

38

DATE

10-11-48

SUBJECT OF EXPT.

Cont LOCK TIME

$$E = \frac{1}{2} MV^2$$

$$E = 1 \text{ erg}$$

$$V = \frac{2.3}{T}$$

$$V = \sqrt{\frac{2E}{M}}$$

$$T = \frac{2.3}{\sqrt{\frac{2E}{M}}}$$

$$V = \frac{V_1 - V_2}{2}$$

$$V_2 = 0$$

$$V = \frac{V_1}{2}$$

$$2 \left( \frac{.300}{12} \right)$$

$$2(.0225)$$

$$\sqrt{\frac{2 \left( \frac{.300}{12} \right)^2}{67.9 \times 10^{-22}}}$$

$$\sqrt{\frac{.405}{.00467}}$$

$$= \frac{.015}{\sqrt{2248}}$$

$$= \frac{.055}{14.95}$$

$$= .00369$$

$$2 \left( \frac{.300}{12} \right) = \frac{1}{2} \frac{67.9(.0022)}{32} V^2$$

$$T^2 = \frac{4S^2}{\frac{2RS}{M}}$$

$$T^2 = \frac{2SM}{R}$$

EXPERIMENTER

DATE

WITNESS

DATE