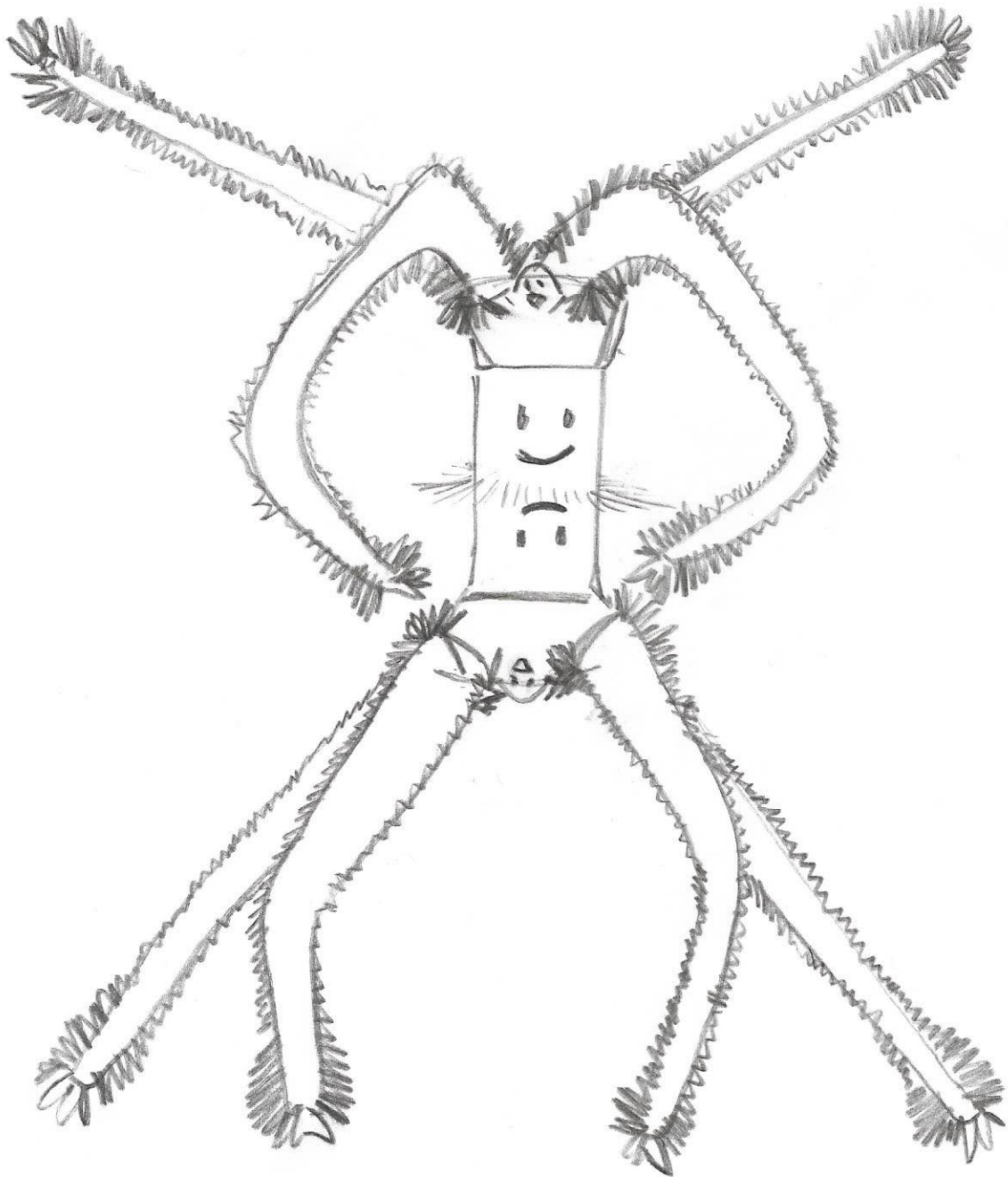
