. The mowing equipment consists of two tractors and two gang mowers, while Pennsylvania hand mowers are used on the greens.



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Beware of False Idols

By ROBERT A. GARDNER

Former American Amateur Golf Champion

GOLF'S charm is being imperiled by two false idols, according to Robt. Gardner, former president of the Chicago District Golf association, former member of the U. S. Walker Cup team, and United States national amateur champion in 1909, who spoke at the April meeting of the Midwest Greenkeepers' association held at Great Northern Hotel, Chicago.

Standardization of golf course design and maintenance and the strenuous efforts being made to eliminate the element of luck, Gardner named as the two factors that, in his opinion, were inclined to take zest from playing.

In designating the condition of the greens as the most important item in greenkeeping Gardner stated that as putting put the premium on skill rather than on the "lucky breaks" it was essential that a golf course to rank high must have its greens in such condition that a stroke rolled exactly as it was played. He cited the excellent condition of Skokie's greens in 1922 as the deciding factor in the U. S. G. A. award of the event to the Glencoe club, although parts of the course were obviously of old-fashioned design. As a member of the U. S. G. A. course selection committee Gardner spoke with authority on the necessity of first class greens.

Today's tendency with bunkers, he stated, is to make them pretty, rather than penalties for poorly played shots. He cited numerous instances where the effort to provide a picture instead of placing emphasis on penalizing poor play had resulted in traps that shots would roll through or that shots could be played out of with practically no loss of distance or direction. He pronounced traps around greens that allowed playing out with a putter, as one of the grave errors in design and as deadly to one of the game's most exacting and satisfying shots.

ROBT. A. GARDNER began his athletic career as Yale's champion pole vaulter. In 1915 he won the Amateur Championship at the Country Club of Detroit, defeating John G. Anderson in the finals. He is an ardent student of golf course conditions.



The old style architecture had the virtue of making a trap mean a penalty, remarked Gardner, who named the Chicago Golf club as a place where tough traps existed in the Chicago district.

"What fun is there in winter rules?" asked Gardner in talking on the thrill of a lucky bounce as one that was as delightful to the star as to the dub. He spoke of such games as tennis and billiards as putting so much of a premium on skill and so little on good fortune that they were out-ranked in player favor by golf. This slant on the game was a rare one to be heard by the greenkeepers for the usual tale that comes to their ears about fairways is a complaint if the turf is not as even and as thorough as that of the greens.

Gardner also expressed the opinion that except in the case of tees on short holes, the players were penalizing their budgets by their demands in tee maintenance because the general idea is today that the tees must run the greens a close second in evenness and condition.

Helpful Hints

Some practical advice from experienced greenkeepers on golf course maintenance. No guesswork here

Checking Crab Grass

Now is the time to be on the lookout for crab grass, especially through the south.

I have one man that I send over my greens every morning with seed mixed with good top soil. After cutting out the grass he drops in a little soil and smooths over. In this way crab grass cannot get ahead of you and at the end of the season your greens will be in good condition.

I have known greenkeepers to neglect this work and have to plow up and replant their greens in the fall.

ST. SIMONS ISLAND GOLF CLUB HUGH C. MOORE,
BRUNSWICK, GA. GREENKEEPER

Watch Your Machinery

Golf course equipment costs a great deal of money. It should get the best of care and attention to make it last and do efficient work.

Don't neglect draining your oil in power machines every week; it adds life to the motor. Be sure the working parts are cleaned and greased each day; it will help keep the cost of maintenance down.

It is a very good plan to mark your machines and make a man responsible for his mower or tractor. He will take better care of his equipment if he knows he will be using the same machine all through the year.

Do you realize that a tractor that is mowing fairways twice a week covers 1500 miles a year? Then think of the number of times the reel blades pound the bed knife during one year of cutting. Be sure your reel is just touching the bed knife enough to cut grass clean, to set the reel tight to bed knife cuts down the life of the mower. The continuous pounding is felt through the whole machine and every part takes some of the wear.

Don't forget that a mower that is not cutting clean will bruise the ends of the grass blades and you will have brown-tipped grass ends and that does not look so well on a putting green.

