



## MIDWEST BREEZES

Most everyone and everything has a birthday, even the **Bull Sheet** has one each year. This June issue, 1980 it will be thirty-four years old. It has grown from a couple of mimeographed pages to twenty pages printed on good quality paper. The first issues had no advertising. After a couple of years due to the cost of publishing, it was decided to allow a few suppliers to advertise their product in the **Bull Sheet**. In 1950 there were ten ads. Before this date there were none. Four of these suppliers have continued in each issue for these past thirty-two years. They are: Geo A. Davis, Roseman Tractor, Swift Fertilizer and Warren's Turf. We all thank them for their support. We also thank all of the thirty-three advertisers that the **Bull Sheet** has at the present time. They are the ones that make it possible for you to receive this publication each month without any cost to you. Show your appreciation to them next time you are going to make a purchase.

The **Bull Sheet** has been very fortunate to have a printer like **Ever-Redi** for all these years. It has made the editor's job considerably easier and we all thank Ever-Redi Printing for the fine job they have been doing.

On April 28, 1980 **Shawn Murray** came to live with his mother and father, Jill and Dan. Shawn weighed in at 7 lbs. 2 ozs., congratulations to the Murray family. Father Dan is the assistant Supt. at Glen Oak C.C. and lives in St. Charles, IL.

The M.A.G.C.S. June meeting will be held at Ridgemoor C.C. on June 12. Ridgemoor is located at 6600 West Gunnison St.

The M.A.G.C.S. July 7 meeting will be at Medinah C.C. Supt. **Don Pakkala** will be our host.

The M.A.G.C.S. May 5 meeting held at Riverside G.C. was a most enjoyable one. The weather was made to order. Sixty-three played golf on a super conditioned course made possible by our host, Supt. **Roger Stewart**. The dinner and all services were excellent. We all thank Riverside G.C. for this great day.

I have heard statements in the past in regards to finding clubs for our monthly meetings. Who is at fault? Let us not blame the Supt. I am sure that in most cases the clubs will welcome the Supt. Association members if our monthly notices come out stating members only. That is the way it should be. And the person who is in charge of registration should be instructed that everyone who expects to play golf show his credentials. If he is not a member, "sorry, no golf".

God spoke; and from the arid scene  
Sprang rich and verdant bowers,  
Till all the earth was soft and green, —  
He smiled; and there were flowers.

Fenollosa

Dear Ray,  
How trying will we find summer this year?

### "SUMMER FAITH"

Another Summer soon will appear,  
Springtime will have left us.  
Play will be heavy and summer in sarong,  
Will try her best to test us.  
Shine up your armor, roll up your sleeves,  
Don't let the elements upset you.  
With faith in your knowledge,  
And though ironical it be,  
Nature may aid in your rescue.

Superintendently,  
**Kenneth R. Zanzig**  
Green Garden C.C.

**Kenneth Zanzig** whose poetic efforts are so much appreciated by all of us was unanimously selected at the April meeting to be Midwest's Assoc. Poet Laureate.

Ken's poetic excellence every month in the **Bull Sheet** deserve him this honorable appointment.

Date: April 2, 1980  
To: Turfgrass Personnel & GCSAA Chap. Services  
From: Palmer Maples, Jr., CGCS - Dir. of Education  
Subject: GCSAA Scholarship Program for 1980-81

In accordance with our procedures to make scholarship available to students at the beginning of the school year, the due date for scholarship applications this year is June 15. The applications are reviewed, and the awards will be made in September.

Each year more and more students are seeking financial aid. For these reasons the competition for assistance will be great and we urge you to screen your applicants carefully.

Please note all applications must be postmarked no later than June 15. Those received after that date, as well as those that are incomplete, will not be considered. Because of the time involved in processing the application, we cannot make exceptions to the foregoing.

Photographs need not be sent in with the applications. These will be requested later of the scholarship recipients.

