

11/5/23

Engineering

Civil Engineering

Harold E. Babbitt Papers, 1922-23, 1928, 1930, 1939-48, 1950-53, 1955-56

10th edition, American Men of Science entry (p. 138):

BABBITT, PROF. H(AROLD) E(ATION), University of Illinois, Urbana, Ill. SANITARY ENGINEERING. East Orange, N.J., Jan. 7 88; m. 30, B.S., Mass. Inst. Tech., 11; M.S. Illinois, 17. Asst, sewage test sta., Sanit. Dist., Chicago, 11-13; asst. engr., State Bd. Health, Ohio, 13; from instr. to prof. SANI. ENG., ILLINOIS, 13-54, EMER. PROF., 54-70. With Nat. Res. Council, 44; hon. prof., University Minas Gerias, Brazil, 56; vis. prof., Missouri, 59; Iowa State, 60. U.S.A., 17-19. Soc. Civil. Eng.; Soc. Eng. Ed., fel. Pub. Health Asn.; Nat. Soc. Prful. Eng. (v. pres, 39). Sewage treatment; water purification; garbage disposal with sewage; diatomite water filters; flow of sludge; engineering in public health; removal of radioactive phosphorous from water; disposal of radioactive wastes in sewage.

Books by Babbitt - in the University Archives

1. Harold E. Babbitt, Plumbing, McGraw-Hill, (first edition), New York, 1928.
2. Harold E. Babbitt, Sewerage and Sewage Treatment, John Wiley & Sons, New York, 1922.
3. Fourth edition, 1932.
4. Seventh edition, 1953, second printing, 1956.
5. Harold E. Babbitt and James J. Doland, Water Supply Engineering, third edition, McGraw-Hill, New York, 1939.
6. Third edition, seventh impression, 1939.
7. Fifth edition, 1955.

Other publications of H. E. Babbitt(Many of these publications are available through University of Illinois Archives Record Series 11/2/801)

620.1116, no. 287      Engineering Experiment Station reports. The Biologic digestion of garbage with sewage sludge.

620.1116, no. 419      The corrosion of copper tube in soil-slack instillations.

620.1116, no. 425      Effect of body feed on the filtration of water through diatomite.

Engineering in public health, first edition, New York, McGraw-Hill, 1952.

620.1116, no. 374      The free surface around, and interference between, gravity wells.

620.1116, no. 319      Laminar flow of sludges in pipes with special reference to sewage sludge.

Leaping weirs and overflow weirs for sewers 1917.

620.1116, no. 268     The mechanical aeration of sewage by sheffield puddles and be an aspirator.

620.1116, no. 198     Results of tests on sewage treatment

Plumbing (first edition, 1928; second edition, 1950; third edition, 1960).

Sewerage and Sewage Treatment (last edition, 8th, 1958).

620.1116, nos. 143 & 178     Tests on the hydraulics and pneumatics of house plumbing.

620.1116, no. 323     Turbulent flow of sludges in pipes.

Water supply engineering (last edition, 6th, 1962).

620.1116, no. 409     with Edward Robert Baumann, An investigation of six small septic tanks,  
University of Illinois Engineering Experiment Station report, 1953.

620.1116, no. 431     with E. R. Baumann, The removal of entamoeba histolytica cysts from water  
by porous filter septums either with or without filter aid, 1955.

Soul Taehakkyo - College of Engineering; Final report of advisor in engineering, June 1961. (on  
study and teaching in Korea).

3 rolls of film received June 6, 1969 of The Story of Water - silent, color film, ca. 1939

Reel #1 - Where most cities get their water. Pollution problems, necessity for a safe water supply - safe water treatment procedures. Illustrations of various unpleasant effects - tastes and odors - and their causes. Reservoirs for storage and settling - the addition of coagulants for faster settling.

Reel #2 - Sediment in settling basin working to purify water. Filtering through beds of sand and gravel. Model of a filtering plant. "Backwashing" of filters to keep them clean. Use of chemicals such as activated carbon and chlorine. Reservoirs.

Reel #3 - Laboratory equipment and water treatment procedures. Records of plant operations. Charts showing reduction of typhoid fever. Danger of forsaking "safe" water for more palatable but "unsafe" water. (Shot of men getting out of old cars to fill up water jugs) Children playing in sprinklers, bathing, drinking water.