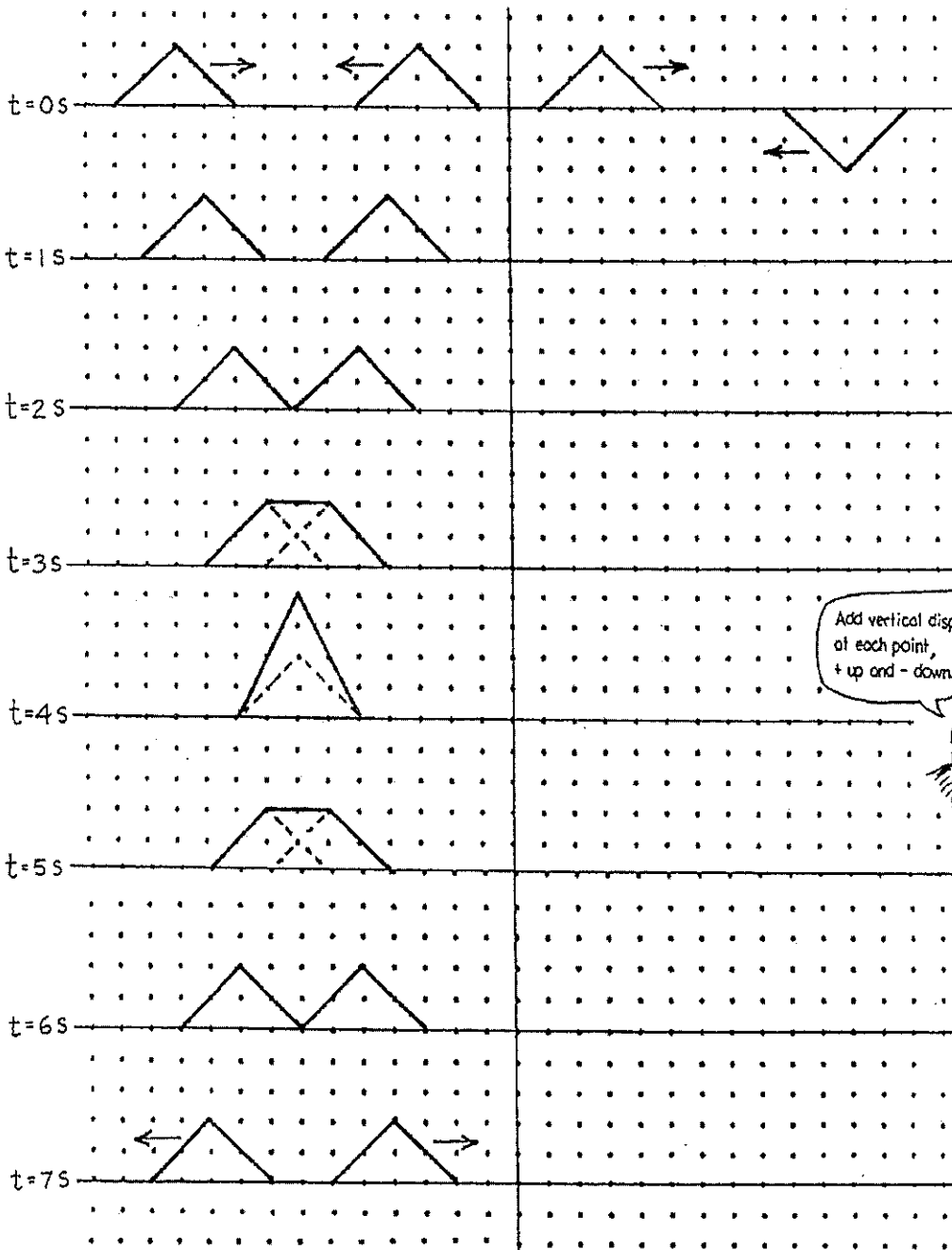


CONCEPTUAL *Physics* PRACTICE PAGE

Chapter 20 Sound Wave Superposition

A pair of pulses travel toward each other at equal speeds. The composite waveforms, as they pass through each other and interfere, are shown at 1-second intervals. In the left column note how the pulses interfere to produce the composite waveform (solid line). Make a similar construction for the two wave pulses in the right column. Like the pulses in the first column, they each travel at 1 space per second.



