Through The Past Summer's Drought

reenkeepers of America describing ways and means of d conditions. Fairway watering is coming.

in business. Grass is like humanity—it demands service. But it doesn't always get it, and then it falls down on us and we fail too.

Greetings to the fraternity down east. Hope to see all of you at Columbus.

A. W. CREED, Greenkeeper,

St. Charles Country Club, Winnipeg, Manitoba, Canada.

Oakwood Has Been Fortunate

O AKWOOD Club, Cleveland Heights, is situated in the humid-arid region. This year I fear we shall be classified as semi-arid so far as our rainfall measures to date. However, as most years average pretty much the same we may expect much liquid refreshment ere the year is out.

Our greens and tees we have kept in good condition through night watering. Having no equipment for fairway watering prayer was our only recourse and while not altogether successful in our appeal yet we have much to be thankful for.

Having a heavy clay soil which holds the film water to a greater degree than lighter soils, plus the the fact that when thoroughly established in clay soil grass is deep-rooted and vigorous, we have practically no dead grass on our fairways.

Knowing that clay soil cracks with continuous dry weather causing a further loss of water by admittance of air, I was considerably surprised to find practically no cracking of the ground, which I credit to good drainage installed some five years ago. Prior to that date after a few weeks of drought cracks sufficiently large to insert one's fingers were common.

From this year's drought we learn a lesson as to the resisting power of the various grasses. Personally I find the velvet bent, of which we have many patches throughout the fairways, the first to show signs of distress. I also find it does not respond to slight showers as quickly as, say, fescue.

Another point we have to bear in mind is that while in past years the rainfall, while much heavier, has frequently not been evenly distributed—that is we have a surplus in the form of thunder showers, and while credited with a certain number of inches of rainfall in a given time we have not benefited to the extent of less rainfall when more evenly and frequently distributed.

However, should our golf clubs desire to avoid a repetition of baked fairways, with the resultant sole blisters, we greenkeepers will be only too glad to install a sprinkling system when they so desire.

CHRISTOPHER BAIN, *Greenkeeper*, Oakwood Country Club, Cleveland Heights, O.

Bunker Wants To Know

I HAVE a question I wish someone would answer. Do greens become immune to brown patch? I have nine greens six years old and a new nine two years old. I have had brown patch on the new nine just ten times and in the old nine twice and not bad then. Do greens become immune (they are all Washington) from the same sod.

I cannot understand how our greens stood up



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November, 1930



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the way they did because we sold about thirty-five hundred tickets and have one hundred and fiftyseven who play every year and one-half of them can't play under a hundred.

Our greens were as good this summer as any private course which we have around here, if not better. As you don't know-ours is a city course built on one hundred and ten acres and new players start every day. I used to stop all new players and tell them how to treat the course and especially the greens, but they came too fast this year and I ran out of wind. So just watch and the old players teach the new ones or I do when they do wrong.

The city has quite a park here, six hundred and seventy-one acres. It is three miles long, one-quarter to one-half miles wide and I have charge of it all. I used to burn five gallons of gas a week, now I burn about thirty. That will show you how big it is. I had plenty to do. We built a bathing beach, one hundred and twenty-five feet wide, eleven hundred and fifty feet long of sand and the nearest sand to Galesburg is thirty-four miles. We used one hundred and nine loads of sand.

We built a sixty thousand dollar beach pavillion, cleaning up sixty acres around it for picnic grounds, built nine and one-half miles of gravel roads and expect to clean up more next year. And, by the way, the four hundred acres the city got last fall is where I as a barefoot kid, used to walk out to swim, picnic, shoot squirrels, rabbits and birds (with a rubber gun), and gather hazelnuts, butternuts, hickory nuts and last but not least, walnuts. This is the timber I cleaned up and it was a pleasure you can be assured. We, as kids walked the three miles because there wasn't even a bicycle then.

Every golf course around here had to play winter rules but ours. We put on one thousand loads of horse manure in the past three winters, which is the reason.

The golf course shows a profit of \$3561 so far this season.

> D. C. BUNKER, Pro-Greenkeeper, Galesburg Golf Course, Galesburg, Illinois.

Talk About Work-Here's One

You wrote me to describe my experiences of how we maintained our golf course this summer. I am not much of a writer on anything like this but will do my best. I always like to read the other fellow's better, I suppose he is the same.

We have been a lot better off than most places for rains this year. There were only two weeks that we did not mow fairways. We have a nine-hole course. Our greens are bent and a practice green and have our own nursery of bent. I have only one man to help me which as you know is a great handicap.

Our greens are small too, most of them averaging about four thousand square feet. It takes the two of us all forenoon to water by hand as our pressure is only thirty pounds at the best so that only leaves one-half of the day to do the other work. I mow the greens myself; that takes four hours. The other man does the tractor work.

When we want to topdress we have to cut down on watering. We water every day that it don't rain, except Sunday, but they were few this summer. I have only topdressed twice this year. I used to topdress five times a season but get as good results with three times. I will topdress in October for winter.

Our greens are six years old and as good today as the first year. We went to a little more work when we built them which may be the answer for some of it. We removed eight or ten inches of soil put in three to six loads of well-rotted manure and put on six to ten inches of sandy loam out of a river bottom