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# NOTES ON PHILIPPINE BIRDS (No. 3)

BIRDS OF MARINDUQUE

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# INTRODUCTION

The island of Marinduque lies in Tayabas Bay, west of the Luzon province of Quezon and east of the island of Mindoro. The area of Marinduque is 743 square kilometers and the maximum elevation is 872 meters. At present the island is 30 per cent forested, with the remainder under cultivation of such crops as coconuts, corn, rice, garlic, cassava, and sweet potatoes. The island has been visited by four ornithological expeditions: two in the late 19th century and one each in 1970 and 1971.

The first expedition to the island was by Alfred Marche in the period April-June 1881. He collected 77 specimens of 29 species, three of which subsequent collectors have not found, i.e., *Haliaeetus leucogaster*, *Rallus striatus*, and *Monticola solitarius*. Marche's specimens are at the Paris Museum and are published for the first time in this paper. The second expedition to the island was by J. B. Steere in May 1887, as part of an extensive survey throughout the Philippine Islands. His party recorded 74 species on the island, which were reported in a general way only (Steere, 1890, 1891).

More recently, the Delaware Museum of Natural History sponsored field work on Marinduque, with the first visit to Barrio Canat, Boac, in March 1970, and the second to Santa Cruz in May 1971. These visits yielded a total of 57 species, 16 of which were new to the island. Some of these records have been included in duPont (1971) but are documented for the first time in the present paper. This brings the total known avifauna of the island to 96 species, not counting the questionable record of *Mimizuku gurneyi* (Hachisuka, 1934:51) and Worcester's record of *Ciconia episcopus* (McGregor, 1909:160). This paper provides a summary of these species, indicates which expeditions have recorded them on the island, and comments on some of the forms or records. In addition, new subspecies are described of *Coracina coerulescens* and of *Cyornis rufigaster*. This brings to four the total of endemic races from Marinduque, the others being Nectarinia sperata marinduquensis duPont and Zosterops

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montana gilli duPont. While the racial affinities of the island are otherwise with southern Luzon, the presence of these four endemics shows that Marinduque is of some import as an area of avian differentiation.

In the list that is to follow, subspecies names in brackets are based on literature and catalogue citations only, as the collections are scattered and I have not seen material to verify them. Nomenclature follows duPont (1971) unless otherwise indicated.

# Acknowledgments

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# FAMILY ARDEIDAE HERONS

Dupetor flavicollis [flavicollis (Latham, 1790)] Collected by Steere Expd.

Ixobrychus cinnamomeus (Gmelin, 1789) Collected by Steere Expd.

Butorides striatus [javensis (Horsfield, 1821)]

Collected by Marche Expd.−1 ♂; May Collected by Steere Expd.

Egretta sacra [sacra (Gmelin, 1789)] Collected by Steere Expd.

# Ardea purpurea [manilensis Meyen, 1834]

Collected by Steere Expd.

Nycticorax caledonicus [manillensis Vigors, 1831]

Collected by Marche Expd. $-1 \gtrsim 1 \circ$ ; May, June Collected by Steere Expd.

# FAMILY CICONIIDAE STORKS

# Ciconia episcopus [episcopus (Boddaert, 1783)]

According to McGregor (1909:160), this species was collected by Worcester, but Worcester did not list this species in his "Hand-list" in 1906

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and I find nothing in the literature between 1906 and 1909 to indicate that Worcester had been to Marinduque and collected a stork. Consequently, I propose that this species be deleted as a Marinduque record.

# FAMILY ANATIDAE DUCKS

#### Anas luzonica Fraser, 1839

Collected by Steere Expd. DMNH–1 & , Sta. Cruz

# FAMILY PANDIONIDAE OSPREYS

Pandion haliaetus [melvillensis Mathews, 1912]Collected by Steere Expd.

# FAMILY ACCIPITRIDAE HAWKS

# Haliastus indus intermedius Blyth, 1865

Collected by Steere Expd. DMNH-1  $\circ$ , Sta. Cruz

# Haliaeetus leucogaster (Gmelin, 1788)

Collected by Marche Expd.-1 ?; June Not previously recorded from Marinduque.

