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**Aspects of responses to community noise in selfreports, autonomous as well as central nervous system activity**

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Results of 3 studies on psychological and somatic noise effects will be presented. (1) Selfreports of physiological reactions to noise were collected in samples from different environmental noise situations. (2) Psychophysiological responses to noise stimulation with and without mental load were investigated in a field experiment. The effects of seven types of (community) noise on autonomous reactions were examined. (3) In a laboratory study the effect of a combined environmental background noise stimulation on brain activity related to visual spatial attention was examined. Results indicate an inhibitory cortical activity caused by noise.