5896. Sunbird. *A. testaceo-ligustri*. Stomach contents: 4 caterpillars x 2 chrysalids. Like no. 5896, feeding in trees along river bank. No more chrysalids were noticed on the Arunvimi, but 3 were seen on the Lindi below Bengamisa.

5897. Codica. F. im. Iris rather light greenish brown, rim of eyelids dusky brown, bill blackish, but underside of mandibles and cutting edges of both jaws whitish, feet orange, dusky brown on back of metatarsi and about joints. Stomach contained remains of insects and a few bits of quartz.

5898. Codica. F. ovary slightly enlarged. Iris brownish yellow, rim of eyelids brownish gray, bill dusky brown above, orange red at sides and whitish below (towards base). Feet orange-red. Stomach contained remains of insects, including wings of a small dragon-fly.

These two "Sun Grebes", mother and young, were swimming near a low grassy part of the river bank. They did not dive, but made for the bank. The
young one was shot just as it reached shore, and the old one did close to the water, and was scared out without difficulty.

Podica has a very tough skin, like a coly, but its feathers are more firmly attached. Of all the birds I know, I believe honey guides have the strongest skin. Moreover this firmly adheres so to the flesh that it must be separated with a knife. On the other hand, trogons have about the tenderest skin I know. Their feathers, too, are very weakly attached, but fortunately they are never (so far as I have seen) fat. Nightjars have nearly as tender a skin, and feathers that fall out easily, and are often fatty, Macrodipityx vexillarius, for example, usually so. Cuckoos have a rather tender skin, pigeon feathers, even the quills, are quickly lost,
Panga
Sept 13, 1914.

5899. Red-checked Waxbill ♂. Testes slightly enlarged. Iris brown, shading to light gray on inner rim; bill scarlet; feet rather dark grayish-brown. Crop and stomach contained grass seeds.

5900. Same as preceding. ♀. iris brown, slightly reddish exteriorly; bill dull scarlet; feet rather dark grayish-brown. Crop and stomach contained grass seeds.

5901. Same as preceding. ♀. iris. Crop and stomach contained grass seeds.

First species was seen yesterday, some distance above Panga, but is common here, feeding in small flocks on the tall grasses. The finely-barred species, so common at Avukubi, seems to be absent, nor have we seen the black-bellied atricapilla. Since leaving Avukubi, the black-billed species again at Standbyville, first week in Oct. [p. 193]

remains of insects.

5903. Mate of preceding. F. ovary slightly enlarged. Iris dark brown, bill black, feet dark bluish-gray. This pair of flycatchers was found in a tree in the second growth back of the station at Panga.

5904. Bee-eater (M. guilaris) &. to., e. Iris rather dark crimson, bill & feet black. (The related species with rufous back was seen at Bombura, Sept. 21.)


5906. Same as preceding. F. Testis somewhat enlarged, skull not quite fully ossified. Iris dark brown, rim of eyelids pinkish, bill blackish at base, scarlet at tip and sides; feet light brownish. Crop and stomach contained rice.

5907. Hyagoos aulaseizeli. Same as preceding. F. ovary somewhat enlarged. Iris dark brown, rim of eyelids blackish; bill blackish at base, scarlet at tip and sides, feet rather light dull brownish. Stomach contained rice.

These waxbills are regular inhabitants of rice fields when the grain is ripening or being cut, but instead of clinging to the heads, they feed on the ground.
evidently on fallen grains, keeping well concealed, and generally darting swiftly and silently, if flushed, into a neighboring thicket. Sometimes they will fly off and alight again on the rice, but are as a rule decidedly shy. The rice harvest, in this region, lasts from August to January or February, for different fields may be planted at wide intervals. At other times of the year the birds seem to frequent the almost impenetrable thickets about old plantations and villages, but are only very rarely to be seen along paths.

Just at present they are paired, preparatory to nesting, but by February they form small flocks with their young.

Of course many other birds are fond of rice. Here we have noticed especially, engaged in this pillage, flocks of Nyphantornis and Spermestes, of the latter 2 species, 1 the larger one, and the dark-breded, a few Pycnastus small one, and an occasional pair of partridges (Francolinus opezmartus). The waxbills of the genus Estrilda seem never to eat rice, their bills being probably too small.
Just as the natives of the Vellore obliged to mount guard over their fields of durra-grain or “vundi”, so those here need to chase the birds from their rice. A small shelter is often erected for a watcher on some commanding termite-hill, and long strips of bark, as cords, laid over the rice in different directions, being tied to any bushes or small banana trees there happen to be. The jerking of the ends of these cords, several of which may be knotted together where they intersect, serves to frighten away birds feeding in the grain.

5908. Orange-throated Warbler F. o. e., an egg in oviduct. Stomach contained remains of insects and a caterpillar. Seems not to require virgin forest, for I have several times seen it in badly mutilated woods, in the disagreeable undergrowth that usually springs up under such conditions. Has a low protracted scolding note that I have found very difficult to distinguish from one of the calls of the smaller Turdines.
Panga
Sept. 14, 1914.

5909. A greenish-bulbul with yellowish under-parts. Bill and eyes slightly enlarged. Iris rather light brown, bill dull light brown, feet dark gray. Stomach contained berries. It is strange that I never noticed this bulbul at Awa Kubi, only several were seen at Panga, and along the Lindi near its mouth.

5910. Long-tailed Barbet. B. t. m. e. Stomach contents: berries and a snail. Iris carmine. Heard commonly along the Aruwini, as is also Tricholaema Bucklandi red-rumped Barbatula, etc.

Sept. 15
5911. Black Weaver with scarlet crown and nape. Stomach contained 14 caterpillars and remains of insects.


5913. " F. o. e. Stomach contained sand andérie.


5915. Black Rat-mouse. B. t. e. Stomach contained a green caterpillar. A number of these were feeding in tall trees about a rice field, uttering single sharp whistle
Panga
Sept 15, 1914

5914. Shrike (Sigmophoicus). Stomach contents: insects, mainly orthopterous.


Two flocks of about 6 each were met with on the borders of a clearing. They show great solicitude for a wounded member of the party.

Like most of the family, they have harsh notes in addition to their softly whistled call.

5918. Beelbul. T.n. Stom. cont. pieces of a beetle & other softer insects. Iris gray, rim of eyelids yellowish green, maxille mainly dusky, mandible dirty greenish gray, corners of mouth and edges of both jaws yellow; feet pale bluish gray, claws pale yellowish.

Seems not to be a common species.

Was sitting in a small tree in forest, raising its wings and giving a scolding note.

Sept 16

5919. Red cheeked Waxbill. T. over slightly enlarged; skull not quite completely ossified. Crop contained grass seeds.

5920. Gray Warbler. T. testes slightly enlarged. Iris grayish brown, maxille black, mandible dull gray, feet light blue.
Panga
Sept. 16, 1914.

Stomach contents: insect remains.

Found in old, fairly open, second growth.

5921. Green-backed Cuckoo, S. i. m. Iris

yellow, brown, bill greenish, dusky above, brighter below, and slightly bluish at sides of base, rim of eyelids greenish; feet blue, claws black.

Stomach contents: remains of insects and 1 hard seed. Shot from a tall tree in May

Sept. 17. Marshy Warbler, S. t. m. e. Stomach

5922. Woodpecker, S. t. m. e. Stomach contained 4 insect larvae (Coleoptera). Iris dark crimson, tip of bill whitish, rest of maxilla black, mandible shading posteriorly to pale bluish; feet olive.

Was drumming at intervals, like M. xantholophus, but not very loud. A couple of others were also heard nearby. They seemed to like large trees overlooking second growth, and gave also an excited, reiterated vocal sound, not very loud — note nearly as loud, for instance, as that of M. goertan, which it resembles slightly.

5923. Orange-Breasted, S. t. m. e. Iris scarlet, bill and feet black. S. c. insect remains. Found low down in second growth.
but usually favors tall trees dominantly second growth or about clearings.
Common between Banalia & Bengamica has loud, harsh, semi-metallic voice.

5924. Bulbul (Ixornoting) "in Iris
light grayish brown; maxilla dark brownish gray; mandible light gray; feet bluish gray. Stomach contents; fruit & 4 small caterpillars.

5925. Pytelia s. s. t. e.

5926. Brown checked woodpecker. "o. n. e.
Stomach contents: ants & a soft pupa of some larger insect

5927. Black weaver (Melanopus) "o. overy slightly enlarged. Stomach contents: insects. Was engaged, with her scarlet crowned mate, in completing their nest, attached to the drooping end of a slender, thorny acacia vine, 30 feet from the ground. This nest was mainly composed of dry spiral tendrils from some vine, and small dry twigs and leaf stems, the "sport" not very long, but as usual with this genus, decidedly wide (7 cm.) Above the nest additional material
Panga. Sept 17, 1914.

(including some green moss) had been hung to the supporting creeper, so that the total length of the structure was 51 cm. Both male & female were at work, in the former occupied with the entrance, the latter with the top.


5928. Pratincole ♀ im. No. 5928 & 9 alighted in the station—the first seen this season.

59. Altho the water of the Aruwimi is now very high, covering most of the rocks, the smaller Blacella muchalis was common from Avalube to Panga, often perching on dead limbs sticking up out of the stream. I indeed a large flock was once seen in a leafy tree standing on a shoal in the river, where a colony of weavers was also established.

Sept 19. (Left Panga) Ramarius rausorhynchus. All those I saw had the white collar.


Banalia
Sept. 20, 1914

testes somewhat enlarged. Stom. cont. insects.

This is a bird we collected while coming up the Congo, and now met with again at Mangelina for the first time at a village called "Bombava" on the left bank of the Aruwimi, 25-30 miles above Banalia.

5933. Dove (Chalcopelia) t. e. Common thenceforth, calling continually. The notes resemble those of Dyspanistria, the voices of the two species are usually easy to distinguish. Chalcopelia here in the Aruwimi is found mainly in the neighborhood of villages, Dyspanistria in second growth, and Calopelia in forest, tho' this is not of course an absolute rule. At Paradja, for example, Chalcopelia frequents the brush, and Dyspanistria the woods. [Calopelia, besides being seen at Panga, was heard along the Aruwimi, and between Banalia & Bengamisa]

Sept. 21. (Bombava)
Bakalia (Villaume Bombwa)
Sept 21, 1914

5936. Same. Bim. Iris dark brown, rim of eyelids greenish-yellow, bill greenish-white, deep yellow along cutting edge towards base, feet pale grayish-green.
Stom. cont. a grasshopper & other insects.
5937. Greenish Bulbul (? o.m. e. S.C. litteries).
5938. Short-tailed Warbler (? Sylviella denti?) & tesus somewhat enlarged. Iris light brown, bill dusky, feet pinish-brown.
Stomach contents: insects. Found in undergrowth of some rather open woods.
Very common along Aruwimi.

