The two transparencies provided can be used to show how spherical wave fronts from two sources interfere to produce maxima and minima. The following is excerpted from the September 1986 "AAPT Announcer".

"Tape the bottom transparency to the stage to hold it motionless and slowly slide the upper one to the left. At first a bright maximum will appear. Then as the distance is increased, first order maxima and then second order maxima will be projected on the screen.

Superimpose both transparencies on your overhead projector. The white dot at the bottom represents a source of circular waves. The long vertical line helps to locate the dot. Several shorter lines are reference guides for separating the "sources" during demonstrations."

Ideally this demonstration should be accompanied by another showing an actual double slit pattern; e.g. LH-5