

Leucopterus princeps zimmeri Friedmann.

The Auk, Vol. LII, p. Jan. 1935. Gan José
de Sumaco, Ecuador.).

Leucopterus princeps zimmeri Friedm.

♀ ad. ^{Larydén} ~~San Andrés~~ Santander, Col. Hm. Nicéforo.
Jul. 9th 1939. - La Salle's Museum. -

Wing 358; tail 201; culmen without cere 35; tarsus
90; total length 555 mm.

Very similar to the type species but
a slightly smaller.

Above black with a wash of ashy-grey
more visible on the margins of the feathers.
Feathers of the head, nape, and back white
at base; secondaries spotted with white on
inner webs, more extended on the inner ones;
sides of face, throat and fore neck black like
the back with greyish margins to the feathers.
all the dark parts have a certain gloss of
metallic green; under parts including the
chest, belly, flanks, ^{thighs} under tail and wing-
coverts, and axillaries, ^{white} finely barred with
blackish-brown, the bars being narrower on
the under wing and under tail-coverts;
quills black with a wash of ashy-grey, the lower
surface ~~grey~~ silvery-grey, the inner webs barred
and mottled with white towards the base, and
barred with ^{dark grey} ~~black~~ towards the tips; tail black
with a faint gloss of metallic green, when closed
with a single ~~white~~ ^{white} band across the middle.

d. p. zimmeri Friedr.

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but when spread may be seen 5 ~~on~~ white bands from below; and 3 on the outer webs from above on the two outer feathers, and 4 on the inner webs of most of the feathers; cere and orbits yellow, bill pale yellow, black near ~~the~~ base, and lead-coloured towards the tip; feet yellow, claws black.

Spizastur melanoleucus (Vieillot.)

Proc. Diet. Hist. Nat., IV., p. 482 (1876) (Guiana)

Buteo melanoleucus Vieill.

♂ ad. col. thro. Nicéforo, Villavicencio (Meta) IV-1938.

♀ ad. " " " " " I-23-1943

Caractères. — ♂ wing 360, ♀ 400; tail ♂ 230, ♀ 253; culmen without cere ♂ 22.5, ♀ 33; Tarsus ♂ 70, ♀ 81; total length ♂ 501, ♀ 630.

These two specimens show a great variation in size, the ♂ being at ^{least} $\frac{1}{3}$ smaller than the ♀. Both are adults. They conform perfectly with the description in Swainson's book, but the male has the tail more ashy-grey than the female which conforms with the cited description.

Cere and commissure of bill rich orange-yellow, feet light orange-yellow; bill black; loreal region completely covered with black stiff bristles Iris rich yellow. —

Leucopterius albicollis costaricensis (Sclat.)

Bull. Brit. Orn. Cl., 39 (1919) p. 76, (Carrillo, Costa Rica)

Leucopterius ghesbreghtii costaricensis Sclat.

♀ juv. Guacarano, Sant. col. ? Mus. L. S. Jul. 1930
wing 360; tail 210; culmen without cere 32; Tarsus 85;

total length 575 mm.

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♀ ad. Rio Jurado, Oco, col. Sweden, Feb. 1940 -

Wing 350; tail 240; culmen without cere 30; tarsus 85; total length 533 mm. feet yellow, cere bluish-grey, iris dark brown.

♀ juv. Head, neck and entire under parts pure white; the head streaked with black, more markedly on the occipital region, where the tips of the feathers are black; back and inter scapular region white notably spotted with black wing-coverts black barred and tipped with white; the greater ones ashy brown barred with dark brown and tipped with white; tertiaries greyish-brown barred with blackish brown and white at base barred with black; secondaries dark ashy-grey barred with 7-8 blackish bars - the subterminal one decidedly broader, and tipped with white; primaries similar but without white tips, and black towards the tips; all ~~the~~ the secondaries and primaries with the inner webs spotted with white; below white barred with blackish brown; rump and tail white, the latter with a broad subterminal band of black 65 mm. wide.

♀ ad. Head, neck, back, mantle, and entire under parts pure white; the occipital region with narrow blackish shaft lines; lesser wing-coverts notably spotted with black forming a conspicuous dark patch at the shoulders; greater wing-coverts white barred with black; tertiaries white broadly barred with black. Secondaries ^{dark} ashy brown broadly margined with white; and barred with 10-11 black bars; primaries dark ashy brown barred with black, a broad black towards tips which are white; tail white with a broad black subterminal band 42 mm. wide.