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Air pressure and wind! If the air pressed down upon the sea surface everywhere with the same force there would be no wind. It is because of the uneven distribution of this pressure that there are winds. Therefore, since wind depends upon air pressure, there must be some law expressing this relation. Almost 100 years ago Buys Ballot, a Dutch meteorologist, first formulated the law which is: "If you stand with your back to the wind the air pressure is lower on your left than on your right." Actually the lowest pressure at the surface is a little forward and left, but above 1500 feet the law as stated above exactly describes the condition. The deviation from the law at the surface is due to the friction of the earth upon the wind.