

SOME CROWS FROM S. E. INDO-CHINA.

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We have received from Mr. W. J. F. Williamson a series of eleven crows from Bangkok, with a request that they may be determined subspecifically.

The races which must be considered in connection with them are *macrorhynchus* Wagler, from Java; *andamanensis* Beavan, from the Andaman Islands, and *hainanus* Stresemann, from Hainan.

As to *Corvus coronoides hainanus*, Dr. Malcolm Smith has sent us five examples collected in Hainan in February last, which show that this race is quite distinct from the Bangkok crow; it has a much larger wing and bill, and the base of the plumage is dark smoky grey, not white or greyish white.

One of us¹ has recently discussed the crow of the Malay Peninsula, south of the Isthmus of Kra, and the conclusion arrived at was that it is *C. c. macrorhynchus*, not *C. c. andamanensis* (topotypes of the former were available, but we have none of the latter).

Mr. Williamson's series seems to show that the Bangkok crow is intermediate between *macrorhynchus* and *andamanensis*: it has the shorter wing of the latter but the longer bill of the other. No allocation to race can be made from the shape of the bill; about half the series have the profile of the culmen straight prominently; about half have the culmen arched owing to the fact that it is depressed at the base; the differences do not correspond with length of bill or wing. The Bangkok bird, therefore, is typical of neither form and should be expressed as:—

CORVUS CORONOIDES MACRORHYNCHUS > ANDAMANENSIS.

Measurements of ten adults, in millimetres.

	♂.	♂.	♂.	♂.	♀.	♂.	♂.	♂.	♀.	♂.	
Wing	345	320	315	315	311	307	301	300	298	287	(average 310).
Length of bill	63	66	61	62	62	65	62	64	60	58	„ 62.3).
Height of bill	25	24	22.5	23	22	23.5	23.5	22.5	22.5	21	„ 23.0).

¹ Kloss, Journ. Fed. Malay States Mus. x, 1921, pp. 223-7. This paper should be read in connection with the present notes.

CORVUS CORONOIDES HAINANUS.

Stresemann, Verh. Ornith. Gesellsch. Bayern, xii, 1916, p. 286,
Hainan.

The specimens sent by Dr. Malcolm Smith differ from Central Siamese, Peninsular and Javanese birds in longer wings, larger bills and in having the bases of the contour feathers smoky grey, while the gloss on the back and wings is steely blue rather than decidedly purplish.

Measurements of five adults, in millimetres.

	♂.	♂.	♀.	♀.	♀.	
Wing	351	342	338	337	325	(average 338.2).
Length of bill ..	72	67	60	60	61	,, 64.0).
Height of bill ..	26	26	24	23	23	,, 24.4).

A bill of 72 mm. is evidently unusual, as the longest of fourteen given by Stresemann is 66 mm.