BUTTERNUT RIDGE G. C. HARRY A. BURKHARDT,
NORTH OLMSTEAD, O. GREENKEEPER

Odd Jobs Here and There

Screen your sand that you use in your top soil through a $\frac{3}{16}$ inch mesh screen. It makes a finer top dressing and better putting surface. Use the grits on any walks and roads you may have.

Keep up the agitation for a shed to house your top soil. This is the time of the year that shows the need for one, when top dressing is most essential, and the soil is slow drying out.

Adjust your putting green mowers to cut about as close as they will cut at this time; you can raise them later.

Feed the greens freely at this time; now is the time they need it to form a dense turf.

Now is the time to begin your turf nursery. Seed at once, or if you want stolens, prepare the ground now and plant the stolons in May or early June.

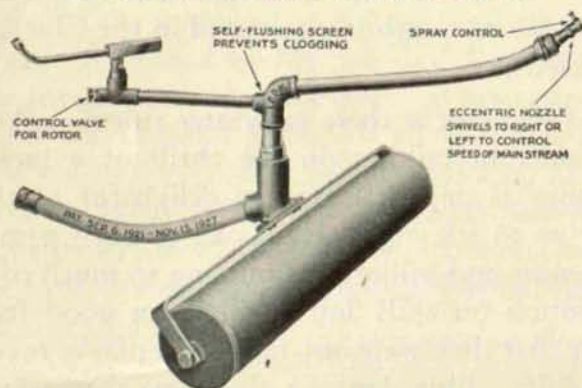
If you want to keep your tees in good order, make a practice every Monday morning, to fill the divot holes with soil to which has been added a goodly quantity of grass seed. Fill level and press down with the foot. You will be surprised how well your tees will stand up, especially if you will give them a little water from time to time, in dry weather.

If you have spots on the fairways that are a little weak now is a good time to top dress them with soil to which has been added plenty of bone meal or some good balanced fertilizer.

Now is the time to sow flower seeds for cut flowers for the club house tables later on. Also plant dahlias, gladiolas and peonies; these latter will make a good

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GREAT NECK, L. I. GREENKEEPER

Fertilizing with Sulphate

I notice you are running a Helpful Hint column, so am sending my idea as to a useful and ideal way of fertilizing greens with sulphate of ammonia.

Many greenkeepers think it is necessary to have a high pressure spray machine which is all right if you can afford it, while others use just a common ordinary garden sprinkler or spray barrel.

The most convenient, easy to handle way as I have found is just a hose with a branch like a "T" that goes in the sulphate of ammonia mixed with water in the proper way. The container or the hose may have a check valve to regulate the amount of sulphate to be turned into the water line.

Care should be taken not to turn too much sulphate of ammonia into the line, because the air and suction in the hose due to the stream of water flowing through will draw the sulphate of ammonia very rapidly from the container. With this method you are receiving the same results that could be had from others more complicated and extensive.

ALBERT LEA COUNTRY CLUB OSCAR JEPSON,
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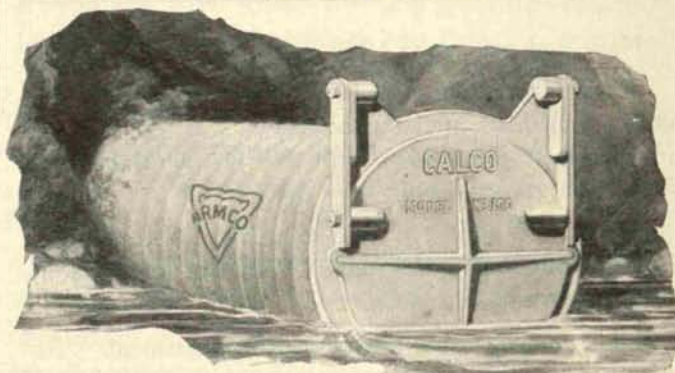
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JOHN QUAIL SAYS:

Have you paid your 1929 dues? If not, why not?

There is probably a greenkeeper in your district who is not a member of the association. Call on him and invite him to join. He is probably just waiting for an invitation.

"Helpful Hints" in last month's GREENKEEPER brought out some good ideas. Why not send in some of your own.

Did you pay your Death Benefit assessment? Remember that you only get out what you put in. If only half pay up, the beneficiary will receive only half of what they expect.

