

For release                      By Major A.H. Thiessen  
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Air density and projectiles! Shot out of a gun, a projectile meets three kinds of resistances: air, cloud and rain. The resistance of the air depends upon its density, which in turn varies with temperature, pressure and humidity. Density diminishes with elevation up to 35000 feet, where, due to the nearly uniform temperatures, the change of density with elevation is not so great as below this level. Clouds may affect the density by as much as 4%, but rain affects it much less and is ordinarily neglected. Meteorological units of the army observe all the elements affecting density and inform the artillery frequently throughout the day.

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