Wallace, Alfred Russel. 1854-1861. [WCP5799.M6674: Field Notebook 1]. [Original in Linnean Society of London: LINSOC- MS179. See <u>http://linnean-online.org/54021/#/0</u>].

Transcribed by the A. R. Wallace Correspondence Project (<u>https://wallaceletters.myspecies.info/</u>), (2024).

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[[1]] [cover]

[[2]] [inside cover]

[Printed sheet pasted in, titled "ALMANACK"]

[[3]]

[Printed sheet (second page of sheet on previous page) pasted in, titled "FOR 1853."]

[[4]] [Numbered "1" in the top left corner of the page, possibly in ARW's hand. Every

third subsequent page is given an appropriate sequential number e.g. 3, 6 etc]

Aborigines of Alabama & Mississippi made <u>great house</u> like <u>churches</u> holding a hundred or more people.

Irvings Conquest of Florida

Had Buffalo robes, bears grease

Maize in abundance, sweet potatoes.

<u>Used</u> bows & arrows.

Inhabitants of <u>Florida</u> built their villages upon artificial mounds with steep sides & one entrance – Do Do *[ditto ditto]* 

They found bushels of pearls – axes made of copper & gold.

Arrows 3 feathered, flint, bone or wooden pointed -

Mr Favre <sup>air & mercury</sup> Barometer stands 38 centimeters at Malacca — Sunday July 1854.

0123

[[5]]

Geoffroy St. Hilaire, believes mutability of species. – Whewell, <sup>Hist. Ind. Sc</sup>. p. 630. vol. 3

Reports of Brit. Ass. 1843-? at Sing Library.

Strickland on Affinities of Insessores.

Calcutta Journal of natural History

nos. 17. 19 & 20 contains descriptions of Palms of British India.

Pins Entomological. no. 13. 11. 7			
6 <sup>d</sup> 6 <sup>d</sup> 2/9			
4 <sup>5</sup> links = 39.6 inches			
1 metre = 39.37079 inches			
1 millimetre = 0.0393 in = 1/25.4 in.			
Singapore, Malacca, Java, Sumatra & the	} Dry – May to October		
Moluccas & W. of Borneo & Sarawak	} Wet – Nov. to April		
N.W. Coast of Borneo <sup>near Labuan</sup> , Siam &	Dry – Nov. to April.		
the Philippines - & Moluccas	Wet – May to October		
Information from Mr. Nicoll			
[[6]]			
Jukes, <u>Australia</u> .			
granite chains & ancient fossiliferous rocks.	– none of the age of our Oolite & chalk –		
but recent tertiary beds on the S. & west co	asts		
Suppose Australia to have been elevated du	uring oolitic period – fossils agree with		
present fauna & flora. –			
Fossil <u>trigoniae</u> , zamias, cycas, & <u>marsupia</u>	<u>ls</u> in the oolite.		
All now abundant in Australia –			
Since partially submerged & elevated in recent tertiary period. –			
Different ranges of hills then formed Islands –			
Thus <u>species</u> of the different colonies differ, <u>genera</u> the same –			
? species of insects – in W. Aust. S. Aust. V	. D. Land & Sydney –		
[[7]]			
Animalcules in Stomachs of Herbivorous Ar	imals – M. <u>M. Gruby &amp; Delafond</u>		
Ruminating Animals – have 4 species in the	Ruminating Animals – have 4 species in the first & 2nd stomachs. – The quantity is		
equal 1/5 of whole weight of alimentary matter - In the 3rd & 4th stomach they are dead			
equal 1/5 of whole weight of alimentary mat	ter – In the 3rd & 4th stomach they are dead		

The horse has seven species.

The dog — 2 species

The pig ——1 species.

The animalcules are born live & survive in the acid liquid of the stomach– In the carnivorous animals much less abundant than in the herbivorous – which though they eat only vegetable food have their animal matter to digest. –

Comptes Rendus de Academie Dec. 11. 1843.

[[8]]

Minute Parasitic worms are found in the blood of living frogs (adult)

Annals of Nat. Hist. vol. 18.

Edentata allied by internal structure to birds & reptiles – but more nearly to reptiles. –

Reptile Birds also allied to reptiles

? Mammalia and birds have both branched out of reptiles not one from the other.

In 15th. Century much trade between West Coast of Ireland & Spain -

? Spanish plants then introduced with ballast? -

Milk brandy in Siberia called <u>Arakou</u>

[[9]]

Verhandelingen, Nat. Gesch. &c.

In Java. 85 Mammalia. 6 are Quadrumana.

Fossil Human Bones. acad. Scien. Phil. Oct. 6. 1846.

D<sup>r</sup>. Dickenson exhibited bones of <u>Megalonix Jeffersoni</u> from a stratum of blue clay below the alluvial drift of Natchez: it abounds with bones & teeth of <u>Mastodon giganteum</u> – In the same clay 2 feet below the above fossils of extinct animals were found a <u>human "os innominatum</u>" – Bone of a young man of 16 – corresponded in col. & density with those of the <u>Megalonix</u>. (Ann. Nat. Hist. vol. 19, p. 214.)

Horticultural Soc. 1854

*[Printed clipping:]* "to seed. — and a specimen of Aegilopean wheat, to which so much interest attached.— The produce of the seeds furnished by M. Fabre (who, it will be

remembered, followed up the experiment of sowing the miserable grass *Aegilops ovata* year after year till it became wheat), raised in the garden this year, is in no respect different from the common hard wheat of the south of France."

[[10]]

At Bukit Tima in Singapore.

Lowest Temperature June 65-73

[Lowest Temperature] mean about 70

Highest [Temperature] 85? 88.

Capt<sup>n</sup> R. C. Tytler collected at Barrackpore near Calcutta in 2 years-

127 land & 53 water Birds, in all 180 species

Ann. Nat. Hist. May 54.

? how many of the land birds are found in the countries on both sides the Ganges.

of natural history, vol. 13, 2d series, no. 77 (May), pp. 365-376.

[[11]]

Tongue of Phyllornis Arach..//

[[12]]

Moths at Singapore.

1. Large white & gray 4 tailed geometra.

2. Saturnia atlas ♂ & ♀

- 3. Large eyed dark noctua, at sugar Bukit Tima.
- 4. smaller eyed noctua, diag. yel. band. at tip. sugar.
- 5. Sphinx in house at light.
- 6. Noctua, bk, purple gloss, white abd. marg. yel. abd. Pulo ubim Malacca -
- 7. [Noctua] green & bk. upper yel. & bk under. House at light.
- 8. [Noctua] green & whitish upper yel & bk. und. Pulo ubim.
- 9 [Noctua] upper brown dotted with green, [yel & bk. und.] at light.

10 Castria –

- 11. Noctua very dark mottled size of (4).
- 12 Geometra. Jungle Pulo ubim ashy yellowish
- 13 [Geometra. Jungle Pulo ubim] smaller allied.

- 14 Agarista? flying in Sunshine. Malacca
- 15 [Agarista? flying in sunshine] Jungle Malacca
- 16 [Agarista]? day flies yellow & black
- 17 [Agarista]? like a Euploea bk. tipped with blue & wh. spotted
- 18 Geometra? ashy blue, white veined orange body. Pulo ubim
- 19 Agarista? yellow bluish & white.

[[13]]

- 20 Zyganidae? -
- 21 [Zyganidae]
- 22 [Zyganidae]
- 23- small bk. yel. band across uppers-
- 24. smaller ? sex
- 25 ?
- 26 ?
- 27 ?
- 28 ?
- 29 Geometra. white blk. spotted Pulo ubim.
- 30 [Geometra]? very delicate pale wings. Singapore.
- 31 [Geometra] bright brick red. Pulo ubim.

32 [Geometra]

- 33 [Geometra] pale delicately striped. Pulo ubim
- 34 [Geometra] It. brown yellow margined. Pulo ubim
- 35 [Geometra] green mottled
- 36 [Geometra] dk. green falcate wings
- 37. lt. brown & green. scollopped.
- 38 pink & white. Pulo ubim at light

[[14]]

- 39 Pulo ubim wings striped, yel. base-
- 40 Singapore corn. yel. & ash
- 41 [to] 52 Obscure noctuae
- 53 Bombycidae
- 54 [Bombycidae]

55 [Bombycidae]

56 [Bombycidae]

57 noctuidae. Pulo ubim. com. pale greenish satiny white

[[15]]

58 obscure species

59 [obscure species]

60 [obscure species]

61 [obscure species]

62 [obscure species]

63 [obscure species]

64 [obscure species]

65 [obscure species]

66 [obscure species]

67 [obscure species]

68 [obscure species]

69 [obscure species]

70 [obscure species]

71 [obscure species]

72 [obscure species]

73 [obscure species]

74 [obscure species]

75 [obscure species]

76 [obscure species]

[[16]]

77

78

79 Feather moth

80

81 — Singapore –

82 Deilephila

83 noctua f pale green

84 yellowish <rim?> (59)

85 [yellowish]

- 86 noctua. small brown
- 87 Agarista? Malacca-
- 88 [Agarista] [Malacca]
- 89 [Agarista] Malacca
- 90 noctua? green. [Malacca]
- 91 Geom [Malacca]
- 92 [Geom] [Malacca]
- 93 Noct. [Malacca]
- 94 [Noctua] [Malacca]
- 115 Noctua-
- sand. rufous ashy- dark cent. orange band.
- 116 noctua. largish bksh.
- [[17]]
- 95 noctua small, red brown transverse striga
- 96 Bombyx small pale yellow, brown spot at tip
- 97. Tinca? Black uppers & tip of lowers, orange red -
- 98. Phalera? pure white downy
- 99 dark uppers, orange marked lowers
- 100 Phalera small obscure
- 101 Sesia?
- 102. [Sesia]
- 103. [Sesia]
- 104 Tinca?
- 105. pure white
- 106 small long legs & antennae
- 107 —— do —— ocellus on uppers
- 108 pearl white black spots & marks-
- 109 near (99) -
- 110 Bombyx- downy buff -
- 111 Macroglossis at flowers of Papaw
- 112 [Macroglossis] at do -----.

113. Agarista? like a Euploea

114. large white satiny waved

[[18]]

Teeth of Mammalia by - Prof. Owen.

Typical series occurs in the Hog.

[sketch]

M. P. C. I. C. II 321 4321 321 II = 44

Incisors. are determined by springing from the premaxillary bone in the upper jaw

<u>Canines</u> - spring from the maxillary bone close to the suture.

Premolarsies. are determined by the first set being shed.

Molars- by appearing in succession permanently.

When any of the above typical number of teeth are wanting, they are from the first in the series of <u>premolars</u> & from the last of the Molars (P.4 & M.1 being most constant) & from the last also of the <del>canines</del> incisors -

The Teeth in man by Owen's formula are these.

I. 1.2/1.2 C. 1/1 P. 3.4/3.4 M.1.2.3/1.2.3.. 32

The deficient teeth being I 3/3 & P 1.2/1.2

[[19]]

Felidae I 3.3/3.3 C 1.1/1.1 P 3.3/2.2 M 1.1/1.1 = 30

Ursus - I 3.3/2.2 C 1.1/1.1 P 4.4/4.4 M 2.2/3.3 = 42

[[20]]

From, Pictet's Paleontology

Laws of geological development.

- 1. Species, limited Geolog. duration.
- 2. Contemporaneous spec<sup>s</sup>. generally appear<sup>d</sup>. or disap<sup>d</sup> together
- 3- Older, fauna, gt<sup>r</sup>. difference from recent
- 4. Recent faunas more diversified than anc<sup>t</sup>.
- 5. Most perfect Animals recent.
- 6. Order of appearance, like order of development.
- 7. From birth to death of species genus or family, no interruption.
- 8. Faunas shew temp. has varied? -

9. Ancient species more widely distributed

- 10. Fossil animals same plan as living.
- 1. Undisputed. 2? generally. unimportant.
- 3. True, with specific exceptions
- 4. Doubtful, but does not affect devel<sup>t</sup>. theory
- 5. True where a whole series can be traced often apparently false
- 6. Important. 7. very important, undisputed.
- 9. ?Because more sea & therefore more equal temp.
- 10. Undisputed. Important.

#### [[21]]

{Bucco capensis. Lin.	Type of genus <u>Bucco</u> &
{B. collaris. Lath.	family <u>Bucconidae</u> .
{Capito collaris. Temm.	Puff birds. America
Capito cayanensis. Viellot	Type of genus <u>Capito</u> &
[Vieillot]	Family Capitonidae.
	Barbets, mostly Eastern

Sclater's monograph. Ann. Nat. Hist. May of 54

Singapore April 4th. 1856 (13)

Semnopithecus

Greyish black above, greyish beneath a line from throat to anus & inside of thighs whitish, also armpits & inside of *[illeg.]* whitish, tail, black greyish beneath; face black mouth & eyes whitish - scarcely any crest.

Length body 20 in. tail 25 in

Callosities black anus pinkish white

Sciurus. April 1856 (14)

above mixed rufous & black, beneath white yellow tinged, feet dusky - on back are 3 black stripes, from neck to rump widening on back & obscurely continued along tail – hairs of which divergent beneath –

[[22]]

[The heading of this page continues to the facing page]

Birds collected at Singapore, M[alacca &c. by Alfred Wallace]

Burung hujan "Rain bird."eats fruit & insects, beetles, ants, sometimes1. Cymbirhynchus macrorhynchus Gm.nothing else.

Bill clear <sup>sky</sup> blue above, below orange yellow with a narrow blue margin, feet bluish lead colour. iris emerald green, black powdered. varies to Blue.

2. Surniculus lugubris. Bon.?	– Cuckoo. Eyes dark, bill bk. feet dusky- nostrils
<u>Chawi</u> . Mal. Mal.	round swollen.
	gape yellowish. 2 small white feathers on nape.
3. Meiglyptes tristis.	ి <u>Malacca</u> . Eyes reddish brown. bill black, feet
Glatto torch.[?]	dusky greenish- <u>eats ants</u> .
4. Lophocitta ardesiaca?	Eyes dk olive, bill bk. ft dusky lead col. long
Si gering.[?]	chest.
5. Oriolus xanthonotus. Horsf.	bill reddish Eyes red. feet dusky ♂ & ♀ differ
Perling ryot. <del>Shrike,</del>	much.
6. Harpactes rutilus? Bas[?]	Cassunda <u>Kechil</u> , Malay for Trogon.
7. Nyctiornis amicta. Swains.	iris orange, bill bk. at base horn colour. feet
Burung kachua	greenish olive.
	Stomach wall large bk. " <u>xylocopa</u> "-
8. Psilopus Hayi Gr.	Eyes dull red <sup>sh</sup> . brown, bill bk. legs bright
<u>Tocong busi</u> . Blacksmith	salmon colour. $\bigcirc$ bill reddish.
9. Irena puella, Horsf.	Bill & ft. bk. iris blood red. nostrils concealed by
<u>Quayang</u> .	frontal feathers & covered with bristles. oval
	oblique in a cavity. feet broad, fissirostral.
	skin & feathers very soft & delicate almost like
	Trogon. eats <u>fruit</u> .
10. Venilia mentalis. (Bun.)	redd <sup>sh</sup> . brown iris. (Woodpecker)
Glatta kapala kuning.	os hyoides scarcely produced over head.
11. Orthotomus cineraceus?	very small, narrow tail, eyes reddish yellow, bill
Sitangup.	& feet reddish dusky. insects.
12 Megalaima versicolor. Gray.	$\stackrel{\scriptstyle ?}{\scriptstyle \circ}$ bill dark lead, feet lead col.
<del>M. mystacophanos</del> .	♀ <del>bill do ft. greenish</del> .

Tocong kapala mera	Eyes dark red brown. Eats fruit.
13 Brachypus melanocephalus, Gm.	Bill & feet bk. eyes dark blue. yellow, head blue
Mirba kuning.	bl. bk. $\circlearrowleft$ & $\bigcirc$ eat fruit.
[[23]]	

[The heading of this page continues from the previous page]

[Birds collected at Singapore, M]alacca &c. by Alfred Wallace.

[sketch of bird's head]	sides of mandibles & skin of gape deep cobalt blue.
<b>6</b> ♀	edges ridge & tip of mandibles bk. or horn colour.
	Skin above eyes pale blue. <u>iris dk. brown</u> .
	feet dusky lead colour.
	mid. claw dilated within.
[sketch of bird's head]	culmen black as far as a line from the nostrils, rest of bill
35 ♀ a a	blue shading with the black.
	Bebare skin of gape & round the eye a. a. a delicate violet
	blue, close round.
	In eyelids rather flesh col <sup>r</sup> .
	feet very pale, blueish lead col.
	iris deep reddish purple.

1. [sketch of bird's head and dorsal view]

1st quill very short 5 & 6th longish equal.

4 – Length 11 in. dark ash colour, wings & tail brownish, head black, erect crest of two feathers 4 in long – on each side of the neck a large patch of pure white forming a demicollar

a white spot above & below hinder part of eye.

[sketch of bird's head]	[sketch of talons] 2 outer		[sketch of tail feather]
bill. much compressed.	toes =		tail rounded <u>Lophocitta</u> .
	Hind toe lon	gest	tip of tail <u>feathers</u>
[[24]]			
[sketch of bird's head]		legs shortish, mi	d. toe longest -
14. small greyish shrike'	? (7 in)	Bill dusky bk. lov	ver in. pale feet pale lead. Eye
		olive.	

ashy wings & tail brownish, belly nearly white, tail coverts white.

a black stripe under eye & over ears.

