INTERACTIVE MODEL FOR THE RAILROAD MUSEUM

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INTERACTIVE FEATURES

• California Tower
  ▪ Control the sound so that it chimes once an hour (simulate the real one)
• Oregon Pavilion
  ▪ Plays music that represents that of the building
• Botanical Garden
  ▪ Control the lightning
• Trolley Terminal
  ▪ Control the lightning
  ▪ Live Feed Webcam on the train or the model
MP3 SHIELD

To Do:

- Buy header
- Solder it onto the board
ETHERNET

Progress:
1. Able to connect to Dropbox link Chad provided and read the HTML code
   - However, Dropbox only allows Pro and Business users host website.

To Do:
1. Can`t connect to the Google-hosted website (when connected, it says the website has been moved)
2. Set up server.
WHEN CONNECTED, HTML IS READ
PROPOSED COLLABORATION
RASPBERRY PI

Two formats to streaming

1. RTMP
   - Able to stream in to websites such as Ustream
   - However, lag is more than 10 sec

2. MJPG
   - Lag time is acceptable, but not the quality
   - Proposed format for collaboration with Shimojo sensei’s student

Collaboration with NICT and Osaka University

1. Stream MJPG to server
2. Server distribute different quality data depending on device (save battery)
Kobe Beef in Kobe
It literally melts in your mouth.

Learning Japanese the American way