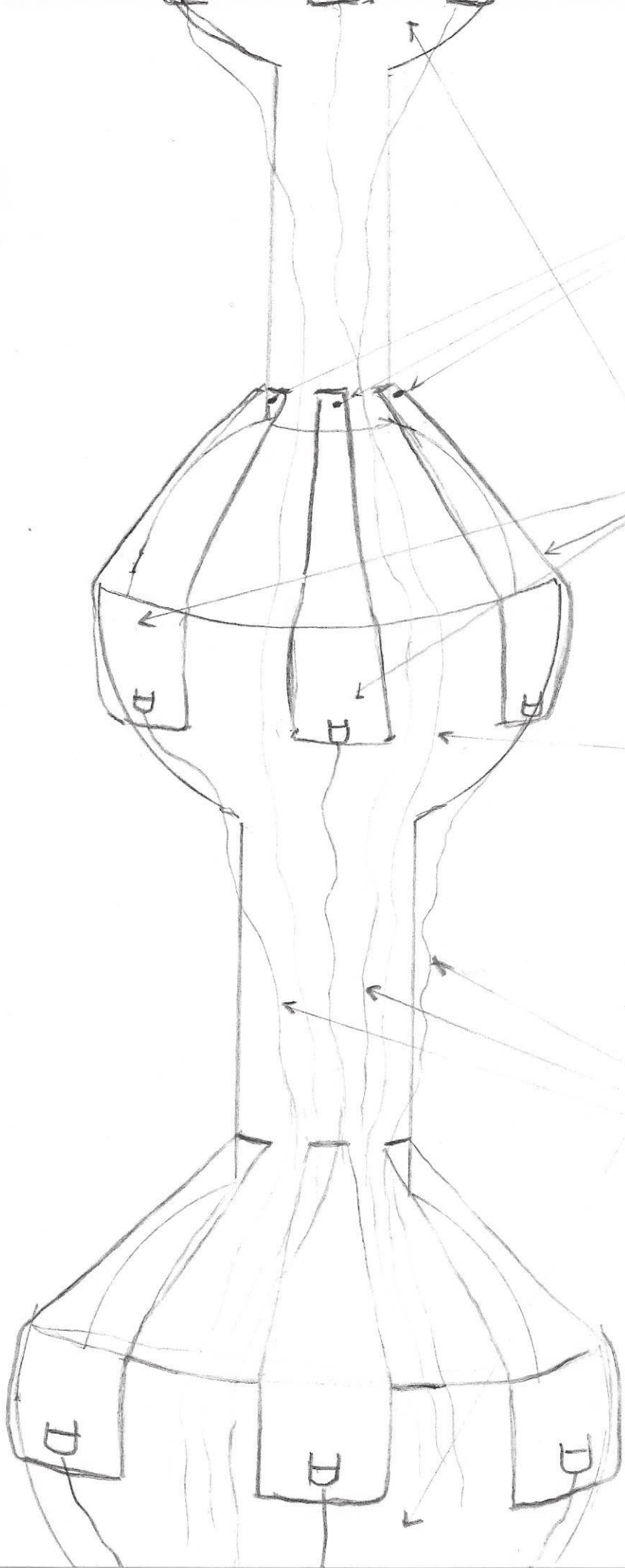


