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ing the report by one thousand one hundred, and the product will be the distance in full, with sufficient accuracy for ordinary purposes. If greater accuracy be required, this rule must be modified, on account of the velocity, and direction of the wind and state of the thermometer.

Sound will be louder in proportion to the condensation of the air. *Water is one of the greatest conductors of sound* : it can be heard on water nearly twice as far as upon land.

The sounds which are most commonly heard by reconnoitring parties in the vicinity of farms, villages, woods, camps, barracks, factories, &c., are the crowing of cocks, the clink of the blacksmith's hammer, the ringing of bells, the splashing of water mills, the murmur of water falls, the beat of drums, the blast of trumpets, the stroke of the woodcutter against a tree, the operation of sawyers, the call of herdsman, the lowing of cows, the bleating of sheep, the neighing of horses, the barking of dogs, the shot of the fowler, &c.