

- The first neuron says:

"My messages come from muscles. One comes from muscle spindles, and it tells the spinal cord and brain about muscle length. Another comes from muscle tendons and it tells about tension or force.

- The second neuron says:

"My messages come from the skin and tell about touch. Touch can be feather light [he or she mimics a feather falling] or can be heavy [mimics a heavy load by allowing one fist to fall heavily into the other], thud! Some messages tell about pain [mimics pain], ow, ouch; some tell about vibration [shakes all over like she is vibrating], warmth [mimics being warm] hmmm, hmmm; and cold [shivers and says] brrr, brrr.

- The first neuron says:

"My messages can tell the spinal cord what to do even if they don't reach your brain. For example, if you tap your knee, it will jerk out, even if the message cannot get to your brain.

- The second neuron says:

"My messages can do that too! If you touch a hot plate, your hand will pull back even before your brain knows it has touched something hot.

- They both say together:

"These messages make maps in the Sarah Bellum and in a place just behind the place for moving. [Diagram 1 comes on above the stage.] That way your brain knows what your body is doing even if you don't know. You can feel these sensations from your skin and know where your body is in space. [One neuron says,] The left side of your body sends messages to the right side of your brain, and [the other neurons says] the right side of your body sends messages to the left side of your brain. [Both together they say] That way your muscles and skin get mapped onto the Sarah Bellum and just behind the special place for moving. So you can know what is going on. [Diagram is turned off.]

"Neuroscientists learn about these maps by listening to us neurons through long thin antennae. Just like they listen to the motor maps in the special place for moving. [One says:] Shh! [She holds a finger to her lips.] Don't look now. But here comes that Neuroscientist again. [They crouch and look away keeping still and silent with their hands over their mouths.]

- The same neuroscientist as before enters the spotlight area carrying the antenna. She advances to the neurons with one end of