15. Zanclostomus tristis} (Cuckoo).	Bill green, feet lead. orbits deep red downy- <u>scarlet</u>
[Zanclostomus] sumatranus}	?♀ <u>orbits deep yellow, ab<sup>d</sup>. rufous.</u>
16. Phoenicophoeus erythrognathus.	Tem. <u>Kado busar</u> .
17. <u>Kado kuchil</u> mal.	Cuckoo, bill greenish orbits blue green.
	tail brown, <u>black &amp; ashy tipped</u>
18.	් do - bill yel <sup>sh</sup> orbits greenish
	tail obscurely barred.
19. Macronus ptilosus Jard. &	small, eyes dark <sup>red</sup> , bill & feet bk.
Selby. Burung tana -	long white stemmed feather – back.
hops about near the ground in thicket	s, eats insects, <u>coleoptera</u> .
orbits blue anteriorly-curving creaking	note & several varied cries.—
20. Eurylaimus ochromalus, Raffl.	Iris pale yellow, orbits bk. bill blue 2/3 of margins
Tumptara <u>kuchil</u> .	from tip bk. upper mandible beyond the nostrils
	pea green, feet pale flesh col <sup>r</sup> . perches, eats fruit &
	beetles & ants - does not capture on wing.
21. Crypsirina leucoptera. Bon.	black crow like tail graduated –
<u>Kado gajah</u> .	
22. Calyptomena viridis. Raffl.	eats fruit
Burung patchat.	
23. Mirba tando Brachypus vidua <u> </u>	small bk. cream col. spot on wings. bill & ft. bk.
24. Arachnothera chrysogenis,	feet pale brownish olive. bill bk. dilated margin of
Temm. – Klichap munchang	upper mand. yellow.
panjang.	
25. lora typhia. Lin.	Bill & ft. lead col <sup>r</sup> . plumage very dense & downy.
Pintan.	<u>vellow</u> . fruit & insects.
26. Prionochilus percussa. Tem.	very small, spot on crown & on breast.
tongue short horny divided at end – o	range red bill & ft. bk. <sup>sh</sup> . lead col <sup>d</sup> .
27. <u>Mirba</u>	Dull olive brown bill, dusky. 7 in.
[[25]]	

[sketch of bird's head]	feet scansor short even n above brown white, throat	compressed, no gape bristles- rial, inner toe small united to mid. to 2nd joint- tail nid & outer reversed toe = hind shortish. n, feathers greenish edged, beneath silky yel <sup>sh</sup> . t brownish, yellow-edged. L. 6 in.	
[sketch of bird's head]	Ŭ	, crossed part red, hinder edge of nostril bk.	
		scarlet papillate skin. iris orange red-	
20. $\bigcirc$ [sketch of bird's he	ead] blue gree	en black blue	
orthotomus.			
11. L. 4 in. olive beneath	11. L. 4 in. olive beneath whitish, crown red brown, throat blackish. <del>feet</del> <sup>legs</sup> long		
slender hind toe & claw r	much largest,	claws of lat. toes very small.	
[sketch of bird's head]			
13 - L 6 in. olive yel. wings & a band near end of tail black.			
belly under tail coverts & tip of tail pure yellow			
head & neck steely blue black. legs short.			
hind & mid. toes = 2 lat. toes = weak bristles at gape. wings short 3, 4, & 5 quills near			
= <i>[sketch]</i> tail broad roun	nded –		
19. 4 1/2 in. <sup>dk</sup> olive brow	n, crown rufo	ous, tail blackish.	
throat bk. feather of back with dilated white midribs & very loose hairy plumes: tail			
broad rounded, feathers soft & pointed & decomposed at tip- wings short round 5 o			
12th quills = <i>[sketch]</i>			
feet large, hind claw large.			
lower mand. weak, gape	wide. 3-4 str	ong bristles.	
[[26]]			
28 Venilia puniceus. Bor	۱.	ft. greenish, bill bk.	
<u>Glatti gading</u> ivory <i>[gadir</i>	ng is ivory in	lower mand. & bas <sup>al[?] of suture of</sup> upper yellow. iris	
Malay]		deep red. orbits bare blueish.	
29. Halcyon pulchella. G	r.	feet yellowish bill red orbits red.	
Sikingking. bare[?]			
30. <u>Punai gading</u> . Pigeor	n, above gree	en, beneath creamy.	
	· · ·	tail coverts coffee brown	
- · ·			

wings blue, flanks dusky, crown & throat blood red, chin bk.

breast with a rose col<sup>d</sup>. patch.

•		
31. Picnonotus ochrocephalus Gm.	Thrush. bill & feet bk.	
<u>Baru baru.</u>	fine loud note. dense plumage.	
	very wary. feeds near the ground.	
32. Poonai <i>[</i> crago <i>]</i> kainara.	Pigeon - feet vermilion bill olive at base whitish	
	at tip. <del>iris yellow</del> . iris buff with an outer rim white.	
33. ♀ of (23).	Dusky, soft downy plumage bill & feet dusky,	
Brachippus [Brachipus] vidua.	Eyes dark.	
34. Lerax caerulescens. vig.	Eyes dark bill & feet black, lower mand. lead col.	
<u>Sikap bilalang</u> .	fruit in stomach. insects & reptiles.	
35 Harpactes temmincki. Sw. <u>cassum</u>	ba <u>[?] busar</u> .	
36. Halcyon capensis L.	Bill & feet bright red.	
Sikingking busar.	tip of bill blackish - Eyes dark purp eats fish.	
37. Toucoocoo.	Turtle dove, iris pale golden buff	
	bill bk. feet purplish red – feeds on fruit trees –	
38. Phyllornis sonnerati. Blyth.		
<u>Burung daun.</u>		
39. Hemilophus mackloti. <del>Wagl</del> . Gr.	Bill whitish, bk. at tip. feet lead col.	
<u>Glato kabu.</u>	<u>Ash</u> col <sup>d</sup> . woodpecker	
[[27]]		
23. L. 5 in. black. 1 <sup>d</sup> . & 2 <sup>d</sup> . wing covers cream col <sup>d</sup> . & tip <sup>d</sup> . with bk. tail mod. rounded,		
feathers round <sup>d</sup> .		
1st. quill very short, 4 & 5th. longest.		
legs short, hind & mid. toe =. bill compressed		
gape wide with a few bristles. [sketch of bird's head and bill]		
25. L. 4 in. yellow green above, bright	yel. below.	
tail bk. wing black, yel. green edged, o	covers wh. tipped.	
Legs moderate, hind toe longest.		
bill moderate no bristles.		
${\mathbb Q}$ tail olive. iris white. Sarawak [sketch of bird's head and bill]		

26- L. 3 in. dull steely blue above, yellow beneath a crimson spot on crown & another on breast.

bill strong short no bristles. [sketch of bird's head and bill] too large

legs rather long - tail short

wings rather long to mid. of tail, 1st. quill very short.

4. & 5. longest. mid. & hind toes =.

27. L. 6 in. olive brown above, yel<sup>sh</sup> olive beneath.

tail long even, feathers narrow. wings short 4th & 5th quills longest – legs shortish mid. toes longest - bill long weak.

*[sketch of bird's head and bill]* long & strong bristles, from upper & lower <sup>gape</sup> expand<sup>ble</sup>.

[sketch] Bill beneath very pale.

31. L. 9 in. Dusky olive- wings & tail olive yellow

head pale yel<sup>sh</sup> brown, hue across eyes & from gape below ears bk. chin very white tip of feathers of breast pale.

[[28]]	
<u>carpenter bird</u>	
Burung tocong	
40. Caprimulgus	Bill & ft. dusky - flies much & rapidly - stomach full of
	winged wh. ants
41. Meiglyptes rufinotus. <u>Malh</u> .	? new woodpecker, bill bk., feet dusky.
<u>Glati merah</u> . Blythi.	Brown, black banded throughout.
	eyes dark olive, eats white ants.
42.	Dusky shine, <u>bill bk</u> , feet dusky
	iris dull red. <u>wings olive green</u> . throat pale, tail
	shorter & feathers broader than (27).
43.	L 5 in 1/4 - flycatcher.
	small shrike – Eyes olive purplish feeds on <u>insects</u> .
	beneath & rump whitish, above dark.
	bill & feet dusky. tail even, feathers narrow. [sketch]
44. <u>Diceum</u> .	small warbler, up. mand. bk.

<u>Titi lip</u> .	lower & feet dusky lead. eyes bright red.
45 orthotomus.	small long legged. iris pale olive. feeds on insects.
46. Klichup.	bill & feet bk. (nectarinia?) white -
47.	Diceum - Eyes dark. <del>red. ♀</del> —
48.	<del>Shrike</del> <sup>short-billed thrush</sup> – white beneath bill bk. ft. pale
49.	Flycatcher, bill & feet bk.
50. Cypselus subfurcatus,	Swift, bill & feet bk., strong feet & claws, grasps like
Blyth. Layang layang	a Hawk!.
W0.033	

[[29]]

[sketches of a talon and head of Meiglyptes rufinotus] <u>42<sup>1</sup>.[?]</u>

33. Dusky olive <sup>ashy</sup> above, feather pale edged. –

below pale olive, wings & tail darker -

[sketch] a few strong bristles at gape.

legs short. tail moderate rounded.

feather slightly acuminate - wings short.

1st quill very short 4 & 5 longest.

Cymbirhynchus macrorhynchus.

1. nest suspended from a branch covered with palm fibre, dead leaves, roots & small orchideae, which hang down & make the whole appear a mass of dead & decayed matter., – opening at the side with a slightly projecting roof or front house, formed of fine grass intertwined with which also the nest is lined.

above olive brown, head ashy. - 6 in.

[[30]]	
<u>Pipit pinang</u> –	Finch. eyes red <sup>sh</sup> brown, lower mand. & feet lead
51. munia punctulata.	colour.
52. Lamprotornis cantor Gm.	Glossy bill & ft. bk. eyes <u>red</u> .
Perling	
53 Anthreptes <u>lepida</u> .}	(Nectarinia) Bill bk. ft olive, iris red.
54. do.}	Nectarinia? young. Bill bk <sup>sh</sup> . feet olive. Eyes dk.
55. Saxicola?	Black & white, bill & feet black, iris olive, eats
Lalage orientalis?	insects. 6 1/2 in tail white tipped, & quills

	56.	Thrush. bill bk. ft. dusky. iris red <sup>sh</sup> .	
		eats fruit. — ? same as (42)	
	57. same as 68.	feet very pale, bill dusky.	
		Eyes olive brown, food fruit & insects.	
	58.	small white beneath rufous olive above, strong	
		bristles from above gape, up <sup>r</sup> mand black <sup>sh</sup> , lower &	
		feet lead col <sup>d</sup> , eyes olive brown.	
	59 Hemilophus javensis. Horsf.	iris pale yellow.	
	Glatto busar kapala mera.		
	60. Trichophorus <u>gularis</u> .	Shrike, <sup>thrush</sup> bill lead col <sup>r</sup> . feet very pale buff, strong	
	Horsf.	bristles from gape above, iris olive brown.	
		yellow belly.	
	61. Megalaima chrysopogon.	bill bk.	
	Tem.	feet greenish. eats <u>fruit only</u> . –	
	<del>Glatto</del> Tocor kapala kuning		
	[[31]]		
	51. nest of grass & lycopodiums - the mouth narrowed of loose grass not so delicately		
	constructed as that of 72 – Eggs white, elongate (2). nest <u>always</u> placed on an <u>Areca</u>		
palm between the spathe & the stem. common near Malacca.			
[55] forehead & eyebrows white — beneath entirely white, outer tail feathers broadly wh.			
tipped —			
[58] tail rufous, head blackish —			
	[60] Sarawak.		
	[[32]]		
	Layang layang utan		
	62. Macropteryx comatus. Temm - in jungle. Malacca, Aug. 1854.		
	63. Muscipeta?	$\bigcirc$ . Bill bk. pale at tip & at base below, feet lead col.	
	<u>Rajah anjas</u> .	eyes brown.	
		${\mathbb d}^{\!\wedge}$ bill lead blue orbits dilated, blue, iris dark purple	
	64 Tiga rafflesii. Vig.	iris red <sup>sh</sup> . brown, lower mand. pale lead, up <sup>r</sup> . bk.	
		feet greenish	

65. Burung tana	Eyes pale brown, bill dusky lower mand. & tip pale-
	legs very pale.
	bill hooked, a few short bristles legs long & strong -
66. Dicaeum <sup>Cinnyris phoenicotis, Juv.</sup>	very small bill dusky yel <sup>sh</sup> .
	feet yellow olive. iris olive – insects
67. <sup>Alcippe</sup> pharei. Blyth.	iris red, bill bk. feet lead col <sup>r</sup> a small crest.
68. <sup>&amp; 57</sup> Timalia?	bill dusky lead. feet pale.
	legs long <u>&amp; strong</u> .
69.	bill dark, feet pale, iris <u>milk white</u> . eats fruit. 6 3/4.
70	lower mand & feet pale iris brown red.
	eats insects- spotted head, near ground in jungle.

[[33]]

[68] rufous olive, pale rufous beneath, throat & breast pale -

[69] small bill - ashy with a very slight olive tint pale yel<sup>sh</sup>. ash beneath- quite distinct.

[70] front & crown rufous, black spotted nape bk.

above olive brown beneath whitish

throat very faintly striated.

[[34]]

71. Ceyx.	bill & feet red. eats insects grasshoppers &c.
<u>sikingking rimban</u> .	
72. Munia.	Finch. lower mand. & feet dark lead col <sup>r</sup> .
Pipit tuli	
73. Eurylaimus	feet pale bill blue ben <sup>th</sup> .
sumatranus.	above blue at base bk. in mid & green at tip. – margins
<u>Tumpharia rimban</u>	bk. yel. <i>[illeg.]</i> eat insects & fruit.
74. Perling.	Parroquet. iris yel. up <sup>r</sup> . mand. of male red, lower pale legs
	dusky olive.
75. Cuculus? [illeg.]	bill yel <sup>sh</sup> . at base bk. at tip, feet & orbits yellow, iris purp.
76. Meiglyptes brunneus.	lower mand. pale. feet olive green.
Eyton.	

77. 124. Picnonotus	bill dusky feet yellowish pale.
flavescens. ? Blyth.	iris ashy. small.
78.	iris red <sup>sh</sup> . brown bill dusky
	feet pale yel <sup>sh</sup> . eats fruit & insects.
79	bill dusky, lower mand pale
	feet dusky, iris dusky white.
	exactly like (69) but in the longer & stronger bill. (eats
	insects) & like 27 except the shorter & broader tail
	feathers & & the want of the

### [[35]]

72 nest built in a fork, often of Bamboo formed of grass, leaves, lycopodium &c. bottle shaped in another nest & formed of an exceedingly fine hair like grass disposed spirally, inside lined with the same. eggs white -4 - 5 or 6. goes bird goes in small flocks, about bushes & keeps near the ground -[78] short strong bill [sketch] olive tail & wings rufous olive beneath dusky yellow throat pale ashy - 7 3/4 in. [79] rufous tinge on the wings & tail. [[36]] 80 bill & feet dusky, iris olive brown, eats fruit. 8 1/3 in. 81. Ixidia cyaniventris. Blyth. bill bk. feet dark lead. iris purplish olive, eats fruit. delicate bird, thin skin & skull. –  $3 \otimes 2$  alike. Mirba litsang. 82. Myiagra manadensis bill blue lead tip bk. iris dark purple, legs dark lead. (Quoy & Gai.) *filleg.]* Burung mila. 83. Cinnyris phoenicotis. Bill bk. feet yellow<sup>sh</sup>. olive. iris red eats fruit & insects (ants &c). tongue horny at tip flat bifid. 84 Caprimulgus. flies high, cry 'tit-a-bon" its malay name. 85 Phyllornis. Eyes dark, eats fruit.  $\bigcirc$  green with pale blue gape stripe.

86 Harpactes.	eats hard insects iris dark brown, bill & orbits cobalt
35	blue. tip & margins of mand. bk.
87.	feet dusky, bill bk, lower mand.
	dusky at base. walks on the ground -
	a very soft low musical note often repeated -
88.	iris olive brown, feeds on insects.
	bill yel. in adult male- dusky above at base, hops
	about low bushes
	a loud musical note. 6 in.

[[37]]

80 – Olive above, dusky white beneath, throat & breast striated by margins of feathers being dusky tail long even dark above, ashy beneath. *[sketch]* bill long.

[81] hops about low trees -

[88] rufous ash, beneath cream col. wings & tail rufous, bill depressed at sides with elevated keel & rigid long bristles at gape –

[[38]]

LL JJ		
89.	iris pale ashy, bill & feet dusky lead, on low trees, feeds	
very near (48) & 99.	on fruit & insects- a loud musical note a rapidly repeated	
	high note.	
90.	iris dark, bill bk <sup>sh</sup> . feet olive on trees, eats insects <sup>&amp; fruits</sup> a	
	chirping or creaking note -	
91. Passer montana?	about houses eats rice.	
Pipit gunting.		
92. <u>Kekek</u> .	Hornbill, white bill, red brown	
	iris <u>feet bk. ♂</u>	
tongue short flat very thin horny at end -		
92a	do. black bill, feet blackish iris purplish olive – $\bigcirc$	
young ♂.	small white bill, iris olive.	
	lower orbits pale olive yel.	
93. Bubo orientalis. Horsf.	Bill bk.	
Lang kuching.		