Jake the Talking Octopus



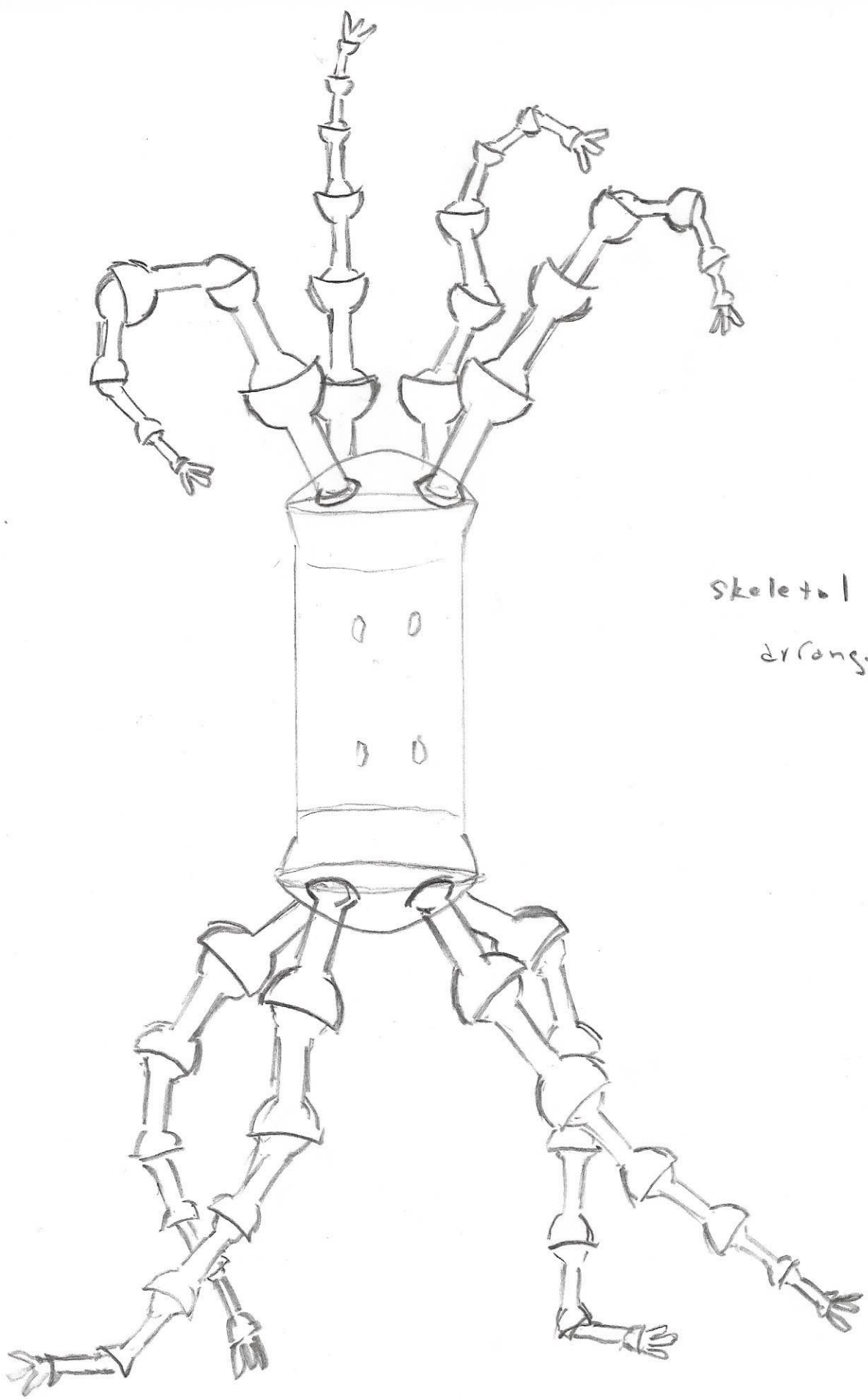


tension
sensors
(input)

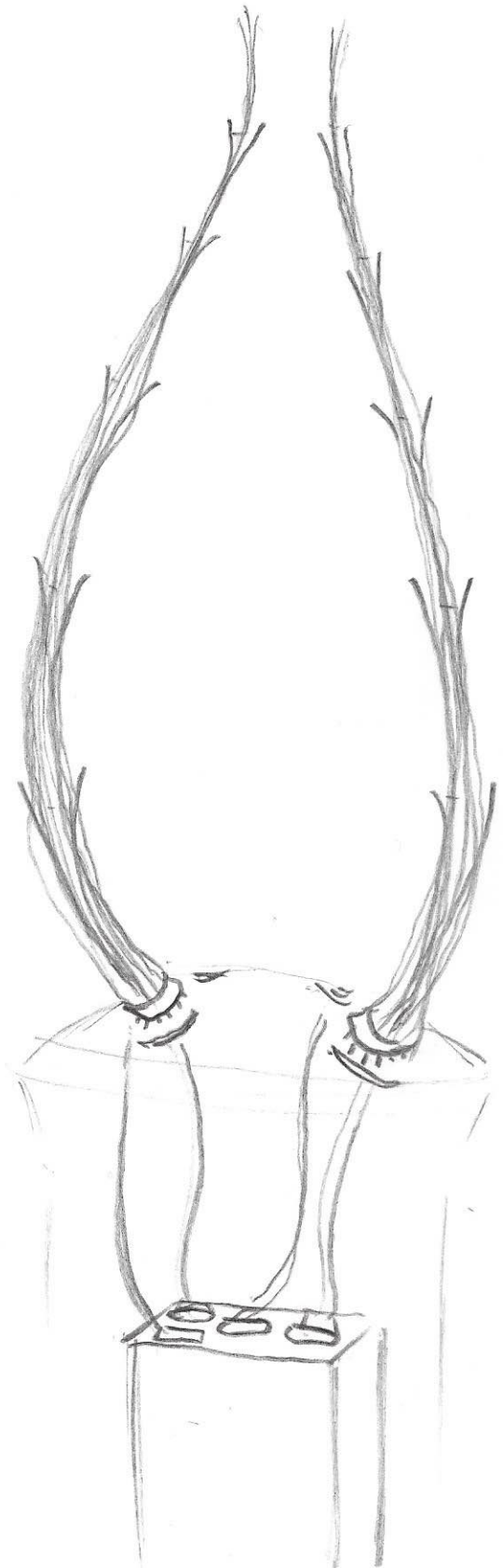
elastic
bands capable of
degrees of contrac-
tion under voltage
control.

