Abstract
During the predominance, in the cognitive science, of the classic symbolic-computational paradigm hardly was paid attention to the neuro-biological study of the consciousness. With the appearance of the connect-ist models which start of a more naturalized and less abio logic concep-tion of the psychology, was taken a radical turn in this subject. Since this current the explanation of the mental phenomenons needs to include references to the biological support because is taken like a computational model the running of the nervous system. After describing the works of the neuroscientist about the neuronal correlates on the consciousness, we analyze since a critical perspective, the limitations and the weaknesses of them refered basically to the conceptual troubles of the connectionism, to the objections to the localizacionism, to the limitations of the cerebral im-age techniques, to the lack of establishment of the brain-mind causal rela-tions and to the exclusivist and reductionist pretension of the most part of the investigations.

Keywords
consciousness, neuroscience, connectionism, neuroimage thecniques, neuronal correlates.