94. Halcyon gularis? Kuhl.

iris dark bill dusky feet olive yellow, liquid in stomach & a	
spider. – tongue long rolled in & <i>[sketch]</i> divided at end.	
iris olive, bill black, pale at base below, legs pale. – near	
the ground, eats insects $-43/4$ .	

[[39]]

[89] 5 1/3 in –

[96] Brachypteryx nigrocapitatus (Eyton). at Singapore Ap./46.

walks on the ground & hops on low dead trees & logs &c. very stealthily – has a low chirping note which sounds as if at a great distance. -3 - 4 go together.

[[40]]

97 Timalia nigricollis. Temm.	iris dark red bill & feet black, lower mand. lead col.	
<u>Burung tana</u> .	at base, hops near the ground after beetles &c.	
98.	iris blood red, bill & feet dusky lead. insects -	
	about high trees - <u>7 in.</u>	
99.	iris pale ash. bill & feet dusky olive, up <sup>r</sup> mand. nearly	
	black, fruit & grub in stomach.	
100.	Flycatcher, lead col <sup>r</sup> . Eyes carmine red, bill & feet	
	black.	
101. Cacomantis fasciolatus.	iris red brown. eats insects grasshoppers -	
Mull. (Cuckoo) <u>Teop api</u>		
102. Dicaeum.	iris olive, bill orange buff black at tip feet dusky lead	
	tongue [sketch] twice bifid -	
103. Diceum cruentatum. Lin.	bill & feet bk., iris olive	
Titi lip.		
104.	Shrike, bill pale, bk <sup>sh</sup> . at tip & on culmen feet pale	
Seanus.[?]	lead. hops about near the ground – low trees.	
105. Hirundo javanica. Sparrm.		
Layang layang.		
[[41]]		
[98] bill strong compressed, hooked. crown rufous, nape black, tail rufous at base,		
beneath white <u>throat &amp; breast faintly striated</u> –		

[99] rufous olive, crown ashy, beneath dusky, belly wh.

bill small compressed. near 89 & 70.

5 in.

-	
[[42]]	
106.	iris red, <u>bill black</u> , feet dusky olive. eats fruit.
107. <u>Cudidi</u> .	Wagtail, bill & feet dusky eats insects –
108. P. borneensis Cab.	trees – jungle
	bill pale, dusky at base, feet lead, nostrils with a valve.
109. Halcyon concreta.	iris bill dark yellow culmen broadly black legs & claws
Temm. Sikingking rimban	gamboge yellow.
110. Edolius	? eyes dark brown, bill & feet bk. eats insects.
<u>Chawi.</u>	
111.	( <u>Humbug</u> ) very near 106 & 27 –
	iris <u>orange red</u> , bill blackish.
	feet reddish olive. dusky olive (7 in)
	feather of back paler margined.
<u>112-137</u>	<u>Pigeon</u> , iris <u>narrow</u> <u>orange</u> , orbits base pea green, bill
<u>Punai crochef[?]</u>	pale yel. green, red at base including nostrils, feet purple
	red –
<u>113</u> Arachnothera.	iris dark olive.
<u>130</u>	bill bk. feet lead col. spiders in stomach. <u>os hyoides</u>
	prolonged almost as in Humerus.
	tongue large extensible inrolled, ending in a fine bifid
	point.

[[43]]

106. remarkably like (69) & (79) but distinct by form & colour of bill & col. of eyes. bill most like <u>69</u> wings <u>much olive</u> margined.

[[44]]

114.	iris red, ft. dark, bill dark lead
	nest of dead leaves loosely woven together
	Eggs two white oval pointed –

### has the os hyoides of

<u>Glatto kuchil</u>	
116. Brachiurus granatina. Tem.	Mt. Ophir. Bill & ft. bk. eyes dark. insects.
117. Malacopteron <u>cinereum</u> . Eyton.	Thrush, iris red, bill bk. ft. dusky. 7 1/2 in.
	fruit. Mt Ophir. 2000 feet elevation
118.	Owl. bill & feet nearly white.
	eyes reddish brown - Mt Ophir
119. Hemicircus concretus. Reinw <sup>t</sup> .	bill bk. ft dusky - Mt Ophir
120.	Flycatcher bill bk. feet dark. Mt Ophir
121.	Thrush. (brown bk & wh) bill bk. feet pale.
	insects - Mt Ophir
122. Enicurus	iris dark, purple, bill bk. feet pale –
	insects, <u>water beetles</u> . M. Ophir

## [[45]]

115.

[114] rufous, wings brighter, beneath dark ash, belly <u>pale</u>. in a bush & slightly lined with grass. 4 1/2 in

a woodpecker, tongue retractile & much <u>barbed</u>.

#### [[46]]

123.	iris olive, bill bk. feet pale. insects. Mt Ophir.		
124. <sup>77</sup> <u>same</u> .	iris olive. insects, bill lead col. feet dusky pale.		
125	flycatcher. iris olive, bill & ft. pale lead col.		
126.	iris olive, bill & feet pale.		
127. Phyllornis icterocephala. Tem. insects & fruit bill bk. feet lead col.			
128.	bill & feet bk. insects		
129	iris brown, bill & feet dusky -		
130. Arachnothera	a. bill & feet bk., lower mand pale.		
131. Arachnothera	a. bill bk <sup>sh</sup> . above, below & feet dusky iris dark, juice & spider at		
	Palm blossoms & incision.		

## [[47]]

[123] rufous above with white striae, head black with white stripes, front & cheeks pale rufous beneath whitish, scollopped with black in the breast - bill compressed -

[125] dusky olive above, beneath dusky rufous belly pale, wings & tail rufous.

[126] olive yellow, throat breast & belly dusky white. 4 in.

bill compressed, feet moderate strong - tail mod. narrow.

[129] olive brown, beneath dusky yellow. feet weak. tail moderate, narrow. [sketch] 6 1/2 in. Ixodinoe?

[130] Arachnothera. – combines structure of Hummers & Creepers – bill & tongue of hummer long & strong legs of a percher & slate wings of a creeper.

[131] Its food is like hummers minute insects obtained from flowers, leaves, or flowing sap. Its long bill is in the way of it attempts to feed while clamping by its feet. It therefore hovers in the air like a hummer

[[48]]

132. Harpactes diardi. Boie. orbits violet flesh col.

133. H. flagrans? Mull? bill as in H. rutilus

134. Shrike -

135. iris pale brown. bill & feet pale yellowish.

136. Megalaima mystacophanos. Tem. Bill bk. feet greenish

137. <sup>112</sup> Vinago aromatica. Cuv. iris very narrow, orange.

138. Hemicircus? n.s. – Picus sp.? iris olive brown, bill & feet dusky.

- 139 Alcedo biru. Horsf. Bill bk, red at base feet vermillion. iris dark. Mt Ophir.
- 140. Psittacula galgulus. Kuhl.

141. Megalaima trimaculata. Gr.

[[49]]

[132] bill as in Temmincki.

though not endowed with wings adapted to such purpose - It does clumsily & with difficulty what the hummer does with ease & elegance. We must therefore conclude either that the Arachnothera has habits for which its organization is not specially adapted, or that the <sup>peculiar</sup> organization of the hummer has not special reference to its habits, each simply obtain their food in the best way they can, & this way is the same, in both though the structure can scarcely be more widely different.

[[50]]

142 - Acanthylis giganteus. Tem. Singapore, flying. after rain at Bukit Timah.

143. Gracula Javanensis. Osbeck. Singapore & Malacca

144 Hemilophus validus. Reinw<sup>t</sup>. Singapore

145. Ixos analis. Horsf., Malacca. com. (egg).

Singapore very common, near Town & about houses in the country.

146. Pericrocotus flammeus. <sup>igneus?</sup> Blyth. eyes bill & ft bk. Sing.

147. Pericrocotus miniatus. Tem. Sing.

148. Vinago fulvicollis? [illeg.]? Korthalsi? Wag. Capellei? Singapore

above bluish olive, beneath yelsh. ash, wings slate blue covers yel. margined, under tail coverts pale coffee, breast rich or ange ochre, bill pale greenish feet yel.

149. Hydrocissa intermedia. Blyth. wants the white line over eye- tail all white except two mid. feathers. -

Eyelids bk. face & chin white skin, Eyes red brown round eyes in front skin bluish - legs & feet dusky lead col.

150. Hawk, iris bright yellow

bill bk. cere dusky, legs yellow. Mt. Ophir.

[[51]]

151. Owl. Iris dark brown, bill & feet yellow. Singapore.

152. Dicrourus? entirely french gray Cheeks & ears white.

153. Miltava? M. velata- Malacca

strong billed flycatcher, ashy blue, forehead & throat bk. belly paler, breast deep coffee brown.

154. Melanochlora flavocristata. Lafr. Chenu 4.103.

155. Graucalus sp. — Malacca. bought. ashy, beneath banded with whitish.

156. Pitta elegans. Tem. Malacca. (b<sup>t</sup>.)

157. Eupetes macrocerus. Tem. Mal.

- 158. Tiga tridactyla. <del>Tem</del>. <sup>Gr.</sup> (bought) Mal. ♂ & ♀.
- 159. Cryptonix coronata. Tem.  $\stackrel{\frown}{\circ} \& \bigcirc (b^t.)$

160. Coturnix small <u>Malacca Quail</u>. throat bk. head white spotted.

161. Hemilophus mulleri. Bon<sup>t</sup>. ?distinct sp.

upwards of 40 are Java sp.

Scolopax stenura. Malacca

[[52]]

Birds collected at Singapore & Malacca

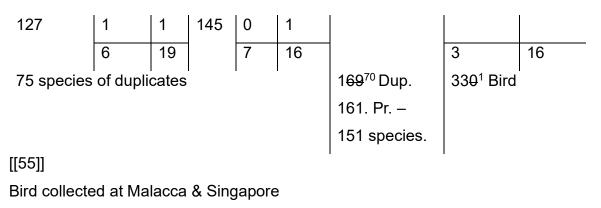
Ticket no.	Dupl.	Private	No.	Dupl.	Pr.	No.	Dupl.	Pr.
1	2	1	19	4	1	38	4	1
2	3	1	20	2	1	39	1	1
3	3	1	21	2	1	40	0	1
4	2	1	22	13	1	41	3	2
5	5	2	23. 33	2	1	42	0	1
6	0	1	24	1	1	43	1	1
7	4	1	25	2	1	4 <del>3</del> 4	0	1
8	3	1	26	3	1	45	0	1
9	7	1	27	1	1	46	0	1
10	1	1	28	2	1	47. 103	2	1
11	2	1	29	0	1	48	0	1
12	10	1	30	0	1	49	1	1
13	2	1	31	0	1	50	3	1
14	0	1	32	1	1	51	1	1
15	3	1	34	2	1	52	0	1
16	3	1	<del>35.</del> <sup>86.</sup>	—	—	53	2	1
17	0	1	36	2	1	54	<b>3</b> 4	1
18	1	1	37	1	1	55	0	1
	51	19		38	17		22	19
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# [[53]]

June to September 1854.

Dup.	Pr.	no.	Dup.	Pr.	No.	Dupl.	Pr.
0	1	74	4	1	92	4	2
θ	4	75	0	1	93	0	1
<del>2</del> 3	1	76	1	1	94	0	1
0	2	77. 124	1	1	95	<b>1</b> <sup>2</sup>	1
2	1	78	1	1	96	2	1
0	1	79	<b>θ</b> <sup>1</sup>	1	97	0	1
0	1	80	1	1	98	1	1
1	1	81	2	1	99	0	1
	0 <del>0</del> <del>2</del> <sup>3</sup> 0 2 0 0	0 1 θ <del>1</del> 2 <sup>3</sup> 1 0 2 2 1 0 1 0 1	0174 $\theta$ 475 $2^3$ 1760277.124217801790180	01744 $\theta$ 4750 $2^3$ 17610277.1241217810179 $\theta^1$ 01801	017441 $\theta$ 47501 $2^3$ 176110277.124112178110179 $\theta^1$ 1018011	$0$ 1744192 $\theta$ 4750193 $2^3$ 1761194 $0$ 277.124119521781196 $0$ 179 $\theta^1$ 197 $0$ 1801198	$0$ 17441924 $\theta$ 47501930 $2^3$ 17611940 $0$ 277.1241195 $4^2$ 2178119620199 $\theta^1$ 1970018011981

64	0		1		82	2	1		1	100	1		1	
65	-				8		0		1	101	0		1	
66	0		1		84		2		1	102	0		1	
67	0		1		8		0		2	103. 47.				
68 <sup>&amp; 57</sup>	2		1			6. 35	1		2	104	2		1	
69	0		1		8		0		1	105	1		1	
70	0		1		8		3		<b>3</b> ¹	106	<b>0</b> <sup>1</sup>		1	
71	0		1		8	9	<b>0</b> <sup>1</sup>		1	107	0		1	
72	1		1		9	0	1		1	108	0		1	
73	0		1		9	1	0		1	109	0		1	
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[[54]]				ļ						I	I		l	
No.		Du	pl.	Pr	:	no.	Du	Pi	r.	no.		D	up <sup>ı</sup> .	Pr.
							p <sup>ı</sup> .							
110		2		<b>1</b> <sup>2</sup>		128	0	1		146		0		1
111		0		1		129	0	1		147		0		1
112. <sup>137</sup>		0		1		<del>130</del>				148		0		1
113. <sup>130</sup>		0		1		131	1	1		149		0		1
114		0		1		132	0	1		150		0		1
115		2		1		133	0	1		151		0		1
116		0		1		134	0	1		152		0		1
117		0		1		135				153		0		1
118		0		1		136	3	1		154		0		1
119		0		2		<del>137</del>				155		0		1
120		1		1		138	0	1		156		0		1
121		0		1		139	0	1		157		1		1
122		0		1		140	0	1		158		0		2
123		0		1		141	0	2		159		2		0
124		—				142	0	1		160		0		1
125		0		1		143	2	1		161		0		1
126		0		1		144	1	1		162				
	I	•		•	I									



<u>Picidoe</u> <del>14 sp</del> . 13	<u>Desiderata</u>
Meiglyptes tristis. (3)	<u>Malayan Birds.</u>
M. brunneus. (76)	2 sharp tailed pigeons
Tiga tridactyla. (158)	<u>Treron oxyura</u> . Reinw.
T. rafflesii (64)	✓ <u>. Korthalsi</u> Bp.
Venilia puniceus (28)	<u>Butreron capellei</u> . Tem.
V. mentalis (10)	<u>Treron curvirostra</u> . Gm.
Hemicercus concretus (119)	[Treron] <u>olax</u> . Tem.
Hemilophus mackloti (39)	<u>Psittaci</u> – all
<del>Н. mulleri. Вр. (161)</del> —? <u>no</u>	Corvus sp.
H. Javensis (59)	<u>Hornbills</u> rare
H. validus (144)	Bee eater
? Meiglyptes rufinotus. Malh. (41)	Eurystomus
Sasia abnormis. (115)	Jungle fowl; Gallus
Hemicercus. n.s.? (138.)	Jungle fowl <u>green</u> of <u>Borneo &amp;</u>
	Lombock.

## [[56]]

40 species of Thrush like small birds.

27. 42. 56. 69. 78. 79. 106.111. are very closely allied obscure olive col<sup>d</sup>. species of <u>Ixodinoe.</u>

13. 19, 23, 58, 60, 65, 67, 68, 70. 77, 80, 81, 87. 88	
89, 90, 96, 97, 98, 99, 108, 114, 117, 121, 123, 126	
128. 129, 135, 145, 146, 147, all thrushes or Maluridae — (32) species –	

In all 151 species + 14 = 165 sp.

6 pigeons 9 Pigeons & Raptores

142 species of Passeres.

in two months collecting - 7 purchased leaving 135 actually collected.

Collection sent to Mr Stevens. Oct. 1854

170 Duplicate. in boxes & loose, in large tin box

161 Private collection - in boxes marked private

also the Owls & other birds <u>loose</u> in the small tin box wooden box & in the case with the insects & the unique Hornbill.

A pair of the others & all the other loose birds in the wooden box with them.

[[57]]

<u>Kingfishers</u>

Halcyon pulchella. Gr.

Сеух

Halcyon gularis. Kuhl

H— concreta Tem.

Alcedo biru. Horsf.

Halcyon capensis. L.

? Alcyone solitaria (Tem.) Mal. (bought)

Halcyon leucocephala - H. atricapillus -} Borneo

Ceyx — sp. — Borneo

Eggs. No. 51 — 2 No. 40 — 1 No. 114 — 2 [No.] 145 — 2 [No.] 73 — 7 <u>14</u>

[[58]]

Notes on Coleoptera, Malacca & Singapore.

Cicindelidae & Carabidae.

