How Language Began

Human language is not the same as human speech. We use gestures and signs to communicate alongside, or instead of, speaking. Yet gestures and speech are processed in the same areas of the human brain, and the study of how both have evolved is central to research on the origins of human communication. Written by one of the pioneers of the field, this is the first book to explain how speech and gesture evolved together into a system that all humans possess. Nearly all theorizing about the origins of language either ignores gesture, views it as an add-on, or supposes that language began in gesture and was later replaced by speech. David McNeill challenges the popular “gesture-first” theory that language first emerged in a gesture-only form, and proposes a ground-breaking theory of the evolution of language which explains how speech and gesture became unified.

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How Language Began

Gesture and Speech in Human Evolution

DAVID MCNEILL
For Our Lucky Charm
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Preface – Out on a limb

This is my third book to focus on the nexus of gesture and language. Together, the three amount to a kind of unintended trilogy, what has turned out to be a sustained examination and ultimate explanation of a certain phenomenon. The first, *Hand and Mind* (1992), introduced what was then a newly discovered world of gesture, not the stand-alones (known as emblems) that have been acknowledged for millennia, but those overlooked but omnipresent gestures that wed themselves to speech itself. The second, *Gesture and Thought* (2005), developed an explanation of this wedding, the growth point. Now I tackle the origin of the growth point in evolution. By this third volume I am aware of having run far out on a limb. Out on a limb because in crafting the book I have followed a line of argument to its logical limit, or as close to a limit as I can get. The line is that language is more than the lexicosyntactic forms that one sees in written texts and the analyses of linguistics. It is also imagery. This imagery is in gesture, and is inseparable from language. The hypothesis of a growth point encompasses this idea. Taking seriously that language includes gesture as an integral component changes the look of everything. We see language in a new way, as a dynamic “language-as-action-and-being” phenomenon, not replacing but joining the traditional static (synchronic) “language-as-object” conception that has guided linguistics for more than a century.

One idea is more than one note, and in pursuing it I have discovered that it touches a wide range of other topics in language, children’s development, brain, mind, and society. In this way, a great breadth of phenomena is linked. I cover, besides gesture and its binding power with speech, a specific mechanism for the origin of language, and the scenarios in which it could have arisen; an alternative, the “gesture-first” hypothesis, which fails both by predicting what did not evolve and not predicting what did evolve; the “equiprimordiality” of speech and gesture instead; a thought–language–hand brain link present in all humans but revealed directly in deafferentation cases where gestures occur normally but practical actions are impossible; phylogenetic echoes in ontogenesis of two language origins, one of which is extinct (which extinction is also echoed in ontogenesis); new forms of action of the hands and vocal tract orchestrated by significances other than the
Preface – Out on a limb

actions themselves; the origin of syntax, while biological, to make these new actions shareable and portable in encounters with others in socio-culturally maintained templates (constructions); psychological sources of linguistic diversity; parallels and non-parallels to human language in chimpanzee and other primates; the remarkable, still-emerging discoveries in comparative genetics of the two or three kinds of humans known to have existed and how they may have differed in linguistic capacities; how consciousness and memory were reshaped by the origin of language; gestures during musical performances and the possibility of gestures hidden in written prose on the page; the loss of language at points of vulnerability left over from the origin; and the unlikelihood of language evolving in any species that lacks hands.
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Many of the ideas developed here were first explored with my colleagues, Bennett Bertenthal, Jonathan Cole, Susan Duncan, and Shaun Gallagher (see McNeill et al. 2005, 2008).

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The title and subtitle emerged in interactions with Cambridge University Press.

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I have lectured on the topics in this book at two International Society for Gesture Studies Conferences, in Austin and in Evanston, at the Chicago Linguistics Society, at the German Semiotics Society in Dresden, at the two ORAGEs (in Besançon and Aix-en-Provence), and at universities and research institutes in Denmark, France, Germany, Italy, Japan, Sweden, and the US.