

Wallace, A. R. 1854-1861. [WCP5799: Field Notebook 2].  
[DOI:10.5281/zenodo.14592613](https://doi.org/10.5281/zenodo.14592613)

**DESCRIPTION:** Notebook written from both ends, with text running in opposite directions inward from each cover, inverted with respect to each other. In this transcript, the pages of the back section have been arranged in reverse order and placed after the pages of the front section. The front section includes numbered species lists of birds and moths, and notes about beetles, collected in Singapore and Melaka State, Peninsular Malaysia, during the first year (1854) of ARW's nearly eight year expedition to the region. Also included is a list of ferns collected between c. late 1854 and early 1856 in Sarawak, Borneo. The back section largely contains details of the numerous consignments of specimens ARW shipped to his agent Samuel Stevens in London, during the course of his expedition. These shipments were the subject of the following paper: Baker, D. B. 2001. Alfred Russel Wallace's record of his consignments to Samuel Stevens, 1854-1861. *Zoologische Mededeelingen*, 75: 254-341.

Original in Linnean Society of London: MS/179 (images: <http://linnean-online.org/54021>). Transcribed by the A. R. Wallace Correspondence Project (<https://wallaceletters.myspecies.info/>). First published March 2024. Published with corrections January 2025. Text © [Alfred Russel Wallace Literary Estate](#)

[[1]] *[cover] [damaged, no text survives]*

[[2]] *[inside cover]*

*[printed sheet pasted in, titled "ALMANACK". Not transcribed]*

[[3]]

*[printed sheet (second page of sheet on previous page) pasted in, titled "FOR 1853." Not transcribed]*

[[4]] *[numbered "1" in the top left corner of the page. Every third subsequent page is given an appropriate sequential number e.g. 3, 6 etc. These are latter annotations by an archivist and have therefore not been transcribed]*

Aborigines of Alabama & Mississippi made great houses like churches holding a hundred or more people.

Irvings Conquest of Florida

Had Buffalo robes, bears grease

Maize in abundance, sweet potatoes.

Used bows & arrows.

---

Inhabitants of Florida 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.

0 1 2 3

[[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 Insectes.

Calcutta Journal of natural History

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

---

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, Australia.

granite chains & ancient fossiliferous rocks. – none of the age of our Oolite & chalk – but recent tertiary beds on the S. & west coasts

---

Suppose Australia to have been elevated during oolitic period – fossils agree with present fauna & flora. –

Fossil trigoniae, zamias, cycas, & marsupials in the oolite.

All now abundant in Australia –

---

Since partially submerged & elevated in recent tertiary period. –

Different ranges of hills then formed Islands –

Thus species of the different colonies differ, genera the same –

? species of insects – in W. Aust. S. Aust. V. D. Land & Sydney –

[[7]]

Animalcules in Stomachs of Herbivorous Animals – M. M. Gruby & Delafond

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 & digested – In the intestines fragments of carapaces are found –

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 Afakou

[[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 Megalonix Jeffersoni from a stratum of blue clay below the alluvial drift of Natchez: it abounds with bones & teeth of Mastodon giganteum – In the same clay 2 feet below the above fossils of extinct animals were found a human “os innominatum” – Bone of a young man of 16 – corresponded in col. & density with those of the Megalonix. (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 attaches.— 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.

---

[[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] lt. brown yellow margined. – Pulo ubim  
35 [Geometra] green mottled  
36 [Geometra] dk. green falcate wings  
37. lt. brown & green. scalloped.  
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 <sup>satiny</sup> 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 bk<sup>sh</sup>.  
[[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 <sup>red</sup> —  
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	
3 2 1	4 3 2 1	3 2 1			II	= 44

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

Canines - spring from the maxillary bone close to the suture.

Premolars~~ies~~. 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 premolars & from the last of the Molars (P.4 & M.1 being most constant) & from the last also of the ~~canines~~ <sup>incisors</sup> —

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 cayensis. Vieillot	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, sometimes nothing else.

1. Cymbirhynchus macrorhynchus Gm.

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 round swollen.

Chawi. Mal. Mal.

gape yellowish. 2 small white feathers on nape.

3. Meiglyptes tristis.

♂ Malacca. Eyes reddish brown. bill black, feet dusky greenish- eats ants.

Glatto torch.[?]