It is with deep regrets that we heard of the death of Mr. J. Barker Smith, President of the Club Managers Association, in the Cleveland Clinic Hospital catastrophe. You will remember Mr. Smith as being one of our own speakers at the banquet in Detroit. Mr. Smith was a very close friend of John Morley. They worked together for quite a long time. Although not a member of our association, we feel that he was very close to us as he has spent many years in country club work and has always upheld and supported the

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greenkeepers. The Association expresses its sympathy to the family and friends of Mr. Smith.

The State of Kentucky has two important events this year, the famous Kentucky Derby and the equally famous (?) National Greenkeeper's Convention.

Tournament Schedule

June

- 5-8 Westchester Co. Amateur, Green Meadow C. C., Harrison.
- 10 Section Qualifying, National Open, St. Albans G. C., L. I.
- 17 Irish Amateur, Portmahock.
- 27-29 National Open, Winged Foot Club, Mamaroneck, N. Y.

July

- 8-13 Western Amateur, Mission Hills, C. C., Kansas City, Mo.
- 9-12 California Junior, Del Monte.
- 12-15 Metropolitan Amateur, Montclair G. C., N. Y.
- 18-20 Metropolitan Open, Lido C. C., Long Beach, L. I.
- 24-26 Metropolitan Junior, Morris Co. G. C., Convent Station, N. J.
- 26-28 Gold Mashie, Ocean Links, Newport, R. I.

August

- 1-4 N. Y. State Amateur, Mohawk G. C., Schenectady.
- 5-7 L. I. Open, Salisbury Links, Salisbury Plains.
- 8-10 N. J. Open, Elmwood G. C., Paterson, N. J.
- 26-31 Women's Western, Mayfield C. C., Cleveland, O.

September

- 2-7 National Amateur, Pebble Beach, Cal.
- 5-6 L. I. Senior, Wheatley Hills G. C., E. Williston
- 9 Irish Open Amateur, Portush
- 10 Westchester Co. Senior, Scarsdale G. C., Hartsdale
- 17-18 Metropolitan Seniors, Hudson River C. C., Yonkers
- 23-25 Westchester Co. Open, Gedney Farm G. C.
- 24-25 French Open, Forqueux, France
- 30 Women's National, Oakland Hills, Birmingham, Mich.

Address all communications relating to the
Golf Show at Louisville, February 5-8, 1930 to--

FRED A. BURKHARDT
Chairman, Show Committee
405 Caxton Bldg., Cleveland, Ohio

Royal York---Canada's New Course

Magnificent 18-hole layout nearing completion in the suburbs of Toronto. Stanley Thompson is the architect

By J. H. EVANS
Golf Editor—The Toronto Globe

THE reputation of the Canadian Pacific railway, one of the world's great carriers, stands behind the new Royal York golf course which is to be opened during the summer. Heralded as a Pine Valley and proclaimed to thousands of golfers as the outstanding test of the Dominion, the course is being built by the railway as an essential feature of its \$16,000,000 hotel, the largest structure of its kind in the British Empire, which is to be opened in Toronto in June by Viscount Willingdon, Governor-General.

Adopting a policy of employing a Canadian whenever possible, the railway selected Stanley Thompson, Toronto, as its architect and permitted him to choose the land required from a wooded tract of 2,000 acres on the west bank of the Humber river, approximately six miles from the hotel by fine highways. The site chosen is opposite the Lambton Golf and Country Club, an exclusive organization in which George S. Lyon is an active spirit.

The course was built from rough route plans and the combined wisdom of a committee of golfers which met fortnightly with the architect. The idea of roughly outlining the lay-out and then applying the brains of experienced linksmen and experts on soil and grass was borrowed from modern industry which has frequently found this policy a marked success in developing its enterprises. The course is 6,700 yards in length.

Physically and chemically the soil is ideal. It ranges from a light sand to a light sandy loam. A portion of it was farmed and the remainder was virgin bush land, heavy with leaf mould. Examination revealed a strata of

gravel and sand below, which guaranteed a dry course during periods of rainfall. Little soil of the same description was to be had within the necessary distance from the heart of the city except along the west bank of the river.

