



## Bulletin of the Southern California Academy of Sciences Volume 6-7

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By Southern California Sciences

Rarebooksclub.com, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1907 edition. Excerpt: .full pound--and its substance solid platinum, one of the most refractory of metals, it would have been melted by only 49 units of heat--provided the temperature was as high as 3230 degrees Fahrenheit. Experiment shows that when a body speeds through air 125 feet per second its temperature rises 1 degree. If its velocity is doubled, its temperature rises 4 degrees; if trebled, 9 degrees. That is, the number of degrees rise of temperature is the square of the times the velocity contains 125 feet. Allowing that our shooting star was one of the slowest, its velocity only 8 miles per second, its temperature was raised 5280 1 11419 degrees; more than three times the temperature at which even platinum melts. It seems therefore, that whatever the shooting star s substance it is quickly raised to glowing heat; that if solid it is soon...



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