

green we put in. It was not hit with brown patch, but as soon as I gave it a treatment of Calo-Clor it has done better.

## Rock Island Fares Well

By JOHN HILL, *Greenkeeper*

*Rock Island Arsenal Golf Club, Rock Island, Ill.*

1. We had no webworms or worms of any kind. All the other courses around this part of the country had more or less cutworms.
2. I had hardly any large or small brown patch, using Calo-Clor as a preventative. I also think this takes care of the worms in your greens. I mixed my fertilizer with my topdressing, then watered it in.
3. Used very little of any kind of fertilizer during the months of June, July and August.
4. Over-feeding, I think, forces your grass more and forms a rank growth which hastens fungus diseases. I think over-watering will have the same effect.
5. No, I have been lucky in respect to diseases.

## No Trouble At Gulfport

By FRANK JONES, *Greenkeeper*

*Gulfport, Mississippi*

REPLYING to your questionnaire, this golf course has been closed since May 1st. We have carpet and Bermuda grass fairways and Bermuda greens. Have kept fairways and greens mowed regularly and have not used any fertilizer or watered any during the summer.

The course is in very good condition. No webworm or disease of any kind has been visible. Will

sow greens to Italian Rye starting October 15th. During the winter months we have a fungus disease and brown patch on greens, although I had beautiful greens last season. Will give you more information on turf disease here during the open season.

## Nu-Green Used At Winnipeg

By JOHN THOMSON, *Greenkeeper*

*Kildonan Park Municipal Golf Course*

*Winnipeg, Manitoba*

IN ANSWER to your questionnaire to hand, I am sending you this short account of the methods adopted by us this season.

This season we have had plenty of troubles, such as frost, wind and drought. About the third week in June our greens were in fine shape, when the weather turned very hot indeed for Manitoba and big brown patch struck us badly on greens Nos. 4, 7, 9 and 12.

These greens are all along the Red river and are sheltered by trees. We used Nu-Green in the specified amounts and found it very satisfactory. We used this treatment twice in 10 days and brown patch left us for the time being.

Our methods for fertilizing greens are as follows: From the first of spring until the second week in July, 25 pounds of sulphate of ammonia to 1000 square feet. Then from the middle of July until the end of September 100 pounds of tankage to a green of 6,000 square feet surface.

I have never seen any green over-fed on Kildonan Park Golf course, but I do believe that over-feeding and over-watering with excessive heat prevailing, hastens fungus diseases.

## My Poa Annuua Went Out

By FRED LARRENCE, *Greenkeeper*

*Deal Golf Club, Deal, N. J.*

IN REGARD to your letter of September 8, I have had trouble and plenty of it, but it was due to my Poa Annuua going out on me and hot weather and showers. I had four greens go out over night and I went to forking and using lime. I preserved three greens and with soil and Cocoos bent got a good catch. I also sanded well using as much as ten tons to the green.

Answering your detailed questionnaire, I had no webworm but some leaf spot. I use no fertilizer, but



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I did use Semesan on the greens. As to what hastens fungus diseases, I do not believe that over-feeding does, but I do think that over-watering is a mistake. I have not observed any diseases on greens that have been dried out for lack of water.

As to the criticism about topdressing in summer you would think I was committing a crime, but my chairman has seen his mistake and says, "Fred, we listen to no one next year."

I think if all of us use a little lime this year we will be better off as we have seen great changes since I used it on my course. I have topdressed three times in one month, using one-third sand and two-thirds loam and am going to keep it up.

I have one member who wanted to get a new greenkeeper, but it blew over. He has come around and said he was sorry for what he said. Here's hoping that 1932 will be better.

### Calo-Green Used At Columbus

By RAY SCHURTZ, *Greenkeeper*  
Worthington, Ohio

WE HAD plenty of web-borers (through the chairman of Green here). We used arsenate of lead but not with best results. I believe it did more harm than good to the greens, that is in that certain time of season.

2. We had much of both kinds of brown patch but always cleared it in short time with Calo-Green.
3. No, we used fertilizer but not so much.
4. I believe that over-feeding and over-watering hasten fungi diseases in different kinds of weather.
5. Yes, we had dollar brown patch more severe on the most elevated places on our greens where they had dried out most.

I hope the above will help a little in solving some of the difficulties which we have been through this season.

### Ostrom Follows Nature

By E. T. OSTROM, *Greenkeeper*  
Hillside Golf Course, Hillside, Illinois

IN RESPONSE to your questionnaire which I received concerning the difficulties of the foregoing season I answer the following:

At no time did I have webworm.

I am a user of common fertilizers.

Grass Seed  
Fertilizers  
Rollers  
Distributors  
Buckner Sprinklers  
Toro Equipment  
Milorganite  
Arsenate of Lead

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I am certain over-feeding or over-watering does hasten fungus disease.

My greens have always had plenty of water and I have had no experience with diseases on dry greens.

I never have had a case of brown patch during my 16 years' experience as a greenkeeper. I believe my success lies in that I follow nature as closely as possible.

### Muncie Had Webworms

By A. M. ESTERLINE, *Greenkeeper*

*Delaware Country Club, Muncie, Indiana*  
I WILL answer your questionnaire as well as I can.

1.—Yes, I had webworms on all of my greens. We used arsenate of lead on the greens at the rate of eight pounds to one thousand square feet. We got rid of the worms but they came back and we gave them the same treatment again.

2.—Yes, our turf was affected with both large and small brown patch. We used mercury and fertilized with Naco afterward, just as soon as we could get it on the greens.

3.—We did not use much fertilizer as we do in