Washington Bent for Greens

"IF THE corps of experts employed by the United States Golf association has after painstaking tests recommended bent as the grass for a putting surface, then it should be accepted by us," was the advice tendered to the committee in charge of the work when the question of the greens was being dealt with. The advice was accepted, and as a consequence the best Washington bent was used for the putting surface. The fairway was seeded with fescue, Canadian blue and red top and the rough to sheep fescue to assure the tufty lies and no protracted search for misdirected shots.

Bunkers about the greens have been so built that all the turf may be mowed by tractors and horse drawn units, nor are they to be trimmed by edgers that the sand dune effect of a seaside course may be interpreted without defined lines. The

effort of the architect and the golfers associated with him was to avoid the artificial and obtain the natural.

Plans as they have been developed reveal some interesting comparisons to the average course of the American continent. The average green may cover 6,000 square feet. Those of the Royal York average 9,000 square feet; the area of sand in all bunkers may reach three acres or four acres but on the railway's new course it amounts to eight acres. The fairways will cover at least 90 acres



STANLEY THOMPSON
Who has laid out and will have charge of the new Royal York golf course near Toronto

An interesting feature of the construction of the course was the source from which fertilizer was secured. For the first time in the history of the game in Canada the offal from a municipal sewage disposal plant was utilized for the purpose. The city offered the fertilizer; it was accepted and met requirements. In spite of a spring which has been marked by heavy rainfall, the course is well advanced and will open according to the plans of the railway. Liberal expenditures during construction will be compensated for in the low maintenance costs.

Architect Remains in Charge

THE green superintendent and his workmen haven't been forgotten. The course, after the work has been completed, will be left in the hands of the architect for a period of three years who states he will choose his greenkeeper from among the workmen now employed on it. He uses the argument that an employee on the construction staff who shows an interest in his work should receive encouragement in the form of promotion and others be given

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a place on the permanent staff.

The problems associated with maintenance are to be solved by the introduction of a plan akin to the bonus system. Each workman will have three or four greens to take care of. He will have his own equipment and set of tools and his own locker in which to place them in the tool house. A monthly prize in money will be given to the greensman with the best putting surface.

The bonus plan is expected to remove some of the responsibility from the shoulders of the greenkeeper, and to stimulate efficiency. A 25 per cent reduction in the cost of course maintenance is said to have been obtained on another local course which uses the bonus system.

Ontario Greenkeepers Co-operate

OFTEN charged with offering opposition toward the application of modern methods in golf course construction and maintenance, the greenkeepers of the Ontario association have adopted an entirely different attitude toward the development of the Royal

(Continued on Page 34)

Around the Office Desk

D. C. Bunker Honored

DC. BUNKER, Galesburg, Ill., one of the charter members of the National association, was signally honored in his home town recently when the city council recommended that the Lincoln Park Golf course be hereafter known as "Bunker Links." This honor was conferred in recognition of Mr. Bunker's services rendered in the building of greens and fairways, and keeping up the city municipal grounds since their inception in 1923.

In connection with this action it was pointed out that Galesburg has one of the finest municipal courses in Illinois. It is 6251 yards long, with all bent greens and an additional nine holes has recently been opened. Mr. Bunker calls himself, "a common old-time greenkeeper." We wish we had more like him and may his shadow never grow less.

Doty Receives Compliment

EW. DOTY has received many complimentary letters concerning his article on golf maintenance cost and club expenses, published in the May number of the NATIONAL GREENKEEPER.

The Bayer-Semesan Co. call attention to his statement that the higher cost of maintenance last year was due in part to the brown patch epidemic, and asks why that is; whether from the damage done by the brown patch or the cost of applying preventative treatments.

Now readers let's hear from you to what extent if any the brown patch epidemic increased your maintenance costs last season. Send in your opinions for publication next month.

Standards Committee Busy

THE new Committee on Standards is receiving a hearty welcome from the golf clubs and Chairman, John Morley has been deluged with letters expressing appreciation of the service which the association has offered through this committee.

M. Fred O'Connell, chairman of the Green committee of the Oak Hill Country Club, Fitchburg, Mass., writes a letter which expresses the general sentiment throughout the country. He says in part:

"I wish to assure you that advantage will be taken of the knowledge which I am certain your committee possesses, as a result of the experiences which the members of your committee have gained through their years of service.

"As chairman of the committee on Greens of the Oak Hill Country Club, I often feel the need of advice upon matters that come up in regard to the upkeep of the course, and I shall avail myself of the opportunity

to call upon your committee if the occasion requires.

