**Deluxe Resonator Set**

**#700-DIFMRB**

**Demonstration Instructions**

**CONTENTS:**

1ea. Fixed Frequency 256 Hz. Heavy Duty Tuning Fork  
1ea. Adjustable Frequency (256 Hz to 255 Hz.) Heavy Duty Tuning Fork  
1ea. Large Rubber Hammer  
2ea. Calibrated Walnut Resonance Boxes  
2ea. 1/4 - 20 Hex Head Bolts  
2ea. 1" Diameter Washers  
2ea. 1-1/4" Diameter Washers

**ASSEMBLY**

1) Put small washer on bolt and insert through hole from the inside of the box.  
2) Place large washer between bottom of fork and resonator box and tighten.

**DEMONSTRATE SYMPATHETIC VIBRATION (ACOUSTICAL RESONANCE)**

1) Both forks must be tuned to 256 Hz.  
2) Set the adjustable forks weights (with brass thumb screws) on the lower of the two scribed lines.  
3) Place boxes 2 - 3 feet apart, with open ends facing each other.  
4) With hammer provided, strike the adjustable fork allowing it to ring briefly, then silence it.  
5) The other fork will continue to vibrate sympathetically

**DEMONSTRATE AUDIBLE BEATS (PHENOMENON OF BEATS)**

1) Set the adjustable forks weights to 255 Hz. by moving the weight of the right tine to the upper scribed line.  
2) Position the two boxes with the open ends away from each other and towards the audience.  
3) With the hammer provided, strike each of the resonator forks.  
4) You will hear the audible beats approximately 1 second apart. This will sound like a wah-wah-wah.  
5) If there is difficulty hearing this try turning the boxes so that the closed ends are facing each other.

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**Quality Is Our Only Business**

Tuning Forks for Medical, Educational, Musical, Radar, & Railroad Needs