

SHORT COMMUNICATION

A NOTE ON THE BIRD (AVES) AND BUTTERFLY SPECIES (LEPIDOPTERA) OF PULAU TULAI, PULAU SRIBUAT-SEMBILANG AND PULAU PEMANGGIL, MALAYSIA

A preliminary survey of butterflies and birds was carried out on Pulau Tulai, Pulau Sribuat-Sembilang and Pulau Pemanggil from 24 to 27 June 1997. Pulau Pemanggil has been previously surveyed for butterflies (Stubbs G.C. 1961, *Malayan Nat. J.*, Spec. Iss.: 240-243) and P. Tulai for birds (Medway L. 1966, *Bull. Nat. Mus. Sing.* 34: 39-52). P. Sribuat and P. Sembilang (30km² in total) are uninhabited islands roughly SW of and about 25.7 km from P. Tioman, off Mersing. They were surveyed as one unit (referred to as P. Sribuat-Sembilang here) because they are essentially two parts of a single island, joined by a narrow rocky sand bridge at low tides. Surveys were carried out between 24 and 27 June 97 for two days each on P. Pemanggil and P. Sribuat-Sembilang and for one day on P. Tulai by trained surveyors. Each survey lasted from about 0900h to 1500h. The butterflies were caught with standard insect collecting nets. Birds and butterflies were identified using various guides (Lekagul B. & Round P.D. 1991, *A guide to birds of Thailand*; Strange M. & Jayarajasingam A. 1993, *Birds-A photographic guide to the birds of Peninsular Malaysia and Singapore*; and Corbet A. & Pendlebury H.M. 1992, *The Butterflies of the Malay Peninsula*). The butterfly specimens are deposited in the Zoological Reference Collection at the National University of Singapore.

Seven, 12 and 24 butterfly species were found on P. Tulai, P. Sribuat-Sembilang and P. Pemanggil, respectively. The possible 20 new records for P. Pemanggil are *Pachliopta aristolochiae asteris* (Rothschild), *Papilio polytes romulus* Cramer, *Leptosia nina malayana* Fruhstorfer, *Appias paulina distantii* (Moore), *Eurema hecabe contubernalis* (Moore), *E. lacteola* (Distant), *E. sari sodalis* (Moore), *Ideopsis juvenita* (Cramer), *Euploea crameri* Lucas, *Elymnias hypermnestra* (Linnaeus), *Taenaris horsfieldii* (Swainson), *Cupha erymanthis lotis* (Sulzer), *Phalantia phalantha phalantha* (Drury), *P. alcippe* (Stoll), *Cirrochroa tyche rotundata* Butler, *Vindula dejone* (Erichson), *Neopithecops zalmora zalmora* (Butler), *Zizula hylax* (Fabricius), *Lampides Hübner* sp. and *Hypolycaena erylus* (Godart). Corbet & Pendlebury (1992) listed only 14 butterfly species for P. Pemanggil. This study reflects the paucity of data collected on this lesser known island. *Papilio polytes romulus* Cramer, *P. memnon agenor* Linnaeus, *Appias libythea olferna* Swinhoe, *Ideopsis juvenita* (Cramer), *Cupha erymanthis* (Drury), *Cirrochroa tyche rotundata* Butler and *Cyrestis themire* Honrath were collected on P. Tulai, and *Graphium sarpedon luctatius* (Fruhstorfer), *Delias hyparete metarete* Butler, *Eurema hecabe contubernalis* (Moore), *E. blanda snelleni* (Moore), *E. sari* (Horsefield), *Ideopsis juvenita* (Cramer), *Idea leuconoe chersonesia* (Fruhstorfer), *Elymnias hypermnestra* (Linnaeus), *Orsotriaena medus cinerea* (Butler), *Chilades pandava pandava* (Horsefield), *Arhopala Boisduval* sp. and *Potanthus omaha omaha* (W.H. Edwards) were collected on P. Sribuat-Sembilang.

Nine, 26 and 11 birds species were recorded on P. Tulai, P. Sribuat-Sembilang, and P. Pemanggil, respectively. *Todirhamphus chloris*, *Treron vernans*, *Ducula bicolor*, *Sterna sumatrana*, *Haliastur indus*, *Haliaeetus leucogaster*, *Egretta sacra*, *Aplonis panayensis*, *Hirundo tahitica* were recorded on P. Tulai, *Eurystomus orientalis*, *Todirhamphus chloris*, *Collocalia maxima*, *C. fuciphaga*, *Streptopelia chinensis*, *Treron vernans*, *Ducula bicolor*, *Amaurornis phoenicurus*, *Sterna sumatrana*, *Haliaeetus leucogaster*, *Egretta sacra*, *Corvus macrorhynchos*, *Oriolus chinensis*, *Rhipidura javanica*, *Dicrurus paradiseus*, *Cyornis rubeculoides*, *Copsychus saularis*, *Gracula religiosa*, *Pycnonotus plumosus*, *P. brunneus*, *Macronous gularis*, *Dicaeum cruentatum*, *Anthreptes malacensis*, *Nectarinia sperata*, *N. calcostetha*, *N. jugularis* on P. Sribuat-Sembilang and *Columbia livia*, *Treron vernans*, *Sterna sumatrana*, *Haliastur indus*, *Haliaeetus leucogaster*, *Corvus macrorhynchos*, *Aplonis panayensis*, *Acridotheres tritis*, *Gracula religiosa*, *Hirundo tahitica*, *Nectarinia jugularis* on P. Pemanggil during this study. All these species, with the exception of *Cyornis rubeculoides*, have also been recorded on P. Tioman, the largest neighbouring island (Medway L. 1966, *Bull. Nat. Mus. Sing.* 34: 39-52; Sodhi N. et al. unpublished manuscript), as well as on the Peninsular Malaysia (Gregory-Smith 1996).

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