

THE BULL SHEET, official publication of the  
MIDWEST ASSOCIATION OF GOLF COURSE  
SUPERINTENDENTS.

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The following is a list of office telephone numbers to  
the entire Board.

|                              |          |
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| Robert Breen .....           | 653-5800 |
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| Dorothy Warren .....         | 974-1121 |



## PRESIDENT'S MESSAGE

Well, the flower show has come and gone and all the time put into it has been forgotten due to the preparation needed to get the golf courses open. I think we owe a very deserved thanks to the many people that worked in our booth this year. This outstanding job is due to the efficiency of Carl Hoppman and Fred Opperman, co-chairmen this year. They were the ones responsible for the planning and set up of the booth, not to leave out the fact that the space for our booth was donated by the flower show sponsors. I am sure we helped the many visitors to our booth with their turf problems.

Getting back to the business of our Association, we are having a problem getting courses to host our monthly meeting, without imposing on ones that have hosted us in the past. There are still several dates open this year. I realize some clubs cannot host a meeting due to club policies or they do not have the facilities to handle a group of our size. The board of the Midwest has decided to forgo our August meeting and ask that all of you that can, attend the Illinois Turf Foundation turf day in August.

### USEFUL RULES

To find the Area of a Rectangle:—Multiply the base by the altitude.

To find the Area of a Triangle:—Multiply the base by half the altitude.

To find the Volume of a Sphere:—Multiply the cube of the diameter by .5236.

To find the Volume of a Cylinder:—Multiply the square of the diameter by .7854, and multiply this product by the height.

To find the Number of Gallons in a Cylindrical Tank:—Multiply the square of the diameter in inches by .7854, and multiply this product by the height, in inches, then divide the result by 231.

To find the Number of Board Feet in a Piece of Lumber:—Multiply the length in feet by the width and thickness in inches, and divide the product by 12.

To find the Number of Tons of Hay in Long Square Stacks:—Rule—Multiply the length in yards by the width in yards, and that by half the altitude in yards and divide the product by 15. Example—How many tons in a stack 10 yards long 5 wide and 9 high? Process— $10 \times 5 \times 4\frac{1}{2} = 225$ , divide by 15 = 15 tons.