Sitara monacha. Shingle
5941. Small Weaver. Tesus somewhat enlarged.
Stomach contents: insects.

Just behind the "gite d'etape"
there were 3 nests of this weaver. 
suspended from the tips of the tall grasses. These nests are peculiar in being woven partly of the seed-bearing grass tips, as well as strips from the leaves.
The nest of No. 5941 contained 2 young, whose feathers sheaths were beginning to burst. The nest...
Bananía
Sept. 21, 1914.

down that still remained was grayish-white.
The other nests were empty, but
a gray flycatcher was seen to enter
one of them several times, coming out
and peeping beside the nest.

5942. *Flycatcher*. S. i.e.

5943. Large black-headed Bee-eater. ♀.
*Merops gossor Brvwey*.
or slightly enlarged. Iris bright crimson.
Blll black. Feet dark greenish-gray.
Stom. cont.: pieces of a beetle & a wasp.
Flew about village on river bank.
had very weak voice. Another seen
on an island near Stanleyville.

5944. Skeleton of *Machaerhamphus*. ♀.
Ovaries slightly enlarged. Stomach
contents: a small brown bat (Pipistrelle).
remains of another bat, and a few feathers.

Sept. 22. Flying about village at dusk.

5945. Dark blue Swallow. ♀. Stomach
enlarged. Very common along Aucuimi.

5946. Weaver. B. Testis slightly enlarged. Stomach
contained peas & a few pieces of insects.

Sept. 23.

5947. Small yellow-billed Sunbird with green back.
♂. Ovary slightly enlarged. *Aethopyga
collariotis* Blyth. Surrounded with plumage.

Her nest, of the usual prey shape, was
composed of strips of dry grass and other
vegetable material, lined with plant
down, bound together exteriorly with
silk, and adorned with a small amount of caterpillar excrement. It hung from a creeper, at a height of 20 feet, directly over a path, in a patch of second-growth. The 2 young in were just ready to leave the nest, in fact they did so when disturbed, and had the plumage of the upper parts metallic green.


5949. *Small Hawk*. *S. *m. *e. Iris bright Accentor shape, scarlet, eyelids orange, eye corner of mouth yellow, bill black, with mandible grayish at base; feet bright cadmium yellow, claws black, Stomach contained insect remains and feathers. Seen pursuing a small bird.

Sept 25: Banalia & Mwanga.


Iris dull chrome yellow, edge of eyelids light yellowish green, bill dull greenish yellow, base of maxilla blackish, feet dull yellowish green, claws black, Stomach contained caterpillars and a few insects. Shot in tree devastated by caterpillars.

This is a bird of the tall trees, in the virgin forest as well as those overlooking second...
growth of plantations, very difficult to see, and more so to kill. Its voice is not infrequently heard, the common note being a series of short, sweet whistles, loud enough to be heard plainly for several hundred yards. Sometimes two birds call together.

Once I heard another note of a loud, but less musical whistles, that reminded me of Erythropus gularis.

It was in last February that I first became acquainted with these notes, and have since heard them times near Penge, Awakeni, & Ngaju, & Panga.


5953. Warbler (Sylvietta). Dim.

5954. Hawk Scott. Iris yellowish; green. Acceptor: sharper; rim of eyelids outside, cere and corner of mouth chrome yellow; bill black; feet cadmium yellow, claws black. Stomach contained flesh & feathers of a small bird.

Sept 26. (Mvanga - mchunge).

5955. Warbler (Sylvietta) Dim. S.C. a caterpillar and insects. Shot from a tree in a former village site, now grown up with thickets.

Sept. 26, 1914


[Comment: the Arauvimi we saw or heard rather often Ceryle maximus, but Ceryle rudis was somewhat less numerous. One or two Alcedo were noticed nearly every day, but Corythornis was not seen once, and Daplidina did not seem common.]

5958. Flycatcher. B. t. m. e. S. C. caterpillars. S. C. Plume.
5959. Parisoma. f. t. m. e. Stom. cont. caterpillars. Copicaria.
5960. Flycatcher (Erythrocerca) Bim.
5961. Small Trogon. B. t. m. e. S. C. caterpillars. Apododermus minor

The excrement of the 2 trogons here has a far more foul odor than usual among birds, perhaps due to their diet of caterpillars. This trogon is a forest bird, and was seldom heard on this road.

During the first of the four days between Banalia & Bengamisa, we saw no real forest at all, everywhere villages or places formerly cultivated. During the other three days there were occasional stretches of forest, interspersed with
numerous clearings and "matongos.
From Bengamara to Kapardha, too, practically no forest has been left.
  Iris dark grayish-brown, rim of eyelids
dull greenish; maxilla black, mandible
dull yellowish; green with black tip.
corners of mouth reddish-orange; feet
bright yellow. (Very dark colored woodlark)
enlarged, skull not completely ossified. Iris
dark brown, bill dusky, but light grayly
edges of mandibles and at base; feet bluish.
Mouth remained slightly open after death as in wood nymphs.
One of a small flock. These titmice were
never seen at Ayahuli.

5964. Flycatcher. S. t. m.w. Iris dark brown,
tip of bill black, rest of bill, corners of
mouth, and rim of eyelids blue, whole
interior of mouth greenish yellow, feet
rather light blue.

5965. Hawk. T. testes slightly enlarged. Iris
5964. Acanthis iberica
scarlet. Stomach contents: pieces of an insect.
Santinotus fulvus
5966. Rail (Corhithura) T. testes slightly enlarged
Stomach contained a yaphemipter ovata insect.
remains.

[The similar rail, with brown spotted
back, that calls mournfully at night,
Sept. 28, 1914.

Bengamis.

5967. Flycatcher. Testes slightly enlarged; shall not quite completely ossified.
5968. Gray Warbler. Testes somewhat enlarged.

Stomach contents: a small caterpillar and insect remains. Iris dark brown, rim of eyelids pinkish brown, bill black, becoming light gray beneath mandible; feet rather light blue. Shot in woods near a stream found by following its note, which may be distinguished from that of the species like No. 5959 by having regularly 4 syllables, somewhat run together.

5969. Swallow (H. angolensis). T. m. e.

5970

5971

5972

5973


This swallow has not been observed since we left Stanleyville in 1909, but would seem to be common at Bengamisa, for fully 30 or 40 were flying about one of the houses during the early afternoon, alighting beneath the roof of the porch. They were not nesting, nor did they roost there at night. Their resemblance to...
N. rustica, in habits, flight, and voice is extremely close, and they are probably also fond of villages, for no more were noticed till we were very close to Stonewall. No. 5980 (Note) A nest of this gray flycatcher containing 2 eggs, collected near Bobi, on Sep. 11, 1914, was placed 4 ft. above the water in a fork of a branch sticking up near the shore. Along that part of the Aruwimi 2 other nests of the same bird were observed in similar exposed positions, and 1 in a hollow of a larger stub.

Measurements of Bobi eggs: 18.0 x 13.3: 18.5 x 13.3

Ornithoicus, but the large wholly black member of the genus was not observed.

On the Bindi (which natives here - Bananya - call the “Buni”i”) we saw both the species like no. 5974, and the small blackbird with much white on underparts and rump (C. sabini).

5975. Palm Swift. F. ovary slightly enlarged.

Stomach contained many winged ants and a small beetle. Practically more noticed during the trip down the Aruwimi.

5976. Green Sunbird. F. testis somewhat enlarged.

Stomach contained 2 hard round seeds from berries.


One of a flock of 5 or 6, that came to feed in a wild fig tree.
Bengamisa
Sept 28, 1914.

H. rustica, in habits, flight, and voice
is extremely close, and they are probably
also fond of villages, for no more were
noticed till we were very close to Stanlyville.
The extensive white patches in the tail
make recognition easy in life.

Sept. 29 (Bengamisa—Kaparata)

5974. Large stub-tailed Swift. C [imm] tests
Charetaea cassini
very small. Stomach filled with winged
ants. Seen occasionally along the
Aruwimi, but the large wholly black
member of the genus was not observed.
On the Lendi (which natives here—Bamora
—call the “Lundi”) we saw both the
species like no. 5974, and the small
Charactea with much white on underpart
and rump. (C. sabini)

5975. Palm Swift. F. ovary slightly enlarged.
Stomach contained many winged ants and
a small beetle. Practically none noticed
during the trip down the Aruwimi.

5976. Green Sunbird. F. tests somewhat enlarged,
skull not quite completely ossified. Stomach
contained 2 hard round seeds from berries.

5977. Parakeet. (A. penkeri) F. tests slightly enlarged
Iris orange. Crop contained small seeds.

One of a flock of 5 or 6, that came to feed in a wild fig tree.
Bengamusa  
Sept 29, 1914

Centhimochares a. intermedius

5978. Dark gray Cuckoo 3. t. m. e. S. C. caterpillars.

Sept 30. (Kapalata - Stanleyville)  

5979. Dark blue Swallow 3. 3. m. e. Common  

along this part of the Lindi, just now they are almost invariably seen in pairs.

5980. Gray Flycatcher 3. 3. m. e. Common  

along this part of R. Lindi.

5981. Small gray Warbler 3. ovary somewhat enlarged. Stomach contained 2 small  
caterpillars and remains of insects.

The song of this little warbler was frequently heard along the Aruwimi, but usually they are more or less hidden by the foliage, and the boat goes by so quickly that one scarcely gets a chance to secure the bird, without a special

Stanleyville effort.

Oct 25.

5982. Sunbird 3. ovary slightly enlarged  

Preening itself in a dry tree near river bank.

5983. Brownish Grass-Warbler 3. tests slightly enlarged. Iris light brown,  

bill black, slightly greyish below;  

feet buffy pink, claws dusky.

This is evidently the species common about posts in the stuni. It is common here, too, but there is also  
a similar species (collected in 1909)  

with streaked black, resembling
the swamp-loving species of the Vele, but here not strictly confined to wet situations. The two species here have somewhat similar notes, mostly dry, trilling efforts, but the one with the streaked back often finishes up with a "chui-chui-chui..." which is distinctive.

5984. Black-crowned Waxbill, with blackish belly. F. ovary slightly enlarged, skull not completely ossified. Iris dark brown, bill black, with a triangular spot of light crimson on each side of mandible near base; feet blackish.

Hitherto I had never noticed this form except at Avakubi; but here at Stanleyville it is rather common, the less numerous than the white-bellied one, with which it may be found in company. Both are practically voiceless, feeding in small companies, picking seeds from the tall grasses, when they display great talents in balancing, or hopping on the ground.

