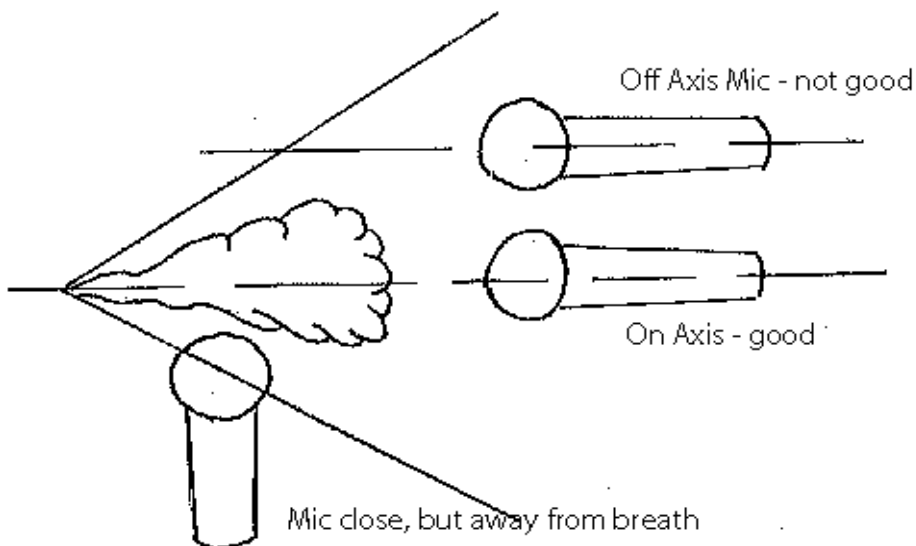


## Microphone Placement

The ideal place to put ANY microphone for vocal pickup is somewhere within the voice projection cone, but away from the breath. Although an off-axis microphone (as shown in the figure) is inside the voice cone, many microphones have difficulty picking up the sound. To make an off-axis microphone pick up sound, hold it closer to the mouth as shown with the vertical microphone in the figure below.



### **Close?**

Holding a microphone close has the following advantages:

- The microphone gains can be turned down which help eliminate system noise and feedback.
- Deeper frequencies can be picked up making your voice richer

### **Far?**

Holding a microphone farther away has the following advantages:

- Keeps the breath from distorting the signal
- Harder to place the microphone off-axis

### **The best spot?**

Starting with about 6-8 inches, speak directly in the microphone. See if you can bring it closer without your breath distorting the signal. The audio technician can adjust the gain and the volume for added best results.