

methods as well as good care and maintenance techniques for the existing equipment. Such efforts will result in still more comfortable working conditions, provided well established and recommended care is applied to the existing systems. Reduction of possible hazards to men and equipment will result in still more efficient production, if the recommendations of the plant maintenance engineers and the manufacturers are put into effect. Some of the know-how has been summarized on the previous pages, and it may be pointed out again that more information is obtainable through the list of catalogs and booklets and references to articles in periodicals, presented on page twelve.

-- Author's Summary

- 938 Dusty Air as a Vehicle of Infection. C.C. Spencer.
Modern Sanitation 1, 14-18, 55 (July 1949).

The high proportion of respiratory infections among communicable diseases has been established. The relative importance of airborne transmission of these diseases has not been demonstrated, but studies and clinical experience have shown that infected air is an important source of contagion. The total numbers of bacteria are found to be higher in dusty and crowded rooms, and viruses protected by dust are harder to destroy by ultraviolet and germicidal irradiation. Methods for the control of airborne infection include: (1) Forced ventilation and washing of the air, which has not proved greatly efficient; (2) Ultraviolet lamps have shown good results in many cases; (3) Use of germicidal vapors has the advantage of immediate action and less need of air change; (4) Oiling of floors and bedding provides a reduction in bacterial contamination and is recommended as a hygienic measure. Further study of the problem is indicated.

Physical Measurements

(Particle Size--Illumination--Air Pollution, Etc.)

- 939 Overlapping of Dust Particles on a Sampling Plate. J.O. Irwin
P. Armitage, and C.W. Davies (letter to editor) Nature 163, 809.
(May 21, 1949).

The overlapping of dust particles forming clumps on a glass plate for microscopical examination is considered mathematically.