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### NOTAS CORTAS

**Mariamercedes Antezana A. (2015).** Primer registro de *Molothrus oryzivorus* para la costa central del Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10 (2): 6-8.

**Antonio García-Bravo, David Rosario B., Jorge Tiravanti C., Karlom Herrera-Peralta & Richard Díaz. (2015).** Registros de *Donacobius atricapilla* en los Bosques Secos del Marañón, Amazonas y Cajamarca, Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10 (2): 9-13.

**Javier Barrio & Diego García-Olaechea. (2015).** New records for the feeding niche for the White-cheeked Cotinga (*Zaratornis stresemanni*) in the high Andes. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 14-16.

**Cesar Ortiz Z. (2015).** Reporte de un evento de depredación y alimentación de un Halcón Aplomado (*Falco femoralis*) en la ciudad de Arequipa, Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 17-18.

**José Luis Avendaño M. (2015).** Primer registro del Loro de Frente Turquesa (*Amazona aestiva*) para el Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 19-21.

**Jhonson K. Vizcarra. (2015).** Caso de leucismo parcial en la Gallareta Andina (*Fulica ardesiaca*) en los Humedales de Ite, sur del Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 22-25.

### ARTÍCULOS

**José L. Venero G. (2015).** Aves de la Laguna de Huaypo, Cusco, Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10 (2): 26-30.

**Frank E. Suárez P. & Alexander More. (2015).** Registros la Bandurria de Cara Negra (*Theristicus melanopis*) en las lagunas Ñapique y La Niña, Sechura, Piura. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 31-36.

**Christian Devenish, Emil Rivas, Alexander More & Diego García-Olaechea. (2015).** Uso de hábitat atípico y ampliación de área de distribución de *Cyanocopsa cyanoides* en el Bosque Seco de Talara, Piura, Perú. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 37-42.

**Anthony Vásquez Najarro. (2015).** Identificación de un dormitorio comunal y censo de Cóndores Andinos (*Vultur gryphus*) en la Reserva Nacional San Fernando. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 43-53.

### OTROS

**Manuel A. Plenge.** Bibliografía de las Aves del Perú 2015. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 54-62.

**Comité de Registros de Aves Peruanas (CRAP) (2015).** Reporte del Comité de Registros de Aves Peruanas del periodo 2014 / Report of the Peruvian Bird Records Committee 2014. Boletín de la Unión de Ornitólogos del Perú (UNOP), 10(2): 63-71.

# New records on the feeding niche for the White-cheeked Cotinga (*Zaratornis stresemanni*) in the high Andes

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Bird species are one of the major dispersers of Loranthaceae in the southern hemisphere (Ladley & Kelly 1996, Amico *et al.* 2007). The dispersion of Loranthaceae species in the Andes is mainly carried out by cotingas (Family Cotingidae) such as the White-cheeked Cotinga (*Zaratornis stresemanni*) and Red-crested Cotinga (*Ampelion rubrocristata*) (Castañeda 2010). Additionally, some Loranthaceae species were found to be the center of the *Z. stresemanni* feeding niche, as well as some *Miconia* species were determined as the main feeding niche for some species of *Tangara* birds (Isler & Isler 1999). The White-cheeked Cotinga has a symbiosis and dependence on the fructification of several species of Loranthaceae of the genera *Tristerix* and *Ligaria* (Parker 1981, Amico *et al.* 2007). The flowering and fructification of species of those genera seem to be the main reason why *Z. stresemanni* does altitudinal migrations searching for forest patches where there would be available food (Lüthi 1970).

We made a short visit to a forest patch dominated by several *Polylepis* spp. trees, near Querococha Lake (9°31'41.16"S / 77°21'27.72"O, 4410 m) at Huascarán National Park, Ancash, Peru, on August 9, 2013. There, we found a *Z. stresemanni* individual very low in *Solanum nitidum*

bushes (Figure 1), close to the ground. The plant was being shaken intensely, and the cotinga (Figure 2) was found eating the fruits. Fruits that were ripe were selected and eaten by the individual (Figure 3).

There are at least 16 species of the genus *Solanum* in Huascarán NP (Kolff & Kolff 1997), while only 4-5 species in the family Loranthaceae (Amico *et al.* 2007) are found throughout the *Z. stresemanni* entire distribution range, which is restricted to the Central Andes (Birdlife International 2015). If *Solanum* species are an important part of the diet, then, the localities based on feeding offer that might currently be used by *Z. stresemanni* are more numerous than what we know. The species has previously been found by JB in an almost denuded cultivated area with few bushes in Ayash, Ancash, Peru, where no signs of *Polylepis*-associated Loranthaceae were found.

Given that no previous records exist on *Z. stresemanni* feeding on non-Loranthaceae species, despite Huascarán National Park and other forests with patches with Loranthaceae hemiparasites are regularly visited, there is a possibility that the species' diet is being adapted to new bush / forest conditions, based on forest patches decrease in extension. Some *Solanum* species might be the target for these conditions.



**Figure 1:** *Solanum nitidum*.  
Photo by J. Barrio.



**Figure 2:** *Zaratornis stresemanni*  
next to *Solanum nitidum* bushes  
with fruits just eaten. Photo by  
Diego García Olaechea.



**Figure 3:** Fruits eaten by  
*Zaratornis stresemanni*. Photo  
by J. Barrio.

## REFERENCES

Amico, G. C., Vidal-Russell, R. & D. L. Nickrent. (2007). Phylogenetic relationships and ecological speciation in the mistletoe *Tristerix* (Loranthaceae): the influence of pollinators, dispersers, and hosts. *American Journal of Botany*, 94(4): 558–567.

BirdLife International. (2015). Species factsheet: *Zaratornis stresemanni*. Downloaded from <http://www.birdlife.org> on 14/02/2015.

Castañeda, K. (2010). Propagación de *Tristerix* sp. por cotingas en el Parque Nacional Huascarán. *Boletín informativo UNOP*, 5(3): 21-22.

Isler, M. L. & P. R. Isler. (1999). *The Tanagers. Natural History, Distribution, and Identification*. Smithsonian Institution Press, Washington, D.C.

Kolff, H. & H. Kolff. (1997). Flores silvestres de la Cordillera Blanca. The Mountain Institute.

Ladley, J. J. & D. Kelly. (1996). Dispersal, germination and survival of New Zealand mistletoes (Loranthaceae): dependence on birds. *New Zealand Journal of Ecology*, 20(1): 69-79.

Lüthi, H. (1970). Blick in die Natur: der geheimnisvolle *Zaratornis*. *Boletín de la Colonia Suiza en el Perú*, 5: 15-17.

Parker, T. A. III. (1981). Distribution and biology of the White-cheeked Cotinga *Zaratornis stresemanni*, a high Andean frugivore. *Bulletin of the British Ornithologists' Club*, 101(1): 256-265.

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