ball joints

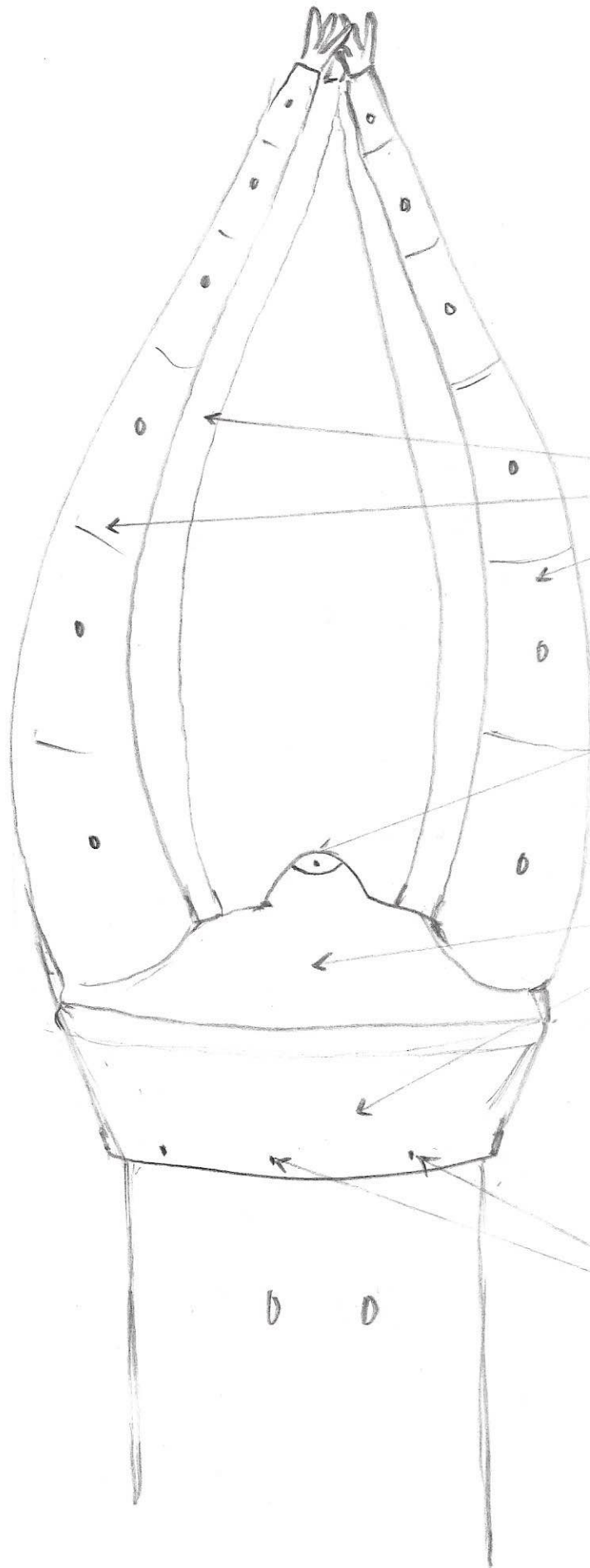
control wires
plugged to
bands, return-
ing to body
(output)



Skeletal
arrangement



actuator wiring
(skeletal system
takes output of
CPU.)



