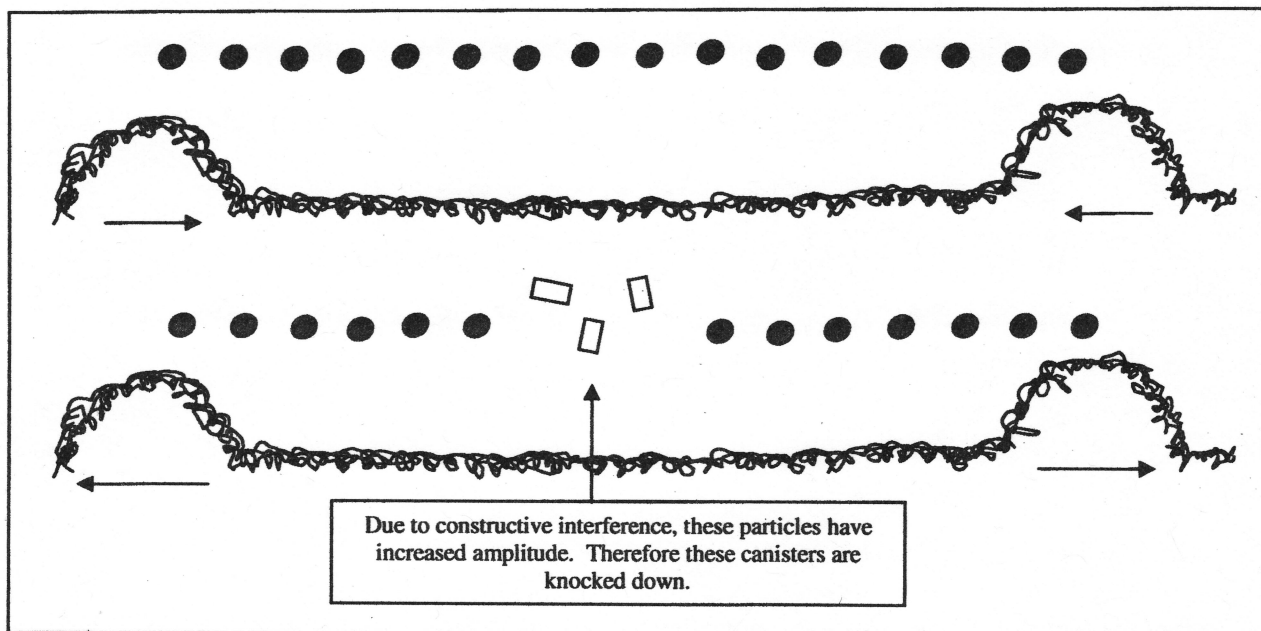


# THE DEMONSTRATION CORNER

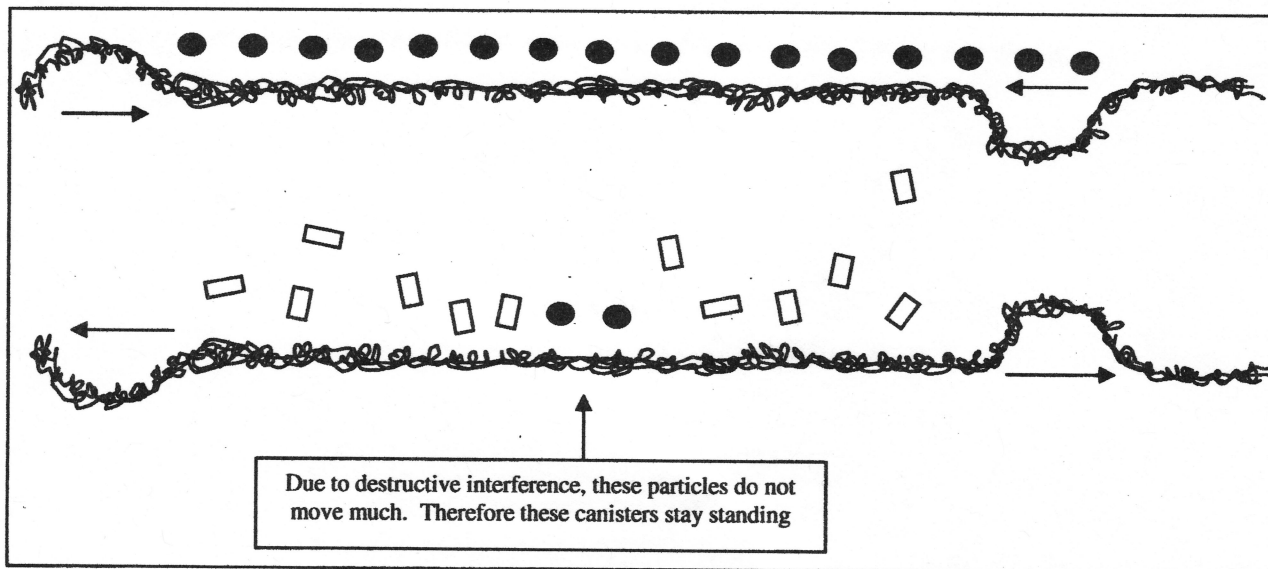
## Superposition Principle – Kicking the Canister by Diana Hall, St. Charles North HS, Illinois

My students have fun predicting which canisters will get knocked down in an interference demonstration. We stretch out a long spring across the classroom floor. We then line up film canisters (or other substitutions) alongside the spring. Students predict which ones will get knocked over and which will be left standing. They must also say why.

### *Constructive Interference*



### *Destructive Interference*



Column Editor: Ernie McFarland, Physics Department, University of Guelph, Guelph, Ontario, N1G 2W1  
Email: [elm@physics.uoguelph.ca](mailto:elm@physics.uoguelph.ca)

Submissions describing demonstrations will be gladly received by the column editor.