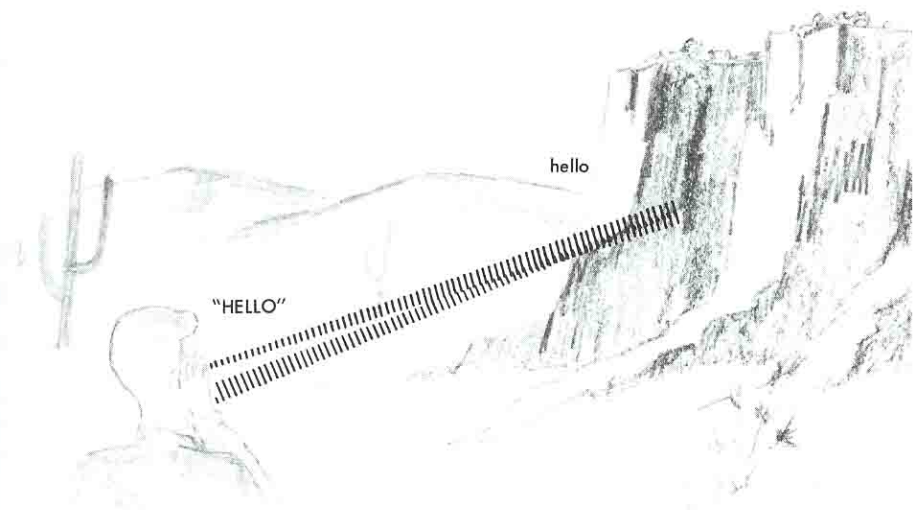
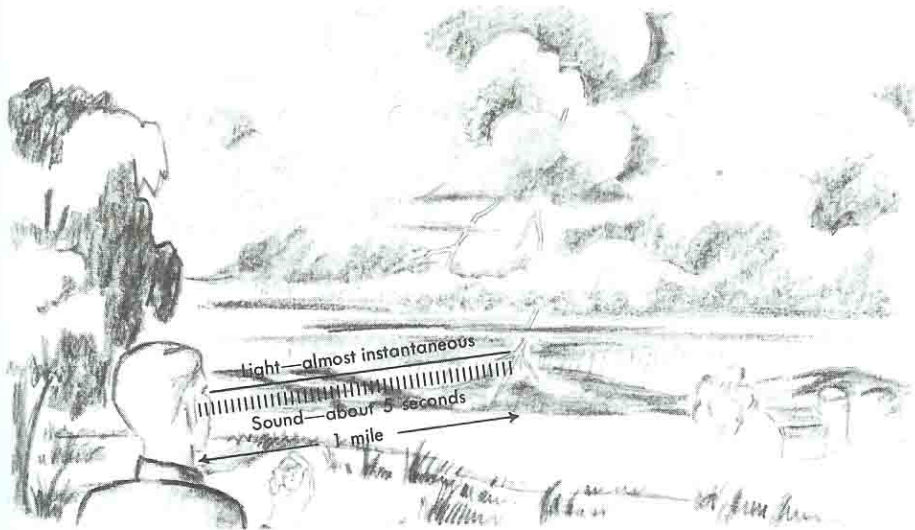


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takes sound to travel through air if someone in your class stands about 1/4 mile away and strikes a piece of iron with a hammer.

An *echo* is the reflection of sound waves from a distant object, so that the returned sound is heard as being dis-

tinct from the sound sent. How long after you shout would you be able to hear an echo that was reflected from a large building 1/2 mile away? Remember, the sound would need to travel the half mile out *and* back. The answer is 5 seconds.



Echo—the reflection of sound waves