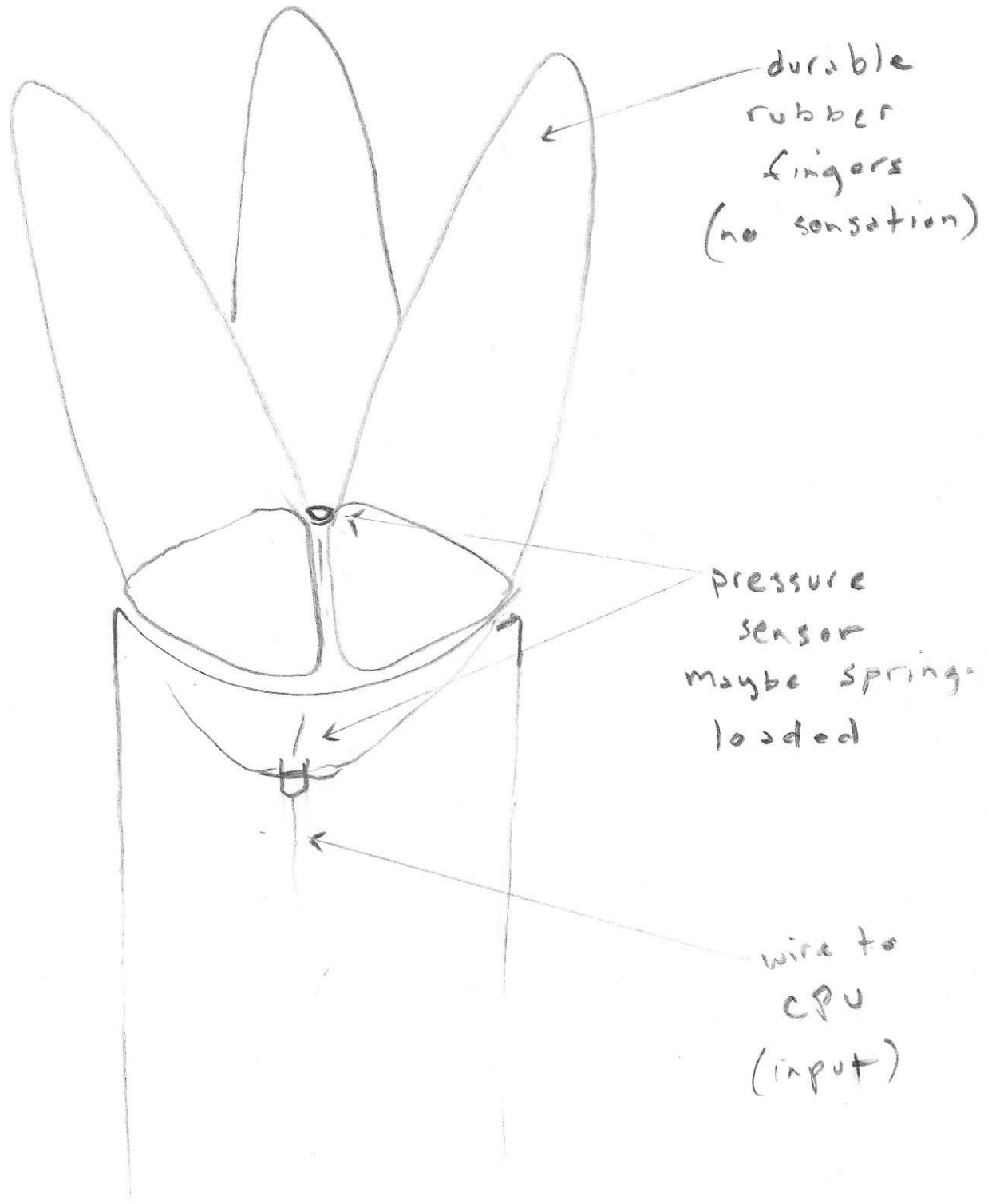
elastic sleeves
embedded w/
sensors.

cameras, microphone,
speaker
embedded assembly

sleeve is all one
piece, like a wet-
suit, and joins
body in a water-
proof seam

stainless screws
lock on skin
assembly
at seam

hand (8)
one at end of each arm



eyeball
(one on
each
end)
embedded in skin

cameras (4)
simplified
pixels (input)

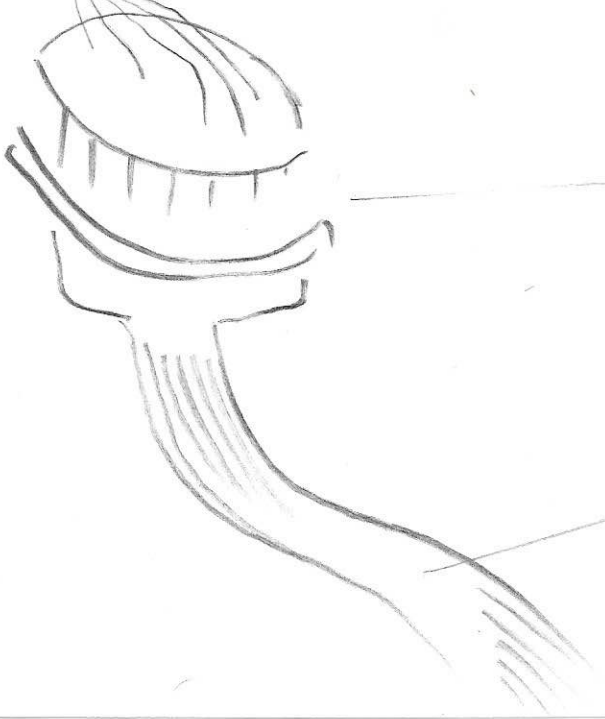
microphones (2)
(input)

