

4.2. Pitch

Verboid onomatopoeic words and phrases spoken with high pitch signal a fast action (often accompanied by allegro tempo), light weight, small, lots; whereas low pitch indicates a slow action (often accompanied by legato tempo), heavy weight (accompanied by lengthening), few, or large.

/wā wā wā wām/

'mosquitos passing by fast'

/wā wā wām/ 'aeroplane flying'

4.3. Phonation

Voice qualities used for echoic onomatopoeia are: creak (ə), ingressive creak, falsetto creak, breathy voice (ə) and whisper (ə).

/'m: "mm 'm 'm/ 'currasow call'

/mē:?'/ 'paca noise'

/kâ/ 'macaw call'

/k̄:/'

(laryngealised and ingressive) 'howler monkey noise'

/p̄' r̄' p̄' r̄' p̄' r̄' x3/

'paca flaps ears'

/'k̄x̄ŭ 'k̄x̄ŭ 'k̄x̄ŭ x3/ 'toucan call'

4.4. Articulatory Control

Some animal imitations are articulated with different articulatory gestures such as constricted larynx (small monkey), lowered larynx (large monkey), a more precise and forceful articulation accompanied by speed up of reduplications (chopping), unrounding of rounded vowels (noise of howler monkey), and other modifications of the vocal channel which are combinations of several of the above gestures.

/m̄ m̄ m̄ m̄ m̄ m̄/

(low larynx) 'piranha fish jumps up to get leaves'

/k̄:/'

(ingressive creak) 'howler monkey'

4.5. Initiation of Airstream

Some echoic forms are pronounced with an ingressive airstream, such as noises made by certain fish, monkeys, and other animals.

/ēŭ ēŭ ēŭ ēŭ/

(ingressive breathy) 'capibara in water'

/ə̄ə̄ ə̄ə̄ ə̄ə̄ ə̄ə̄/

(ingressive, whispered-breathy) 'spider monkey'

4.6. Reduplication

Onomatopoeic words can be repeated up to eight times to signal increased length of time or space, the number of repeated actions, actors, or participants. Reduplication describes iterative actions, or sequential happenings.

Many of the examples given in 4.2 fall into this category. Other examples are:

/tòk/ 'give to one person'

/tók tók tók/ 'give to several persons'

5. ACOUSTIC ICONICITY

Acoustic representations of iconic sounds show the following tendencies:

Initial fricatives give the idea of entering, piercing:

/sūk/ 'fall into, pierce'

A final stop seems to be telic and imitative of the forceful endpoint of the action (such as hit or fall):

/pòk/

'something hard or heavy falling or being cut'

A final nasal represents a continuous sound:

/tén/ 'ring, rattle'

A voiceless trill indicates a series of quick movements:

/p̄/

'humming bird flying on the spot, or a small fish jumping along the water surface'

A final vowel indicates a continuous movement similar to an atelic aspect:

/t̄ t̄ t̄/ 'walk along'

A high front vowel seems to convey the idea of smallness or fear:

/k̄/ 'noise of tapir pup'

/w̄: n/

(weak voice) 'noise of spirits'

A high back vowel gives the idea of largeness:

/kò/ 'noise of a howler monkey'

6. CONCLUSION

In Kayabí an action that is expressed by a generic term can be further qualified by a vast choice of onomatopoeic words and phrases, transmitting detail about the performer and performance to reinforce the oral message thus making it understood and vivid.

Tape recordings of several hundred verboid and echoic onomatopoeia made by several men show that onomatopoeic forms are not coined arbitrarily by the speaker, but are part of the lexicon of the language and reflect a specialised knowledge relevant to the community's environment and everyday life.

REFERENCES

- [1] BROWN, R. (1963), *Words and things*, New York: The Free Press.
- [2] CRYSTAL, D. (1976), *Prosodic systems and intonation in English*, Cambridge: Cambridge University Press.
- [3] LADEFOGED, P. (1980), "What are linguistic sounds made of?", *Language*: 56, 485-502.
- [4] LAVER, J. (1980), *The phonetic description of voice quality*, Cambridge: Cambridge University Press.
- [5] LEHISTE, I. (1970), *Suprasegmentals*, Cambridge: Cambridge, Mass.: MIT Press.
- [6] OHALA, J. (1983), "Cross-language use of pitch: an ethological view", *Phonetica*: 40, 1-18.
- [7] RODRIGUES, A. D., (1958), "Classification of Tupí-Guaraní", *IJAL*: 24, 231-244.