Winogradsky column used at the Ecosystems Center

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This is a Winogradsky column that Joseph Vallino uses in a SES course on Methods in Microbial Ecology. Almost every bacterial metabolic process that occurs on Earth also occurs in these columns that are simply constructed by placing freshwater or marine sediments augmented with a carbon source (such as saw dust) and fertilizer (N and P) in a column and topping it off with either fresh or sea water. Julie Huber is a co-instructor in the course.
Dspace Image

https://hpsrepository.asu.edu/bitstream/handle/10776/8176/EcosystemsCenter023.jpg.jpg

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