Set tank so that opening in rim of base projects from \(\frac{1}{2}''\) to 1” over the edge of the sink. Connect water supply to inlet of tank with 5-foot length of \(\frac{3}{4}''\) laboratory type rubber tubing. Adjust water supply so that a small amount of water continually runs out the overflow, thus keeping the pressure at the orifices constant.

Note that, as the jets arrive at the horizontal plane through the base of the water column:
(1) The jet from the orifice halfway up the column is projected horizontally farther than either of the other jets;
(2) The other two jets, which are respectively equidistant from the top and the bottom of the column, are projected equal horizontal distances.

**Note:** A jet halfway up the column actually has a maximum range; any two jets respectively equidistant from the top and the bottom have equal ranges. Proof of these statements makes a nice problem for the student.

**Note:** Upon starting, occasionally an air bubble trapped in one of the orifices will cause turbulence in the jet. A pencil point inserted into the orifice will eliminate the difficulty.