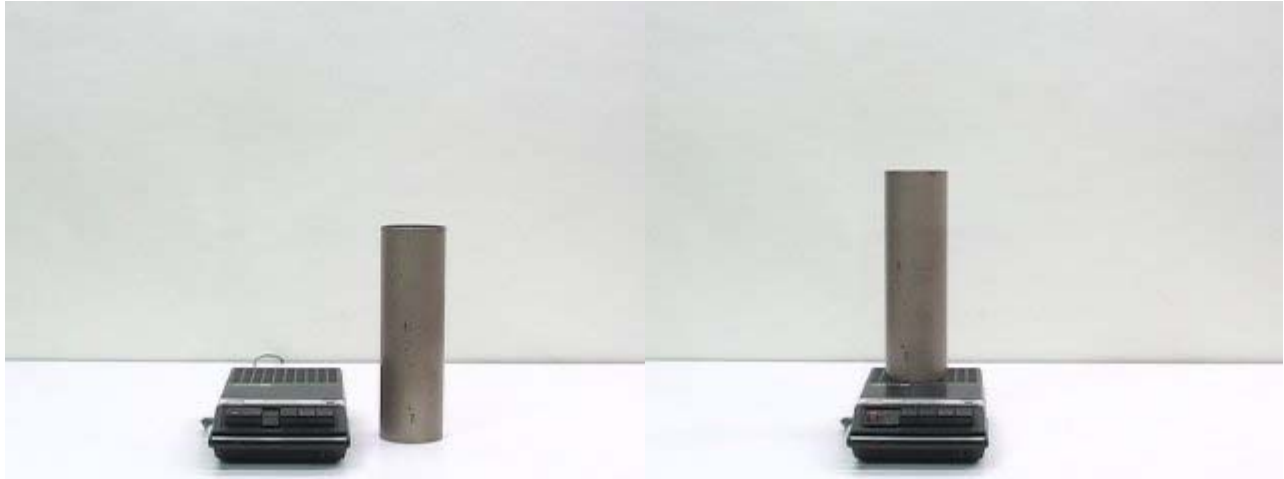


Question #271

A tape recorder plays a tape of broadband noise. Click on the photograph at the left below to see the setup and hear the noise.



Now suppose that the tube standing off to the right of the tape recorder is placed on the loudspeaker (the area at the rear of the top of the recorder with the holes) so that the sound from the loudspeaker comes up through the tube, as seen in the photograph at the right above. How will that change the sound of the noise emanating from the speaker, if at all.

With the tube in place, the sound of the noise from the loudspeaker will:

- (a) sound like a sine wave tone due to resonance in the tube.
- (b) sound like noise with a tone superposed.
- (c) remain largely unchanged.
- (d) cease, due to resonance absorption by the tube.

Click here for [Answer #271](#) after January 29, 2007.

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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).