Add vertical displacements at each point, + up and - down.

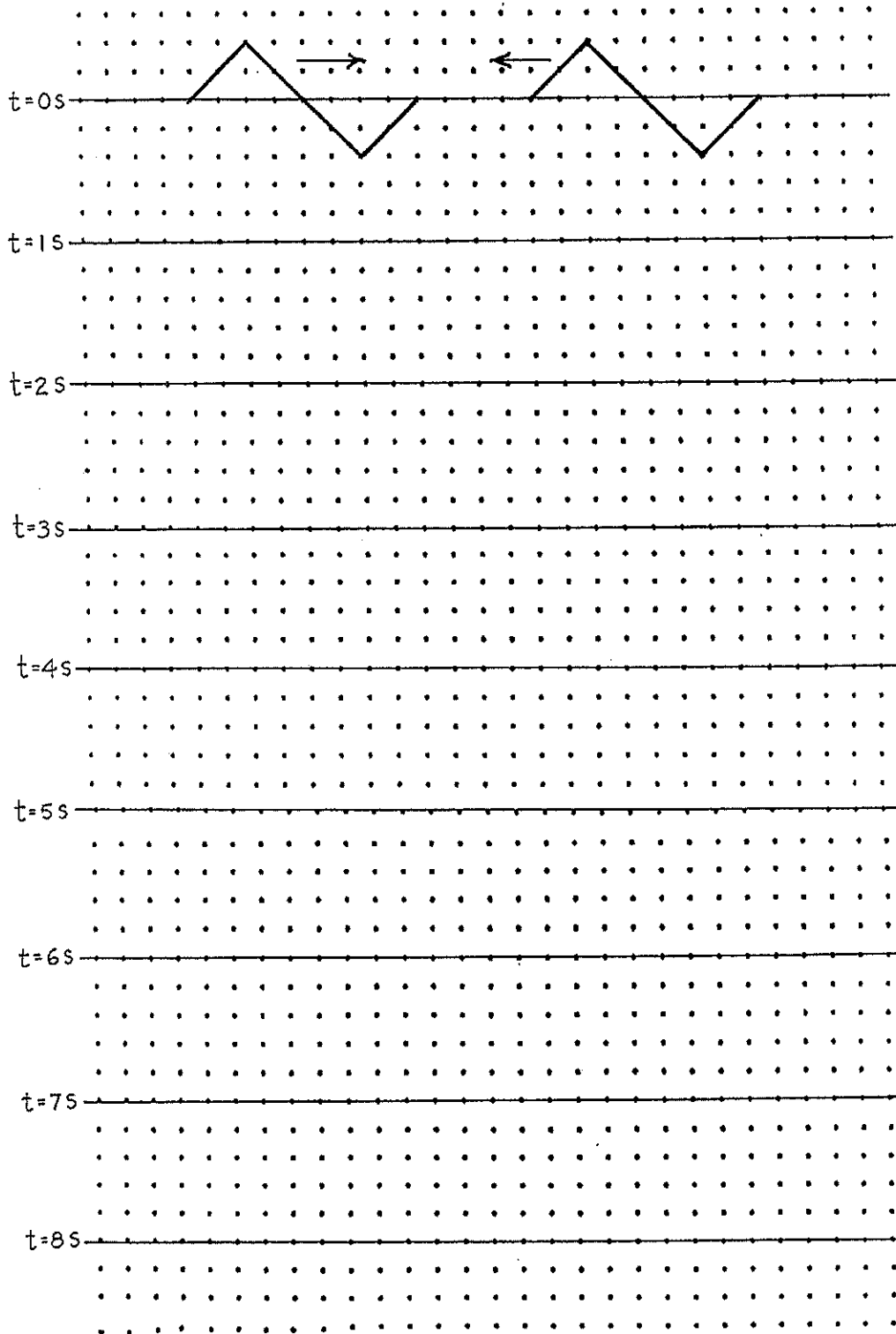


thank to Marshall Ellenstein

Hewitt
Draw it!

Chapter 20 Sound
Wave Superposition—continued

Construct the composite waveforms at 1-second intervals for the two waves traveling toward each other at equal speed.



Hewitt
Drewitt!