

There has been an ongoing inquiry of the degree to which the hands and mouth integrate in sign language (Sandler, in press; Vogt-Svendsen, 2001; Hohenberger and Happ, 2001). It is difficult to determine what linguistic status mouthing has. Some believe mouthing is an integral component of sign languages while others dismiss it as having no status in the language (Hohenberger and Happ, 2001).

A current claim is that part of the natural language instinct involves the hand and mouth working together to create «symbolic symbiosis» (Sandler, in press). The existence of mouthing and signing coordination strengthens the case for the instinct to use the hand and mouth in producing language. Research in the evolution of language has proposed a biological link between hand and mouth (Armstrong et al., 1995), or that humans first gestured, then spoke (Arbib, 2005). As speech and gesture seem to only have success when somehow combined (McNeill, 1992), the same appears true for mouthing with manual signs. The two systems are very different, yet support each other (Sandler, in press). In a similar vein, bilingual bimodals use phonetic mouthing to support manual signs in interpretation (Weisenberg, 2009).

Ebbinghaus (1998) remarks that in International Sign Language (ISL), mouthings are restricted since the patterns of iconic mouthing or types which reflect phonological remnants might inhibit mutual comprehension between foreign deaf. Moody (2007) specifically teaches interpreters not to utilize mouthing during ISL trainings. Rather foreign deaf conversations exploit the iconic nature of manual gestures. Goldin-Meadow and McNeill (1999) suggest that the «oral modality is *not* well suited to conveying messages mimetically...» (p. 155). In sign languages the mouth does in fact do a poor job of conveying phonological information from speech (Keller, 2001). One must not overlook the fact that signing without mouthing is an option, just as gesturing is not mandatory with speech.

This is a preliminary examination of foreign-to-foreign deaf interactions with users of Russian Sign Language (РЖЯ) in contact with American Sign Language (ASL). A comparison of mouthing patterns of РЖЯ and ASL reveals why signers do not benefit from, and do avoid, each other's mouthings in foreign-to-foreign communication. Briefly, in РЖЯ there are signs that have a mandatory co-articulated lexical mouth gesture of “tongue-tip” such as Любопытный (‘curious’), Самый маленький (‘very small’), Псих (‘loony’), Насмехаться (‘mock’), Пропустить (‘let slip’), whereas in contrast, ASL displays different mouth formations such as “mm” for ‘curious’ or “bop” for ‘let slip’. The avoidance is further substantiated by comparing РЖЯ mandatory lexical mouth gestures with phonetic mouthing in ASL for signs such as LEAVE or WILL or, likewise, with adverbial mouth gestures using the tongue which traditionally convey *distance* in ASL (Bridges & Metzger, 1996). Foreign-to-foreign signing encapsulates a very primitive interaction with the mimetic capacity of the hands fully exploited.

This exploration is significant to educating gesture linguistics about the sign-phonetic interface of the uncommonly studied РЖЯ, and questioning the role of the mouth in sign language communication, if we are to build on and refine our theory of bimodal language in humans.

- Arbib, M. A. (2005) The Mirror System Hypothesis: How did protolanguage evolve? In Maggie Tallerman, editor, *Language Origins: Perspectives on Evolution*. Oxford University Press.
- Armstrong, D. F., W. C. Stokoe, and S. E. Wilcox. (1995). *Gesture and the Nature of Language*. Cambridge: Cambridge University Press.
- Bridges, B. & M. Metzger (1996). *Deaf Tend Yours: Non-Manual Signals in ASL*. Silver Spring, MD: Calliope Press.
- Ebbinghaus, H. (1998). Warum deutsche Wörter wesentliche Bestandteile der Deutschen Gebärdensprache sind (Teil II). *Das Zeichen*, 46, 594-611.
- Goldin-Meadow, S. and D. McNeill (1999) The role of gesture and mimetic representation in making language the province of speech. In M. Corbalis & S. E. Lea (Eds.) *The Descent of Mind*. New York: Oxford University Press
- Hohenberger, A. and Happ, D. (2001): The Linguistic Primacy of Signs and Mouth Gestures over Mouthing: Evidence from Language Production in German Sign Language (DGS). In: P. Boyes Braem & R. Sutton-Spence (Eds.), *The Hands are the Head of the Mouth: The Mouth as Articulator in Sign Language*. Hamburg: Signum, 153-189.
- Keller, J. (2001): Multimodal representations and the linguistic status of mouthings in German Sign Language (DGS). In: P. Boyes Braem & R. Sutton-Spence (Eds.), *The Hands are the Head of the Mouth: The Mouth as Articulator in Sign Language*. Hamburg: Signum, 153-189.
- McNeill, D. (1992). *Hand and mind: What gestures reveal about thought*. Chicago: University of Chicago Press.
- Moody, B. (2007, April 21) International Sign Language. [presentation]. New York, NY.
- Sandler, W. (in press). Symbiotic symbolization by hand and mouth in sign language. *Semiotica*.
- Vogt-Svendsen, M. (2001). A comparison of mouthings and mouth gestures in Norwegian Sign Language (NSL). In Penny Boyes-Braem & Rachel Sutton-Spence (eds.), *The hands are the head of the mouth*, 9– 40. Hamburg, Germany: Signum.
- Weisenberg, J. (2009) *Audience Effects in American Sign Language Interpretation*. Published dissertation. Stony Brook University. New York.