5985. Yellow and Black Weaver (Pyronoctes?)

F. testis enlarged. Iris dark brown, bill black above, shading to dark greenish-gray.
Stanleyville
Oct. 25th, 1914.

5981. Beneath mandible, feet brown. Stomach contained small seeds.

5982. Same as preceding. I. t. e. S. C. small seeds.

5983. Family common in the high grass along roads and in old clearings hereabouts.

5984. At present they seem to be breeding, and go in pairs, the male very attentive to his dull-colored mate, and making short flights over the grass, that remind one of the similar performances of "Bishop-birds." (To more vivid.)

5985. But the wings appear to be kept somewhat above the horizontal, and are often beaten so feebly that it can be heard for a dozen yards.

5986. While perching the male seems a pretty bird—much more so than when in the hand—on account of the contrast of its black and yellow plumage, the feathers of the rump being slightly raised so as to show conspicuously.
No 5985 has been seen at Roma in a grassy marsh. At Malalidi we saw what were probably Colius passer, in dull plumage, & Vedula also occurred in the Bas. Congo, molting into breeding plumage towards the middle of January.
Stanleyville
Nov. 1, 1914

5988. Same as preceding & testes slightly enlarged.

Stomach contained berries.

5989. Same. ♀. Ovary slightly enlarged. Iris reddish-brown, scarlet above pupil.

Stomach contained berries and pieces of a bug.

Very common near Stanleyville, particularly frequenting the larger trees, where they cut their nests in the dead limbs.

Compared to most of the other barbets I know, these brown ones might almost be called spure. That at


5991. Slender billed "Weaver". ♀. Testes slightly enlarged. Stomach contained small fruits.

(Thom noticed a few times at Avalu, did not appear to be common there.)

Nov. 5.

5992. Bishop Bird. ♀. Testes much enlarged.

5993. ♀. t.e. Crop contained green rice.

5994. ♀. t.e.

Found in the extensive areas of tall grass near the "lazaret" N of the station; but I hardly think it is generally distributed here.

Nov. 8.

5995. Pyrenestes. ♀. Ovary somewhat enlarged.

Iris darkened, eyelids pale blue above &
Stanleyville
Nov. 8th 1914.

below, black before; behind eye; bill
dullly bluish, somewhat lighter on upper
side of maxilla; feet greenish-brown.
Crop and stomach contained seeds, rather
soft ones; indeed I have never been
able to understand, from its food,
why this bird should have such a
remarkable development of the jaws.
This seems to be of the big-billed kind,
from de Villenas showed
big-billed variety he had
_lucida subalaris_

Dec. 10, 1914

Birds at Stanleyville, a 51 gpermaloma
in full plumage

Nest, Nov. 22. The nest, of course common at Stanleyville,
contains remains of termite flying up

Blackish above, shading

mandible; feet light

amid the grass

giving its flight

song occasionally, about 21/2

not to
below, black before behind eye; bill dusky bluish, somewhat lighter on upper side of maxilla; feet greenish-brown. Crop and stomach contained seeds, rather soft ones; indeed I have never been able to understand, from its foot why this bird should have such a remarkable development of the jaws. This, I think, to be of the big-billed kind, but at Panga Mr. de Villegas showed me of the small-billed variety he had shot.

5996. Swallow (H. lucida subflavus) 7 imm. Very common here, feeding everywhere, and resting on dead trees, as well as on rocks and posts in the river. A large number gathered one rainy morning to catch termites flying up behind our house.

5997. Rufous-winged Thrush. 7 imm. Iris dark brown, bill blackish above, shading to gray beneath mandible; feet light blue. Stomach contained remains of insects, including orthoptera. Fairly common amid the grass and brush here, giving its flight song occasionally, about midnight.
Stanleyville
Nov. 8, 1914.

5998. Spermocephala. 5. very slightly enlarged.
   skull not quite entirely ossified (transparent
   spots penetrating in parietal region) Iris
   brown, of a medium tint, rim of
   eyelids pale-blue (not swollen); bill
   pearly blue, shading to scarlet along
   cutting edges and on tip of mandible,
   feet brownish green. Stomach contents:
   seeds.
   Shot among grass & bushes near a
   small brook.

5999. Piceulet. D. t. m. Stomach contained
   6 white "grubs". Was climbing about
   a dead limb in a rather small
   tree out in an open patch of tall
   grass.

6000. Cosynscha cyanocampster. 5. testis
   somewhat enlarged. Stomach contains
   a spider, a small caterpillar, and
   pieces of insects. In dense second
   growth — there were 3 singing within
   a circle of 15 yds diameter.

6001. Warbler (Cisticola). 5. im. Iris light
   grayish brown, bill dark brown above,
   shading to buffy yellow below; intern
   of mouth mostly yellowish, but base of
   tongue black above, and a large black
area on roof of throat (palate yellow
save for posterior edge), feet pale pinkish-
brown.

6002. Flycatcher (Muscicapa griseola). 1.
t.m.e. First seen this season.
A red-backed shrike was also observed
today. See 6006. The bank swallow was first
seen on its return from north, Sept 5
(Avaluvi). The swallow, Sept 29,
the blue-headed yellow wagtail Oct 14.

As for African birds—a flock of
5 starlings (Cabanis) was seen circling
overhead today. Now merles metallicus
have been seen here during the
past month, these we saw some
in Aug 09; very probably they
disappear as at Avaluvi.

6003. Weaver. ♀ im. Stomach contained grass-seeds.
♀ 5986.
6004. Warbler (Parrornis?) ♀ im. Stomach contained
a small caterpillar and insect remains.
6005. Brownish-Gray-Warbler, with streaked back.
♀ eye somewhat enlarged. Iris light brown,
hill dark brown along culmen, shading to light
gray below; feet pinkish-buff. Common.
Stanleyville.
Nov. 14th, 1914.

Emeotoma collinsii

6006. Red-backed Shrike. F. o. n. e. Iris brown, bill dark brown above and at tip, shading to light gray on base of mandible; feet dusky greenish.

6007. Rufous-winged Shrike. F. ovary slightly enlarged. Iris dark purplish-brown, with inner rim much lighter; grayish; bill black, feet light blue. An adult male examined today (too badly shot to save) had the eye of exactly the same color. Utters a short "chuck!", repeated at intervals, from concealment in bushes.

6008. White-eyed Bulbul. F. t. n. e. Iris white, bill black; feet dark bluish-gray. Skull not completely ossified. Was giving a rather weak whirring note of 2 syllables, very different from its ordinary voice.

Nov. 15th.

6009. Weaver. F. textilis slightly enlarged. Stomach contained grass seeds and small stones. Commencing post-nuptial molt - the new feathers, the small, show plainly that the bird in eclipse plumage is streaky brown above, and white and buff below, all the black feathers, and even the yellow rump patch, disappearing entirely.

54003.
area on roof of throat (palate yellow
cage for posterior edge), feet pale pinkish-
brown.

6002. Flycatcher (Muscicapa grisola), 5.
t.m.e. First seen this season.
A red-backed shrike was also observed
today. The Bank swallow was first
seen on its return from north, Sept 5
(Avalhuru), the Swallow, Sept 29,
the blue-headed yellow wagtail Oct 11.

As for African birds—a flock of
5 storks (Caldimia) was seen circling
overhead today. No Zharma metallicus
have been seen here during the
past month, this we saw some
in Aug '09; very probably they
disappear as at Avalhuru.

6003. Weaver, f.im. Stomach contained grass seeds.
s. 5986.
6004. Warbler (Parrorna?) f.im. Stomach contained
a small caterpillar and insect remains.
6005. Brownish grass-Warbler, with streaked back.
Cisticola rugulosa
f. eyes slightly enlarged. Iris light brown,
bill dark brown along culmen, shading to light
gray below; feet pinkish-buff. Common.
no heads, legs or wings.

A nest of this species of humming bird, found today in a rather large tree along a road, at a height of 30 feet, was of typical shape, composed of fine strips of dry from vegetable material & pieces of dry leaves lined with plant down, and decorated exterioirly with pieces of bark, lichen & caterpillar excrement. This nest contained 2 young, with eyes still closed, billed pink, quite pale yellow, feather sheaths still very small, abd dusky. No down whatever. Both parents were seen in the tree, the female entering the nest.

6015. Sandpipers (Calidris) ♀ o.m.e.

6016. Large Snipe (♀ o.m.e. Stomach contents: Gallinago media) 

(16 records)

several small stones, remains of insects (?) and a small white maggot-like insect larva.

6017. Snipe (♀ gallinago) ♀ o.m.e. Stomach contents: insect remains.

6018. Same as preceding ♀ o.m.e. Stomach contains a few small stones and remains of arthropods. Nos. 6016-18 were put up singly in a small open marsh in a pasture. Nos. 6015 & 6016 were quite fat, but 6017 & 18 decidedly lean.

6019. White bellied Starling [♀] o.m.e. not sentence leaving well.

6020. Weaver Finch (Spermestes) [♀] Same as 5998. 6021. Nightjar.

Nos 6019-21, preserved by injection with formalin, and presented by Dr. Grambole, were collected at Stanleyville from 4 to 6 months ago. Nightjars must be scarce, I have not yet
Nov. 23, '14
Corax sordidus
6023. Crow, f, o, n.s. Iris dark brown, bill very black. Common about Stanleyville, but do not come to roost every night in the station, as formerly. At sunset, on Oct 16, however, a flock of 35 was noticed; pairs are far more usual. Their note is a rather low, hoarse, and slightly prolonged "kâh-kâh". I have seen one pursued by drongos. They may sometimes be approached to within 10 yards when on the ground, they are usually shy. Up to the time of our arrival here, none had been seen since Nianzara.

Nov. 24

Nov. 27
6025. Reed-Warbler (Calamocichla) Iris testes slightly enlarged, skull not completely ossified. Iris rather light brown, bill dusky brown, shading to buffy gray on base of mandible; feet rather light bluish gray. (See note under No. 6034.)
6026. Grass-Warbler (Chisticoa) Iris testes slightly enlarged. Stomach contained a green
Stanleyville
Nov. 27, 1914

grasshopper and remains of other insects.

6027. Paradise Flycatcher. S. testes slightly enlarged.
Preserved with formalin, presented by Dr. Broszle.

Of the median rectrices, the right one is about
7 inches long and pure black, the left one
is about 4 inches, black with a little rufous
at tip; back rufous.

6028. Paradise Flycatcher. F. ovary slightly enlarged.
Preserved with formalin, presented by Dr. Broszle.

6029. Paradise Flycatcher S. t. m. e Iris dark
brown; bill, eyelids, feet blue, the first-
mentioned with a little black at tip;
interior of mouth light yellowish green.
In the midst of the mouth, with middle
tail-feathers just sprouting, but lack
wholly white.

6030. Paradise Flycatcher. S. testes much smaller.
Bill bright blue, black at very tip; iris
dark brown; eyelids & feet bright blue;
whole interior of mouth greenish yellow.

