

Introducing **VT 3** The miracle worker.

Toro's new all solid state electronic sprinkler control system

- Multiple programs
- Control flexibility at less cost
- All solid state electronics
- Multiple sprinkler operation

The miracle of modern electronics is more capability at less cost. Call or write today.



IRRIGATION DIVISION

**Chicago
TORO**
Turf-Irrigation Inc.

911 Hilltop Drive
Itasca, Illinois 60143
(312) 773-5555



TEMPERING WELL WATER

A mistaken idea held by some is that well water, owing to its low temperature, will chill the turf when discharged directly through a sprinkler and considerable sums of money have been needlessly expended on the construction of "tempering ponds" to hold and warm the well water before it is used for irrigating.

In the Chicago area we have three main sources of well water and the temperature of the water delivered from them at ground level is as follows:-

- (1) Where the well is about 400 feet in depth the water is obtained from the crevices in the Niagaran Limestone and is produced at 53 degrees F. temperature.
- (2) Where the well is about 800 feet in depth the water is obtained from the St. Peter Sandstone formation and is produced at 56 degrees F. temperature.
- (3) Where the well is about 1500 feet in depth the water is obtained from the Galesville Sandstone formation and is produced at 59 degrees F. temperature.

It will be noted that the water temperature increases in relation to the depth of the well.

Regardless of any of the above mentioned water temperatures it will be found that when discharged and broken up through a sprinkler into rain-like droplets that these droplets in falling through the air will even themselves up to air temperature before reaching the ground. Even high temperature water under like conditions will give up its heat in falling through the air and also reach the ground at approximately air temperature.

— Charles E. (Scotty) Stewart

ACTI-DIONE[®] in your Tees Greens Fairways Program



**These proven turf fungicides
help prevent or eradicate**

Leafspot Dollarspot Melting-out
Fading-out Rust Brown Patch
Pink Patch Powdery Mildew

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