RESEARCH OBJECTIVES

The basic objective of our research in sensory communication is to provide a better understanding of the fundamental problems underlying the development of sensory aids for people who are blind or blind and deaf. Current and projected work includes studies of (a) tactile transmission of Braille-like codes; (b) tactile-kinesthetic transmission of stenotypelike codes; (c) tactile-kinesthetic perception of planar shapes, including modified and enlarged letter and word shapes; (d) communication by means of the thermal sense; (e) communication by simultaneous stimulation of two or more sensory modalities; (f) picture processing for drastic reduction of information content; (g) detection of skin potentials; and (h) eye-movement measurements.

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