Comparing no. 6029 and 6030 while
fresh, I found the blue of bill, eyelids
and feet somewhat brighter in the
latter, and the color of the interior of
the mouth was likewise brighter.
Stanleyville
Nov. 29, 1914.

6031. Cossypha verticallis. 5 testes slightly enlarged
skull not completely ossified. Iris dark
brown, bill black, feet purplish-gray.
Stomach contents: remains of a small
round millipede.

6032. Same as preceding. 5 testes slightly
enlarged, skull not quite fully ossified.
Stomach contained remains of rather
small beetles.

Three were singing this morning
in a small dense patch of bushes
and trees, near a swampy creek,
on the other side but surrounded by tall grass.
Cossypha cyanocamptes of course
inhabits the dense second growth so
extensive about Stanleyville, but
one example of C. verticallis had
already been seen several times
near the cemetery and among the
coffee trees close to the station. This
latter species has here been heard
to mimic Frinedicus aquamarinus,
Meraspis persica, Austurina x. Turdis.
It's singing is louder than, but hardly
as rich in tone as that of C. cyanocamptes.
Stanleyville
Nov 29-1914.

6033. Sunbird. T. testes slightly enlarged.
S. 6014. Skull not quite fully ossified. Stomach contained a spider and a small caterpillar.

6034. Warbler (Calamocichla) T. testes slightly enlarged. Iris rather light brown, rim of eyelids light greenish, maxilla dusky brown, mandible shading from greyish at tip to buffy at base, gape light yellow, feet rather light gray, interior of mouth yellow.

One or two of these birds, whose voice is exactly the same as those of Paradja" or Pawa", haunted some tall grass (not matete) on dry ground, but close to a creek. This peculiar guttural "churr" was heard once at Banalia.

6035. Skeleton of Black crested Eagle (Sphoettus)
Q. right very much enlarged (laying), Yanonge left one very small. Crop contained 3 rats.

Dec 10, 14.

6036. Paradise Flycatcher. S. t.e. Iris dark brown, bill and eyelids bright blue.

6037. Paradise Flycatcher. S. t.e.
Shot close together. Is color of back simply a question of age?

6038. Pyreneus. S. t.m.e. A rather large flock was going to roost in high grass in rubber plantation. Another male
was shot & had likewise small beak.

6039. Barbet (Tricholaema) S. t. n. e. S.C.: fruit.

6040. Long-tailed Sunbird S. t. n. e. shall not fully
nectarina congoe
Black, Stomach contained remains of
small spiders.

6041. Same. S. t. n. e. shall not fully raised
nectarina congoe
iris dark brown, bill brownish black, feet
black. Stomach contained remains of small spiders.

No 6040 x 1 were feeding at the
brilliant red flowers of an ornamental
tree known here as the "flamboyant"

6042. Conical. S. t. n. e. S.C.: grasshoppers &
Centrobus anselli
Crickets, larval of wasps, a caterpillar,
snails (with their soft shells torn off), a
few slugs. Iris reddish-brown, bill
blackish; feet dusky.

Dec 11, 14
6043. Long-tailed Sunbird S. t. n. e. S.C.: tiny spiders
nectarina congoe
6044. No " congoe"

in Basoko.

6045. Thrush (Alethe) S. sim. S.C. insects
bones of tiny frog.

Dec 12
6046. Small Plover. S. t. n. e. Iris very dark
Chondreus magnus. Pallidus
brown, bill black, with a little greenish-gray
at base of mandible, feet light
greenish-gray, slightly fluffy on metatarsi

6047. Same. S. t. n. e.
Near Lié.
Dec 12, 1914

Sitagra (measomphala?)

6048 A
Yellow Weaver with black head. t. m.e. Iris brown; bill black, shading to greenish-gray on base of mandible; feet brownish-pink. S.C.: small seeds.

In long grass on edge of an island.

6049. Long-tailed Sunbird. A. t. e. A matching congress. Sunbird nest, probably built by this species, was hanging from a bush, over the water. A S sunbird was near it.


6050. Small Flower. Q. ovary slightly enlarged. C. leaves on pedicel. S.C.: remains of insects, including many heads of termites. gathtata

6051. Weaver (Spermoopiza) Q. iris. Iris

No. 6051. Interior of mouth yellow, 3 black spots on palate. Outer ones large, posterior pair lacking. Black crescent beneath tongue, on mandible; no mobiles on tongue.

Spermoopiza Q. Iris


Not seen above Coquilhatville. The from here on along the river they were very
Near Lié
Dec 12, 1914

6048
Sitagra (meaningkala?)
Yellow Weaver with black head.
T. n. e. Iris brown, bill black, shading to greenish grey on base of mandible, feet brownish pink. S. C. small seeds.
In long grass on edge of an island.

6049
Long-tailed Sunbird. T. n. e. A metochina familiaris
Sunbird nest, probably built by this species, was hanging from a bush over the water. A F sunbird was near it.

Nouvelle Amours - Dec 14
6050
Small flower, f. ovary slightly enlarged. Chordaria n. pallidina
S. C. remains of insects, including many heads of termites.

6051
Weaver (Spermochoera) f. inv. Iris brown, rim of caudal pale bluish, feet olive.

Cocchillati ville. Dec 15
6052
Warbler (Cisticola) f. testis slightly small
Found all along the Congo, down to Boma.

6053

6054
Swallow (Riparia) f. ovary slightly enlarged
6055
Riparia riparia
6056
Riparia riparia

bill black, feet dusky brown.

Not seen above Cocchillati ville, the from 2 there on down along the river they were very
Coquilhatville
Dec. 15, 1914.

common, down to Boma.

6057. Weaver (Vidua) S. t. e. skylull, as usual, not completely sacrificed. Crop contained small grass seeds. (A male with long tail also noticed today. During my stay at Boma no males in breeding plumage were seen.)

6058. Long-tailed Sunbird S. t. e. S.C. remains of tiny spiders. A common bird about villages and posts and in trees along river bank; but I have not heard any note from it.

Coquilhatville Dec. 16.

6059. Rose-breasted Bee-eater S. t. e. e.

Coquilhatville Dec. 16, 1914 (Waingto)

A blackish swallow-like bird seen flying about here also; about as large as a martin perhaps, seemed to have something red on front of head, not a Psalidoprocne.

Pseudochelidon cyanotis

See 6060

6061. Weaver (Niguta) S. t. e.
Coquillatville
Dec 15, 1914.

common, down to Boma.

6057. Weaver (Vidua) S. t. e. skull, as usual, not completely ossified. Crop contained small grass seeds. (A male with long tail also noticed today. During my stay at Boma, no males in breeding plumage were seen.)

6058. Long-tailed Sunbird S. t. e. S. C. remains nectarine companions of tiny spiders. A common bird about villages and posts and in trees along river bank; but I have not heard any note from it.

Coquillatville Dec 16

6059. Rose-breasted Bee-eater S. t. e. Mergus malimbus Iris bright crimson, tail black, feet dusky-brown.

Seen first near Bumba, common in flocks of 30 or more, all along river, many seen as far down as Kungulu, near Kwamouth. The voice is of the usual character, and rather loud, but hoarser than usual. ("chick-le")

6060. Small brownish Swallow S. t. e. A number were flying about, with other swallows, over the river and a native village. Not noticed again.

Nigita camerolbala
6061. Weaver (Nigita). S. t. e.
Near Coquillhatville
Dec 16, 1914

6062. Small flower t.m.e. S.C. insects
Charadrius marginatus pallidus
6063. " " t.m.e.
6064. " " 9:00 a.m.

A common species, "found of river banks, villages, etc. Like its relatives, active at dusk.

6065. Long-tailed Squirrel. S. t. testis somewhat
Nectarchnis convexa
enlarged. S. C. remains of small spiders.

6066. Striato-breasted Swallow. S. testis
slightly enlarged, should not completely
ossified. S. C. remains of small spiders.
lady-birds and

1 bug. Dusky
flying about on
dark blue swallows
along the river

Kinhasssa.

I have not seen
species with
frequenting
but it is said
between Bon

6067. Long-tailed Nectarinia convexa
6068. Mated
6069. Culex elegans
6070. Phaner Dierch
6071. Buto lucipertus
Near Coquillatville
Dec 16, 1914

6062. Small Clover 5 t.m.e. S.C.: insects
   Charadina magnata pallida
6063. " t.m.e. "

6064 " " " " " " t.m.e.
   A common species, fond of river banks, villages, etc. Like its relatives, active at dusk.

6065. Long-tailed Sunbird. S. t. e. S. C. t. e. Nectarius congress
   S. C. remains of small spiders.

6066. Streihi-breasted Swallow. S. t. e. S. t. e.
   Slightly enlarged, shall not completely ossified. S. C. many small bees, some lady-birds and other small birds.

I beg. Two of these swallows were flying about over the water. The dark blue swallow is found all along the river as far down as Kinshasa. At Boma and Matadi I have not seen it; a regular crowding of species with slender outer rectrices frequenting the river banks there; but it is said (Drovic) to occur between Boma & Banana.

6067. Long-tailed Sunbird. S. t. e. S. C.
   Nectarius congress

   Colcelele 07/17

6069. Prime Owl. S. t. m. e. Iris chime.
   Buto leucophris.
   Yellow, bill light grayish green, approaching yellow distally; eee
December 17, 1914.

Greenish buff; toes yellowish; claws black with gray bases.

Sitting in tall tree at dusk on edge of forest.

June 18.

6070. Dying brown warbler. 8 t. s. e. Scirvits 3.

6071.

Six light brown, bill blackish, greenish gray beneath, basally; feet pale buff.

Everywhere common in lower Congo, flying high in the air, often spirally.

Today for the first time we began to see large patches of open bush country, and in a short walk at Bolobo at sundown I was surprised to see how the general aspect of the vegetation resembled that of the Vale, while the few birds we saw greatly strengthened this impression.

6072. Pantalus, f. in. Iris gray, bill yellow; bare skin of face orange red, but ring, around posterior border, throat still duller; feet pale pinkish gray, yellow on tibiae, drakey on tips of toes. (Captive specimen, presented by Dr. Seiling.) Only
Dec 18, 1914

One example seen from the steamer on trip down the Congo, a beautiful adult, on Dec 13th

Kwamouth Dec 19

6073. Bulbul with black breast band. S. tatei slightly enlarged. Iris very dark brown, bill & feet black.

6074. Same. F. imm. S. C. fruit

6075. " F. imm. " " " " " " " Found in open bush country. Have a sort of twittering note. A nest of this species, found this afternoon at Kwamouth was placed low down (4 ft) in a bush, a frail cup of slender grass & plant stems, containing 2 eggs, pinkish-white, indistinctly speckled with darker pinkish, and a faint rufous zone about larger end.