#### Spilornis holospilus (Vigors, 1830)

Collected by Steere Expd.

#### Hieraaetus kieneri [formosus Stresemann, 1924]

Collected by Steere Expd.

# FAMILY MEGAPODIIDAE MEGAPODES

# Megapodius freycinet [pusillus Tweeddale, 1877]

Collected by Steere Expd.

# FAMILY PHASIANIDAE PHEASANTS

Gallus gallus [gallus (Linné, 1758)] Collected by Steere Expd.

## FAMILY RALLIDAE RAILS

#### Rallus striatus [striatus Linné, 1766]

Collected by Marche Expd. $-1 \circ$ ; May Not previously recorded from Marinduque.

# Rallus torquatus torquatus Linné, 1766

Collected by Marche Expd.-1  $\delta$ ; April Collected by Steere Expd. DMNH-1  $\delta$ , Sta. Cruz

# Poliolimnas cinereus [ocularis Sharpe, 1894]

Collected by Steere Expd.

Amaurornis phoenicurus [javanicus (Horsfield, 1821)] Collected by Steere Expd.

# Gallicrex cinerea (Gmelin, 1789)

Collected by Steere Expd.

# FAMILY ROSTRATULIDAE PAINTED-SNIPE

### Rostratula benghalensis [benghalensis (Linné, 1758)]

Collected by Steere Expd.

# FAMILY CHARADRIIDAE PLOVERS

# Charadrius dubius dubius Scopoli, 1786

DMNH-1 ?, Boac

Not previously recorded from Marinduque. Breeds throughout the Philippines.

# FAMILY SCOLOPACIDAE SANDPIPERS

# Numenius minutus Gould, 1841

Collected by Steere Expd.

# FAMILY COLUMBIDAE PIGEONS

# Phapitreron amethystina amethystina Bonaparte, 1855

Collected by Marche Expd.—1 ?; May DMNH−2 ♂, Boac; 1 ♀, 1 in alcohol, Sta. Cruz

# Ptilinopus occipitalis G. R. Gray, 1844

DMNH-2 3, 1 9, Sta. Cruz Not previously recorded from Marinduque. Breeds throughout the Philippines.

# Ducula aenea [aenea (Linné, 1766)]

Collected by Marche Expd. $-2 \gtrsim 3 \circ$ ; April Collected by Steere Expd.

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# Ducula bicolor (Scopoli, 1786)

Collected by Marche Expd. $-2 \stackrel{\circ}{\partial}$ ,  $1 \stackrel{\circ}{\circ}$ , 2 ?; April, May Collected by Steere Expd.

# Macropygia phasianella tenuirostris Bonaparte, 1854

Collected by Steere Expd. DMNH-2 3, 2 9, 2 in alcohol, Sta. Cruz

#### Streptopelia bitorquata [dusumieri (Temminck, 1823)]

Collected by Steere Expd.

#### Chalcophaps indica indica (Linné, 1758)

Collected by Marche Expd.—2 ?; April, May Collected by Steere Expd. DMNH-2 & , 1 in alcohol, Sta. Cruz

# FAMILY PSITTACIDAE PARROTS

#### Kakatoe haematuropygia (P. L. S. Müller, 1776)

Collected by Marche Expd.—5  $_{\circ}$ , 4  $_{\circ}$ , 1 ?; April, May, June Collected by Steere Expd.

#### Prioniturus luconensis Steere, 1890

Collected by Marche Expd. $-4 \ \delta$ ,  $3 \ \varphi$ ; May, June Collected by Steere Expd. DMNH $-1 \ \delta$ ,  $1 \ \varphi$ , Boac

### Tanygnathus lucionensis ssp.

Collected by Marche Expd.—1 ♂, 3 ♀, 2 ?; April Collected by Steere Expd.

# Loriculus philippensis ssp.

Collected by Marche Expd.-7 + 3, 1  $\circ$ ; May, June Collected by Steere Expd.

