

The "Bull Sheet" will be closing out what may be one of its most successful years. The Midwest directors have been most helpful in supplying articles to Ray to include in the paper — keep up the good work. The membership has been a big help to Ray, too, but must continue supplying him with information — he never seems to get enough articles.

Hope Santa was good to all this Christmas. Best wishes for the New Year to you and your families.

Dear Ray,

Here it is winter in Crystal Lake but our work outside still goes on.

We are doing a little experimental work on our roughs and non-use areas. Three blocks from our maintenance building are two sewage plants for the city of Crystal Lake. After having the material analyzed we found no heavy metals because we have no chemical industries to contaminate the sludge. Our treatment plant uses the aerobic method so it is activated. The analysis is 4.0 nitrogen and 5.0 on the phosphorus and high in iron and sulfur.

This material is loaded into our "John Blue" spreader which has a capacity of 5 cubic yards. It is a V bottom with a stainless steel conveyer belt with a 24" spinner. All this is ground driven and rolls on high floatation tires.

Certain areas get single application while others received two and three applications, and we have made re-applications with check plots to compare responses.

If this source of nitrogen proves economical after determining growth results and labor costs, we will continue on this program, and if more material is available it will be spread on our fairways during the winter.

I would like to hear from other superintendents who have had any experience with sludge applications. With the continuing increases in fertilizer costs this may be a partial answer to our turf growing problems and maintaining our budgets.

Thank you again for the opportunity to write for your excellent publication.

Sincerely yours,
Jack R. A. Hanson, Supt., C.G.C.S.
Crystal Lake C. C.



Charles Wilson from Milwaukee Milorganite performing his elbow wetting sponge act at Medinah Clinic.

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