6076. Large brown Warbler. S. tatei slightly enlarged. Common at Kwamouth & Leopoldville. Has same song as in Vele

6077. Black Thrush with white shoulder patches. S. t. m. e.

6078. Warbler. S. tatei slightly enlarged. Common, Bolobo, Kwamouth, Boma, etc. Song same as in Vele.
Kwamouth
Dec. 19, 1914


6080. Small reddish "Weaver". F. ovary slightly enlarged.

6081. Large slaty Flycatcher. F. in.

Kungulu

6082. Coucal. F. t. m. e., Iris scarlet, bill black, feet rather dark blue-gray. Stomach contents: remains of miss (Orthoptera, Coleoptera) and a caterpillar.

At Kungulu the brush was rather tall, with some small trees, especially back from the river, but in general, from Kwamouth to Boma, the bushes were sparser and more stunted, the country far more barren and apparently infertile than in the Nile. This tendency is most pronounced at Boma, where many of the hills have practically no brush, only coarse grass, with here or there an occasional bush.


6083. Palm Swift. F. testis somewhat enlarged, flew into a lighted room at night. Common.
Kinshasa
Dec 20, 1914.

everywhere in lower Congo.

Leopoldville, Dec 21.

6084. Black Pitonmae with white on wing. Sim.

6085. Gray Pitonmae with pale underbelly. Sim.
Melaniparus nigriceps. Iris brownish-grey, bill black, feet light blue. Stomach contained caterpillar.


Common in lower Congo. Habits the same as in Uele.


6089. Sunbird S. t. e. Iris greyish-brown, bill & feet blackish.

6090. " S. t. v. c. feet black.

Common; Minnafern.

6091. Clapperlkebe. S. t. s. small, shall not quite completely osculated.

6092. Thrush (Zyothropsygia) S. t. v. c.

Leopoldville Dec 22.


6094. Same Sim. Iris chrome yellow, with greenish-grey inner ring; bill & feet blackish. S.C.: remains of insects (including beetles)
Leopoldville  
Dec 22. 1914.

Walking about in pieces or parties of 4 or 5 on cultivated ground.
Have a short complaining call when flushed.

6095: Large brownish Flycatcher. T. t. m. e.
Iris dark brown, bill & feet blackish.

6096: Waxbill. T. t.m.e. In flocks, feeding on ground, and alighting occasionally on grass. Common also at Roma.

6097: Greenish Bullfinch. T. t. e. Audouinii.

6098: Parisa ma. T. t. m. e.

Physeville. Dec 23.

6099: Barbet (Gymnolobus). T. t. e. sc. fruit

6100: " T. e. "

Iris dark brown, skin of face blackish, bill rather light rufous brown, feet dusky brown.

In this region there are often large wooded areas, but not the tall equatorial forest. A number of these barbets were sitting on a large dead tree where they had cut their nests, exactly like their congeners in the Ictiri, etc.

Many starlings, like No. 6101, were also perching there, and perhaps nest in the deserted holes of the barbets.
Thysville
Oct 23, 1914.

Pachyptila insignis
6101. Starling, B. testis slightly enlarged.

P. insignis
6102. B. testis somewhat enlarged; skull not quite completely ossified. Iris cadmium yellow.

P. insignis
6103. Same, ♀, o. e. Iris bright yellow.

P. insignis

Matadi
Dec 25.

Cathodura ruficant

First seen at Kinshasa, a common bird in the Bas-Congo. Goes in pairs or small family parties, is rather arboreal in its habits, but may also be seen low down in bushes, and does not shun the neighborhood of houses. Has some rich melodious notes, but they are not very long, or else simply repeated; and as in some species of Cossypha they are apt to be given louder towards dusk.

Dec 2
6106. Finch (Sericornis) I. tetricus slightly enlarged. Iris brown, bill dusky brownish; paler below, feet brownish. Common at Kivamouth, Leo, & Boma. Resembles its relative of the Nile in general habits as well as in its slightly musical cheeping notes.


Along the river above Matadi there is a high, overhanging, cliff, beneath the shelter of which are two large clusters of nests, evidently of these swifts, which frequent the spot in numbers, but too far away for me to be sure. It reminded me very much, however, of the colony at Piaga, near Faradje.

Dec 26.

6108. Pyтелia $\omega$ t. m. e. Iris light yellowish-brown, bill rose-color, feet grayish brown. Stomach contained heads of termites.

6109. Same. f. t. m. e. Iris light yellowish-brown, bill dusky brown above, shading to rose.
Matadi
Dec 26, 1914.

at sides and below: feet grayish brown.
Stomach contained remains of insects, including termites. Found on the barren hills about Matadi. Seen once near Boma.

6110. Bunting S. t. m. e. I rio dark brown, bill blackish above, buff below, and yellow at base of mandible & gape: feet buffy brown.

6111. Same S. t. m. e. slightly enlarged. S. e. o. n. e.

Very common at Matadi, even hopping about like sparrows in streets and yards. I have seen a dozen on a roof at a time, but usually they are in smaller numbers. They are also found on the hills, along the railway tracks — in short, almost everywhere. (Passer griseus has not been seen on the Bas-Congo)

Lagonosticta londorae, Sharp
6113. Small reddish "Weaver" S. t. m. e.

Iris brown, maxilla dark gray, mandible pale rose with dusky tip, feet dusky.
Stomach contents: small seeds.

Lagonosticta concava
6114. "Weaver" S. i. m. Iris brown, bill blue, shading to black at tip, feet dark bluish.
Crop filled with small seeds.
Cichlasoma ruficaudus


Put up on the slope of a stony hill near Matadi; flew a little way, lit on a rock, and then began to flutter about as the wounded. At the spot where she had taken wing crouched her downy young. No 6118 was found on the same hill, and the day following on the high rocky hill called "Liodi" south of Matadi. 4 goat-suckers, presumably of this same species, were observed.

6117. Young of no 6116. F juv. Iris dark brown, bill brown at base, black at tip; feet gray.

6118. Nightjar. F im. (C. fuscus)

Matadi
Dec 27, 1914.

Red, with all scales dusky brown.
S.C.: a mantis, a dragon-fly, a 
grasshopper & a small snail

6120. A painted colias

6121. Large black & yellow Weaver. T. testis

somewhat enlarged. Iris orange-red;
bill black; feet pinkish-brown. Crop
and stomach contained palm-nut
pulp & insect-remains. Shot from
a tree where Melanopteryx nigraimus
was nesting. This yellow weaver
seems to replace H. cucullatus in
the Bas-Congo, and is very common
at Boma.

Ploceus superciliosus (Scll.)

6122. A Weaver, P. o. w. e. S.C. seeds & insects.

Seen from Kwamouth to Boma. In
habits and notes same as in Uele.

6123. A yellowish green melba.

gyopastis melba

6124.

6128. The note of this dove might
be written: kii k•k•k kii
but sometimes the introductory part
is doubled: kii kii k•k•k kii

6129.
Matadi
Dec 27, 1914

red, with all scales dusky brown. S.C.: a mantis, a dragon-fly, a grasshopper & a small snail

6120. Large black & yellow Weaver: T. testis somewhat enlarged. Iris orange-red; bill black; feet pinkish-brown. Crop and stomach contained palm-nut pulp & insect-remains. Shot from a tree where Melanopteryx nigerinus was nesting. This yellow weaver seems to replace H. cucullatus in the Bas-Congo, and is very common at Boma.

Ploceus superciliosus (Shelf.)
6121. A. Weaver, T. o. m. e. S.C.: seeds & insects. Seen from Kwamouth to Boma. Its habits and notes same as in Uele.


6124. Gray Partridge (Othnastes) T. o. m. e. Iris dark brown; bill, feet, and male skin of face & throat scarlet. Crop contained many small bulbs, O, numbers of ants, and a small snail. Plucked on a grassy hillside. Partridges have been heard calling
at sundown at Bolog, Kungulu, and Matadi. The note resembles somewhat that of the francolin of the Uele, but is perhaps not quite so harsh.

Dec 28. *Ploceus conicus* 6125 "Weaver." O. t. m. e. Crop contained tiny seeds.

6126. Streak-breasted Swallow ♀ o. m. e.

6127. ♀ ♂ ...

Common at Matadi. Its old nests may be found beneath rocky ledges, but it has also learned to nest about houses, and nests may be seen, for example, beneath the eaves of the railway station. Also occurs at Boma, where the 2 other species of brown-rumped swallows both are found.


6128. Dove. O. t. m. e. Iris dark brown, eyelids gray; bill black; feet reddish-purple. Rather common about Boma. Has a low, hoarse, coting note, that seems slightly different from that of birds in the Uele.

Other pigeons noticed here at Boma are *Vinago calva*, *Chalcopelia afra* (abundant) and the brown,
Boma
Dec 31, 1914.

6129. Collared Pigeon (Streptopelia semitorquata)
   Timpson (1905) unconfirmed

6129. Paradise Flycatcher. T. imm. Iris
   dark brown, bill blackish brown,
   feet light blue.

In grove of trees, rubber trees &
   others, planted at agricultural
   station "Kalamu"

6130. Woodpecker. T. o. m. e. Iris dark red


5.47115. Iris scarlet on outside, shading to
   bright yellow on inner edge, bill
   black, feet dark gray. S.C. palm
   nut fibers, insect remains.
   Shuffling six parties of 3 to 6
   among bushes & trees in hollows
   house near water. Have "cawing"
   whining notes, but not so loud
   as either of the species of the Uele.

6133. Sunbird. T. iris somewhat enlarged
   Iris dark brown, bill & feet black.
   S.C. a ball of rubber & remains of
   winged insects.

6134. Yellow Finch with black face & throat
   T. iris somewhat enlarged. Iris rather
   light brown, bill brownish above,
   whitish below, feet pinkish-brown.
Commonly captured and kept in cages by blacks at Boma.

C135. Cosypha (leuglinii?) Sim. m.e. shall almost completely ossified. Iris dark brown, bill black, feet violet-brown. Stomach filled with blackish winged termites.

Common here, resembles in habits & song C. verticalis, and is apt to sing loudly at sunset. It certainly imitates other birds, this example having mimicked a bee-eater (m. persicus) very well. Probably the same species heard at Bolobo, Lea, Thysville & Mathi.

C136. Skeleton of Scopus. D. t. m. e.

S.C.H. small fish & a shrimp one, left piece for a new unfinished


C138. Same. f. o. e. Iris brown, bill scarlet, feet dark brown.

Perching in small parties in tall grass in a marsh, frequented also by the common red-checked waxbill.
Bona.

Jan 2, 1915.

