



Daedalus Volume 47; Proceedings of the American Academy of Arts and Sciences (Paperback)

By American Academy of Arts Sciences

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. 1912 Excerpt: .CS2 which had been cooled in another dish with CO2 snow and ether. In this was suspended the steel shell with the mercury, which had been previously frozen. The temperature was then raised to about -42, and readings made at intervals of 0.5. The spontaneous rise of temperature of the bath during a weighing was so small as to introduce no error. During warming, the weight increases linearly, due to the larger thermal expansion of the CSa than the mercury. Melting is indicated by a rapid drop in the weight of about 0.6 gm. This drop is not instantaneous, but may extend over 1.5, showing temperature lag between the mercury and the bath while the heat of transformation is being absorbed. Completion of melting is indicated by resumption of the linear relation between weight and temperature. To find the discontinuity, in the weight, it is merely necessary...



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