

Homework 3

Due Thursday, February 7th in class

Read Chapters 2 & 3 of Jespersen and Fitz-Randolph

Questions from your reading to think about and answer verbally.

1. On pp. 36-7, the authors characterize Galileo's investigations of the pendulum. Connect Galileo's discoveries of what the pendulum frequency depends on to your own work in Lab 1.
2. On p. 39, the authors organize the functions of a clock into three roles:

Resonator Energy Source Counter .

Consider the admittedly silly drawing on that same page, and identify what parts of the water-clock-dog system play each of these three roles.

3. Just as a check on your processing of what we did in class last Thursday, what do you think about the notion of *simultaneity* now?