Cyanomita verticalis cyanomphala

6139. Sunbird. T. testes slightly enlarged.
   Iris dark brown, bill & feet black.

6140. Chat. T. m. e. Iris dark brown.

6141. Same T. m. e. S. C.: remains of
   insects, a large white beetie larva
   ("grub")

Not uncommon; usually seen
near cultivated ground in valleys,
poring on bushes or tall grass stalks.

6142. Tiny grass Warbler. T. m. e. Iris
   rather light brown. Bill dusky brown
   above, pale flesh-color below, feet
   pinkish-buff.

6143. Weaver. T. testes somewhat enlarged.

   Iris: scarlet, bill black, feet pinkish.
   brown, S. C.: fibers from palm nuts,
   and remains of insects.

Jan. 3.

6144. Turaceous. T. testes somewhat enlarged.

   Iris: rather dark brown, papillae &
   edges of eyelids scarlet, bill dull
   dark red, blackish at very tip, feet
   black. Stomach contents: 9 wild
   dates. One of a pair in trees
   along a brook. The voice is
   very similar to that of T. emini.
   (resonant resonant "here", as well as a
   low, hoarse, prolonged "haw").
Boma

6145. Partridge (Pternistis). S. t. m. e.
Iris dark brown, bill, orbits, throat & feet scarlet. Crop contained many small bulbs (all 1/4 in. in diameter).

6146. Same. S. [Lim.] o. m. e. Crop contained many small bulbs, and numbers of termites (not winged).

These little bulbs are the same as those from the partridge at match. I have found that they are the bulbs of a fine grass growing commonly between the tussocks of coarse grass, and lay usually an inch or so below the surface of the ground, but are turned up in quantities in freshly cultivated land.

6147. Barbet, S. t. m. e. Iris light yellowish-brown (bright buff), orbits flesh color; bill whitish; feet pink, with gray claws. S. C. fruit.

6148. Same. S. o. m. e. Colors of eyes, bill & feet same as in 5.


not uncommon, has a prolonged
Boma
Jan 3, 1915

"clicking" note much like that of the large red-v. black related species of
the Uele— which I believe I have
seen here also. (or)

6150. Brist. Shrike. T. testes slightly
enlarged. Iris dark brown, bill
black, feet dark bluish-gray.
S.C.: remains of beetles, a bug,
and a millipede.

Shrike in the densest brush
they can find, the male occasionally
uttering short whistles (much
dearer musical than those of the
species of the Uele), and the female
answering with a harsh "kik-i-kik."

6151. Thrush. T. testes somewhat enlarged.
Iris dark brown, bare skin behind
eye dusky greenish. Bill yellow,
feet pale brownish-green. Very common

6152. Clapper Lark. T. testes slightly

Common here; habits same as
in Uele; frequenting barren spots
on hills as well as cultivated fields
in hollows. Wings may be beaten
5 or 6 times.
Bona
Jan 3, 1915

6153. Pinch (Serinus) t. e.
6154. *Estrilda perreuni (Vieill)*

Blue-gray "Waxbill", with red rump. Bill, Iris brown; bill light blue, dusky at tip & along cutting edges; feet rather dark blue-gray.

Crop contained small grass seeds.

6155. *Wagontits* t.e.

6156. *Haploptilia condanes* t.e. (Mate of no. 6155)

Crop & stomach contained small seeds.

Very common here.

Jan 5.

6157. Least Bittern. t.e. testis slightly enlarged. Iris, light orange-red, orbit greenish-yellow; bill yellow, shading to dusky brown above, feet yellow, tinged with green.

S. C. a mimow.

Drew up from a grassy swamp.

The purple gallinule collected at Avakuli also inhabits this swamp, also the "lily trotter", which is frequently heard uttering a reiterated "ka-ka......" in a rather weak voice.

6158. Warbler (Calamocichla) t.e.

Iris rather light brown; bill dusky brown above, light gray below; feet greenish-gray. Numerous in
the large papyrus swamp on the east side of Boma; notes precisely like those at Stanleyville and Faradje. (So far as I can judge from noises emanating from this swamp, there is no Bradypterus present.)

6159. Clapper Rail, 9, very slightly enlarged. Stomach contained remains of numbers of termites and a small passerine.

6160. Buff-cheeked Warbler &. sexes slightly enlarged. Iris light brown, maxilla blackish, mandible light bluish gray; feet pinkish-buff. Rather common. Its rather shrill notes consist mainly of sounds like 'chewee', 'chick' etc. repeated several times, then changing slightly, this to be repeated again, & so on. Two birds often call together.

6161. Band-tailed Tanager - Rebuis.

5. 6137. Lampiranu maroq guturalis.

6162. Shrike & imm.

5. 6150. Reed Warbler. B. t. m. e. Iris dark brown, maxilla dusky, mandible a light gray, interior of mouth orange.

6163. Reed Warbler. B. t. m. e. Iris, dark brown, maxilla dusky, mandible
Boma
Jan 7, 1915.

feet greenish gray.

Hiding in some long grass on
low ground, giving a prolonged
series of harsh scraping sounds,
repeated again and again, with
short intervals. (Rather like the
voice of the small European reed
wabler, but very much louder).

These notes are often heard from
a papyrus swamp here, and I
remember, in Dec '11, hearing
them from a papyrus swamp
near Paradja.

Xanthophorus xanthops (Hartly)
6164. Large Yellow Weaver. 5 im. Iris
light yellow, bill dusky, brown above,
shading to dull yellowish beneath,

Phalacrocorax s. leguillandi
6165. Barbet ♀. o.m.e. S.C. fruit.

6166. Kingfisher. S. tests small. Iris
dark brown, bill rather dark red,
becoming blackish at tip, feet red
on softer parts, but scales brown.
S.C. a millipede. Shot in open grove
of rubber trees. (Wabik)

6167. Crane ♀. o.m.e.; an egg in oviduct
Cerophyes egregia
(broken) whiteish, spotted with
sulfs, very heavily marked on
one end. Put up in long grass in
Boma
Jan 8, 1915.

A. Xanthophilus xanthops (Hartl)
L. 6168. Large Yellow Weaver. T. tests slightly
enlarged. Iris dull yellow; bill black;
feet pinkish. Stomach contained soft
fruit & remains of small insects.

Xanthophilus xanthops (Hartl)

Usually seen in pairs about
bushes in lower lying ground.
Has a prolong wheezy note like
H. cuculatus, but is comparatively
shy, not apt to be seen near houses.

Sunbird. T. tests somewhat enlarged.

Paradise Flycatcher. T. e. Iris
dark brown; bill bright blue, blackish
at tip, this color running back along
edges of mandibles, interior of mouth
greenish yellow; rim of eyelids,
feet, blue. Shot near same spot
as no. 6129. Has notes like Paradise
Flycatcher of N.E. Congo, but the
song, instead of being whistled
is a slow repetition of some
notes sounding more like "gee..."

Estrilda ferreini
L. 6172. Waxbill. T. o. e. Iris dark brown
bill light blue, blackish at tip.
Both specimens of this bird were
shot among the trees planted at
Boma
Jan 8, 1915.

Kalamu

6173. Thrush (Eurythyspygia) S. testis slightly enlarged.

6174. Babblers, t. o. m. e. S. C. palm-mut fibers & insects.

6175. Nightjar. F. t. m. e. Iris dark brown, bill light brown, bill brown with black tip; feet brown. About 6 of these nightjars were put up among bushes on a hillside near the reservoir.

6176. Nightjar. F. o. m. e. Iris of eyelids light brown, bill brown with black tip; feet brown. About 6 of these nightjars were put up among bushes on a hillside near the reservoir.

6177. Skeleton of Cuphobicae 3. t. e. e. adult S. C. palm-mut pulp and piece of a small fish.

Jan 11

6178. Widow (Cisthresia) with bases of remiges white. F. testis enlarged. Iris dark brown, bill pale blue, feet blackish-brown. S. C. small seeds. Found in a grassy valley, accompanied by 5 or 6 others of its kind, females & young males, the latter with yellow shoulder patches, white in the wing, and blue beaks.


6180. Crateropus. S. testis slightly enlarged.
Jan. 11. 15.

Iris scarlet outside, shading to bright yellow
on inner edge, bill black, feet dark gray.

S. C. fibers from palm, nuts, & insect remains.

6181. Same, S. t. m. c. shall not fully rejoin.

Iris as in adult, S. C. palm, nut fibers, mesos.

6182. Chat, S. t. m. c. small insects

S. d. m. c. in the Bas Congo, and Nimba region

is either rare or absent. But the
black (European?) congo has been
seen frequently. Merops persicus, v.
M. alliicollis are common, European
red, warbler, & Muscicapa grisea

also noticed.

6184. Pigeon. S. t. a. e.

6185. Coly, S. t. m. c. Iris rather dark
collus n. nigricollis
brown, naked skin before eye black,
that behind pale blue-gray; maxilla
pale bluish on top, elsewhere black,
mandible buffy-white, a little
black at base; feet scarlet, claw black.

S. C. fruit, piece of a leaf.

One of a party of 6 — in spite of
the fact that she was laying.

A coly's nest found at Kivavout
(Dec. 19-14) was built like those
of Vele, in a bush 9 ft from
Boma
Jan 11, 15

ground, and contained 3 eggs, colored like those of the Wele.


Jan 12.

6187. Green Pigeon Q. o. e. As they leave a tree the flight of these pigeons is always very noisy, but becomes practically silent once they are well under way. Rather common here. Voice came as in Wele. 2 turas.


6189. Red-wattled Flycatcher Q. tests somewhat enlarged. Common. May give from one to five clear whistled notes.

6190. Nightjar. Q. im. Nightjars common at dusk about Boma. Probably this is the common species. They make little or no noise, neither

Macrodipteryx nor Scotornis noticed

Xanthophades xanthopus (Hartl.)

6191. Yellow Weaver. Q. t. m. e. Dull yellow, bill black, feet brownish-pink. S.C. soft fruit & insect remains.

Jan 14.

6192. Widow Q. t. m. e. S.C. grass seeds.

6193. Same Q. t. m. e. Invis dark brown, bill
brownish white, shading to brown on
6194. Same. F. o. m. e.

Common, flocks of 20 to 30 have
been seen. Non-cless; rather shy.

Maequinitus angolensis (L.)
6195 V. Small blue & breasted Weaver. T. testis
slightly enlarged. Bill light pinkish-purple
shading to dusky at tip; iris gray; feet
pale buff. Crop and stomach contained
seeds. Seen at Matadi as well as
here, but usually only near
towns or native villages. Thus far I
have never seen one with red
cheek spots; yet the present
example seems perfectly adult.
M. angolensis very common at Neki in June 1909.
6195 Swamp Drial. F. o. e.; laying. Iris
tox caffartoria adansonii
rather light red-brown. Crop and
stomach contained small seeds,
a few termitites, and a tiny snail.
One of a pair put up on the top
of a rather barren hill.

magambo teyko
6197 Finch (Serinus). F. o. m. e.
6198 " " F. o. m. e. S.C.: small seeds.

