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four contains  
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the scientists  
that theorized  
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brain's speech  
mechanisms,  
such as Paul  
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Carl Wernicke,  
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highlights  
their major  
studies, and  
describes the  
ways in which  
each changed  
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area, or the Broca area (/ ' b r ɔː k ə /, also UK: / ' b r ɒ k ə /, US: / ' b r ɔː k ə : /), is a region in the frontal lobe of the dominant hemisphere, usually the left, of the brain with functions linked to speech production.. Language processing has been linked to Broca's area since Pierre Paul Broca reported impairments in two patients. They had lost the ability to speak

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