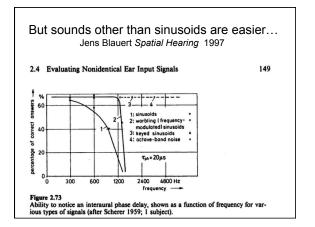
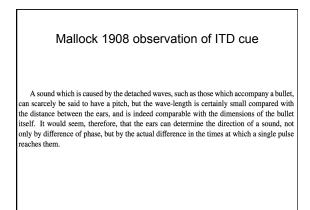


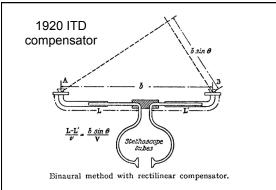
Phase is ambiguous above about 650 Hz.

Thus, although there might be right and left sensations from sources obliquely situated, these sensations would fail when most needed, that is when the source is really in the line of the ears. In this case a perception of phase-differences would seem to do more harm than good. At a pitch a little higher, ambiguities of a misleading and dangerous kind would neccessarily enter. For example, the same sensations might arise from a sound a little on the left and from another fully on the right.

On the whole it appears that the sensation of lateralness due to phase-difference disappears in the region of pitch where there would be danger of its becoming a misleading guide. ... It is fortunate that when difference of phase fails, difference of intensity comes to our aid.







World War I era directional listener using a linear compensator to compeave arrivals (Drysdale, 1920). The dashed line on the left is a wavefront