Common: has semi-musical,
cheeping, voices, like the species
of the Vele; but does not really
sing or trill.
Boma
Jan 16, 1915.

6199. Halcyon heliophae. f. o.m.e.
S.C. a cicae. Abundant here.

Two of these king fishes will
often in take some distance apart
while calling sometimes, sitting in a
stiff upright position, and raising
their wings. Other members of
the genus — H. senegalensis for
example — will go tree about
the same performance, but both
birds perching on the same branch.

6200. Red-headed Weaver b. teets
somewhat enlarged. Feeding in
long grass in march

6201. Waxbill. B. teets somewhat enlarged
Crop filled with small seeds.

6202. Reed Warbler (Climacocichla) f. o.m.e.
(Schizactinia apicalis)
Zamb: Jan 16)

6203. Buphaga f. o.m.e. Iris yellow,
base of bill bright yellow, rest scarlet;
feet blackish. Stomach filled with
ticks and short hairs.

6204. Same f. o.m.e. Iris brownish-gray,
outer portion of bill scarlet, base
of maxilla blackish above, rest of
bill yellow. Stomach filled with
ticks and hairs.
Zambi
Jan 17, 1915

Sent up to me from agricultural station at Zambi, below Boma, where they are said to be common. They are not found about the cattle near Boma, the there are herds of over 100 head, and perhaps not even on the island of Matamba, where there are many cattle. According to Mr. Drouin they were not seen at Zambi before 1908, appearing first in company with a herd installed at some distance north of the river, and then, when these were brought back to the station, the birds came too.

Boma, Jan 17.

6203. Baracusa S. tectis slightly enlarged.
6206. S.C. fruit.

Not uncommon, though there are few woods to shelter them.

6207. Cuculus solitary. F. tectis slightly enlarged.


6209. Widow. F., t.e., skull not quite fully ossified. Crop contained small
Boma
Jan 17, 1915

græs seeds. Iris dark brown, bill
light blue, feet black.

6210 A. Strilda perakens
Weaver. F. M. E.

6211. Peraphene. 0. t. m. e. 
Wre found together.

6212. 9 m.

6213. Urubonochera. Stincta slightly enlarged

Very common, Kwamouth; Leopold-
ville, Matadi, Boma.

6214. Serimiti (black face) & t. c. 6.6
Stomach contained seeds.

6215. Same. 9. very slightly enlarged.

S.C. seeds.

To capture these finches, a
cage containing a captive bird is
Hung in trees about the village,
This cage having one or two
separate compartments, where
small seeds such as rice are
Scattered, and the door of which
Is snapped down by a spring when
A bird alights on a perch within.
Spermatites & the red Lagomosticta (?)
Are also caught, but these I have
Found the other species of Spermatites
Much more common here, I have
Never seen it kept in a cage here.
(Saw one in cage however at Sierra Leone.)
Sitagra mongaca. Sharpe.

6216. Weaver. T. testis somewhat enlarged.
Iris dull light yellowish, bill black, feet rather light bluish gray. Stomach contained a small caterpillar & insects.
Shot at edge of papyrus swamp.

6217. Widow. B. skull not quite completely concolor with eyes; bill gray.
Iris dark brown, bill light blue-gray, feet dusky. S. C.
Grass seeds.

Since about the first of the month, a male in full plumage has been seen occasionally in the high grass in a swamp. This one was shot in an opening in a papyrus swamp. The species has not been noticed elsewhere about Boma.

6219. Macronyx. T. Testis slightly enlarged.
Common (going on paria) about a pasture bordering on a large plain (swampy at certain seasons) 2 1/2 hrs. walk N W of Boma. Not noticed anywhere else.

Jan 21, 1915

in pasture mentioned under No 6219.

They were silent, and in habits
like the species of the "Redstart"

6221. Larv. F t. m.e. S.C. remains of a
    "Melanthus" GRASSHOPPER and many small терmites.

    Leaves. Iris scarlet dark brown.

Jan 24.

6223. Bee - tester. F t. m.e. Iris dark
    brown. Bill black. feet blackish.
    Sits on dead branches of a
    "Melanthus" tree. 1st to be seen.

6224. Burbeck. t. m.e. Cup & Stomach
    contained fruit. Not uncommon,
    call as normal, 4 or 5 notes. then a
    slight pause.

6225. Pycnomelana. t. m.e. testes slightly
    enlarged. In precnuptial molt.
    Very common, but very few have
    begun to molt yet. (A male in
    full plumage was seen at Yawne.
    mr. Stanleyville on Dec 10; but none
    further down near Bumala.)

6226. Chrysanthemum collinensis

6227. Redstart. F t. m.e. S.C. small
    fruits & insects. Shot at same spot.
Boma
Jan 24, 1915.

6208. Near a wooded ravine on a hillside. *Andropadus* sp.

6228. Bellbird. ♀. St. m. e. *S. c. inaeque*.

6229. Sunbird. ♂. t. m. e. Common.

Jan 25. *Gebelisphongon* rubripennis

6230. Paradise Flycatcher. t. testis slightly enlarged.

6231. Coly. ♂. o. m. e. *S. c. fruit* (Sieu). *C. m. nigricollis*

Common, often in small flocks. Utters short hoarse notes, but is generally silent.

6232. Meropid albicollis. ♂. t. m. e. Common here at present. Many of the migrants from Europe are very little in evidence here.

*Miranda stictica*, *Riparia*, *Saxicola*, *Pratincola*, *Anthus trivialis*; these are some of the common ones that appear to be lacking. *Cyprus* & *Acrocephalus*, *Sylvia*, *Muscicapa*.

6233. *Dendroica* guttata. ♀. t. m. e. Iris dark red, bill blackish, with base of mandible bluish-gray, feet dull gray. S. C.: many larvae & a few pupae of insects. This seems to be the only woodpecker at all common about Boma.
Boma
Jan 25, 1915.

6235. *Shrike*. t. t. m.e. Iris rose, bill black; feet lead-gray. Rather common in lowlands.

6236. *Pratincola salax*. ♀ im.

6237. *Pytilia*. ♀. testes slightly enlarged. Iris brownish-orange; bill rose (but without gloss); feet grayish-brown. Crop & stomach contained termites (workers) & small grass seed. Not a common bird at Boma, probably fond of hills.

Jan 27

6238. *Porphyrio l. t. m.e. Stomach* atteri contained pieces of a large spider, small seeds, insect remains, & bits of stone. Iris scarlet, bill scarlet but darker, frontal plate dusky greenish; feet dull red, but shading to bright scarlet on tibiae.

Shot in a papyrus swamp where both adult & immature specimens had been observed previously. *Limmocorax* also inhabits this swamp, and the "lily-trotter" (Jacana) may also be seen in open places.
Bona
Jan 27.

it,

Almost
Conge
not
but
var

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Xantholphium zanthocephale Karie
6239. Large yellow Weaver f. ovary somewhat enlarged. Iris rather dull yellow, bill black, feet light brownish pink.
S.C.: green seeds.
Colquhounia congranu

Libauville, Labon, Feb. 12.

6241. Pelicanus auricans, f. o.e. Iris gray, tinged with purplish, toes mottled blackish, eyelids & naked orbits orange, yellow, bordered with blackish posteriorly; bill pale lemon yellow, becoming pale gray on outer part of mandible, tips (or "nails") of both maxilla & mandible light cadmium yellow; pouch light sulfur and bright yellow, the two colors alternating in
Boma
Jan 27, 1915.

It, as also on the Kalamu reserve. About water-birds in the Bas-
Congo I can say almost nothing, not having been out on the river,
but there is said to be a fair
variety of aquatic species, at
low water at least, especially
about the islands below Boma,
Matieba D., etc.

6239. Xanthophilus xanthops (Hartil) Large yellow Weaver ♀. ovary some-
what enlarged. Iris rather dull yellow,
bill black, feet light brownish pink.
S.C. green seed.


Libreville, Gabon. Feb. 12

6241. Pelecanus onocrotalus. ♀. o.e. Iris
grey, tinged with purplish, tarsus
mottled blackish, eyelid & naked
orbits orange-yellow, bordered with
blackish posteriorly; bill pale
lemon-yellow, becoming pale grey
on outer part of mandible, tips
(or "nails") of both maxilla & mandible
light cadmium yellow; pouch
light buffy and bright yellow,
the two colors alternating in
of this species, was seen on an island below Boma, Jan 30th. None noticed on the Congo in coming down from Stanleyville to Kinshasa.

The present example was bought in the market at Libreville and was said to have been captured with the fish-net known as "l'épervier", which is thrown out over the water.

The scarcity of water-birds (as seen from the steamer at least) in the different ports at which we have called (Candana, Loango, Cape Lopez, Gaboon R., Fernando P. (Sta Isabel)
rather narrow cross-lines, of which the yellow ones are slightly raised, feet (including webs) rather dull red, pale behind metatarsi and beneath toes, claws light grayish green. Stomach contained 3 fish, swallowed head first, largest one 10 inches long.

A flock of pelicans, apparently of this species, was seen on an island below Boma, Jan 30th. None noticed on the Congo in coming down from Stanleyville to Kinshasa.

The present example was bought in the market at Libreville and was said to have been captured with the fish-net known as "l'épervier", which is thrown out over the water.

The scarcity of water-birds (as seen from the steamer at least) in the different ports at which we have called (Lundana, Loango, Cape Lopez, Baboon R., Fernando Po (St. Isabel))
is striking. There are usually a few large Terns, with light reddish heads and black necks, which often alight on floating logs or buoys, but as a rule, this is about all. The accipiter (Pandion haliaetus) was seen at Caudana, and a couple of Cypsiurus at Fernando Po.

At this latter town, under the roof of a balcony, there were a number of nests of affinis white-rumped swifts, Cypsiurus, like that collected at Matadi, and also seen at Boma & Libreville. They were built of feathers and dry grass (or other similar material), shaped like nests of certain swallows (H. puegas), with a rather small lateral entrance. The birds were numerous, probably 50 or 60 at least, and not shy. One dead and dried-up specimen was secured that hung by its neck from a nest, so the it had been
caught by a hair or fiber and strangled.

In Sierra Leone harbor for the first time we saw numbers of gulls, mostly a middle sized species (L. cirrocephalus) the adults of which had gray heads, underside of wings blackish, mantle blue gray, but wing covert darker. One adult black-backed gull (L. fuscus?) also noticed. There were likewise many terns, partly Hydrochelidon in winter dress, the others resembling Common Terns, and only black on the back of the head. A few kites (Milvus) also hovered over the water, and numbers of brown vultures (Neophron) sailed about over the town and sat on trees and rooftops.

