

## "STEREO" HEADPHONE SOUND

**Q.** My stereo headphones don't sound "stereo", but rather like two separate sound sources. Why not? Can I build a circuit that will make them sound stereophonic?

—D. Whelan, Jersey City, NJ

**A.** "Stereo" headphones have two electrically and acoustically separate channels. Loudspeakers, on the other

hand, have a certain amount of acoustical "crosstalk" or blending between them. The circuit shown will electrically introduce the appropriate amount of crosstalk (in both amplitude and phase) to make the headphones sound "stereophonic" rather than "binaural". Be sure to use non-polarized capacitors. If you can't find the required values, use smaller capacitors, paralleling them until the desired capacitance is reached.

