

For Release
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The earth rotates, and air weighs less! It is necessary to think of air as having weight like any other substance. A quantity of air at the equator, by virtue of its friction, is whirled around with the earth in its rotation. This tends to throw the air off the earth by centrifugal action, but the action of gravity is stronger and the air stays on. The result, however, is that the air weighs less. This effect decreases north and south of the equator to nothing at the poles. An east wind weighs more than a west wind because coming from the east its direction is contrary to that of the earth's motion, and nullifies the throwing-off action to some extent, while with a west wind this action is increased and it weighs less than calm air.
