

THE SUPPOSED EFFECT OF THE SHAPE OF THE
CONTAINER ON THE VOLUME OF A GAS

ABSTRACT

W. A. NOYES AND L. C. JOHNSON, UNIVERSITY OF ILLINOIS

From a discrepancy between his earlier values for the ratio of hydrogen to oxygen in water, Morley assumed that the shape of the vessel in which the gas was measured might actually affect the volume. In this investigation, both hydrogen and oxygen have been measured in tubes and in bulbs and the results show that any difference in volume which may exist is much too small to account for the disagreement as reported by Morley.

(Complete paper published in the Journal of the American Chemical Society, Vol. XXXVIII, No. 5, May, 1916.)
