

A Science Service Feature

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? WHY THE WEATHER ? Mailed March 16, 1933

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THE NEW VENTILATION

"For many years," says Prof. A.I. Brown, of the Ohio State University, "the science of ventilation was centered around the idea that its chief aim was the furnishing of an adequate supply of fresh air for our lungs. Recently, however, has come the realization that under normal circumstances the supply of air is vastly more than that which is required for the process of breathing, and our chief concern in the matter of air supply now is that it shall be at such a temperature and shall have such a moisture content and motion as to carry off body heat at a proper rate, thereby putting no undue strain upon the temperature-regulating mechanism of our bodies.

"We have not lost sight of the need for providing air of a quality proper for breathing. What we once knew as fresh outdoor air, particularly in our crowded cities, may be laden with dusts of a variety of kinds which serve as a carrier for bacteria. For many years great concern has been displayed in seeing that the water which we drink is supplied from an uncontaminated source. Extensive water purification plants are recognized as necessities. The surprising fact is that we have been so slow in appreciating a like need for concern about the quality of the air which we breathe. In the same manner by which we may remove impurities from the water supply, by filtration, we can remove dust and ashes and soot from the air supply."

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