# FAMILY CUCULIDAE CUCKOOS

### Cuculus saturatus horsfieldi Moore, 1857

DMNH-1 9, Sta. Cruz

Not previously recorded from Marinduque. Winters in the Philippines from China.

# Eudynamys scolopacea mindanensis (Linné, 1766)

Collected by Steere Expd. DMNH-3 &, Boac; 1 &, Sta. Cruz

Collected by Marche Expd.—1 \overlip ; April Collected by Steere Expd. DMNH-1 \u03c3, 2 \overlip , Boac; 2 \u03c3, 2 \overlip , Sta. Cruz

## Phoenicophaeus cumingi Fraser, 1839

Collected by Steere Expd. DMNH $-1 \gtrsim$ , Boac;  $1 \gtrsim 5 \Leftrightarrow 2$  in alcohol, Sta. Cruz

### Centropus viridis viridis (Scopoli, 1786)

Collected by Steere Expd. DMNH $-1 \gtrsim 1 \circ$ , Boac;  $3 \gtrsim 2$  in alcohol, Sta. Cruz

### FAMILY STRIGIDAE OWLS

#### Mimizuku gurneyi (Tweeddale, 1879)

Hachisuka (1934:51) states that an immature specimen (about three weeks old) in the British Museum belongs to this species. The author and several members of the British Museum Bird Room have looked for this specimen and cannot find it. A check of the catalog shows a "Bubo" specimen collected by Moseley on Marinduque.

In view of the facts that (a) the species has never been recorded other than on Mindanao, (b) our collectors looked for but could not find this bird on Marinduque, and (c) the alleged specimen is lost, the Marinduque record of Hachisuka should be disregarded as it was probably based on a misidentification.

#### Ninox philippensis [philippensis Bonaparte, 1855]

Collected by Steere Expd.

### Ninox scutulata randi Deignan, 1951

DMNH-1 &, Boac Not previously recorded from Marinduque.

# FAMILY CAPRIMULGIDAE NIGHTJARS

# Eurostopodus macrotis macrotis (Vigors, 1831)

DMNH–1 3, Sta. Cruz

Not previously recorded from Marinduque but recorded from throughout the Philippines.

# FAMILY APODIDAE SWIFTS

# Collocalia troglodytes G. R. Gray, 1845

Collected by Steere Expd.

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# Chaetura gigantea dubia McGregor, 1905

DMNH $-1 \circ$ , Sta. Cruz

Not previously recorded from Marinduque but agrees with specimens from Luzon that are considered to be *dubia*.

# FAMILY HEMIPROCNIDAE TREE SWIFTS

# *Hemiprocne comata* [*major* (Hartert, 1895)]

Collected by Steere Expd.

# FAMILY TROGONIDAE TROGONS

#### Harpactes ardens luzoniensis Rand and Rabor, 1952

Collected by Steere Expd. DMNH-1 ?, Boac;  $2 \ge 2$ ,  $2 \ge 2$ , 2 in alcohol, Sta. Cruz

# FAMILY ALCEDINIDAE KINGFISHERS

Ceyx cyanopectus [cyanopectus Lafresnaye, 1840]

Collected by Steere Expd.

#### Halcyon chloris collaris (Scopoli, 1786)

Collected by Marche Expd.–1  $\delta$ ; April Collected by Steere Expd. DMNH–1  $\delta$ , 2  $\varphi$ , Boac; 3  $\delta$ , 1 in alcohol, Sta. Cruz

#### Halcyon smyrnensis [gularis (Kuhl, 1820)]

Collected by Marche Expd.—1 ?; April Collected by Steere Expd.

# Halcyon lindsayi lindsayi (Vigors, 1831)

DMNH–2 ♂, Boac; 1 ♂, 1 ♀, Sta. Cruz Not previously recorded from Marinduque but agree with topotypical material from Luzon.

# FAMILY MEROPIDAE BEE-EATERS

# Merops viridis [americanus P. L. S. Müller, 1776]

Collected by Steere Expd.