If there are other instructors at your institution advising students who might qualify for a scholarship, please share this material with them. If you need additional copies of the application, please feel free to reproduce the form or to request additional copies from this office. Please return all applications to:

Director of Education, GCSAA, 1617 St. Andrews Drive, Lawrence, KS 66044

**The Golf Course Supts. Assn. of America**

## BUGS OF SUMMER ARE ABOUT AND ABUZZ

White-faced Hornets are the biggest native hornets, but are not very fierce. Nor are giant European hornets or yellow hornets. If hornets choose your garage in which to nest, you have two choices. If you leave them alone, they are not likely to bother you. If you decide to kill them, the best time to do it is on a cool night, when they are inactive in their nest. You can stop up the mouth of the nest quickly and carefully with cotton, and pour or spray a commercial insecticide through the top. You must, however, be prepared for an onslaught of angry hornets.

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## TOPDRESSING - KNOW YOUR MATERIAL

When I first came to Skokie Country Club, two years ago, I inherited problems of sorts related mostly to soil texture, topdressing and drainage on greens. I would like to discuss what I think was the main problem, that of topdressing material, and it's relationship to soil texture, drainage and overall consistency. At Skokie, they used three different topdressings. Twelve greens were topdressed using a 3-1-1 mixture. Three greens were topdressed using an 80-20 mix and three greens were topdressed using a straight sand from near Milwaukee. From the initial topdressing using the three different mixes we noticed the results within a week. For the past two years we've been testing and experimenting with different blends of materials to achieve a topdressing that could be used on all our greens. In the following, I will discuss the problems with each of the topdressing materials that have been used in the past and relate to how we arrived at our present mix now used on all of our greens.

1. The twelve greens topdressed with the 3-1-1-mixture produced an immediate cementing reaction to the surface. No matter what thickness it was spread. This layer was practically impervious to water penetration and when the water did penetrate there was too much moisture retention at the meristamatic point of the grass plant.

To temporarily combat the impervious layer problem we would double spike the greens approximately four days after topdressing. This resulted in better water penetration. It is obvious that the material being used had too high of a silt concentration in the mix.

2. Skokie has had three greens built to U.S.G.A. recommended specifications, that of an 80 percent sand 20 percent peat mixture. Over the years the 80-20 mix delivered by the supplier started to vary within it's sand fraction particle size. Through further testing we found that an unacceptable amount of silt and clay were also included in the mix. Again this proved to provide an impervious layer situation such as that of the 3-1-1 mix. We therefore, had to spike frequently to achieve the water infiltration we needed.

3. For three successive years we've had three greens, that were tucked in next to the woods, on a straight Milwaukee sand topdressing program. As everyone knows, this is a uniform sand with less than 2% silt and clay. We continued this program as in the past and found varying problems related to this topdressing and the particular greens it was used on. First of all was the winter of 77-78. As I already discussed in a previous article, the sand topdressed greens suffered more poa loss than all the other greens put together. The reasons were a restricted root system, caused by water level at field capacity followed by freezing the next day. We can relate this to the problem on our fourth green.

The fourth green was built entirely of heavy clay. It has been on a straight sand topdressing program for three years. During the summer months, after a heavy rain, water would accumulate in the 2½" sand layer near the surface as well as in the many sand filled aerified holes. This created a perched water table situation for too long a time period enabling disease and wet wilt to run rampant. It also created a puffiness problem, whereas the mowing height would have to be constantly adjusted.

Another green, in particular, had also been on the straight sand topdressing program for three years. One of the problems that has developed in this instance, is that the green is now too firm for the average golfer.

This hole is a 230 yard par 3 to an elevated flat green approximately 6700 sq. ft. in size.

In conclusion, after much testing with different topdressing blends we have decided on a topdressing mix of 70 percent Milwaukee Sand and 30 percent Milburn peat. The main purpose of the organic matter content is to slow down the water infiltration rate at the surface allowing time for the topmix to absorb the water. This 70-30 mix helps to reduce the perched water table effect. Eliminates the subsurface standing water by providing more runoff and eliminates the chance of starting a new impervious layer in the soil profile. It also prevents the green from becoming too firm for the average golfer and is a compatible mix for all our greens.

