

Vocal communication of the Muriqui

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What can we learn from animal communication, if we set this issue in terms of evolution? Comparisons with animal communication lead to a better understanding of some of the principles underlying human languages. Muriqui (*Brachyteles hypoxantus*) show that the acoustics of their vocalizations are generated from a set limited features in addition to showing non-linear characters in their voice source. A close examination of the communication system of the muriqui also shows that the recombination of discrete elements in part of their vocal communication shows both recursion and grammatical structure.