## FAMILY CORACIIDAE ROLLERS

# Eurystomus orientalis cyanocollis Vieillot, 1819

Collected by Marche Expd.—2  $\delta$ , 2  $\varphi$ ; April, May Collected by Steere Expd. DMNH—1  $\varphi$ , Boac

# Penelopides panini manilloe (Boddaert, 1783)

Collected by Marche Expd.–2  $\delta$ ; April, June Collected by Steere Expd. DMNH–3  $\delta$ , 1  $\varphi$ , Boac; 1  $\delta$ , 1  $\varphi$ , Sta. Cruz

# Buceros hydrocorax [hydrocorax Linné, 1766]

Collected by Marche Expd.-1  $\delta$ ; May Collected by Steere Expd.

# FAMILY PICIDAE WOODPECKERS

Mulleripicus funebris [funebris (Valenciennes, 1826)] Collected by Steere Expd.

# Dendrocopos maculatus validirostris (Blyth, 1849)

Collected by Steere Expd. DMNH-1  $\Diamond$ , Boac; 1  $\heartsuit$ , Sta. Cruz

#### Chrysocolaptes lucidus haematribon (Wagler, 1827)

Collected by Steere Expd. DMNH-2  $\Diamond$ , 2  $\circ$ , Boac; 1  $\Diamond$ , Sta. Cruz

### FAMILY PITTIDAE PITTAS

#### Pitta erythrogaster erythrogaster Temminck, 1823

Collected by Steere Expd. DMNH-2 (3, 2 (2, -2), Boac

#### Pitta sordida sordida (P. L. S. Müller, 1776)

Collected by Steere Expd. DMNH-1 ♀, Boac

# FAMILY HIRUNDINIDAE SWALLOWS

#### Hirundo tahitica [abbotti (Oberholser, 1917)]

Collected by Steere Expd.

## FAMILY CAMPEPHAGIDAE CUCKOO-SHRIKES

#### Coracina striata striata (Boddaert, 1783)

DMNH–1 9, Boac; 2 3, Sta. Cruz

Not previously recorded from Marinduque but agree with topotypical material from Luzon.

# Coracina coerulescens

This species has been recorded from two islands: C. c. coerulescens (Blyth, 1842) on Luzon and a very pale race (in females), C. c. altera

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(Ramsay, 1881), from Cebu; Rabor (1959:39) reports that the latter is extinct. A third and very dark population heretofore unrecorded from Marinduque may be called:

### Coracina coerulescens deschauenseei new subspecies

Type DMNH 11284, ♀ Matabang Bundok, Kilo-Kilo, Sta. Cruz, Marinduque, P.I., 1000–1500', May 1971. Wing 129; tail 108; bill 26; tarsus 22.

DIAGNOSIS: Females differ from *C. c. coerulescens* of Luzon by being darker, most notably so on the crown, mantle, and underparts; lores are darker black and more extensive; forehead is almost black, not gray. Males do not differ.

**RANGE:** Marinduque.

SPECIMENS EXAMINED: coerulescens—Luzon 2  $\delta$ , 10  $\varphi$ ; deschauenseei— Marinduque 3  $\delta$ , 2  $\varphi$ ; altera—Cebu 1  $\varphi$ .

ETYMOLOGY: This new subspecies is named for Rodolphe Meyer de Schauensee of the Academy of Natural Sciences of Philadelphia.

#### Lalage nigra chilensis (Meyen, 1834)

Collected by Marche Expd. $-1 \gtrsim 1 \circ$ ; May Collected by Steere Expd. DMNH $-5 \gtrsim 1 \circ 2$ ; May

# FAMILY DICRURIDAE DRONGOS

### Dicrurus balicassius balicassius (Linné, 1766)

Collected by Marche Expd. $-1 \gtrsim 1 \circ$ ; June Collected by Steere Expd. DMNH $-2 \gtrsim 3$ , Boac

## FAMILY ORIOLIDAE ORIOLES

# Oriolus chinensis chinensis Linné, 1766

Collected by Steere Expd. DMNH−3 ♂, Boac; 2 ♂, 1 ♀, Sta. Cruz

# FAMILY CORVIDAE CROWS

# **Corvus macrorhynchos philippinus (Bonaparte, 1853)**

Collected by Marche Expd.—1 &, 1 ?; May Collected by Steere Expd. DMNH—1 &, 1 Q, Boac