535. Sar.

✓ 41. Cicindela Aurulenta – common, purplish copper

	6 yellow spots. Roads &c. Singapore
42. C. myrrha Thomp.	very small bronzy bk. <i>[sketch]</i> dots white.
43. C. fuliginosa. Dej.	small bk <sup>sh</sup> . <i>[sketch]</i> marks cream white
51. C. acumimata. Dej.	small pale bronze [sketch] marks white, finely punctured
✓ 44. Megalonema elegans.	Dark velvety green blue changeable.
<u>167 Sar.</u>	[sketch] spots brighter green
45 Therates dimidiata Dej.	rare, legs pale yel <sup>sh</sup> .
good	elytra purple shoulders & apex yel. brown.
683. T. nitida Tat <sup>m</sup> .	larger, legs bk. thighs only pale inside.
	Elytra purple black, shoulders only yellow brown. M. Ophir
[sketch] T. Payeni?	purple black, legs all pale, mouth abd <sup>n</sup> . basal & central part
	of Elytra, pitchy testaceous, elytra tubercled at base rather
	coarsely punctured- small -
50 Colliuris.	Blue, small, thighs & hinder tarsi reddish –
584 [Colliuris].	[Blue, small] legs pale red, anterior edge of thighs dusky.
61 [Colliuris] arnoldi?	[Blue] larger, legs pale thighs bk. pale at base.
62. [Colliuris]	greenish black, larger, legs pitchy red, anterior tibiae &
	tarsi & post. tibiae black.
225 [Colliuris]	greenish bk. large, end of elytra & legs pitchy red, tibiae
	blueish.
[[59]]	
684. Colliuris tenuicollis, Tat.	large neck very long, transversely rugose dark greenish
(514 Sar).	bk. tip of elytra & <sup>all</sup> thighs pitchy, rest of legs bk. except
	half tibiae & tarsi of hind legs which are very pale.
<sup>good. best</sup> 46. Catascopus	<sup>Thorax green</sup> . <i>[sketch] [sketch] <u>brillian[?] coppery</u>. tip of</i>
(wai <i>[?]</i> ).	Elytra. legs bk. <u>588 Sar</u> .
47. C. nitidulus.	Thorax shorter [sketch] golden green punctate striate
✓ 687. C. facialis? (7. Sar)	larger [sketch] very brilliant. elytra near suture
	simply striate.
686. C.	very like but broader, more blueish, elytra punctured
	near suture

<sup>good.</sup> 63 Pericallus n.s.	[sketch] small dark green, 4 round red spots.
✓ 48. P. <u>cicindeloides</u> ? n.s.	smaller, silky green [sketch] striated spots yellow.
<u>169 Sar</u> ? <u>good</u> .	
✓ 49 Lebia sp.	small <i>[sketch]</i> dark green, marks yel.
685. Pericallus?	Small [sketch] [sketch] blue, striate, 4 spots yellow.
✓ 94 (Dromius, 4 spilata,	[sketch] Black rufous spots.
M.Leay. <u>79 Sar</u> .	[sketch] flat elytra striate.
✓ 122 Lebia. <u>696 Sar</u> .	spots as in last. [sketch] more common thorax broader.
567 Demetrias?	[sketch] [sketch] elytra steel blue, rest red.
495	smaller & entirely steel blue.
643.	[sketch] entirely bronze bk, legs pale. [sketch]
	pulictate striate, basal joints of ant. red.
644. Pericallus?	[sketch] bronzy green -
653.	[sketch] [sketch] pale brownish pubescent.
[60]]	
<u>best</u> . <u>430 Sar.</u>	brown, 12 yel. spots
✓ 226. Thyreoptera.	disposed in 4 triangles ∴
644 Sar.	
✓ 277. T. ater. Castelnau.	entirely blackish brown.
858 Sar – has the striae much deeper & the str	ne elytra more sloped off behind.
292 T. (var. Tatum.)?	jet black, smaller.
281	like (292) but thorax broader behind.
280 Pericallus?	[sketch] dull black [sketch]
689. Chlaenius?	dull coppery yel. margined ~
	[sketch] legs & antennae yellow.
<sup>✓</sup> 690. <del>Helobia</del> ? <sup>Orthogonius</sup>	[sketch] [sketch] pale rufous shiny.
<u>170 Sar</u> ?	
282.	same form little smaller pitchy bk & pubescent.
693	[sketch] same form pitchy brown
691-	smaller than 692 & all bk.
692-	[sketch] [sketch] narrow bk, brown patch at end of elytra.

<sup>✓</sup> 645	[sketch] [sketch] pitchy brown ?Geodephaga
662 [two sketches]	Physodera eschlotzii.
? near Lebia.	thorax much dilated laterally, elytra truncate, brilliant
<u>1177 Sar</u> .	copper & purple.
	[sketch]
	Hexagonia Kirby. Chenu, p. 79.

[[61]]

688. Pericallus? depressed small golden green.

✓ 689. Chilenius? Black, with 2 yel. spots near apex of elytra. Head & thorax green rugose legs & antennae pale.

629. Tricondyla.

44 species.

732 Black [sketch] [sketch] smooth striate

759. mormolyae phyllodes. under boleti.

45 species

orthogonius sp. Singapore Ap. 1856.

*[sketch]* pitchy testaceous, head & ant<sup>ae</sup>. black, thorax tibiae & tarsi pitchy black, thorax dilated smooth

elytra very smooth shiny striate, striae finely punctured. - light at night, flies.

[sketch] Testaceous, head tibiae & tarsi & ant<sup>ae</sup> black as well as a middle stripe on

thorax & base of suture

Elytra punctate striate, striae pitchy in leaf in jungle -

48 15 Cicindelidae, 33 Carabidae.

<u>17</u> at <u>Sarawak.</u>

30

[[62]]

Longicorns.

28. Astathes terminata.	Black, 1/3 tip of elytra yel <sup>sh</sup> . brown, rest deep purple, antennae
Pasc. [sketch]	yel. basal joint bk. tip dusky. Sing.

Orthogonius sp.

218. A.	Black 1/2 elytra at tip reddish, rest deep violet, antennae yellow,			
	base pitchy, tip dusky. smaller. Sing.			
29 A. [sketch]	Black. head, thorax, elytra antennae & fore legs, testaceous. tips			
	of elytra & hind leg purplish bk. Sing.			
702 A. [sketch]	<u>Testaceous</u> , thorax darker, body beneath dark pitchy, abd <sup>n</sup> . yel <sup>sh</sup> .			
35 <u>Sar</u> .	1/2 elytra at base bright indigo blue. Malacca (3)			
703 A. [sketch]	Black, Elytra antennae & tarsi rufous, base and tip of elytra blue			
	bk. Mt. Ophir top. (1)			
371. A. [sketch]	Body and abdomen bk, head thorax legs antennae & elytra			
	testaceous. Sing. (1)			
300. Genus near Astathes . <sup>near callia.</sup> Antennae longer than body, gradually slender to end.				

300. Genus near <u>Astathes</u>.<sup>near callia.</sup> Antennae longer than body, gradually slender to end, thorax not tubercled tip of elytra with a minute spine, eyes <u>notched</u> not <u>divided</u>.

sp. [sketch]Black clothed with fine ashy down dense legs & tips of elytra<br/>testaceous. [sketch]

elytrate punctate on sides at base.

only one of above at Borneo. June 55.

Astathes.

sp. [illeg] 28. purpurea Pasc.

closely allied. Ap. 56.

Black, ant. & tarsi pale, breast red, elytra all purple black. wings yellowish-

basal jt. of ant. with a black line above.

[[63]]

good	N.G. Antennae shorter than body
<u>13</u> .	Eyes not divided, elytra spined <u>at tip – body broad &amp; thick.</u>
321 Sar	Brick red, 2 spots on head bk. 6 on elytra, violet blue,
[sketch] Entelopes glauca.	antennae & legs yel <sup>sh</sup> .

var. at Sar without the 2 spots on head.

14. <u>E. ionoptera</u>. Rufous, head bk. elytra deep blue tips of antennae dusky.

both at Sarawak 941 Sar & a variety with the head & thorax rufous.

Glenea (Colobothea?).

<u>33</u> . <sup>(good)</sup> Chalybea? <i>[sketch]</i> dark violet blue <i>[sketch]</i> spots white Sing.						
37 G.	Black, violet tinged [sketch] spots white Sing					
258. G.	rich violet blue [sketch] spots white Sing.					
259. G. [sketch]	purplish bk. [sketch] spots white Sing.					
698. G. [sketch]	Purple black, base of elytra brassy tip violet - hind legs					
	red <sup>sh</sup> . tips of thighs & base of tibiae bk. <del>Mt Ophir <sup>Malacca</sup></del>					
691. G.? var 37.	broader than 37. marks the same but larger –					
	basal marks <i>[sketch]</i> (691)					
	[basal marks] <i>[sketch]</i> (37)					

Astathes. Black, elytra purple black, antae. white all but 2 basal joints, wings black- small.

### [[64]]

262 Glenea lineaticollis. Dej. [sketch]

Black, white marked beneath, a broad central line on head & thorax yel. Elytra coffee brown, an obscure yel<sup>sh</sup>. lat. line; tip bk<sup>sh</sup>. with 2 white spots.

legs yellow, Antennae bk. white tipped. Sing.

73. G. strigata. *[sketch]* Black, central fine blue line on thorax & suture, lat. blue line on elytra & intermediate shorter one, tips & a spot near, blue. Beneath bluish white. <u>711 Sar</u> agrees but has the elytra brown & lines faint.

368. G. [sketch]	Black. lines [sketch] suture & tip ashy blue.	
	<u>legs</u> & <u>antennae pale,</u> basal jt. bk.	
330. G. [sketch]	Brown bk. <i>[sketch]</i> lines	
near G. versata, <u>Newman</u> .	suture & tip yel. white, legs yel <sup>sh</sup> . antennae <del>pale</del> bk. end white.	
331. G. [sketch]	Lines as in last but antennae bk.	
	2 penult. joints white – mid. line of elytra longer.	
358. G. [sketch]	slender, antennae long as in last	
	central stripe of elytra broad ashy reaching almost to the tip	
555 G. <sup>339 Sar.</sup>	Brown bk. [sketch] lines white beneath & legs clothed with a	
[sketch]	dense white covering.	
307. G [sketch]	Brown bk. [sketch] dots & lines wh. antennae bk. legs pitchy.	
[[65]]		

484 Sar pitchy, 9th jt. also white, legs pitchy base of thighs paler.

333. Glenea. sp.	[sketch] Black, 8 round spots & a lat. line from shoulder to mid.	
	of elytra white	
	3 first & 7 & 8 joints of antennae whitish.	
707. G. <i>[sketch]</i>	Black [sketch] spots white, antennae bk. legs pitchy. Malacca.	
55. G. [sketch]	thorax bk. elytra brown. <i>[sketch]</i> spots pale green, antennae	
	bk. legs yellow.	
75. G. [sketch]	elytra purplish brown. <i>[sketch]</i>	
	tip bk. spots white. antennae bk. legs yellow.	
264. G <sup><u>838 Sar</u> <u>near</u>.</sup>	[sketch] [sketch] Black & bright yellow legs & base of antennae	
	pale yellow.	
332 G. <sup><u>712 Sar</u>.</sup>	[sketch] Bk. & buff. Antennae bk. legs pale yel.	
[sketch]		
77. G. <sup>340 Sar</sup>	like last, but thorax all bk. buff of elytra to middle, and spots a	
	little farther from tips.	

## 273. G. allied, but head & thorax black. rather more slender.

at <u>Sar</u>. not numbered & 1009 very near but <u>larger & broader.</u>

12. G. [sketch]	black, a broad stripe from forehead to tip of elytra, ochreish,
<u>585 Sar. [sketch]</u>	legs pitchy antennae bk. Sing.

539. Sar. very like, has legs yellow pale. [sketch] 539. Sar

## [[66]]

G. sp. [sketch] ochre, antae. bk, margins of elytra black, dilated near tip, legs all pale test.

260. Glenea sp.	<sup>[sketch]</sup> ochre. [sketch] antennae legs & sides of elytra bk. base of	
	hinder thigh red.	
76. G.	Brown yel. <i>[sketch]</i> buff marked <i>[sketch] [sketch]</i> ant <sup>ae</sup> . bk.	
299. G. [sketch]	Black, broad white band at base of thorax & another across centre	
	of elytra, antenna bk. legs pitchy.	
72. G. [sketch]	Black [sketch] marks white legs pitchy.	
39. G. [sketch]	dark brown [sketch] lines & suture yel. 3rd. joint of antennae with	
	white ring at end.	
659. G. [sketch]	yellow [sketch] spots &c bk. legs pale yel. antennae bk. Sing.	

706. G. [sketch]	violet blue, b	pasal half of thighs & all antennae yellow, beneath with
	white pubes	cence. near <u>Mt. Ophir</u> .
658. G.?	white bk. ma	arked [sketch] antennae & legs pale testaceous. Sing.
[sketch]		
366. G. [sketch]	ashy black n	narked <i>[sketch]</i> like a <u>clytus</u> . antennae beyond 3rd.
<u>852 Sar</u> . is near <u>this</u>	joint yel <sup>sh</sup> .	
26 species. 7 of th	ese at Saraw	rak June 55.
[[67]]		
<del>Cerosterna n.s.</del>		good new
Monohammus aspersus.		6. <del>Brown black</del> <sup>pitchy brown</sup> , ochre yel. markings &
[sketch] Common Singapore		spots. Monohammus aspersus.
		516. Black, spots rounder & closer has no yel. lines on the
		thorax, smaller spine to thorax & the joints of the
		antennae beyong <i>[sic]</i> the 4th whitish.
24. Lamia lusca. F	ab.? <sup>23 Sar</sup>	Bk. irrorated with yel <sup>sh</sup> . yel. lines & spots on thorax &
		2 jet black spots on <u>shoulders</u> . <i>[sketch]</i>
25. Lamia. <sup>24 Sar</sup> .		finely irrorated with ashy & whitish. [sketch]
607. Lamia. var? ı	rather slender	r, irrorated brownish <i>[sketch]</i> & dusky
370. Lamia <i>[sketc</i>	h] Black [skei	<i>tch]</i> a whitish spot & a bk. one on lower part of elytra.
610. Lamia 8 mac	ulata? <sup>202 Sar</sup> .	large & a var. or other species at Malacca.
518. Lamia. <sup>1190 Sa</sup>	<sup></sup> . reddish asł	ny <i>[sketch]</i> spots bk.
[[68]]		
576 ( <u>1040 Sar)</u> [sketo	h] more sleng	der, fine ashy, thorax red & black, & scutellum red,
surrounded with b	lack. antenna	ae long slender, tips of elytra spined, thoracic spine
moderate.		
[sketch] Blackish,	finely punctu	red & with the 6 spots white.
(261) Cereopsius	exoletus? Pa	SC.
more slender, dar	k, irrorated w	ith yellowish, the two largest spots yellow white, the
fainter spots & ma	arks yellow.	
(334) Cereopsius	marmoreus.	
(634) <i>[sketch]</i> dar	k mottled with	reddish & black, back flattish with striae elevated at

shoulders & crenated – 357 (337) Sar.

Mantocera plumosa.

All these Lamidae? All have a vertical head & a spine on the thorax.

<u>621</u> <sup>(near 29. Sar)</sup> *[sketch]* ashy with dark shades, short antennae like 634 in prev. but no spine on <u>thorax</u>.

713. *[sketch]* like 261 but entirely deep brown with an ashy pubescence. Malacca. <sup>?343</sup>

Large. Strong bodies, tuberculated elytra, long antennae.

65. *[sketch]* yellowish & dusky shaded, 4 spines on elytra at base, and an elevated ridge running obliquely from the shoulder to the suture near the apex.

272. <sup>(896? Sar.)</sup> *[sketch]* an obtuse tubercle on base of elytra, basal half <sup>& thorax</sup> nearly white apical, dark ashy.

660 *[sketch]* an acute tubercle at base of elytra reddish ashy, base of elytra much punctured, "black" shades about middle & apex. antennae very long.

[[69]]

64.<sup>?</sup> [sketch] an indistinct tubercle at base of elytra, base punctured. – ashy with dark shades.

6 terminal joints of antennae dilated serrate [sketch] Blemmya whitei. Pascoe.

74. Euryarthrum albocinctum. Blanch? <sup>766 Sar</sup> [sketch] Black, elytra very flat, oblique ridge from shoulder to apex white interrupted band across centre. white. this should go among Cerambycidae.

1018 Sar. E. bicunctum larger and two bands across elytra.

Broad shoulders, narrowed behind, short antennae.

[sketch] 69. Slaty minutely bk. marked. spots & base of antemial joints white

Agelast<del>es</del><sup>a</sup> sp.? irrorata Pasc.

[sketch] 635. covered with irregular bk., & pale ashy bands, base of ant. joints white.

441. [sketch] Black stripes Apomecyna frenata Pasc. [sketch] white

289. [sketch] Black bands [sketch] white, <sup>pale yel. in fresh specm</sup>. on leaf antennae applied backwards to sides of Elytra.

712 [sketch] Dusky, curved [sketch] lateral marks whitish.

519 [*sketch*] <sup>31 Sar</sup> form of (712) reddish brown with transverse whitish waved lines on elytra & much punctured. [*sketch*]

617 [sketch] closely allied var? thorax shorter.

<u>Elytra not so distinctly waved</u>. Both found <u>on branches among</u> dead leaves [[70]]

\* elytra Antennae longer than body

8. Plocia? near. *[sketch] [sketch]* yellowish ashy, 2 long. lines on head & thorax, elytra punctured and obscurely irrorated with 2 obscure bk. waved bands. Sing. common. 274. *[sketch]* rufous ashy *[sketch]* punctured. thorax immaculate, elytra with 3 more distinct bands. Sing.

