

E. W. BACHARACH & CO.

FILTER PLANT EQUIPMENT
GRAVITY AND PRESSURE FILTERS
WATER SOFTENING PLANTS
CHEMICAL TREATING PLANTS
SEWAGE DISPOSAL EQUIPMENT



Water Purification Plants

RIALTO BLDG · KANSAS CITY · MISSOURI

May 14, 1943

Dr. F. C. Allen
Director of Physical Education
Varsity Basket Ball Coach
University of Kansas
Lawrence, Kansas

Dear Sir:

On May 13th the writer made a final inspection of the swimming pool filter and recirculating system which is located in the gymnasium building.

Incidentally, we discovered that the pool is of obsolete design and, of course, it is very difficult to obtain the desired results, inasmuch as the pool has no scum gutters and, furthermore, a depth of water of approximately 8' is maintained over the entire area. Modern pools, as you no doubt know, have a shallow end of approximately 3' to 4' of water, and slope down to a depth of between 8' and 9' of water. This is to enable beginners to use the shallow end and, of course, the experienced swimmers the deep end.

There is nothing that can be done to improve the pool as the cost would be prohibitive. However, the final results that are now being obtained under the present set-up should be appreciated and, no doubt, such results are due to careful operation.

Now, in regard to rehabilitating the present filter and recirculating system, we recommend the following:

1. A new ^{1,} recirculating pump and motor should be installed as the present unit has too small a capacity. In other words, according to our figures, with your present pump the contents of the pool are turned over once every 18-1/2 hours and by furnishing a larger pump and motor the contents of the pool would be turned over every 12-1/2 hours. However, according to the best practice, the pool should be turned over once every 8 hours, but this cannot be done, owing to the size of your present filter itself. It is not advisable to furnish a larger filter at this time as it would be impractical to do so, because of the space available and also the question of removing the present filter and installing a new one,