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## & R P S D U D W L Y H K H P D W R O R J \ R I D S S D U H Q W O \ K H D O W K \ I U H H O and Passeriformes in Zaria Kaduna State, Nigeria

Samson James Enam

he research established baseline hematological parameters of ve species comprising 20 each of Ploceu Weaver), Apus ca er (White-Rumped Swi ), Quelea quelea (Red-Billed Quelea), Euodice cantans (African Si and Euplectes frascisca (Northern Red Bishop) of apparently healthy free-living wild birds in Zaria, Niger obtained highest mean hematocrit (46.25±1.43%), hemoglobin concentration (15.87±0.58 g/dl) and E. cant mean erythrocyte count (5.24±0.32x1012/l), while P. luteolus recorded lowest mean hematocrit (34.45±1.7 concentration (12.15±0.59 g/dl) and erythrocyte count (3.71±0.15x1012/l), respectively. Apus ca er again h corpuscular volume while the mean corpuscular hemoglobin concentration was highest for P. luteolus (35.4 mean leukocyte count was highest for A. ca er, 2.62±0.31x109/l, and lowest for E. cantans, 0.63±0.08x109/ had highest mean values for heterophils (2.62±0.31x109/l) and lymphocytes (2.01±0.23x109/l). Euodice lowest mean counts for heterophils (0.04±0.02x109/l) and lymphocytes (0.54±0.08x109/l). Heterophil/lym important indicator for prolonged stress was highest for E. cantans (1.95±1.90) and lowest for E. frascisca conclusion, there were signi cant interspecies di erences (p<0.05) for these hematological parameters and th other factors be associated with di erences in disease response and increased energy demand as exempli (Apodiformes) which had highest mean values for almost all the parameters; owing to the fact that A. ca er more rapidly and spends much time in the air than the Passeriformes studied, hence the physiological inc adequate gaseous exchange.

yaxj5@yahoo.com