### Pycnonotus goiavier goiavier (Scopoli, 1786)

Collected by Marche Expd.—1  $\varphi$ ; June Collected by Steere Expd. DMNH—1  $\beta$ , 2  $\varphi$ , Boac; 4  $\beta$ , 5  $\varphi$ , 2 in alcohol, Sta. Cruz

#### Hypsipetes philippinus philippinus (J. R. Forster, 1795)

Collected by Steere Expd. DMNH $-4 \ \delta$ ,  $3 \ \varphi$ , Boac;  $2 \ \delta$ ,  $2 \ \varphi$ , 2 in alcohol, Sta. Cruz

# FAMILY TURDIDAE THRUSHES

#### Copsychus luzoniensis luzoniensis (Kittlitz, 1832)

Collected by Marche Expd. $-1 \ 3$ ,  $1 \ 9$ ; April Collected by Steere Expd. DMNH $-3 \ 3$ ,  $1 \ 9$ , Sta. Cruz

#### Saxicola caprata caprata (Linné, 1766)

DMNH-4  $\beta$ , 1  $\varphi$ , 2 in alcohol, Sta. Cruz Not previously recorded from Marinduque.

# Monticola solitarius [philippensis (P. L. S. Müller, 1776)]

Collected by Marche Expd.-1 ?; April

Not previously recorded from Marinduque but winters throughout the Philippines.

# FAMILY SYLVIIDAE OLD WORLD WARBLERS

#### Megalurus palustris forbesi Bangs, 1919

Collected by Steere Expd. DMNH–1 & , Sta. Cruz

#### Megalurus timoriensis tweeddalei McGregor, 1908

Collected by Steere Expd. DMNH-1  $\stackrel{\circ}{\circ}$ , 2 in alcohol, Sta. Cruz

#### Cisticola exilis semirufa Cabanis, 1872

Collected by Steere Expd. DMNH−1 ♂, Sta. Cruz

# Locustella fasciolata (Gray, 1860)

Collected by Steere Expd.

# Locustella certhiola [ochotensis (Middendorff, 1853)] Collected by Steere Expd.

### Phylloscopus borealis ssp.

Collected by Steere Expd.

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# FAMILY MUSCICAPIDAE OLD WORLD FLYCATCHERS

Rhipidura javanica nigritorquis Vigors, 1831

Collected by Marche Expd.−1 ?; April Collected by Steere Expd. DMNH−1 ♀, Sta. Cruz

# **Cyornis** rufigaster

Although the Steere Expedition recorded this species on Marinduque, there has not been a series available for study until recently. The Marinduque birds are really distinct and may be called:

# Cyornis rufigaster marinduquensis new subspecies

Type DMNH 11216, & Matabang Bundok, Kilo-Kilo, Sta. Cruz, Marinduque, P.I., 1000–1500', May 1971. Wing 80; tail 70; bill 16.5: tarsus 18.

DIAGNOSIS: Males-dorsally similar to C. r. simplex Blyth, 1870, of Luzon but differ in having the white of the abdomen extending further anterior. Similar to C. r. philippinensis Sharpe, 1877, to the south, in color of underparts but differ in having upperparts paler and grayer blue. Femalesdiffer from C. r. simplex by having less white on the abdomen and also average somewhat more intensely reddish brown on chest; upperparts average slightly darker blue. Similar to C. r. philippinensis but separable by somewhat brighter dorsal coloration, especially the tail.

RANGE: Marinduque.

SPECIMENS EXAMINED: simplex—Luzon 5  $\delta$ , 6  $\circ$ . marinduquensis—Marinduque 5  $\delta$ , 5  $\circ$ . philippinensis—Ticao 6  $\delta$ , 3  $\circ$ ; Cebu 3  $\delta$ , 2  $\circ$ ; Bohol 2  $\delta$ , 1  $\circ$ .

ETYMOLOGY: This new subspecies is named for the island that it inhabits.

