

For release
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Robert Boyle! We all know that when we ascend a mountain the air becomes thinner; likewise, when we push on a bicycle pump it becomes more dense. But we would not know how much unless we knew Boyle's law. Robert Boyle was born an Irishman but did most of his work in England. He was the first man to explain the relation of pressure and volume, or density. He said in substance that if the temperature of a gas were kept constant and we double the pressure we would double the density, or halve the volume. In other words, the pressure is directly proportional to the density. Or, if we ascend in a balloon to where the pressure is one-half of the surface pressure, the density of the air would be one-half its former density.
