



## Ozone

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By Eric Keightley Rideal

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1920 edition. Excerpt: . 9-0 volts. This value is in extremely good agreement with that calculated from the critical wave length requisite for ionisation by absorption of ultra-violet light quanta. It is evident that the requisite energy equal to  $Y_e$  can be supplied by the kinetic energy lost by an impinging electron, i.e.  $l/2mi^2$ , or by the absorption of a light quantum  $hv$  thus  $-Ve = l/2m \cdot vs = hv$ . Taking  $= 135 /m^2$  we obtain the value 9.20 volte for the value of  $V$  determined in this manner. A value of 8.6 volts being obtained by Compton ( Phys. Eev., 8, 412, 1916), by calculation of the work necessary to remove a valency electron from an atom possessing Bohr's hypothetical structure. Quantitative agreement between the yield of ozone calculated and that actually obtained has, as has already been mentioned, been shown to hold for the...



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