Window Testing Apparatus
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This shows both the old method of collecting data through the two black dials and displays to the left of the laptop and the new automated data acquisition system to the left of the computer and the new software displayed on the computer screen.

Purpose
The purpose of this project was to improve the window testing apparatus and continue testing window panel inserts.

Background
In the 1950s many people thought that nuclear power would make electricity extremely cheap. As a result, not much care was taken on created well-insulated industrial buildings. Today, there is now a great need to make these buildings much more energy efficient. We believe that these window inserts will be and effective and inexpensive fix to this problem of inefficiency.

Project Overview
• Continued renovations of the existing hot and cold boxes designed and built by former Calvin students
• Added a completely automated data acquisition system to collect temperature data inside the boxes
• Continued testing of window inserts produced by the Mackinac Technology Company
• Began taking data measurements on 2 frames of plexiglass located in the Vos House off campus.