Notes on the vocalizations of Scarlet-bellied Mountain-tanager
(*Anisognathus igniventris*)

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In the following we briefly analyze and compare voice of the different races of Scarlet-bellied Mountain-tanager (*Anisognathus igniventris*). 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) and Macaulay Library (ML).

An overview of song per race, illustrated with sonograms:

*Junulatus* (Andes of W Venezuela (S Táchira) and adjacent Colombia (Norte de Santander S in E Andes to Cundinamarca))
**ORNITHOLOGICAL NOTES**

*erythrotus* (C Andes of Colombia (Caldas, Cauca, Huila, and both slopes in Nariño) S through Ecuador to N Peru (N of R Marañón, S to R Chamaya)

*ignicrissa* (E slope of Andes of Peru S of R Marañón (C Cajamarca S of R Chamaya, and from Amazonas S to Junín)
igniventris (E slope of Peru (from Junín) S to Bolivia (Santa Cruz)

Song of igniventris is very different, being much higher pitched (most energy in range 5-10kHz vs below 6kHz in other races, score 3 based on max. frequency) and lacking nasal or twangy notes (score 1). Application of Tobias criteria would lead to a total score of about 4.

The change in song occurs in Junín, Peru, with apparently a narrow 'hybrid zone' NE of Huancayo:
XC152904 is rather an intermediate song:

ML171867 has elements of both song-types:

ML92123 is a rather typical *igniventris* song:

Further north and south there are no intermediate song types.

This note was finalized on 5th 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 and ML.

References


Recommended citation