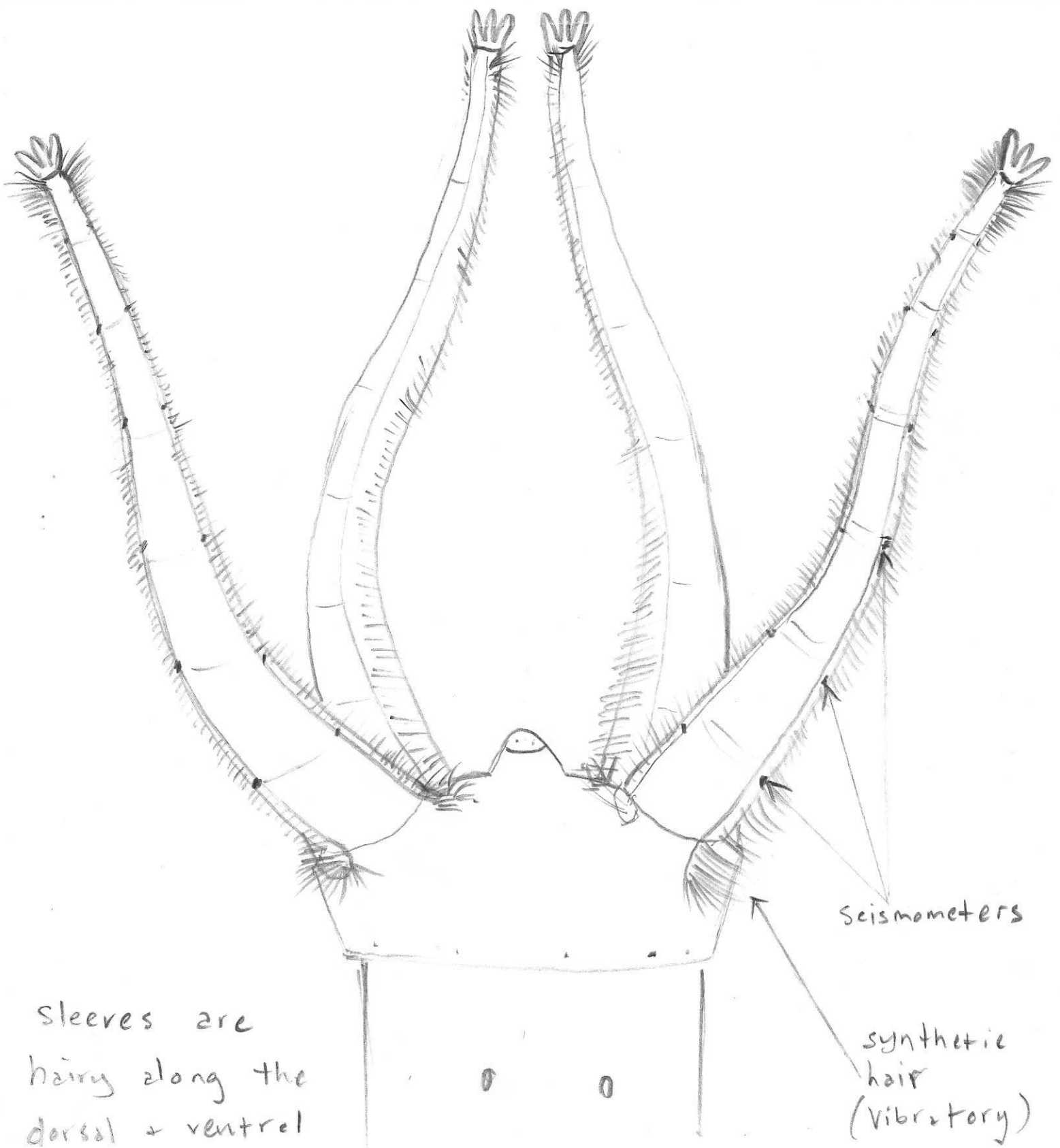
speakers (2)
(output)



plug connection
to body

Wires to CPU
internal to
body





Sleeves are hairy along the dorsal + ventral path, to carry

vibration to sensors (seismometers) located between each joint