John Berarducci, Supt.  
Skokie Country Club

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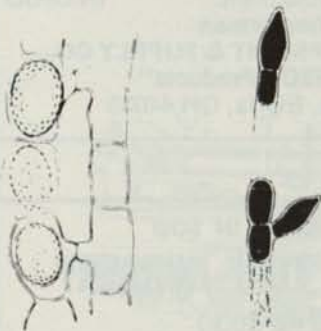
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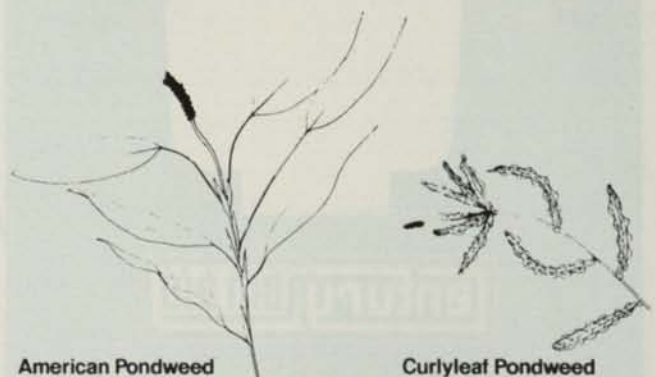
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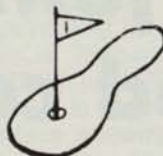
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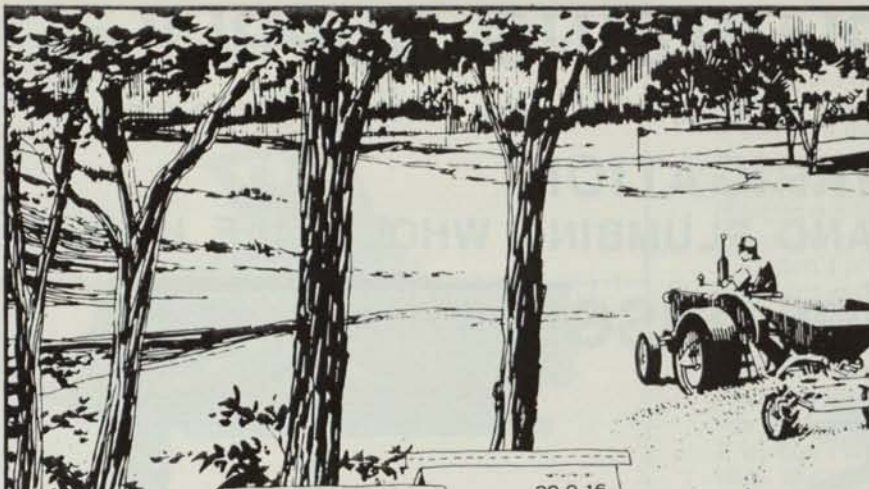
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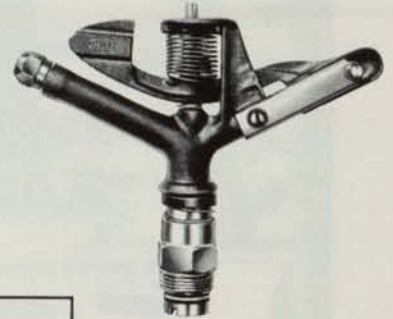
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#15300 - 15" Roller Base all metal 3/4" hose, 3/4" sprinkler connections  
Regular price - \$30.00 **Special Price - \$18.00**