"Fortunately, we have been blessed with remarkably good greens and fairways since our club was started. We believe that last year there was no club in the country that had better greens than ours. Nine holes were completed in July, 1926, at which time they were opened with an exhibition match between Tommy Armour and Johnny Farrell. These are stolon greens and they have been in a remarkable condition since they were completed.

"The other nine holes were seeded with bent and when Donald Ross was here last summer he told me that they were as fine greens as he ever saw and he didn't even except those which he knew so much about on the other side. I thought you would be interested to know a little something about our conditions and good fortune."

About Power Mowers

ANOTHER inquiry comes from Mr. L. B. Maytag, chairman of the Green committee of the Newton Country Club at Newton, Iowa. He asks if the committee has had any experience with a certain power putting green mower, and whether or not its weight would be considered injurious to creeping bent putting greens? He also wants information on the eradication of clover in creeping bent greens.

The information which Mr. Maytag received from the committee will be of great help to him, because it will be absolutely unbiased and based upon experience. Such points of contact establish the association as an important body in the golf world and insure the club's greenkeeper, who is a member of the association, the hearty support of his club officials in attending the conventions and other activities of the National Association, in which he is interested.

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Grass and Grass Widows

EVEN Reno, Nevada, steps out and asks the Committee on Standards for information concerning Bermuda grass, its advantages and disadvantages, the amount of water required and type of soil. We all know that there are a lot of grass widows in Reno, but we never did know before that they were Bermuda grass widows.

Now if Mr. John S. Belford, chairman of the Green committee at the Reno Golf Club, had asked Mr. Morley what grass was suitable for the widows in the East, the answer would have been simple. Bent grass, of course.

Down In Gawga

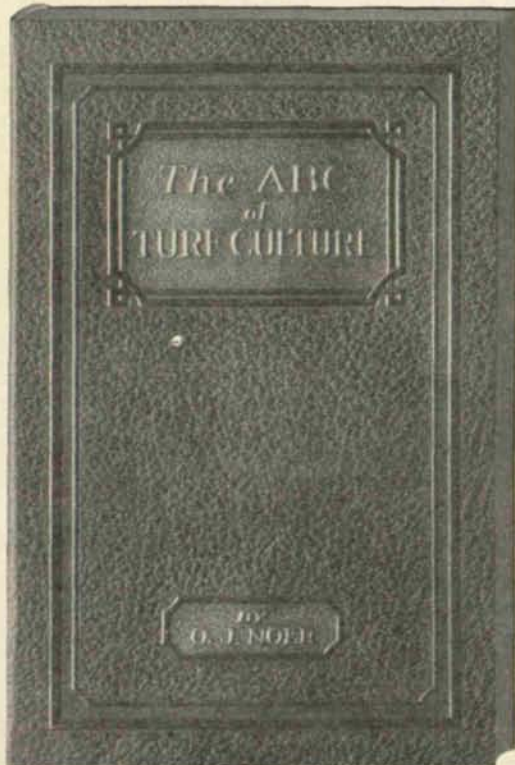
DOWN in Georgia is the Augusta Country Club where John C. Mulherin, president of the Perkins Manufacturing Co., is chairman of the Green committee. Mr. Mulherin writes to Mr. Morley, "Augusta Country Club appreciates the offer of the National Association of Greenkeepers of America," and wants to know about fertilizers for the fairways which are principally of Bermuda grass with carpet grass in the low places. He says, further:

"Our soil is sandy and these two grasses have been quite satisfactory, holding up well through our long, hot summer season. The necessity exists, however, for fertilizing at reasonable intervals and we have been using cottonseed meal to some extent and having fairly satisfactory results."

Endorsements

MR. E. A. KELLY, president of the Green Valley Country Club, Wheaton, Ill., writes to Mr. Morley, stating that they have received a circular boosting a certain fertilizer, but they do not find the names of any of the committee on Standards on the list as users.

All of which indicates that the endorsement of the officials of the National Association of Greenkeepers carries sufficient weight with golf club officials to be noted and talked about. When matters of this sort are noticed and talked about and ideas are exchanged there is bound to be a better understanding of the situation and everybody concerned will be benefited thereby.



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