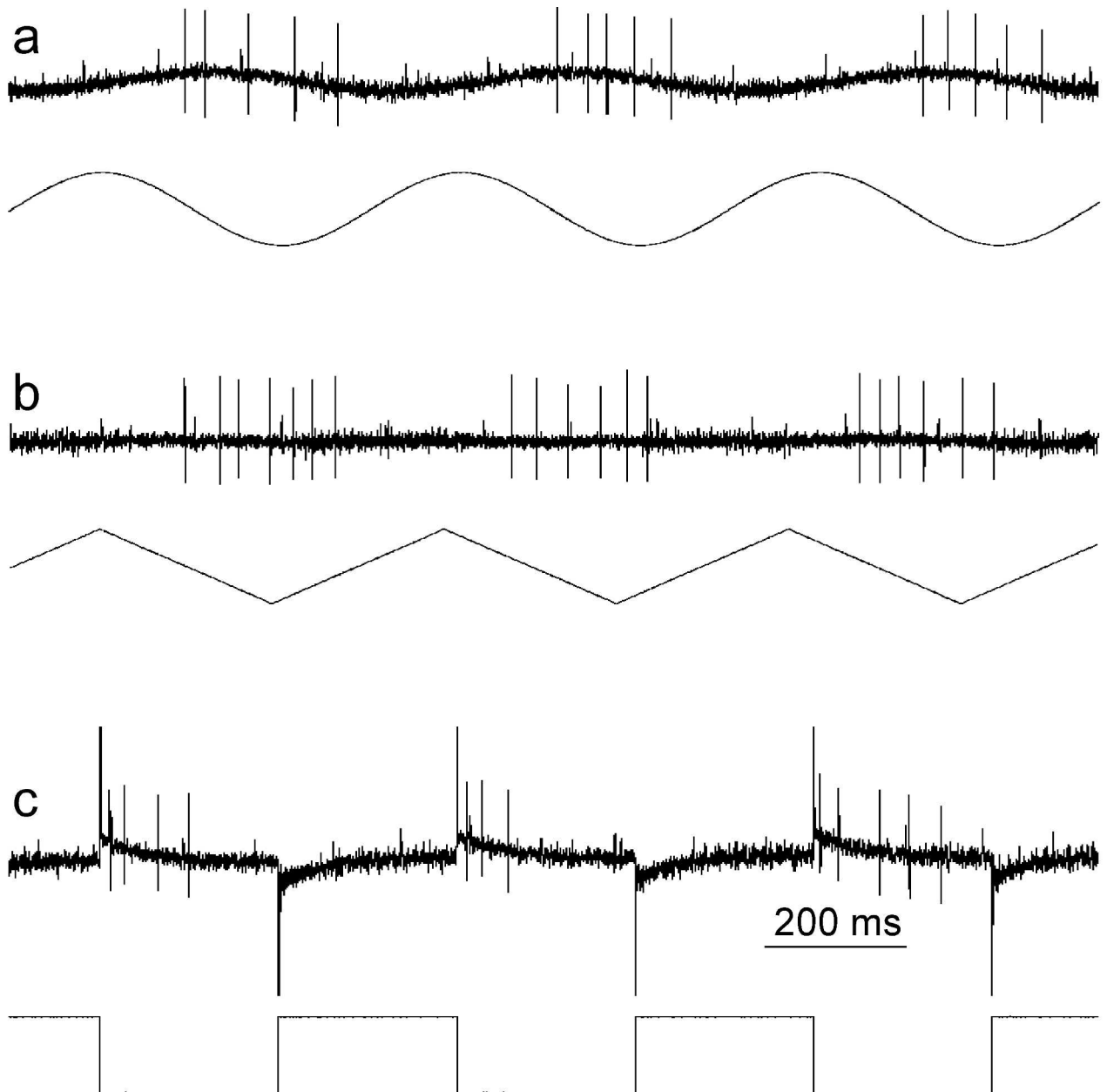




Supplementary Figure 1

Response of a sensory pit afferent to electric fields modulated at 2 Hz in sinusoidal (**a**), triangular (**b**) and rectangular (**c**) fashion. The pit was located on the mesothoracic tergum and the stimulating wire was positioned approximately 800 μm distant above the tergite of the third abdominal segment. The stimulus amplitude was 2V peak-peak. All three panels show unfiltered recordings. This explains the baseline modulations in **a** and **c**, and the stimulus artifacts in **c**.