

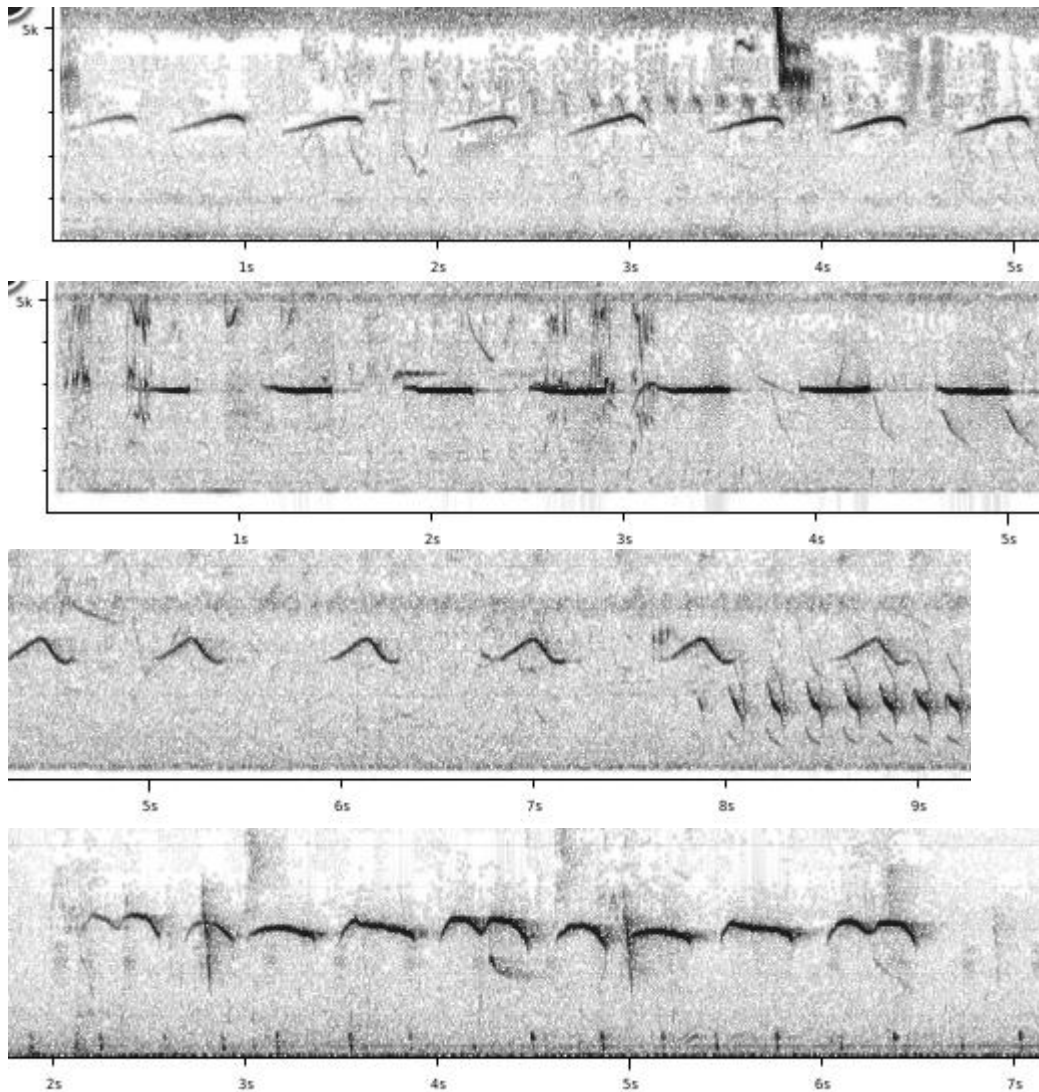
## Notes on the vocalizations of White-bellied Seedeater (*Sporophila leucoptera*)