27. <sup>348 Sar.</sup> [sketch] Ashy, base [sketch] of elytra, dark. apex, whitish with dark spot & waved marks. antennae rather long slender.

561. *[sketch]* Black hairy, elytra with fine wavy black & white marking on an ashy ground. head & basal joint of elytra <u>white</u> with long hair, antennae pilose.

\*\* antennae = body or shorter

558. (near 8.) *[sketch]* yellow ashy, with two black bands on elytra interrupted at suture. antennae short slightly pilose.

30. *[sketch]* Bk<sup>sh</sup>. punctured, a lateral whitish base from eyes to half way down elytra & a transverse band near the tip. antennae short very hairy.

560. *[sketch]* ashy with *[sketch]* darker markings antennae = body not pilose. [[71]]

559. <sup>Cacia newmanni? Pasc.</sup> *[sketch]* Blackish *[sketch]* lines on thorax & 1/2 circle on elytra white, latter bk. margined behind. Antennae short pilose – 4th joint with a small brush at end -

577. [sketch] obs<sup>c</sup>ure antennae longer than body, slender pilose.

623. [sketch] dusky- slender, elytra with whitish bands

antennae with the first 5 joints very thick & clothed with very long hair.

463. *[sketch]* Broader, dusky elytra with fine whitish lines leaving a mid. band & 2 subapical spots, black, antennae rather longer than the body, slender with a few hairs. 562 *[sketch]* cylindric pitchy punctured, ant. shorter than body, tip of elytra whitish, rather tuberculate.

[[72]]

\* antennae shorter than body.

705. [sketch] Pitchy, elytra [sketch] rufous.

2 spots yel. 2 penult. joints of antennae yellow. legs black. Eyes slightly marginate. <u>Malacca</u>

622. *[sketch]* rufous yel. *[sketch]* 2/3 end of elytra black with the sutural portion silky ashy - antennae & hind legs bl<sup>k</sup>.

704. <sup><u>798 Sar</u>? *[sketch]* yellow, elytra with a silky pubescence, much narrowed posteriorly, edge & tip of elytra dusky- antennae black. Malacca.</sup>

638. *[sketch]* yellowish, body & abd<sup>n</sup>. beneath & tip of elytra ashy yellow, margins of apical half of elytra & antennae black, 2 hind pair of legs black. Sing.

\*\* antennae = or longer than body

Isosceles sp.

608. *[sketch]* Head & thorax rufous, body abdomen & elytra black, sutural portion broadest at base, ashy. legs & antennae black.

40. [sketch] rufous yel. [sketch] tips of elytra dusky, antennae black.

627. *[sketch]* rufous yellow, a lat. line from the eyes to the tip of abd<sup>n</sup>. bk, antennae a spot on breast & mid. seg<sup>ts</sup>. of abd<sup>n</sup>. bk. tibiae & tarsi bk.

[[73]]

461. 332 Sar [sketch] rufous, ashy above, margins of elytra dusky, antennae tibiae & tarsi bk. and base of postr. thighs.

460. [sketch] Head thorax breast & base of elytra rufous, abdomen, rest of elytra,

antennae & 4 hind legs black, 2 basal seg. of abd<sup>n</sup>. silky white beneath.

[the following two sentences are a continuation from '704' on previous page] Small species allied to (261)

\* Antennae moderate.

711 *[sketch]* ashy elytra punctured & finely speckled with black, suture slightly elevated. antennae rather longer than body

650. *[sketch]* yel. ashy, 3 spots at base of elytra blackish- tip pale with a black line *[sketch]* 3 fine waved yel. lines on thorax. antennae shorter than the body.

546. *[sketch]* dusky yel<sup>sh</sup>. punctured, antennae longer than the body. small spine on thorax.

\*\* antennae long.

59. *[sketch]* Black, 3 yel<sup>sh</sup>. lines on each elytron, two outer meeting at apex, antennae 3 times length of body.

69<sup>9</sup>9 506 Sar? [sketch] Pitchy with numerous pale<sup>r</sup> markings on thorax & elytra. Antennae 3 times length of body very pale yel. legs pale.

[[74]]

Minute Longicorns allied to (300).

71. *[sketch]* [*sketch]* pale testaceous, last 5 joints of antennae bk., elytra sericeous very obscurely punctured.

364. *[sketch]* rather redder, thorax longer, more distinctly punctured, base of all tibiae dusky. tip of elytra & last joint seg. of abdomen black.

32. *[sketch]* reddish distinctly punctured, antennae & a narrow margin to thorax & elytra blackish hind tibiae dusky at base, all tarsi bk. antennae 11/2 length of body.

66. *[sketch]* Black, elytra punctured, basal half & thorax dull reddish, 2nd. joint of antennae large hairy, ant. 2ce length of body.

636. [sketch] Black, thorax & shoulders dull red. inside of ant<sup>r</sup>. thighs red, ant<sup>ae</sup>.

2 1/2 length body.

34 *[sketch]* Black, elytra dull red, antennae from 3 to 6 joint <del>of th</del> reddish, thorax dusky with a reddish cross - base of 2 ant<sup>r</sup>. pair of thighs red within. ant<sup>ae</sup>. 11/2 length of body...

[[75]]

56. Cylindriformis sp. [sketch] [sketch]

Black & white, antennae long slender black, legs bk. hind tarsi rufous.

443 C. . . . [sketch] Bk. & wh<sup>sh</sup>. [sketch]

? nearer clytus, antennae longer than body.

38. Gnoma <sup>subfasciata. Dej.</sup> <u>355 Singar</u> [sketch] Black, thorax transversely striated; elytra

punctured, irrorated with ochre most at the apex, antennae 2<sup>ce</sup>. as long as the body.

356 Sar. Gnoma plumigera. Mantocera n.s.?

 $\eth$  has 3 tufts on ant<sup>ae</sup>.  $\bigcirc$  only 2 –

[[76]]

Cerambycidae.

78. Hammaticherus <sup>spinicornis (Newman). 201 Sar.</sup> agrees with H. spinicornis Newman. *[sketch]* this has spine of 4th joint as Newman says, <del>but the 2nd. spine of antennae is shorter than 3rd – 4th.</del>

760 *[sketch]* <sup>same?</sup> ♀ smaller neck, shorter var?

26. [sketch] (78 in miniature) elytra more smooth.

633. <sup>200 Sar</sup> [sketch] Blackish brown, thorax deeply furrowed with waved cross striae, antennae longer than body 5- to 8th. joints distinctly spined a narrow ridge between the eyes.

36. <sup>944 Sar</sup> [sketch] Head & thorax long [sketch] thorax irregularly furrowed, elytra with a variable silky gloss in short stripes. [sketch]

3<sup>rd.</sup> joint of antennae very long from it to the end, clothed with a fine fringe of long hair 7. <sup>2205 Sar</sup> [sketch] Cylindric, elytra with a very fine adpressed ashy pubescence <u>uniform</u>, thorax deeply punctured leaving irregular eminences which are more or less clothed with yellowish hair – antennae shorter than body pitchy with neither spines nor hairs. [[77]]

517. <sup>991? Sar</sup> *[sketch]* Elytra with a yel<sup>sh</sup>. silky irreg<sup>lar</sup>. pubescence, thorax deeply & minutely wrinkled. antennae longer than body pitchy finely pubescent.

54. // <sup>good</sup> Rhytidodera n.s. *[sketch]* Black, about 14 ridges on the thorax. *[sketch]* Elytra with a yel<sup>sh</sup>. pubescence except a large patch on each side which is black & coarsely punctured. antennae not longer than body.

xoanodera trigona. Pasc.

n.g.

57. <sup>26 Sar</sup>. Eurycephalus maxillosus.

thorax with a small lat. spine & several tubercles above, <u>scutellum</u> tips of elytra legs & antennae black. <u>Malacca Singapore</u>.

E. longipes <sup>cardinalis white</sup> (Wallaci). has the hind legs much longer thorax deep blood red, elytra rich test. yellow with apex black. always larger than above.

[[78]]

263. <sup>330 Sar</sup> Callichroma sp. *[sketch]* silky green legs & antennae blue, 2 spots on thorax, (one close to neck) suture & margins of elytra, blue black..

217. <sup>329 Sar</sup> <sup>3 at Sarawak</sup> C. near Dorycus. Bois. *[sketch]* green legs blue, antennae blue bk. an oval spot on thorax 2 marginal & 2 sutural lines, the latter diverging on each side of the scutellum, purple black.

701. C. ...? a large spec<sup>n</sup>. of 217. but stained & greased.

699. C. *[sketch]* Elytra as in (217) legs & antennae pitchy rufous, collar of thorax in front & behind purple, green red coppery.

700. C.? Xystrocera n.s. [sketch] green legs & antennae blue, elytra finely rugose

transversely, immaculate.

[sketch] 360 Sar. Dull black. in rotten trees. Mallodon sp? new.

[[79]]

Clytus. \*antennae shorter than body.

367. C. (near <u>annulatus</u>. *[sketch] [sketch]* black, bands yellow, thighs with yel<sup>sh</sup>. down. <u>617. Sar</u>. yelsh. ashy

67. C. <sup>799 Sar.</sup> [sketch] Black, bands [sketch] ashy, thorax immaculate.

60. [sketch] small var.? markings same.

578. C. [sketch] Black, ashy [sketch] bands

308. C. [sketch] Black [sketch] narrow bands, ashy -

615 Sar bands yellow, thorax as in 267, same?

710. C. [sketch] Black, bands Malacca. [sketch] ashy white.

709. BM cat sp. <u>125</u> C. rubricollis. Bug? [sketch] Black [sketch] red ashy mark<sup>gs</sup>. thorax red.

Malacca, Mt. Ophir.

708. C.? [sketch] [sketch] Bk. band white.

[[80]]

? Clytus, antennae as long or longer than body, slenderer & legs longer.

109-<sup>10.</sup> C. *[sketch]* ashy mark<sup>gs</sup>. *[sketch]* black.

antennae rather shorter than body, 4th joint with a spine at the end.

651. ?1152 Sar. ?327 Sar [sketch] very slender. [sketch]

3rd & 4th joint of antennae spined.

652. [sketch] slender. [sketch] not spotted on thorax. 3rd. & 4th. joint of ant. spined.

365. and 327 Sar. 641 Sar. [sketch] 4 last joints [sketch] of antae. pale, 3rd. & 4th. spined.

68. <del>327 Sar.</del> [sketch] 4 last joints [sketch] of ant<sup>ae</sup>. pale, 3. & 4. spined, thorax not spotted.

442. <sup>Clytus Brahiminus. L & G</sup>. *[sketch] [sketch]* 3rd. 4 & 5 joint of ant<sup>ae</sup>. spined

35. [sketch] [sketch] antennae not spined or very minutely.

1127 Sar. [sketch] rufous red, head & apex of elytra black.

heteromerous.? Longicorn. ant<sup>ae</sup>. joints much dilated.

# [[81]]

639 Sar. Testaceous, thorax elytra tip and thighs blue.

Distenia. n.s. [sketch] [sketch]

11 <sup>// good. <u>1062 Sar</u> entirely blue or greenish, antennae red, base of all thighs & end of hind tibiae red<sup>sh</sup>.</sup>

271? 328 Sar. [sketch] [sketch] black.

thorax & mid. stripe on each elytron pitchy red, antennae short last joints somewhat dilated & a red ring near end.

Thighs much clubbed, elytra punctate.

Deuteronomia callidioides. Pasc.

482 [*sketch*] black [*sketch*] Elytra ashy pubescent thorax red. antennae rather longer than body.

733 Sar. Eyes quite divided.

764 Sar. allied same size, all testaceous. D. testacea Pasc.

58 Sclethrus. n.s<sup>. <u>334 Sar.</u> *[sketch]* Purple, thorax & hind part of abd. bk. spots & marks bluish white, legs red. <sup>tibiae & tarsi bk. but lower & ends of tibiae of hind legs pale -</sup></sup>

661. *[sketch] [sketch]* dark purple, legs red, antennae pitchy, spot white. flat, antennae larger than thorax, which is very long and slender.

<u>1075. Sar</u>. Distenia sp. much longer *[sketch]* dark blue, antennae base of thighs & tibiae test. yellow.

At Sing. 2 species? one have white tipped antennae. not sexes. as 2 with uniform antennae were taken "in copulo"

[[82]]

559 Sar. allied but has the legs all testaceous & the basal jt. of ant. redsh.

16. Heliomenus n.s. *[sketch] [sketch]* yellowish, tips of elytra, antennae club of thighs tibiae & tarsi bk. joints of antennae, somewhat dilated.

53. <sup>961 Sar.</sup> Glaphyra. sp. *[sketch] [sketch]* Black, thorax & sutural half of elytra rufous, base of thighs pale & antennae as in last, tips reddish. <sup>2 <u>last joints</u>.</sup>

17. Hesthesis sp. <sup>586 Sar.</sup> *[sketch] [sketch]* greenish bk., hairy, thorax & elytra coarsely punctured, base of hind thighs yel. & basal joint of ant. red.

369. 587 Sar? H.... [sketch] same form, minute bk. hairy ant. rather longer proportion...

9. Strangalia. n.s. <sup>1167 Sar</sup> [sketch] Blacks, 6 spots yel<sup>sh</sup>. thorax green bk. antennae serrated.

219.<sup>// 206 Sar</sup>. <u>n.g. Lepturidae</u>. *[sketch] [sketch]* Black, elytra red, tips black, thorax dusky red, elytra shorter than body. somewhat thick & dilated –

### [[83]]

About 53 Longicorns appear the same as at Sarawak.

90 distinct.

Prionidae.

583. Remphan Hopei. (Waterhouse.)

(1094 Sar) 3 1/3 in. <i>[sketch]</i>	Macrotoma sp. (1285 Sar) 3 1/3 in.
Thorax smooth flat. Thighs & tibiae all	[sketch]
shiny on both edges.	Thorax with deep irreg <sup>lar</sup> punctures in
Head thorax & legs bk.	excavation convex. Thighs & tibiae spiny on
Elytra testaceous - body & thighs pitchy	lower edge only. Testaceous pitchy, fore-part
beneath.	of head & basal joint of ant. only bk.

[[84]]

<u>Cetoniidae.</u>

714. Taeniodera sp.? [sketch] [sketch] clypeus [sketch]

Black, lines on thorax, margins of abd<sup>1</sup>. seg. & spot on tip of abd<sup>n</sup>. ashy, thorax, yel<sup>sh</sup>. with bk. spot

716. Black [*sketch*] on elytra yel<sup>sh</sup>. on thorax. [*sketch*] Elytra & thorax green, stripes dull red.

715. *[sketch]* Black tip of abd<sup>n</sup>. & side of thorax & abd<sup>n</sup>. beneath marked with white pubescence, above dull green, elytra with the minute wh. spots.

717. Parastasia bimaculata. [sketch] [sketch] Shiny rufous irrorated thorax with 2 round black spots.

718. P. . . Black tip of abd<sup>n</sup>. yellow, thorax rufous. -

[[85]]

Curculionidae – Anthribidae.

31. Cedus tuberculatus. Wat. [2 sketches]

[sketch] Black obscurely marked thorax with reddish marks

2 penultimate joints of antennae white.

102. C. leucostictum, Wat. smaller, black with numerous minute white dots.

520. 547. <del>386</del> seem to be the same genus.

101. Dorcadops marginatus. Wat. [sketch] [sketch] rufous ashy with minute bk. dots

elytra bk. margined & with 3 larger dots white spots on each margin.

100. Dorcadops? – same form & size has 3 white lines on thorax & elytra.

& 2 - 3 other sp. of the same genus.

390 ♂ Mecocerus gazella. Schon.

**277** ♀

103. Acoryna pictipes. Wat. [sketch]

legs black & red banded, dusky with numerous pale reddish brown spots. rostrum short.

[sketch]

389. A. bifasciatus. Wat. [sketch] [sketch]

dusky, black bands & spots

119. Litocerus apicalis. Wat. elytra brown [sketch] & ashy, varied tip yellowish.

386. L. flavomaculatus. Wat. bk <u>cedres</u> – dark ashy, yel. speckled.

402. L. crucicollis. Wat. very small, cross on elytra.

401. near Litocerus but eyes wider apart. -

[[86]]

23. Xenocerus germari. Wat. [sketch] [sketch crossed out] [sketch] flat.

ashy with brown markings, first 2 joints of antennae very long.

336. X. flagellatus. Schon. [sketch] ashy, markings white.. [sketch]

463. X. *[sketch]* ashy, clouded, basal joint of ant<sup>ae.</sup> large dilated at end.

107. Tryphelocercus <sup>n.g.</sup> pilicornis Wat. small, antennae with very long <u>hairs</u>, 3 last joints thick.

388? same.

391. Hemicorynus albonotatus. Water. n.g.

small, antennae longer than body, whitish ash with dusky purple marks, being squarish wh. spots on elytra.

398. Otops sparsa (n.g. Water.). small roundish ant. short ashy brown varied, striate, thorax with brown markings minute & irregular.

394. O. dorsalis. W. elytra striated, small *[sketch]* seg. spots between striae & a large patch at base on suture.

395. O. marmorata. W. *[sketch] [sketch]* brown & ashy varied. the prettiest of the small Singapore <u>Anthribidae</u>.

[[87]]

276. Cerastonema Wallacei. Wat. [sketch]

The fine long antennied sp. ashy & olive varied.

2 black spots on elytra behind.

