8:55-9:10 (431)

Regional Cerebral Blood Flow and Episodic Memory Retrieval. ENDEL TULVING, *University of Toronto*, JARL RISBERG, & DAVID H. INGVAR, *University of Lund, Sweden*—Data are reported from a preliminary study comparing patterns of regional cerebral blood flow (rCBF) in normal healthy subjects silently thinking about personal episodes from the distant or recent past, or about impersonal old and recent historical facts. Gamma radiation from intravenously administered radioactive isotope of gold (Au^{195m}) was simultaneously recorded from 254 cortical locations. Activation of cortical gray matter was relatively greater in the frontal and prefrontal regions during episodic than during semantic retrieval.

NEUROPSYCHOLOGY

Red Lacquer Room, Saturday Morning, 8:00-10:30

Chaired by Peter J. Lang, University of Florida