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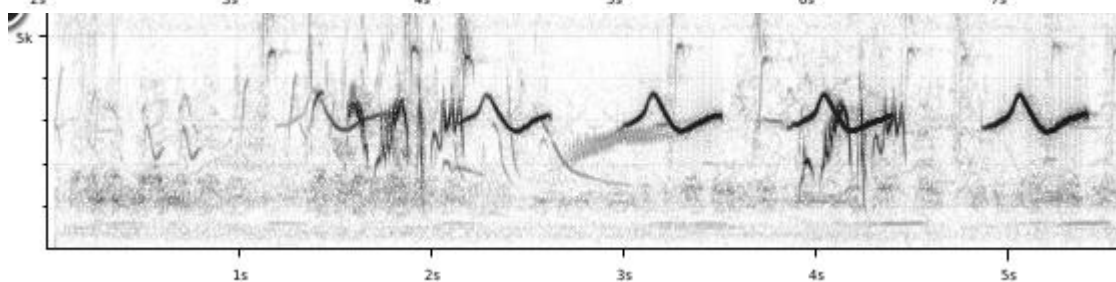
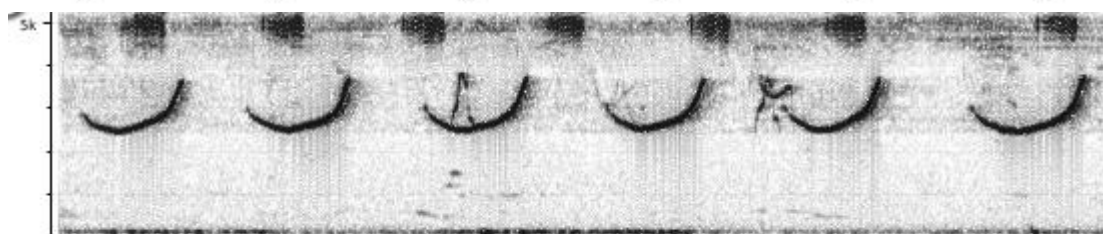
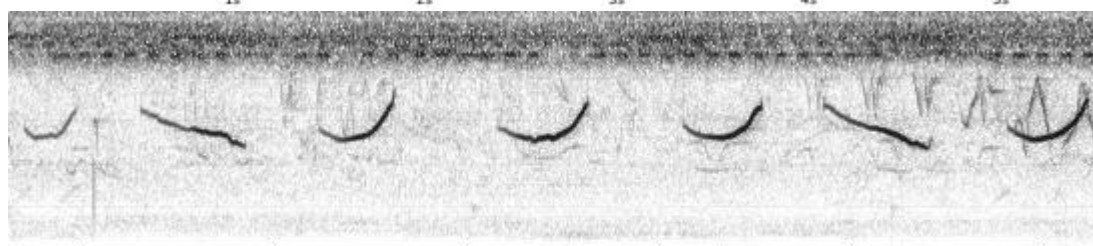
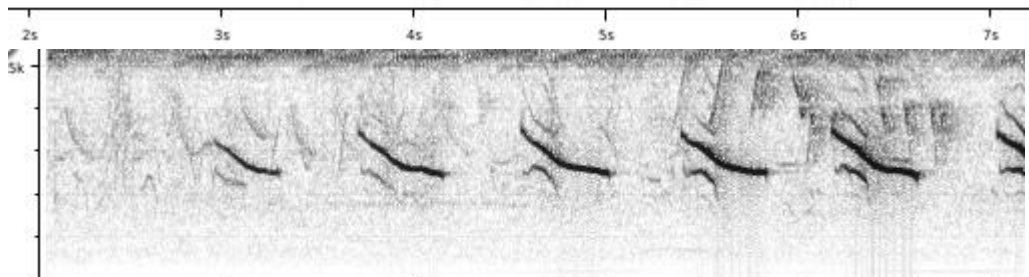
In the following we briefly analyze and compare voice of the different races of White-bellied Seedeater (*Sporophila leucoptera*). We also try to quantify the extent of any vocal differences using the criteria proposed by Tobias *et al.* (2010), as a support for taxonomic review. We have made use of sound recordings available on-line from Xeno Canto (XC).

Our main interest is to compare song of the distinct race *bicolor* with other races. An overview, illustrated with sonograms:

*bicolor*

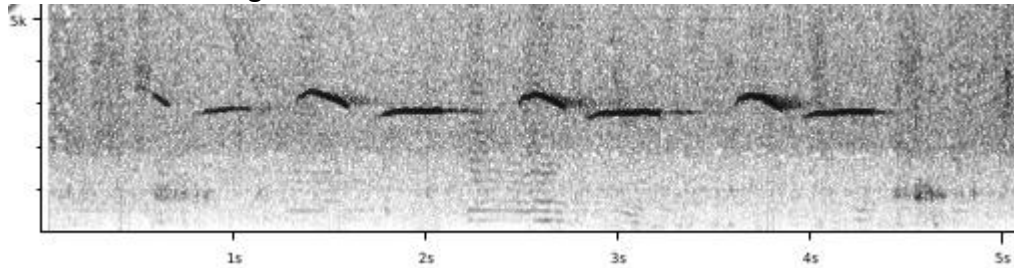


eastern races



Song of both groups is a series of repeated melodious whistles. There is quite some variation in note shape and pace of delivery.

Two recordings from Bolivia (*bicolor*) have a more rhythmic pattern (see last sonogram for that race, which shows a subphrase of 4 notes repeated), but some recordings from Brazil also have a more rhythmic two-note structure, which is obviously not identical, but illustrates the variation in songs:



We can thus conclude that song of *bicolor* is very similar to other races, but may have somewhat more complex variations. More recordings are needed to determine how frequent these occur in both groups.

This note was finalized on 1st July 2016, using sound recordings available on-line at that moment. We would like to thank in particular the many sound recordists who placed their recordings for this species on XC.

### References

Tobias, J.A., Seddon, N., Spottiswoode, C.N., Pilgrim, J.D., Fishpool, L.D.C. & Collar, N.J. (2010). Quantitative criteria for species delimitation. *Ibis* 152(4): 724–746.

### Recommended citation

Boesman, P. (2016). Notes on the vocalizations of White-bellied Seedeater (*Sporophila leucoptera*). *HBW Alive Ornithological Note* 394. In: *Handbook of the Birds of the World Alive*. Lynx Edicions, Barcelona. (retrieved from <http://www.hbw.com/node/1253583> on 1 December 2016).