888 allied? -

98. Xylinades n.s. Elongate cylindric striate & tubercled, antennae short thick.

annuliform. many allied sp.

Brenthidae.

121. Barathrodes binotatus n.g. [sketch] [sketch] red.

112. Arrhenodes sp. pitchy [sketch] punctate. striate, elytra yel. marked.

120. Cyphagogus – sp. [sketch] [sketch] black, small wood borers.

405. <sup>404</sup> Acicnemis – sp. *[sketch] [sketch]* small, long incrassited hind legs, bristly & spiny Elytra.

381 339} Apoderus sp.

109. Alcides sp. cylindric. *[sketch]* fore thighs long with a large internal spine – red & black varied punctuate striate.

[[88]]

293. <sup>fam. Cholides - Eramidae</sup> n.g. *[sketch] [sketch]* brown white stripe on side & across elytra behind.

108. <sup>230</sup> Baridius – <sup>n.s.</sup> the flattish white spotted small curculios. short rostrum.

Mecopus. 96. 337 *[sketch]* The long legged species which, frequent timber & fallen trees only in the <u>hot sunshine</u>.

99 Sphenocorynus. <sup>n.s.</sup> *[sketch] [sketch]* elongate, elytra flat shorten the abd<sup>n</sup>. striate. Black, with round white dots like spots of paint on elytra & thorax. on <u>leaves</u>.

106. Setophilus sp. [sketch] [sketch] small bk. very rugose & punctured

[[89]]

<u>Buprestidae.</u>

755. <sup>1264 Sar?</sup> Chrysodema sumptuosa? *[sketch]* Brilliant green rather golden, basal portion of elytra smooth rest with elevated ridges punctured between, thorax & head more coarsely punctured, beneath golden red. Elytra not serrated.

753. *[sketch]* Elytra serrated at tip with a few ridged & finely punctured dark green with a golden patch between eyes & a golden coppery stripe from eyes to tip of elytra, beneath golden green; <u>powdered</u>.

754 [sketch] Elytra obscurely serrated, scarcely ridged & finely punctured

no spot between eyes, a golden patch on each side of thorax & a narrow golden line red bordered on each side of elytra. beneath like last.

131. 134. 581 *[sketch]* an smooth shiny species beautifully varied with green, black purple &c...

335 - Belionota stigma. (209 Sar.)

[[90]]

	Sing. Mal.	Sar.	
Diptera.	123.	170	Walker's total species 254.
[[91]] <i>[blank]</i>			
[[92]] <i>[blank]</i>			
[[93]]			
<u>Ferns — Borneo</u>			
1. On porphyritic rocks	s – 1000 ft elevation		
2. at roots of trees – d	o. [1000 ft elevation]		
3. Ground, shady – [1	000 ft elevation]		
4. On trees, 1000 ft.			
5. Climbing ab <sup>t</sup> . trees.			
6. On rocks 1000 & 0.			
7. On ground & rocks	shady – <u>1300</u>		
8. On rocks. 1000.			

9. On rocks 1000 & on trees 0

- 10. On trees 1000
- 11. On trees [1000]
- 12. On trees [1000]
- 13. On trees & rocks. 1000. 0
- 14. On rocks. 1000.
- 14. On rocks 1000.
- 16. On ground among stones & trees 1000.
- 17. On rocks as 1000.
- 18. [On rocks as 1000.]

[[94]]

- 19. On ground, 5 to 7 feet high 2700 feet.
- 20. Banks of rocky jungle rivulets. 50. tufts.
- 21. Swamps 3 to 8 feet high. very com.
- 22. Swamps com. 3 4 feet high
- 23. climbing over bushes & other ferns elegant
- 24. [climbing over bushes & other ferns elegant]
- 25. Swamps, tall, proliferous sundry out air root & aerial branches semi-climbing 6 to 10

ft long.

- 26. Seaside on tree jungle
- 27. On tree 20.

28. On tree 0.

- 29. Creeping up trunks of trees 0.
- 30. Creeping as do.. 0.
- 31. earth top of Santubong 2700 ft.
- 32. On ground in dry jungle. 00.
- 33. On banks of jungle rivulets with (20) tufts

34. On. do. ...

- 35. with do. fronds 3 to 4 feet.
- 36. with do & 20. most abundant.

[[95]]

37. On trees & rocks – <u>sunshine</u>.

- 38. On rocks & dry banks. 0. to 3000.
- 39. In open ground base of Santubon. [sic]
- 40. Creeping over rocks & trees with orchids.
- 41. On ground in dry jungle.
- 42. creeping at roots of trees with orchids
- 43. On rocks & ground in shady jungle
- 44. On do. banks of rivulets
- 45. do ...
- 46. On rocks damp near rivulets.
- 47. do do [On rocks damp near rivulets.]
- 48. On rocks Serambo 1000
- 49. On trees near sea.
- 50. On ground in dry jungle- in tufts-

51. Tree fern. 15 - 20 feet high fronds 6ft. x 2.6 petioles at base

1/2 in. diam. hispid with minute conical spines, a furrow on the upper side [sketch] &

with a fine chaffy brown powder very deciduous. stem slender, bases of petiole *[illeg.]* 

broken off – thickness of wrist. (sketch)

52. Tree fern, 8 - 10 feet high, frond 5 feet, petiole smooth scarcely furrowed above & with a close down, greenish above abruptly brown below – fronds & leaflets very downy, sori in double row 6 - 8 on leaflets. Sadong.

[[96]]

52. A thick green viscid[?] from petiole when Cut off - sides of rocky rivulets. -

[[97]] *[blank]* 

[[98]]

[Archivist's note: "Please note from this point, Wallace wrote from the back of the notebook. Scans have been ordered accordingly."]

[[99]] *[back over]* 

[[100]] [inside back over]

[[101]] [inside back over]

[[102]]

1st Consignment.

Collection of Beetles sent to Mr Stevens, May

nc	o.	spec.	no.	spec.	no.	spec.	no.	spec.	no.	spec.	no.	spec
41	1	12	372	8	299	1	294	1	171	1	162	9
43	3	2	360	2	39	1	296	3	172	10	324	1
44	4	16	359	2	72	1	202	7	142	5	421	2
51	1	2	127	6	262	1	297	3	143	1	251	3
45	5	1	14	160	330	1	295	2	144	4	150	2
42	2	14	Long	icorns	333	1	298	6	173	2	255	1
46	6	18	6	5	273	1	79	1	142	12	253	2
22	26	10	54	4	332	1	80	<b>1</b> <sup>3</sup>	26	80	153	8
61	1	2	37	5	59	1	203	2	Erotytic	lae	192	12
50	0	3	26	1	11	1	375	1	Galerci	cidae	189	1
62	2	1	24	1	358	1	1	6	Hetero	mera	_	2
22	25	1	33	1	53	1	2	6	Stapl. 8	kc.	155	2
22	27	3	272	2	367	1	18	63	86	8	196	1
47	7	4	263	2	308	1	Malaco	derus	234	5	439	26
63	3	11	217	7	40	2	Elaterio	dae &c	121	1	453	1
12	22	2	13	7	10	2	223	1	124	35	207	7
29	92	2	14	3	56	5	185	2	204	10	82	1
48	8	3	28	6	35	5	184	1	87	14	93	3
49	9	18	8	20	17	8	224	2	236	12	208	2
94	4	18	218	1	15	6	268	2	235	1	209	5
20	0	143	71	5	70	2	183	1	88	9	210	22
G	Geode	ephaga	23	2	219	1	265	2	433	12	211	10
Cl	lerida	ae	34	3	78	1	163	1	239	5	425	6
19	9	16	58	3	<del>368</del>	4	266	1	89	4	180	2
21	1	22	9	6	16	1	182	10	240	7	46	311
12	25	16	12	6	52	154	177B	5	148	10	467	2
36	61	3	274	4	Lamel	licornes	325B	1	140	11	404	3
20	0	20	27	1	85	7	130B	7	160	8	229	1
52	2	20	7	1	84	1	348.	1	147	8	106	8
22	2	24	38	4	267	1	157	3	146	6	108	8

126	18	264	4	432	6	491	2	156	2	230	3
363	2	73	4	256	1	309	1	168	2	405	2
451	1	300	1	293	6	174	1	189	1	210	9
						245	1	427	6	120	23
								188	3	121	4
										112	4
										46	167

# [[103]]

[continues from previous page] 28th. 1854 from Singapore.

no.	spec.	Recapitulation.	<u>Species</u>	<u>Specimens</u>
Rhychophora		Geodephaga	20	143
31	16	Cleridae	14	160
277	1	Longicornes	52	154
98	2	Lamellicornes	18	63
23	2	Malacoderms}	26	80
337	2	Elateridae}	<del>46</del>	
103	2	Buprestidae}		
102	6	Erotylidae, Chrysomela	46	311
99	1	Galerucidae Heteromera		
293	1	& Staphilinidae}		
96	1	Rhynchophora	46	167
336	2	Totals ~~	222	1087
389	1	73 single specimens		
93	1	300 <sup>d</sup> 2/0		30.0
109	1	300 <sup>d</sup> 1/- }		<del>15</del> 25
392	1	167. – 1/[illeg.]}		12.10
388	1	311 — 6 <sup>d</sup>		7.15
107	5			
386	1			
101	1			
	I		l l	

391	2
450	1
405	2
108	1
398	4
270	10
119	6
387	1
233	3
339	1
381	1
402	2
395	9
394	7
401	5
403	2
0411	l Itext on

[[104]] [text on this page has been written over pencil text which has not been

transcribed]

2nd. <sup>3rd</sup> consignment –

Box No. 1 – Singapore & Malacca

134. Dragonflies

44 Homoptera

15 Orthoptera

# <u>193</u>

<u>Box No. 6</u>

- Dragonflies 25
- Orthoptera 25
- Homoptera 67
- Hemiptera 150
- Coleoptera 545
- White ants 5
- Aptera ——11

# <u>828</u>

Box No. 2 Singapore (all beetles in this box part of Private Coll.

Saturnia Atlas -	3—	(no. 10)
Euploea (no. 1)	2 —	(no. 35)
Papilio (no. 68)	3—	(13)
P. (no. 43)	2 —	(91)
— (no. 8)	1—	(100)
(no. 7)	2 —	(60)
— (no. 5)	2 —	(61)
— (no. 45)	2 —	(4)
	2 —	(3)
	4 —	(2)
	2 Idea	(59)
	Duos[?]	
	16	(44)
	Euploea (no. 1) Papilio (no. 68) P. (no. 43) — (no. 8) (no. 7) — (no. 5)	Euploea (no. 1) $2 - $ Papilio (no. 68) $3 - $ P. (no. 43) $2 - $ - (no. 8) $1 - $ (no. 7) $2 - $ - (no. 5) $2 - $ - (no. 45) $2 - $ $2 - $ $4 - $ 2 IdeaDuos[?]

66 specimens ——

[[105]]

Box. No. 3 Singapore.

<u>164</u> Butterflies, including 3 sp. of the fine Euploea prothoe. 8 <u>Pierils Lea</u>.

12 Pontia? new. 9 of Danais daos &c.

Box. No. 4 Singapore

{158 Butterflies of ab<sup>t</sup>. 50 species, mostly small

210 {42 Moths – 20 species {8 Hymenoptera {1 Hemiptera {1 Arachnida

Box No. 5 Singapore (coleoptera)

{840 Coleoptera (Sing.) – (165 are Longicorns.

940 101 [Coleoptera] <u>Malacca</u> 15 sp. not sent bef.

95 are <u>Lucanidae</u>		235	5 Curcul <sup>dae</sup>	. many fine large.	
Box No	<del>. 6.</del>				
Privat	<del>e series –</del>	Dragon flies 18]	}	all tickete	d
<del>59 sp</del>	ec <sup>ns</sup> .	Orthoptera 25}		white ante	<del>5 &amp;</del>
		Maritus 10-6}		other neu	<del>rop} 6</del>
Duplica	ates				
Ants 10	<del>ĵ</del>				
Hym 1	7				
Dragor	nflies} 36				
Diptera	<del>1 82</del>				
Hemip	<del>. &amp;c} 91</del>				
<u>Orthop</u>	<del>. 90.</del>				
4 <del>10</del> [to	tal]				
[[106]]					
Singap	ore – July 8	Bth,			
Private	Collection	of Insects.			
	Consists	of		species	
1/6	Hymenop	otera —		116	<u>173</u> <sup>138</sup> 35 <del>ants</del> -
1/6	Diptera –	_		92	136 ( <u>123</u> Walker
1/6	Hemipter	a —		75	143
2/-	Homopte	ra —		53	85 (72. Walker) <b>48 in (</b>
2/5	Dragonfli	es —		43	72 + 5 neuropter
	white ant	&c		6	
2/-	Orthopter	ra —		3 <del>5</del> 7	70
1/6	Dermapte	era <sup>&amp;</sup> <i>[illeg.]</i> <sup>Earwigs</sup>		15	26
	Butterflies	s —		157	237
	Moths —			86	116 — 1060
	Coleopte	ra —		682	940
				<u>13<del>52</del>62</u>	species <u>_2000</u>
4 4 9 9					

= 1420 insects

1880 duplicates packed in 6 boxes

<u>1080</u> coleoptera sent to England

4380 total insects collected in <u>9 weeks – in Island of Singapore</u>

Sarawak 170 sp. of Diptera, (Walker), total 254 sp.

[[107]]

129.

Box. no. 7. Malacca Butterflies ----

3 ornithoptera Amphrisius - (not good)

17 Papilios - 2 new Pap. broken. <sup>1. P. xenocles</sup> delesserti 2. P. leucophaeus allied

40 Euploea & Danais. 1 large Euploea of Mt. Ophir

2 Thaumantis odana (fine).

5 Pieris – 2 sp. Mt Ophir. 7 moths

229 specimens in all

In Box. P. 2 (Private) are for sale a pair of the Atlas & 16 duplicate moths to the right

of the Pencil. Line. 18.

In <u>bird box</u>

6 Mormolyce

3 Lucanus Titan (1 private)

1 large scarabaeus (private)

Box of small insects (ants, curculio &c)

Private Box, no. P. 3

Private Coll. of

Orthoptera-

Dragonflies-

Hemiptera

Homoptera

Longicorns -

P. 1 contains Butterflies & Coleoptera.

P. 2. Lepidoptera only

[[108]]

[in margin] Singapore & Malacca

Shells - Land shells –	28 – in card
	box
small do Pill boxes	18 — —
large Helix	7
Cyclostoma (2 sp)	11
Bulimus —	11
Helix aden	?6
	<u>71</u>

Fresh water Mt. Ophir 30 - (3 sp.)

Sea shells. Aden & Singapore, a miscellaneous lot -}

Total 101 land & freshwater

<u>Tortoises</u>

Emys. <sup>platynota</sup> n.s (a) 2 shells (private) 3 skinned & 2 shells (duplicate)

Geomedya spinosa – 2 skinned – (sale)

Tyrse javanica – 1 skinned (sale)

Geomedya n.s.? 1 skinned private

Total Private <u>3- Sale 8</u>. £7

[[109]]

2nd. small Box overland, sent Oct. 16th. 1854. contains value  $\underline{\text{£20}}$ 

<u>On lower side</u>.

Private series of Hymenoptera & Diptera.

Hymenoptera – 173 species}

Diptera – 136 species} about 320 spec<sup>ns</sup>. £24

On upper side. for sale Duplicates -

Hymenoptera – 206. on papers 200, ab<sup>t</sup>. 400

Diptera – 134 spec<sup>ns</sup>. <u>530</u>

17 beetles in the box are private collection.

BM. 112 = £5

Summary of 3rd Consignment

Sale —PrivateColeoptera —1500950

Lepidoptera —	670	3 <del>6</del> 70	}1320		
Neuroptera —	164	80			
Orthoptera	40	70			
Hemiptera.	151	145	}380, :	say £30	
Homoptera	111	85			
Aptera	12				
	2648	<u>1700</u>	£ 61		
[[110]]		l	I		
3rd Consignment £					
<u> Plants – 1 Pack</u> é	et, 200 or 3	300 spec	imens		5
Mammalia –	19			14	3
Birds –	331 Eggs	s 14		170	15
Reptiles –	12			9	8
Insects –	4350			2640	160
Shells –	101 Land	d & freshv	vater	101	5
Sea shells —	?200			?200	2
Insure for £150			_	£	<u>135</u>
Insects coll <sup>d</sup> . at S	ing. & Mal	acca Apr	il <u>20th. Oct</u>	<u>. 16.</u>	
	to	otal	<u>Sale</u>	Pr	
1st Consignmen	t — 10	)87	1087	0	
2nd ——	8	50	850	0	
3rd.	43	350	3030	132	20
	62	287	49 <del>0</del> 17		
Left Singapore or	n Oct <sup>r</sup> .17th	. in " <del>Lad</del>	<mark>∀</mark> <sup>Roya</sup> l A	 \lice". E	naland

Left Singapore on Oct<sup>r</sup>.17th. in "Lady Royal Alice". England abt. March 1st.

arrived in Docks – <u>10th March</u>

in May 1856	860 4	30 430
Total Malay insects	<u>7147 - 5</u>	<u>397 1750</u>

[[111]]

<u>Mammalia</u>.

1. Monkey, <u>Semnopithecus</u> <u>obscurus</u>. Malacca River.

Hands feet & nails jet black, a crescent round eyes above & the upper & lower lips pure white.

tail 1/3 longer than body, skin blueish, hair above, dark greenish brown, near black, below & tail light ash. Brown with a tuft of waved pale hair, rump with a bare blackish horny callosity.

