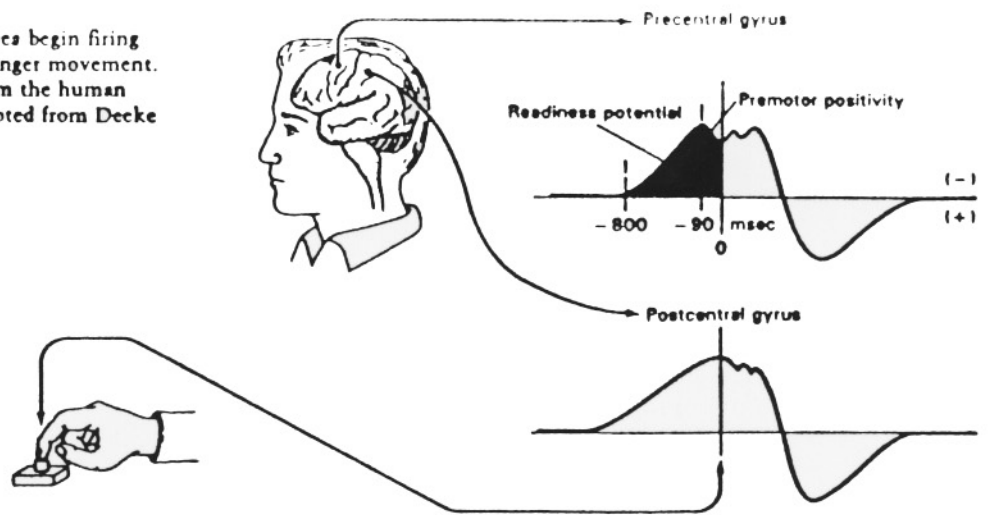


FIGURE 40-12

Neurons in the lateral premotor area begin firing about 800 ms before a voluntary finger movement. Traces are based on recordings from the human scalp over the frontal cortex. (Adapted from Deeke et al., 1969.)



*Larger RP for conscious*

*Unconscious from lateral system*

*conscious from medial*

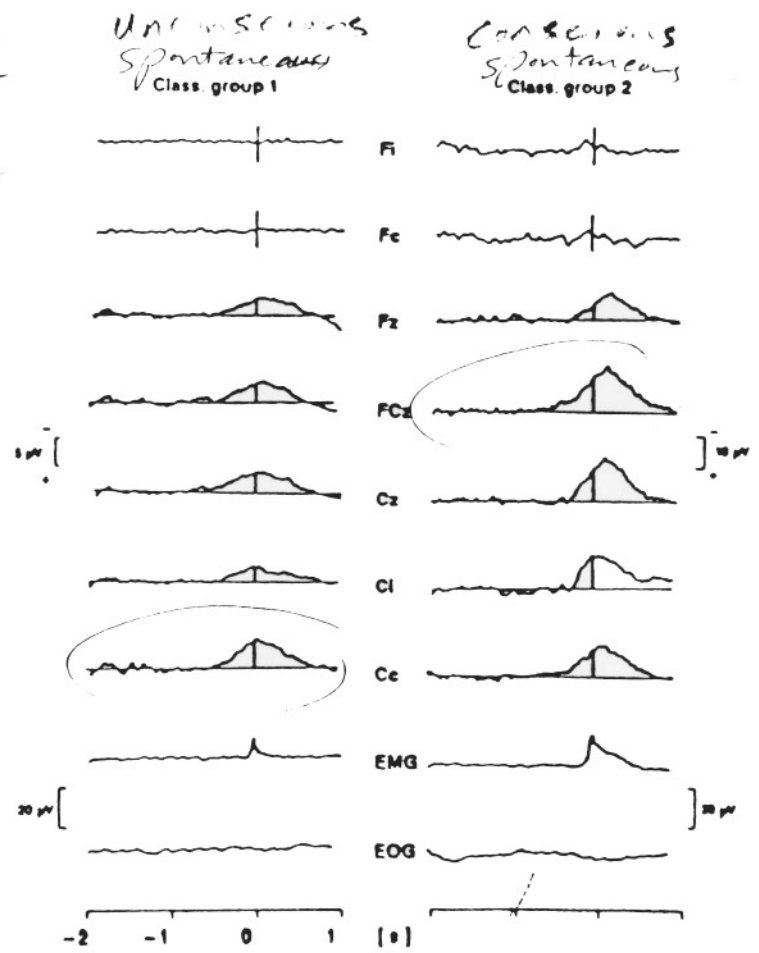


Fig. 4. Grand averages across all 8 subjects associated with unconscious motor acts (classification group 1, 102 trials) and conscious spontaneous movements (classification group 2, 175 trials). Electrode positions according to the international 10-20 system. Fi, Fc, Ci, Cc: F3, F4, C3, C4 for ipsilateral (i) and contralateral (c) movements. The solid vertical line indicates the EMG zero time.