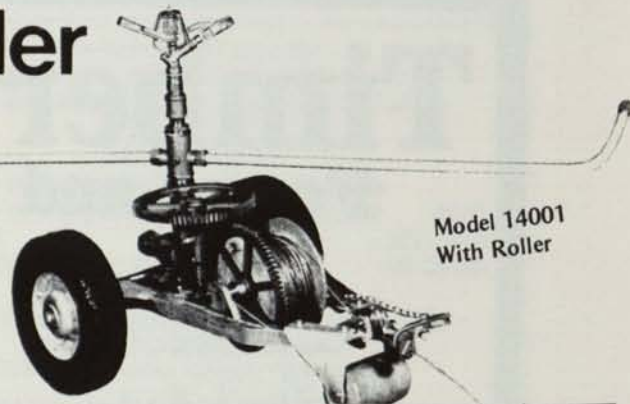
#15001 - 22" Roller Base all metal 1" hose, 1" sprinkler connections  
Regular Price - \$40.00 **Special Price - \$24.00**

## traveling sprinkler

14001 1" HOSE

-13		-14		-15	
Nozzle Dia.	Space Between Runs	Nozzle Dia.	Space Between Runs	Nozzle Dia.	Space Between Runs
13/64"	80'	7/32"	85'	15/64"	87'
12.87	80'	14.30	85'	15.6	87'
13.20	81'	14.60	86'	16.2	88'
13.47	82'	14.95	87'	16.6	90'
13.78	83'	15.29	88'	17.1	91'
14.18	83'	15.71	88'	17.6	92'

for best distribution. \*Standard nozzle size.



Model 14001  
With Roller

8401



### PERFORMANCE

Sprinkler Capacity GPM	Hose Size	Minimum Pressure Recommended into Unit PSI	Pressure Loss in 200 Ft. of Coupled Hose PSI	Required Pressure at Hose Inlet PSI*	Spacing Between Travel Lanes	Average Water Depth Applied				
						Travel Speed, Ft. per Hr.				
						5	10	20	40	60
10	1"	40	6.0	46	75'	2.56"	1.28"	0.64"	0.32"	0.21"
15	1"	40	12.6	53	75'	3.84"	1.92"	0.96"	0.48"	0.32"
20	1 1/4"	50	8.0	58	85'	4.52"	2.26"	1.13"	0.57"	0.38"
25	1 1/4"	50	12.0	62	85'	5.66"	2.83"	1.41"	0.71"	0.47"
30	1 1/4"	50	16.2	66	90'	6.41"	3.21"	1.60"	0.80"	0.53"

\* Required pressure when 200 feet of hose is used. When using less than 200 feet of hose, required pressure is less depending on hose length.

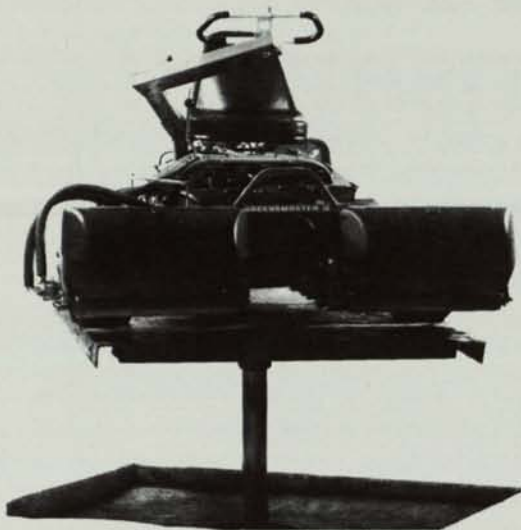
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## BEING AN EDITOR ...

Getting out this magazine is no picnic  
If we print jokes, people say we are silly.  
If we don't they say we are too serious.  
If we stick to the office all day,  
We ought to be around hustling material.  
If we go out and try to hustle,  
We ought to be on the job in the office.  
If we don't print contributions,  
We don't appreciate genius;  
And if we do print them, the paper is filled with junk!  
If we edit the other fellow's write-ups we're too critical;  
If we don't we're asleep.  
If we slip things from other papers,  
We are too lazy to write ourselves.  
If we don't we are stuck on our stuff.  
Now, like as not, some guy will say  
We swiped this from some magazine.\*

\*We did.

It's difficult for a heel to toe the mark.

**John M. Cline**

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