1 sp.

? crown with a black transverse line, back greyish brown lips dusky. Body 20 in. tail
26. <u>Sarawak.</u>

2. Squirrel – L. 11 in. tail 13 in.

above deep black, beneath bright red brown, a line inside of thighs & tail bk. tail with a broad ring of brown hairs near end, these hairs only have dilated tips – tip of tail also brownish – a broad band from the muzzle over the fore shoulder along the side & down the thigh to the hind heel pure white, soles & claws brownish to black. whiskers long, black –

[in margin] Sciurus Rafflesii 2 spec. Malacca

3. Sciurus hippurus? <sup>rufogaster</sup>. – L. 11, tail 13—

Back rufous gray formed by the hairs being rayed with black & red<sup>sh</sup> - Head sides of neck, all thighs, & root of tail & anus, speckled gray formed of hairs with white & black rings – feet & tail entirely black, beneath bright rufous – hairs of tail more spreading beneath the 2 last species

[in margin] 1. spec<sup>n</sup>.

[[112]]

4. Sciurus tenuis? - Length 6 in. tail 6 in -

Above yellowish gray, beneath dusky white. muzzle & soles pale. tail 2/3 at end with hairs yellow at base black in middle & white at tip – Ears very short whiskers pure black – *[in margin]* 4 spec<sup>ns</sup>.

5. Sciurus vittatus -

Small 7 to 9 in tail rather less.

hairs of back ringed with bk. & rufous, beneath rufous. a lateral yel<sup>sh</sup>. line between the fore & hind legs black-margined below, tail obscurely ringed tip rufous & median line beneath rufous in the  $\mathcal{Q}$ . *[in margin]* 3 spec<sup>ns</sup>.

6. Tupaia ferruginea –

L. 6 1/2 in. tail same, mixed rusty & black above yel<sup>sh</sup>. dusky beneath. Tail bk<sup>r</sup>. the hairs rufous ringed & tipped. *[in margin]* <u>1 sp</u>.

7<sup>10</sup>. Paradoxurus sp. leucomystax –

3. temples whitish body dusky rufous, feet dark, tail 2/3 end black.

*[in margin]* 1 sp.

[[113]]

<sup>3 sp.</sup> 7. Bat. Xantharpia amplexicaudata?

Malacca under leaves of Palms

<sup>1 sp.</sup> 8. do.

<sup>1 sp.</sup> 9. do.

11. Pteromys<sup>1</sup> Singapore – rich shiny brown, paler beneath, tip of tail & feet black.

19 Mammalia from Singapore & Malacca April to Oct. 1854

12. Sciurus auriventer. <sup>com.</sup> white squirrel, Malacca.

Entirely yellowish white.

<u>dirtyish ashy above</u>.

(2 other Mammals see other end of book)

13. Sciurus insignis. F. Cuv. (3 lined on back) on ground among dead sticks & trees -

Sing.

[[114]]

1st Box orchids by Rapid. in England abt. June by "Randolph"

<u>4th.</u> Consignment — <u>overland</u>

Feb. 1855 Sarawak.

1 box of land shells, cont<sup>g</sup>. 20 species and 460 specimens with 40 water <sup>shells</sup> as follows No.

×1	<sup>H. glutinosa</sup> Helix	4 spec <sup>ns</sup> .		x - undescribed	
2	Helix <sup>regalis</sup> (flat) red & black	7 [spec <sup>ns</sup> ]	×1	Cyclostoma white	1
			3.		
×3	[Helix] red, <sup>regalis</sup> , white centre	22 [spec <sup>ns</sup> ]	×1	C. <sup>Bornense</sup> com. larger	37
			4.		
×4	Helix <sup>schoemaculana</sup> , large com.	30 [spec <sup>ns</sup> ]	15.	Bulimus achatinaceus	
				Cichalina small	88

5.	[Helix] <sup>conicoides</sup> . small acute	26 [spec <sup>ns</sup> ]	16.	Helix small}	
	spare			H. tropidophora}	28
×6.	[Helix] <sup>consol</sup> . cylindro spiral	17 [spec <sup>ns</sup> ]	17.	do do}	
7.	Auricula nudae	20 [spec <sup>ns</sup> ]	×1	H. Brookei	12
			8.		
8.	[Auricula] Judae	30 [spec <sup>ns</sup> ]	×1	Cycl. <sup>birostre</sup> small,	
			9	spinal	21
×9.	[Auricula] aurismalchi	16 [spec <sup>ns</sup> ]	×2	C. <sup>Tayloranum.</sup> hairy do -	31
			0.		
10.	Concovulus, striped	40 [spec <sup>ns</sup> ]		Sea shells –	40
	Cassidula mustelina			Littoria[?] 2 sp.	
11.	C. coffeae	35		<u>total 500</u>	
12.	Scarabus Bornense	3		Declared value £15 –	
Left S	Sing. Feb. 18. London abt <del>March</del>	April 3rd.			
all ma	arked thus pretty good, more will	sell.			
[[115]	]				
arrived	Sing. 14th England about <u>July</u>				

5th Consignment (2nd Sarawak)

Feb. 1855 Sarawak -

a Jar of Beetles in Box of Orchids (2nd)

Cont<sup>g</sup>. 105 Lucani & Passali

Both these left Sarawak in the Weraff Feb<sup>y</sup>. 10th

5th Consignment. Insects.

*[in margin]* BM. 250 £15

Private Lepidoptera — 2000

Lepidoptera for sale . . . . 870

Coleoptera for sale — 980

Miscellaneous for sale (conditional) 800

In 5 boxes Total — <u>4650</u>

<u>in jar <del>100</del></u>

And 4 king crabs, 3 for sale - 4750

also 1 Box (3rd) of Orchids.

by Dido, left Sarawak, March 3rd ? England. August.

arrived in Jan<sup>y</sup>.

4th lot of Orchids - a cask cont<sup>g</sup>.

5 Vanda Lowii

6 Renanthera (red)

6 [Renanthera] white

left Sarawak. April 3rd – 4th. England ab<sup>t</sup>. Sept<sup>r</sup>. 1st.

[in right margin] All these left Singapore 24th April in "Bangalore" with the Vanda.

[[116]]

5th lot of Orchids - arrived all dead -

2 Boxes with 20 old plants of Vanda Lowii & 3 other small orchids. Si Munjon May 16th. in "Weraff",

Left Sarawak [May] 19th.

arrived at Singapore [May] 24th

left Singapore — June <u>13th</u>.

<sup>in the</sup> Ships, May 29. Liverpool, June 13th to London. by "Johann Lange"

Insects collected in Borneo from Nov. 1st. 1854 to Jan 31st 1856. Total. B.M. sale. 1st Consignment Mar 1./55 4751 2751 £15 2nd [Consignment] overland — 719 719 £25 3rd [Consignment] July 16th 55/ 6500 7600 £45 4th [Consignment] overland Oct. 57/. 4084 4910 £13.15 5th [Consignment]} 5590 {3900 6th [Consignment]} together {1100? 1764 £44.5 19.054 25.334 430 <del>860</del> <del>19.484</del> <del>26.19</del>4 Private -6200

[[117]] 119

# England Oct. 1st. 1855.

# 6<sup>th</sup> Consignment, a box of Beetles overland.

No.		No.		No.		No.	ĺ	No.		No.		No.
359	6	367	3	365	6	58	4	445	4	624	3	
993	6	887	8	364	5	625	2	443	6	161	4	
582	7	326	8	646	4	14 sp.		1002	2	715	5	
540	1	353	10	487	6	53		8 sp. 4	0	3 sp	I	
164	6	334	6	521	4	<u>Culcul</u> .	1	Clerida	e	12 Moi	rdella	
357	11	732	4	1011	2					314	4	
344	8	505	1	362	1	1067	3	8 sp. 2	4	632	4	
351	9	627	4	363	1	931	2			731	7	
1041	1	201	6	488	1	908	2			316	4	
353	7	336	4	1013	1	250	4			4 sp. 1	9 –	
321	10	513	3	678	6	19	2			Chryso	omela	
994	7	360	3	1071	10	83	2			152 sp	ecies	
24	4	486	14	734	2	18	5			719 be	etles –	-
583	9	961	2	825	3	17	4			Longic	orns	
322	6	586	2	1266	1	948	2	7	6	65	352	
944	3	743	2	22 sp.		211	6	858	6	Bupres	stidae	1
200	3	565	3	99		369	6	276	2	22	99	
346	8	341	5	Bupre	st.	370	6	421	5			
1263	8	584	3	220	8	771	6	227	2	Curcul	ionidae	9
1125	3	337	10	4	6	771	5	514	3	14	53	
581	4	323	4	2 sp.	1	874	1	88	3	Elaters	5	I
345	14	735	2	14 Cet		372	7	377	1	11	50	
969	3	620	4	599	4	160	4	8	5	Carabi	dae	1
354	3	560	5	385	3	373	5	160	3	10	37	
766	5	641	2	384	5	973	2	10 sp.	37	-		
1018	1	933	1	382	6	11 sp.	I	Carab.				
340	6	202	3	938	3	59 <u>Ela</u> t	ter	123	3	1		

1009	3	65 sp.		900	4	665	6	315	4
348	4	352 Lo	ng.			801	6	463	1
332	4	3	6	386	4	261	6	450	6
944?	6	361	8	391	2	444	4	881	8
640	10	209	6	497	4	492	6	5 sp	
31	4	302	8	1203	4			22 Het	er
943	6	713	6	389	4				
939	10	1012	6	415	4				
615	11	769	6						
37	6								
356	8								
14011	I	I	l	I	I	I	I	I	l

## [[118]]

Left Singapore by Cornubia for London early in August 20th. England in Jan.?

## 7th Consignment

Long packing case contains -

Skeletons of Orang utan-

♂ adult (nos. 2, 9, 11) — 3 (keep)

 $\bigcirc$  adult (nos. 6, 7, 12) — 3 (keep)

young ♂ — (3) — 1 sale

Bones of limbs of nos. 1, 4, 5 -----

### <u>Tortoises</u>

[in margin] 15 for sale —

No. 1. - 2 stuffed 3 adult shells, 1 young, 1 skul. [sic] 7

No. 2 — 4 stuffed (1 private) — (4)

No. 3 — 2 shells 2 stuffed 1 skul ..... 5

No. 4 — 1 stuffed in Beetle box, (private.) (1)

No. 5...2 young shells (not sent)

No. 6. 1.. large private (1)

In square case

2 sculls of young Mias (nos. (3 & 5) - 1) imperfect of  $\bigcirc$  adult (no. 4)

2 skins dried of same. all for sale -

1 scull of "ursus malayanus" Left Sadong July 21st

Small box in Case ..

5 Bottles.. Coleoptera in spirits

1 small do....minute do ....

2 Bamboos with 4 Tortoise eggs.

1 Box with wasps nest. ....

8 & 10 dry fruits..

1 small tortoise shell..

# [[119]]

2 corked Boxes. 5 Pill boxes, 1 cigar box of beetles – paper

## 7th Consignment - Insects ----- 4th Sarawak

Coleoptera —	Sale	Private	Total
In spirits in 5 bottles — <sup>In a small bottle abt.</sup> <u>100 more</u> minute	800	150	950
In papers — ——	89	12	101
In boxes pinned ———	4215		4215
In a corked box ———		700	700
	5104	862	5966
Or pinned —			
Longicorns —	830		
Cetonidae —	9		
Curculionidae —	1050		
Lucanidae —	49		
Carabidae —	512		
Elaters —	120		
Buprestidae —	278		
Miscellaneous —	1367		
Lepidoptera —			
Papilios — 15 sp. —	47	15	62
Euploeas —		6	23
Pieridae — 11 sp —		11	43
Other orders — 30 sp —		30	101

Moths ——			110
[in margin] 20 sp. of Mantis 20 of Phasm	230?	112?	342
Orthoptera 28 + 142 + 33 =	203		
Other orders 162 + 5-8 + 410 = 400 species	1080		} 1283
Total insects about –	7600		7591
6500 for sale			

[[120]]

5th consignment Sarawak. (8th in all)

	Priv.	Sale	Total
Small Box overland —			
On card in sheets of paper (366 Curcul. private)	830	1045	1875
On card in <del>pill</del> <sup>pin</sup> boxes —		1500	1500
Between papers in pin boxes —		1500	1500
Large col <sup>a</sup> . in papers	2	2 <b>7</b> <sup>5</sup>	27
Butterflies in papers	1	1 <del>8</del> 4	8
Arrived in Dec <sup>r</sup> . 55/.	<u>4084</u>		<u>4910</u>

1 cask containing skins of Orang – by "Margaret West."

nos 6, 7, 8, 9, & 12 —

By "Water Lily" – Singapore Mar 2nd. Anjer Mar 7. 9th in all.

Lond. June 21.

6th Consignment (Sarawak.)

2 casks cont<sup>g</sup>. skins of orangs, 4 & young.

1. Box cont<sup>g</sup>. 16 sculls of orang &c.

1 skeleton, marked,

Skins of Mias –  $2^{\checkmark}_{\bigcirc}$  larger,  $2^{\checkmark}_{\bigcirc}$  small,  $4^{\bigcirc}_{\rightarrow}$ , 2 young.

1 Box. cont<sup>g</sup>. a bundle of ferns.

& the following Insects in <u>6 boxes</u>. — left Sarawak, Jan. 1st in

<u>Sale</u>

Santubong.

[[121]]

Insects. pinned ---

Private

Coleoptera —	1583	1690
Lepidoptera —	266	
Miscell. —	1128	
Lepidoptera in Papers	252	
Coleoptera in Card	650	
in Papers & boxes	20	
Totals —	3900	1690

4 Sterna of Birds – private..

2 crania – of musk deer & otter

1 skeleton of lemur —

1 scull of young orang — (Left Jan 1st.)

In large case — & small box.

Shells – 1000? (3) 100 (9) 135 (18) 10

(14) 50 (13) 3 (7) 80 (8) 80 &c &c. Oct. 3 /56

sold. £9.

Birds private – 96 species.

[Birds] sale in tin box – 60

Mammals - 26 + 30 ----- 56

BM. took 16 Mam<sup>ls</sup>. 5 tortoises for £12 (Stevens Oct. 3)

Franks took 13 mam + 3 sculls £16

[[122]]

5 bottles of reptiles .. 1 Tortoise (Tyrse) 3 tortoise shells.

Lepidoptera in box – sale? – 1080.

2 pieces of endogenous wood (Liliaceae?)

a quantity of papers & books private.

In <u>small</u> box.

Books & papers private. -

3 for Mr. Silk – 4 bird skins (sale)

Lepidoptera – Private moth – 585

Miscell. - 44

Coleoptera – (46 private) – 55

and the Chineese Insects	_								
spectacles broken & Chineese prints - Total insects (Sarawak) – 1764									
other boxes <del>3900 5662</del>									
By "Water Lily"	Sala								
Cing May 2 Large	Sale	664							
Sing. Mar 2. Large	1100	664							
Lond <u>June</u> 21 Before	3900								
A	5000	2854 Pr.							
April- 1856.									
<u>10th Consignment</u> .									
70 small shells from Biliton	. ,	ivete)							
37 Birds — Malacca & Sing		,							
Insects – Private 430 – Sal	,	,							
2 snuff boxes – watch – 2 c	-	urses – chineese glass to							
3 shells – <u>monkeys scull</u> –									
2 monkey skins – 38 crusta	iceae –								
Butterfly papers – 30									
Beetles — [papers] 32									
[Beetles] pin boxes <u>200</u>									
Per Dunedin in July									
[[123]]	"O:t f D.								
Left Singapore Sept. 22 in		<u>ristoi</u> .							
Lombock collection – Aug									
Birds – 69 species – sale	300								
<u>sterna</u> & sculls – private.									
Butterflies in papers 150									
Beetles — 250	} 465								
Miscell. 65									
Bats – 1 sp. 8.									
Musang — 1									

Land & freshwater shells	. 7 sp.	100.						
Private Collections.	Col.	Lep.						
Sp. Sing. & Mal. –	950	370						
1000 [Sing. & Mal.]	300	130						
2000 Sarawak –	{860	<del>2000</del> <sup>150</sup>						
[Sarawak] 342	{830							
[Sarawak]	{1736	<del>620</del>						
80 Lombock	80 —	40						
900 {	270	200						
[Macassar] 800 —	1075	280						
572 Aru —	745	270						
290 Amboyna	330	140						
1000 Dorey	1450	118						
1050 Batchian	1870	245						
[[124]]								
Macassar collections – Sept <sup>r</sup> .	<u> Oct<sup>r</sup>. <sup>(pt.) 8</sup></u>	<sup>3th</sup> Nov. 56 <sup>(pt) 15th</sup>						
<u>Shells</u> (Freshwater abt. 50 .	. 60 (2	2 - 3 sp.)						
Helix <sup>cidaris. Lam. rare 7/-</sup> large bi	rown – –	5 specimens						
[Helix] <sup>trochus</sup> white single brow	/n band	1 <sup>s</sup> / 2/- 130 [specimens]	} 410. packed in					
[Helix] pale purplish, speckled	l, new 2/	6 84 [specimens]	Cigar box					
[Helix] very small, globular, br	rown 6 <sup>d</sup> 6	6 [specimens]	1 unique flat Helix					
Bulimus interruptus, com. yel	. single l	ine 32 [specimens]	<u>12 species</u>					
[Bulimus] var. yellow lightly b	rown bar	nded <sup>6d 1/-</sup> 39 [specimens]						
[Bulimus] var. [yellow] darkly	[brown b	anded] 72 [specimens]						
<sup>B. procellatus</sup> . 3 small pretty spec	ies 2/- 1	2 [specimens]						
Cyclostoma? (Sarawak. 13.)	3 <sup>d</sup> /- 6 <sup>d</sup> /.3	0 [specimens]						
Birds (247 in all sent.)								
Private collection 82 specimens, red banded tickets								
Sale 165 sp <sup>ns.</sup> includ <sup>g</sup> . 30 Raptors of 7 sp.								
Insects. total sent 2774								
Coleoptera <u>270. Lepidop 200.</u>	private 4	<u>170</u> .						

