



Smithsonian Miscellaneous Collections Volume 71, No. 1

By Smithsonian Institution

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 Excerpt: .in winter the intensity at noon may drop about. TABLE 290.--Spectral Variation of Sensitiveness as a Function of Intensity. Radiation is easily visible to most eyes from 0.330 M (violet) to 0.770 M (red). At low intensities near threshold values (gray, rod vision) the maximum of spectral sensibility lies near 0.503 ft (green) for 90 of all persons. At higher intensities, after the establishment of cone vision, the max. shifts as far as 0.560 11. Sec Table 297 for more accurate values of sensitiveness after this shift has been accomplished. The ratio of optical sensation to the intensity of energy increases with increasing energy more rapidly for the red than for the shorter wave-lengths (Purkinjc phenomenon); i.e., a red light of equal intensity to the eye with a green one will appear darker as the intensities are equally lowered. This phenomenon disappears above a certain intensity...



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