The day after leaving Sierra Leone (no land in sight) there were shias, following the ship, sometimes 2, sometimes as many as 6 or 8. As we were making only 9 knots or so they would often sail down,
alight on the water like gulls, and drop far behind; easily catching up to us again.

They varied considerably as to color; a few were sooty brown all over; others were sooty-brown, but white about the vent, and margined with whitish on abdomen, rump, and under tail-coverts. Still others were brown save for the lower breast and abdomen, the undertail-coverts being dark-brown, not margined with whitish; and in one the white of the breast went a little further forward and around the back of the neck. But the commonest pattern was this: brown on crown and sides of head, back, wings, tail & undertail-coverts, whitish throat, hind neck, breast & abdomen, with a dark, rather narrow, breast-band. Some of the last mentioned, and one of the pure-brown ones showed the prolonged & twisted rectrices, which were not pointed, so I believe they were all S. pomatius.

On Feb 28, Mar 2 & 3, these birds
S. Lucas Feb 27.-28. 1923

1. All sooty-brown

2. All sooty brown, but feathers of abdomen, nape & under tail coverts broadly margined with white.

3. [Illustration]

4. [Illustration]

5. [Illustration]


8. Crows.

10. Yellow underparts incl. throat & under wing coverts white. Tail (close) whitish in light gray with black tip, square & slightly rounded in their short oceanic form.


At least had middle tail feathers slightly elongated. Waters were noticed, flying low.
still followed us, tho' of course none were seen in the harbor at Dakar. There were many gulls, of two species, the lesser Black-back (L. fuscus) and a smaller, black-headed gull — tho' only a few were black on the head at this season — with dark red bill, which I took for L. melanophris; tho' the tip of the wing was edged with black.

But the day before we reached Teneriffe Kittiwakes replaced the Shinas, mostly young birds with black-banded tail & blackish ovnape & wing coverts, even the few adults having dusky check spots.

Numbers of lesser Black-banded gulls were again seen at Santa Cruz (Teneriffe), & other gulls of the same size, but the mantle lighter and grayer, tho' much darker than Herring Gulls, especially on the wing coverts.

About 90 miles northward, the following morning, 5 or 6 shearwaters were noticed, flying low...
over the water as to be hidden frequently behind a wave. They were gray-brown above, white below (including throat & underwing coverts), the bill mostly yellow, but dark at tip, and the rather short square tail seemed (above) whiteish or light grey with black band at or near tip. This same morning we also saw a fork-tailed petrel, gray above & white below, skimming along just above the water, which it would strike at intervals with its foot. (Oceanodroma?)

Towards noon (Mar 6) two Skuas flew about the ship, larger than those previously seen, brown with buff edged feathers and white bases to the primaries. One at least had the middle tail-feathers slightly prolonged (Megaleara ?)

In many of the shops at Dakar where post cards, periodicals & souvenirs are on sale one may buy bird skulls, roughly prepared & usually minus the feet. The species
I noticed these are as follows:

"Poliotocole" (Chrysocecyx ornatus)
Parakeet (Palaearctis)
Rollers (Coracias)
Rosy Bee-Eater (M. rubricus)
Oriole (a yellow-crowned sp. like that of Hale)
Glossy Starlings
A small species of Hamadryas like that of Hale
A similar bird but with long graduated tail
A small purple species with white belly

Sturnids

A dark brown species with metallic forehead & red breast patch
A nectarinia, metallic green, even on belly, with elongated rectrices & a red breast patch.

In one of these shops there were hanging 2 trogons (Charomacrus) with long tail
covers, evidently from S. America.

Every day, from Mar 6 to 9, there were kittiwakes sailing at our stern
and hovering in our wake, perhaps even 8x10 at a time, and on Mar 9 a large
shark (megalepis). On May 10 we passed C. Finissima; and were followed
all day by a half-dozen lesser black-backed gulls, but no kittiwakes.
157611 — Rhynochops flaviventer A. June 23, 1913. Zambi, Bas Congo
157610 — " " " " " 22 " " " " 
157618 — " " " " " 18 " " " " 25 " " " " 
157614 — " " " " " 25 " " " " 15 " " " " 
157617 — " " " " " 25 " " " " 15 " " " " 
1576163 — Calactobupa cinerea 9 " " 25 " " " " 
1576164 — " " " " " 9 " " " " 25 " " " " 
1576178 — Oedipomus vermiculatus 9 " " 20 " " Zambi " " " " 1576179 — " " " " " 9 " " " " 30 " " " " " " 
1576180 — capenis 9 " " 30 " " " " " " 
1576194 — Bennota melanogaster 9 " " 22 " " " " " " 
1576172 — Capella gazelles A Sept. 4 " " " " " " " " 1576180 — Zola capenis 9 " " 91 " " " " " " 
1576181 — " " " " " 9 " " " " 8 " " " " " " 
1576183 — Polycnemus martensi [10] Jan. " " " " " " " " Zambi (Van Seef) 157763 — Polykroides typicus 9 " " " " " " " " " " Zambesi 1578181 — Aceda gossneri Dec. 31, 1914 Boston Barlage 1574185 — * Campetrona 9 " " Jan. 18, 1915 " " " " " " " " 1560185 — Themnodora Dim. June 25 " " Zambi 1561187 — Fuscus collaris australis? June 24 " " " "
162008  -  Coliumpana macroura  I. June 20, 915  Zamb. Camp
163002  -  Buphaga Langi  ? July 4 "
163003  -  "
163004  -  "  &  28,
Birds collected by Lang after my departure.

6242. Gymnogeneus typicus. ♂ in.
    Stanleyville, Mar. 10, 1915, Stomach
    filled with pulp of palm nuts, also
    two small kernels.

Zambi, Lower Congo
6244 " " " ♂ ad. June 22, 1915
6245-6 " " " 2♂ June 25, 1915
6247-49 " " " 3♀ June 25, 1915
6250. Galakypia cinerea ♂ ad. June 22
6251 " " " ♂ June
6252. Dedimus verniculatus ♂ June 28, 1915
6253 " " " ♂ June 30

6254. Dedimus capensis ♂ June 30, 1915
6255. Lisotis melanogaster ♂ June 22, 1915
6256. Pelecusus mufescens [♂] January?
    Studied by Dr. Van Saegeham

6257. Piscis Collaris smithii June 24, 1915
6258. Myrmecocinclia nigra ♂ June 25, 1915
6259. Buphagus africanus longi [♂] July 4
6260 " " " [♂] July 4
6261 " " " [♂] July 25

6262. Coliuspasser macroura ♂ June 20
Banana, Congo mouth
6263. Egretta gorrgetta ♂, Sept. 6, 1915. "Ov. not
    enlarged. Legs grayish green, bill black, lower
    part of mandible near loose pinkish; feet
Birds collected by H. Long (continued).
Banana, Congo mouth.
block, toes and a little of tarsius above them light green.
6264 Morus capensis 8 Sept. 8, 1915
6265 " " 8 Sept. 8, 1915.
10
Blank
pages
1915. (A.M. N. No. 157572) "not

light green

brown part of middle near base hillock

foot black tie v. little of tanaro

above them light green.
Fish.

Novelle Arrows, Dec 14, 14 — Perch — Dusty green above and on sides, shading to grayish-white on belly (in front of anus), iris red-brown.

Coquilhatville, Dec 16. (Fish shape) likees Polysternus — Dark brownish-green above, sides much the same color, but with a line of large blackish blotches, and mottled somewhat between these blotches with dull orange. Dorsal and caudal fins dusky-gray-greenish, spotted basally with blackish. Preopercle orange, pectoral v. ventral fins yellowish spotted with blackish. Iris greenish-blue and below, dark brown before v. behind, v. with a thin inner rim of reddish-brown.


Coquilhatville Dec 16. Small compressed fish — White on belly, shading gradually to dusky above, but with silver feel over, and also bluish reflections above, many blackish horizontal stripes. Gills gray, a little yellow on pectoral v. ventral, iris silver.

Inland, Dec 17 — Perch — General color above changing from light to dark green or brownish green, usually lighter below, white on belly. Spots of reddish on base of scale on sides of body, v. dorsal, caudal, anal fins dull greenish, thickly spotted with reddish. Three spots varying from dusky purplish to fairly bright red. Together with color of rest of body. Pectoral and ventral fins dull greenish, also tinged at times with red, a large black
spot on edge of speculum, cheeks with copper reflections. Iris green above, silver below, irises rim red. Crown and throat white, often tinged with blue. Bright red markings on throat and chest, as in related species painted at Avalon.

Bona. Jan 1. '15. "White-Bait"—Faint blue-white all over; silver reflections on sides of head and gill cover, also under a long silver bar on side of body. Fin with a yellow caudal, which is half yellow with black tip. Top of snout "head bright" with blackish, Iris blackish above, silver below; and with a narrow silver inner rim.

Kinsuassa. Dec 22. Large ground-lizard—iris buffy yellow. Crown greenish-brown shading to orange-red on cheeks and sides of lower jaw, black and upper surface of tail greenish-brown, with a blackish spot in the middle of each scale. Along each side of the back, from the eye nearly to the tip of the tail runs a greenish-yellow stripe, broader on both sides with black. Sides of body blackish above shading to greenish-gray lower down, and flecked with yellow. A yellow line runs from the ear nearly to the base of the fore leg. Sides of tail greenish-gray, faintly flecked with yellow. Upper surface of front and hind limbs rather dark greenish-gray. Throat flecked with reddish yellow, whole rest of under surface dull greenish-white.
Large Mammals.

TL. 127; LT. 69; LH. 17; LE 3.5.

TL. 104; LT. 58.5; LH. 15; LE 3.4.

Iris in both specimens light brown, iridal calliories dusky-greenish. Stomach contained light green vegetable matter, probably chewed up leaves.

TL. 522; LT. alt. 12; LH. 6.8; LE 3.5.
HS. 16; HP. 16; LB. 33; 2 embryos in uterus. Stomach contained leaves, well chewed up, and with a slightly aromatic smell. Iris blackish, shield of nose, eyelids, ears & soles of feet black. Tail does not protrude, and cannot be bent upward, hence difficulty in measuring it.

TL. 43; LT. alt. 1; LH. 6.0; LE 3.
Stomach contained leaves, like preceding (vulture had eaten any grass so far as I could see).

TL. 130.5; LT. 24; LH. 33; LE, 13; H.S. 65
HP. 70; LB. 65.

Rather common, hiding in long grass and bushes, especially in hollows.

TL. 155; LT. 29; LH. 48.5; LE 16.5
Iris brown, retinal light exterior, darker and with a slight purplish tinge near pupil. With is elongated horizontally. Not uncommon, especially in broad valleys with long grass.