Sale.. Lamellicornes. 350 Geodiphaga -245 Longicorns – 70 Others – 350 }1015 pinned in papers & pin boxes...... 375 total <u>1390</u> [[125]] Lepidoptera... {264 pinned mostly small 456 specimens {192 in papers.. Hymenoptera.. 378.. all pinned.. Other orders 80 mostly pinned..

Totals Insects for sale 2300 specimens

Bats - ?10 of two species

Felis – 2} ♂ & ♀

Cuscus –1} BM. £ 4

Scull of the wild Pig. young.

(3 vols. of Books, private)

One bundle of Plants from Lombock.

By "Margaret West" from Batavia in Feb. arrived

at Downs June 10.

July 1st in London – Aug. 10 letter from Stev

By Sept<sup>r</sup>. 12 had produced £130.

Feb. /58 [had produced] £140 Say £100 clear.

[[126]]

Insects. 7750 specimens collected

Aru Collections. Jan. – July 1857.

[in margin] ab<sup>t</sup>. 60 Batocera

[Coleoptera] in papers 50 T. admirabilis.. 300

Ke species, Chrysodema Lomaptera &c. 700 }3845

[Coleoptera] on card. in pin boxes... 845

Lonidontora ninnad 65 sh	860	
Lepidoptera pinned 65 sp.		}1325
[Lepidoptera] in papers. 55 Ornithoptera	465	}1325
6♂ fine, 6 med. 14 bad.		
Miscellaneous – pinned…	760	
Miscellaneous in papers	18	}978
Miscellaneous on card in pin boxes	200	_
	6148	
Mr. Saunders' series	specimens.	
Hymenoptera (ants 59)	230	
Diptera — —185 sp. — —	195	
Hemiptera	85	}596
Homoptera	52	
Orthoptera & Neuroptera &c.	34	
Private Collection	specimens.	_
Coleoptera 572 species	745	
Butterflies 157 species	269	}1104
<u>Moths72</u>	76	
<u>14 beetles in papers</u>	14	
[[127]]		
<u>1857</u>		
Birds – duplicates – — — 422		
Mammalia 9 species ——9		
Land shells ——— 570		
Freshwater & Marine about 200		
Among the birds are		
Paradisea regia …16 ♂ fine spec <sup>ns</sup> .		
P. apoda 26 ♂ [fine spec <sup>ns</sup> ]		
Microglossus —— 4		
Carpophagae — 26 – 5 species		
Dacelo ——13		
Tanysiptera ——16		

and many small things

From Singapore by "Mavor" <sup>aori</sup> for London about 5th-10th Sept<sup>r</sup>. Letter ab<sup>t</sup>. Sept. 1st.

Letters to Stevens & home by mail Aug. 1st. from Sing.

sent by Capt. of "Alma" to Singapore.

Should fetch near £50<sup>1</sup>0.

Arrived in Jan. & up to June had produced £1000 gross! without Saunders.

[[128]]

By "Corcyra". Dec. 20th? to Singapore

Macassar, 2nd Coll. Nov. 1857

Coleoptera — Pr. <del>3230<sup>1075</sup>}</del> Sale <u>958 + 3327</u>

Lepidoptera — 280 — <u>185</u> + 600?

Other orders .. — 460 <u>no diptera</u> — <u>950</u>

3320 Col. in pin boxes. 100 Ornithop.

7 large in papers Total insects coll<sup>d</sup> 8080

<u>Shells</u>. Helix cidaris – 108

other species – 32 }140

Freshwater – ? 50 –

Birds — 85 of species before sent

[Birds] — <u>81</u> of fresh species

Total — 166 spec<sup>ns</sup>. for sale.

3 Bats (species 3) & 1 squirrel private.

2 crania of  $\mathcal{J}$  adult wild pig.

Diptera private. 202. species sent afterwards with Amboyna Coll<sup>n</sup>.

Produced £260 gross (£200 clear) without Saunders £100? - to Mar 15/

should produce near £300.

arrived in London in July <u>18578</u>

## [[129]]

By steamer to Batavia Jan. 6th. 1858

<u>Amboyna</u> – <u>Dec. 1. to 31. 1857</u>. (20 days

coll<sup>g</sup>.)

Coleoptera (Timor & Banda)... 265

do (Amboyna	a pinned) —		540		
	bin box & papers)		<u>130</u>		
			<u>935</u>		
In spirits (6 E	<u>ongimanus</u> ). about		<u>1000</u>		
Lepidoptera			84		
	n papers ( <u>overland</u> )		170		
[bb].	· pap · · · ( <u>· · · · · · · · ·</u> )		254		
Miscellanea					
Saunders (.15( [Saunders] Banda &c.	• / •		200		
Sale65			<u>65</u>		
Produced £80	clear to Mar. 10 /59		<u>265</u>		
Private Collect	ions		specie	es	spec <sup>ns</sup> .
Coleoptera (Ar	nboyna)		290		330
[Coleoptera] La	amia & Prionus in spirits				
& 1 Dyn. Gideon. large	e from Ceram, <u>private</u>				
[Coleoptera] Ba	anda, Timor, Java, Menad	lo	55		80
[Coleoptera] Ja	apan (Larg. 12)		50 -		60
Lepidoptera d	iurnii 140} 87 sp.}				185
[Lepidoptera] r	octurnii 45} … 35 sp.}				
Total Insects co	oll <sup>d</sup> . <u>3000</u>				
[[130]]					
<u>3 cases</u> , total at	o <sup>t</sup> . <u>7400 insects</u> .				
Collections – Do	<u>prey, N. Guinea.</u>				
Left Ternate in	Oct <sup>r</sup> . & <u>Nov. 1</u> . to <u>Sing</u> .	Priv	vate	Sa	ale
Coleoptera	2000 pinned	14	00	50	00
	1700 in boxes				
	? 1400 in spirit				
Lepidoptera	160 in papers	1	18	29	95
Miscell.		3	75	26	60
Also. Ternate &	Gilolo. Col. 600 i	n pir	n boxes	5	

1300 beetles. 5	500 in bottles
25 misc. <u>2</u>	200 pinned
100 Lep	
also Delli. Mac. Batc. &c. ab <sup>t</sup> . 10	00 spec <sup>ns</sup> .
Crania, <u>sterna,</u> Papuan articles, t	feathers, bird skins – private – also land shells.
ab <sup>t</sup> . 24 <i>[illeg.]</i> & 40 Oryctes Dore	y in spirits. <i>[illeg.]</i> not pinned.
4 <u>Eu. longimanus</u> for sale.	
Insects in bamboo for experimen	<u>ht</u>
Ab <sup>t</sup> . 100 Macassar shells – to ke	ep spec <sup>ns</sup> for me.
1 bamboo <u>fern spores for Mr. Sa</u>	unders.
Birds. 223 duplicates about £100	) £ <u>245</u>
[Birds] 94 private	
<u>Singapore Oct. 29</u> . /58. <u>1858</u>	
[[131]]	
1859. Letter reached Stevens <u>Ma</u>	a <u>y. 24</u>
<u>Batchian – Jan. 30th</u> . (Left Tern	ate Mar. 6th) <sup>Bat. Ap. 9th</sup> . Sing. Ap. 13th.
Small box for overland. contg.	
Paradisea n.s. 6♂. 1♀. 1 juv. (&	a 1 private ♂)
[in margin] £88	
Ornithoptera croesus. 11♂. 8♀.	best pair private. 2 or 3 of $\stackrel{\scriptstyle  o}{\scriptstyle o}$ bad.
Pap. telemachus. 14 spec <sup>ns</sup> . be	st ♂ & a var. private.
£27 3 - 4 poor	
Batchian – general collection.	
Bats – 8 or 10 sp. (20 large).	54
Belideus ———	2
Paradoxurus – 1 - Cuscus 1 -	2
Cynopithecus. 👌 2, young. 1 -	3 } 63.
Deer. head & horns & scull (not	sent) 1
Sculls of the monkey & a $\stackrel{\circ}{_{+}}$ scul	II.
Cranium of Batchian pig. ( <del>not se</del>	ent) 1
Shells. – (Kaioa private 5 - 6 sp	.)

\_

Land shells – (of about 20 sp.)300Fresh water shells about200Private 28 sp. 58 specimens (19 Helix)Birds – Private 114 – Sale 371 –(Paradisea 3. 19)  $\bigcirc$  17.[[132]]1859. Ap. Should bring £1000 gross at leastBatchian. general collection (cont<sup>d</sup>.)

Insects.

Lepidoptera 245 sp<sup>ns</sup>. Coleoptera 1870 – Private

	sp.	spns			
Moths.	48	50	spec <sup>ns</sup> .	Lep. in papers	620
Dip.	105	140	<u>580</u>	[Lep.] pinned	<u>340</u>
Hymen.	100	}210		Colª. in pin boxes	1950
Ants	72			[Col <sup>a</sup> .] in papers	300
Hemip.	63	83	<u>Saunders</u> .	[Col <sup>a</sup> .] in tin boxes	350
Homop.	53	60		[Col <sup>a</sup> .] pinned	<u>3770</u>
Orthop.	20	21		Miscell - ——	<u>46°0</u>
Neurop.	7	7	480 sp.		<u>7730</u>
Aliae —	12	12			

Or. croesus – ♂ 75 (50 fine) ♀ 51 (34 fine)

Pap. telemachus – 65 spec<sup>ns</sup>. most *3*. (40 very fine)

Total insects collected in 6 months 10.400

Ternate & Gilolo. Box, sent with above, contains

Saunders misc. 310 specimens (large Phasmidae &c.)

Duplicates - Lep. 50. Col. 470 miscell. 135.

Helix – Gilolo – 88 specimens.

Left Ternate May 1st.

Overland box of Papered beetles &c. leaves Batavia June 8.

rest in a month? by ship to Liverpool – Glasgow.

by "John Knox" from Batavia July 12th?

[[133]]

<u>1859</u> October. Ternate &c and <u>Menado – Insects &c</u>. Nov. 10 to <u>Batavia</u> Private – Lepidop. 270, Coleoptera 825}

Sent to Singapore Dec<sup>r</sup>. [Coleoptera] Ternate <sup>& Timor</sup> 900}

<u>Saunders series</u> .	Duplicates			
Moths — 6	5 Lep. in papers —	125}		
Aliae — <u>25</u>	[Lep.] pinned	75}		
32	) Col <sup>a</sup> . in pin boxes	350}		
700 Cicindelidae	[Colª.] in papers —	255}		
Private insects 199	5 [Colª.] pinned —	1880		
Saunders do — 32	) Miscellaneous	420		
Sale — 310	5 Total	3 <del>9</del> <sup>1</sup> 05		
Total insects <u>5420</u>	of wh. ab <sup>t</sup> . 2000 Ternate Time	or &c.		
Shells – Timor Coupang	- 1 Helix 1 Bul. 170			
Gilolo & Ternate – 6-8 sp	. — 50			
Menado – (Large Helix 7	small 40) 150			
	Total shells — <u>350</u>			
Mammals — Te	rnate — {Cuscus 3 – Rats	3}		
48 with crania <u>13</u>	{Bats 4 sp. – 7}			
Menado —Sciurus – 1	private –	Timor birds		
Mus 5 sp. — 7		<u>45 pr. 46 sale</u>		
Bats 5 - 6 sp. 12	} 21 specimens -			
Ape — 3				
2 sculls Babirusa Private ——				
9 [sculls Babirusa] for sale — & 2 Anoa sculls				
Birds. {95 pr. – 216 sale	– Menado			
755 {111 pr. – <u>242</u> sale – Ternate & Gilolo				
504 [total]				
[[134]]				
<u>Ceram Collection – Feb. 10</u> . 1860				
Total insects collected 4000 March left	<u>\mb</u>			

#### Private Col<sup>a</sup>. 775 Lep. 176 – Misc. (S.) 80

Beetles. in papers -	230	Shells	
[Beetles] in pin boxes	220	Hel. citrina —	120
[Beetles] pinned	1670	[Hel.] white	550
[Beetles] loose – box	160	[Hel.] spotted	70
[Beetles] E. longimanus (♂ 46)	62	[Hel.] dark small	20
	2342	[Hel.] hollow apex	50
Butterflies ———.	600	[Hel.] small brown	20
Miscell —	60	Amb. white	20
Total for sale —	3002	Land shells	850

Birds - 65 private - 91 duplicates

Bats – 3 sp. 7 spec<sup>ns</sup>. Cuscus – 2 sp. 6 spec<sup>ns</sup>.

Marine shells – 1350 spec<sup>ns</sup>. (300 sp.?) Private

Cassowary eggs & deer horns (2) Private.

Kanary nuts for Mrs. Wallace - & cloths

(3 light 1 bk trousers) for Mrs. Sims -

Books to be kept - spiny grass private -

sh<sup>d</sup>. produce about  $\pounds$  200 clear.

Menado & Ternate} [sh<sup>d</sup>. produce about] £600 or 700 clear

[[135]]

sent Jan. 1861 by "J.B. Cain" - April 15.

Ceram - Mysol & Waigiou. 1860

	-	
Coleoptera -	Pr. 2436.	Dup. 5346
Lepidoptera.	[Pr.] 580	(600, pap.) 2138
Miscell.	S. 1246	1905
Total <u>13,651</u>	4262	9389
Land shells —	Ceram —	204 abt. 10 sp.
	Goram —	238 [abt.] 2 [sp.]
	Mysol	36 [abt.] 12 [sp.]
	Waigiou	403 [abt.] 10 [sp.]
	Gilolo	28 — 1.0

		908		
Birds —	sp. pr		dup.	
Waigiou —		6 —		
-	100 — 1 <sup>-</sup>			
Ceram —	68 — 9	5 —	222	
-	30	<u> 80 – 80 – 80 – 80 – 80 – 80 – 80 – 80 </u>	855	
Mammals-				
<i>[in margin]</i> Mysol		[in n	nargin] Ceram	<u>Waigiou</u>
6 Kangaroo		1 Ci	uscus	1 Bat small
3 Rats		2 sn	nall bats	1 Mus
1 Belideus		10 F	Pteropus (3 sp.)	<u>6 Cuscus</u>
3 Pteropus		<u>1 Sc</u>	<u>orex</u>	8
1 Brown rat		14		Total 37 <u>mammals</u>
<u>1 Bk.</u> do.				
15				
[[136]]		I		
<u>Timor Delli. Jan to</u>	o Ap <sup>i</sup> . 1861	-		
<u>4 cases. Batavia</u>	<u>Ju. 4</u> Aug.	5 by '	' <u>W. Simpson</u> "	
Butterflies – in pa	pers <u>180</u> .			
Beetles- (papers	<u>26</u> )			
<u>Birds,141 pr</u> . <u>475</u>	duplicates	·		
Sent with Bouru's	<u>s Coll<sup>ns</sup> Ju</u>	ly 186	<u>81</u>	
Beetles - Pr. 146	Sale 250			
Butts. [Pr.] 140 [Sale] 15.0 pinned			ł	
Miscellaneous —	[Sale] 130			
Bouru May-June 1	861			
Beetles — Private	e 366 —		Sale 565 <sup>tiny &amp;c. 100</sup>	
			papers 200	}860
Butterflies [Private	e] 121 —		[Sale] 64	
			papers 128	}190

Miscellaneous ———

}180

A (1) In large case all Bouru birds and all pinned insects n. g. Bouru & T. Delli

with a few Timor & Gilolo to fill up – <u>all marked</u>.

(2) Long case - N. Guinea Birds & Mammals.

(3) Gin case – [New Guinea Birds]

4-5 - Gin cases – Ternate, Gilolo & Timor birds.

Bouru beetles in papers - Cloth & sundries pr.

(6) [Gin case] — Butts in papers. <u>Sculls</u>, books &c private.

7. Small box of Papuan shells – (upright).

8. Small box with honeycomb, private,

Bouru Birds. 84 Pr. – 183 Dup.} July 20th from Sourabaya Aug. 5th by "W. Simpson"

1 case left

[[137]]

Left at Batavia - Nov. 1st. 1861

addressed to S. Stevens.

(1). Large case, opp. page. A.

2. Gin case, Java birds - Private.

3. Box with Java sculpture.

4. [Box] with Peacock & Hornbills.

5-6. Sula Birds (Allen)

7 — Packet of Timor & Menado palm leaves.

860	
190	
180	
366	
<u>121</u>	
1717	
[[138]] <i>[blank]</i>	
[[139]] <i>[blank]</i>	

[[140]] *[blank]* [[141]] *[blank]*