



Maryland Weather Service

By Maryland Weather Service

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1899 Excerpt: .by physicists properly socalled, they must be taken up by the experimental and theoretical meteorologists. Every form of barometer, thermometer, hygrometer, actinometer, raingauge, anemometer, etc., is beset with sources of error that must be investigated and tabulated before the instrument can give reliable results. The physical constants pertaining to the atmosphere itself, such as its chemical composition, its weight per unit volume, the law of the relation between pressure and density and temperature, the specific heat of the air, the viscosity, the radiating and absorbing process, all require more careful determination. Among the additional problems we note: 1. The peculiarities of the aqueous vapor, both for liquid water and solid frozen ice; its pressure and density at saturation; its behavior at certain critical temperatures. 2. The relation of the atmosphere and its vapor to heat, especially its power of conduction, radiation and absorption in various parts...



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