A ‘holographic’ sign as a package of multimodal information: research hypotheses

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This analysis takes as its departure point the theoretical framework which I have been building for several years now, and which I refer to as the ecology of language and communication (i.e. ecolinguistics) (Bogusławska-Tafelska, 2008, 2011; 2013; 2015) and relates it to multimodality of communication channels. In the first part of the paper, ecolinguistics is delineated with reference to this chosen paradigmatic and methodological unfolding and its relevance for the multimodal communication; Also the ‘epistemological lesson of quantum mechanics’ is introduced (Bohr as cited by Plotnitsky, 2010). In the second part of the paper, the way I define the human mind, and the way I define the ‘sign’ are presented being the elements of the ‘eco’ theory of human language and communication, their role in the communicative processes being delineated.

The ecolinguistic paradigm has located itself outside the current research paradigms of mainstream linguistics for the fundamental ontological, epistemological and methodological reasons. While analysing life phenomena - human language being one of life processes as proposed by ecolinguists - we can adopt either ‘classical thinking’ - to operate within the Newtonian model; or ‘nonclassical thinking’ to operate within the post-Newtonian model (Plotnitsky, 2004; Walach and von Stillfried, 2011). Hence, in my ecolinguistic model building it was a natural choice to choose the post-Newtonian model of reality because it is the most recent one. The ecolinguistic proposals in the current study are formulated with reference to such interdisciplinary models as Generalised Quantum Theory (Atmanspacher, Romer and Walach, 2002; Walach and von Stillfried, 2011), Quantum Brain Dynamics (cf. Globus et al. 2004) and Giulio Tononi’s consciousness-as-an-information-field model (Tononi, 2012).

The ecolinguistic model of the language/communicational process, constructed on such foundations, indeed challenges the formal or cognitive linguist’s mindset and his/her general intuitions. In it, the sign is proposed to have a holographic nature being a package of multimodal information to be received by the multimodal communicative mechanism in the human communicator; the mind is a participant in the communicative process, not the ultimate reference mechanism.

In this context, the linguistic sign, in its singularity, starts to function as a ‘hologram’, to use this term more as a metaphor rather than a specialized concept (hologram being a three-dimensional compression of a multidimensional picture of an object; each element of the hologram contains the whole). The sign is co-profiled universally and exhibits a process-like, emergent, momentary nature. One sign when sent by the multi-modal organism is of a multimodal nature; in it, the totality of the message is compressed, to be decomposed and read by the receiving living system(s). The message an organism intends to send through sign(s) can be described/understood as a package of multimodal informational load to be internalized by the receiving living system in the communicative process. All human communicators have this multimodal mechanism available to them. Without the awareness of
being in possession of these resources, though, most communicators today focus only on the audio-visual modality (Boguslawska-Tafelska, 2013; 2015).

References


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