# Muscicapa griseisticta (Swinhoe, 1861)

DMNH-1 9, Sta. Cruz

Not previously recorded from Marinduque but winters throughout the Philippines from eastern Asia.

#### Hypothymis azurea azurea (Boddaert, 1783)

Collected by Steere Expd. DMNH–1 9, 1?, Boac; 3 3, 1 9, 1 in alcohol, Sta. Cruz

# Terpsiphone cinnamomea unirufa Salomonsen, 1937

Collected by Steere Expd. DMNH-1  $\Diamond$ , 1  $\wp$ , Boac; 4  $\Diamond$ , 1  $\wp$ , Sta. Cruz

# Motacilla cinerea [robusta (Brehm, 1857)]

Collected by Steere Expd.

# Anthus novaeseelandiae lugubris (Walden, 1875)

DMNH-1 9, Sta. Cruz

Not previously recorded from Marinduque but winters throughout Philippines.

# FAMILY ARTAMIDAE WOOD-SWALLOWS

Artamus leucorhynchus leucorhynchus (Linné, 1771)

Collected by Steere Expd. DMNH-1 (3, 2) (2), Boac

# FAMILY LANIIDAE SHRIKES

#### Lanius schach nasutus Scopoli, 1786

DMNH-2  $\delta$  , 1  $\varphi$  , Sta. Cruz

Not previously recorded from Marinduque but found throughout the Philippines, except the Sulu Archipelago.

### FAMILY STURNIDAE STARLINGS

#### Aplonis panayensis panayensis (Scopoli, 1783)

Collected by Marche Expd.—2  $\delta$ , 1  $\varphi$ ; April Collected by Steere Expd. DMNH—2  $\delta$ , 1  $\varphi$ , Boac; 3  $\delta$ , 1  $\varphi$ , Sta. Cruz

#### Sarcops calvus calvus (Linné, 1766)

Collected by Steere Expd. DMNH-1 & , 2  $\wp$  , Boac

# FAMILY NECTARINIIDAE SUNBIRDS

# Anthreptes malacensis chlorigaster Sharpe, 1877

DMNH-1 &,  $3 \Leftrightarrow$ , Sta. Cruz

Not previously recorded from Marinduque but agree with topotypical material from Negros.

### Nectarinia sperata marinduquensis duPont, 1971

Collected by Marche Expd. $-2 \gtrsim 1 \circ$ ; April, May Collected by Steere Expd. DMNH $-1 \circ$ , Boac;  $3 \gtrsim 5$ , Sta. Cruz

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# Nectarinia jugularis jugularis (Linné, 1766)

Collected by Marche Expd. $-1 \quad \text{(3)}$ ; April Collected by Steere Expd. DMNH $-3 \quad \text{(3)}$ , 1  $\circ$ , Sta. Cruz

#### Aethopyga shelleyi flavipectus Ogilvie-Grant, 1894

DMNH−1 ♀, Sta. Cruz

Not previously recorded from Marinduque but agrees with topotypical material from Luzon.

# FAMILY DICAEIDAE FLOWERPECKERS

#### **Dicaeum australe australe (Hermann, 1783)**

Collected by Steere Expd. DMNH $-2 \updownarrow$ , 2  $\wp$ , Boac; 1  $\wp$ , Sta. Cruz

## Dicaeum trigonostigma xanthopygium Tweeddale, 1877

Collected by Steere Expd. DMNH-4 ♀, Boac-

#### Dicaeum pygmaeum pygmaeum (Kittlitz, 1833)

Collected by Steere Expd. DMNH-1 & , 2  $\circ$ , Boac

#### FAMILY ZOSTEROPIDAE WHITE-EYES

#### Zosterops montana gilli duPont, 1971

DMNH-1  $\delta$ , Boac; 5  $\delta$ , 4  $\varphi$ , 2 in alcohol, Sta. Cruz

# FAMILY PLOCEIDAE WEAVERBIRDS

# Lonchura malacca jagori (Martens, 1866)

DMNH–2 º , Sta. Cruz

Not previously recorded from Marinduque but agree with topotypical material from Luzon.

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