

**CIGARETTE AND AFFECTIVE CUE REACTIVITY EFFECTS IN FEMALE SMOKERS.** Paul S. Leonard and Thomas W. Lombardo. University of Mississippi, University, MS.

We investigated the effects of both positive and negative affective cues plus smoking and control cues on physiological and self-reported responses in smokers. Imaginal scenes to

induce positive, negative, and neutral affect were presented to 18 female overnight abstinent smokers while they either took a puff from a cigarette without inhaling (cigarette cue) or held a pencil (neutral cue) in a within subjects design. Anger imagery increased desire to smoke about 70% above neutral imagery, and there was a cue  $\times$  affect interaction on desire. The cigarette cue tended to increase heart rate and skin conductance response frequency.