

April 22, 1943.

Dean E. B. Stouffer
Dean P. B. Lawson
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Dean J. W. Twente
Mr. Raymond Nichols

Second Progress Report to Budget Committee

Gentlemen:

Mr. Joseph Gyulay, Jr., of Wallace & Tiernan Sales Corporation, Kansas City, Mo., after his first visit here to inspect the chlorinator, contacted Mr. E. W. Bacharach, of the Bacharach Water Purification Plant, of Kansas City, a specialist on swimming pools. Mr. Bacharach was called back to Olathe today on a government swimming pool letting, but he sent his first assistant, Mr. A. W. Livingston, to check on our swimming pool difficulties.

Mr. Livingston has just spent an hour going over the pump, filter, and pool. He impressed me as a man who certainly knows his business. First, it was necessary for him to get the capacity of the pump that pumps water from the pool to the filter, because as he estimates the capacity of this pump, at present we are getting a complete change of filtration every 12½ hours. Mr. Livingston states that at the rate we have been using the pool, we are badly crowding the sanitary conditions.

We had Mr. Eberhart, the plumber, with us, together with Mr. Strait, but Mr. Eberhart was unable to give us the capacity of the pump. Therefore, he is going back over the records of the Buildings and Grounds Department to find when Mr. Martin installed the pump, and to get the specifications on the size of the thing. This is the first step before Mr. Livingston can go further.

The next step will be to have the filter emptied of all sand, rock, and so forth, so that Mr. Livingston can get on the inside. It will not be possible to empty the filter until after the start of final examinations, and then we must hasten the necessary installations so as to be ready for our cadets, machinists mates, and other summer school students who are first screened through the swimming test. It is Mr. Livingston's opinion at the present time that he can repair the steel shell so that it will be useable. It is practically impossible to get AA-1 rating for steel under the present conditions for the University swimming pool.

We next visited the pool and I showed him the 1275 tile that are broken, causing a leakage of approximately 5,000 gallons of water a day. Each one of the tile is 4 inches wide, and the pool leaks over night the width of two tile. The pool's capacity is 50,000 gallons, so Mr. Livingston feels we are losing 5,000 gallons of water from the pool every day.

The Buildings and Grounds Department tells me that they are paying 11.6¢ per thousand gallons of water. We formerly paid 12.6¢, so a fair computation would be 12¢ per thousand gallons of water over a period of years. Figuring the leakage at 5,000 gallons a day, for 26 days of the month, or 312 days per year, it would amount to \$187.20, and counting a period of fifteen years this leakage