4. Lophocitta ardesiaca?

Eyes dk olive, bill bk. ft dusky lead col. long chest.

Si gering.[?]

5. Oriolus xanthonotus. Horsf.

bill reddish Eyes red. feet dusky ♂ & ♀ differ much.

Perling ryot. ~~Shrike~~,

6. Harpactes rutilus? Bas[?]

Cassunda Kechil, Malay for Trogon.

7. Nyctiornis amicta. Swains.

iris orange, bill bk. at base horn colour. feet greenish olive.

Burung kachua

Stomach wall large bk. “xylocopa”-

8. Psilopus Hayi Gr.

Eyes dull red<sup>sh</sup>. brown, bill bk. legs bright salmon colour. ♀ bill reddish.

Tocong busi. Blacksmith

9. Irena puella, Horsf.

Bill & ft. bk. iris blood red. nostrils concealed by frontal feathers & covered with bristles. oval oblique in a cavity. feet broad, fissirostral.

Quayang.

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.	<u>os hyoides</u> scarcely <u>produced</u> over head.
11. Orthotomus cineraceus?	very small, narrow tail, eyes reddish yellow, bill
Sitangup.	& feet reddish dusky. <u>insects</u> .
12 Megalaima versicolor. Gray.	♂ 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. ♂ & ♀ eat fruit.

[[23]]

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

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

*[sketch of bird's head]* sides of mandibles & skin of gape deep cobalt blue.

6 ♀

edges ridge & tip of mandibles bk. or horn colour.

Skin above eyes pale blue. iris dk. brown.

feet dusky lead colour.

mid. claw dilated within.

---

*[sketch of bird's head]*

35 ♀ a a

culmen black as far as a line from the nostrils, rest of bill blue shading with the black.

Bbare 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.

---

---

<i>[sketch of bird's head]</i> bill. much compressed.	<i>[sketch of talons]</i> 2 outer toes = Hind toe longest	<i>[sketch of tail feather]</i> tail rounded <u>Lophocitta</u> . tip of tail <u>feathers</u>
--	---	--

[[24]]

- |                                |                                   |
|--------------------------------|-----------------------------------|
| <i>[sketch of bird's head]</i> | legs shortish, mid. toe longest - |
|--------------------------------|-----------------------------------|
14. small greyish shrike? (7 in) Bill dusky bk. lower 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-scarlet  
[Zanclostomus] sumatranus} ?♀ orbits deep yellow, abd. rufous.
16. Phoenicophoeus erythrognaethus. Tem. Kado busar.
17. Kado kuchil mal. Cuckoo, bill greenish orbits blue green.  
tail brown, black & ashy tipped
18. ♂ do - bill yel<sup>sh</sup>.. orbits greenish  
tail obscurely barred.
19. Macronus ptilosus Jard. & Selby. Burung tana - small, eyes dark <sup>red</sup>, bill & feet bk.  
long white stemmed feather – back.  
hops about near the ground in thickets, eats insects, coleoptera.  
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 kuchil. 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 –  
Kado gajah.
22. Calyptomena viridis. Raffl. eats fruit  
Burung patchat.
23. Mirba tando Brachypus vidua ♂ 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. Iora typhia. Lin. Bill & ft. lead col<sup>r</sup>. plumage very dense & downy.

Pintan. yellow. fruit & insects.

26. *Prionochilus percussa*. Tem. very small, spot on crown & on breast.  
tongue short horny divided at end – orange red bill & ft. bk.<sup>sh</sup>. lead col<sup>d</sup>.

27. Mirba Dull olive brown bill, dusky. 7 in.

[[25]]

*[sketch of bird's head]* 8. bill strong compressed, no gape bristles-  
feet scansorial, inner toe small united to mid. to 2nd joint- tail  
short even mid & outer reversed toe = hind do shortish.  
above brown, feathers greenish edged, beneath silky yel<sup>sh</sup>.  
white, throat brownish, yellow-edged. L. 6 in.

---

*[sketch of bird's head]* 16. lt. green, crossed part red, hinder edge of nostril bk.  
round eyes, scarlet papillate skin. iris orange red-

20. ♀ *[sketch of bird's head]* blue green black blue

---

orthotomus.

11. L. 4 in. olive beneath whitish, crown red brown, throat blackish. ~~feet~~ legs long  
slender hind toe & claw 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  
= *[sketch]* tail broad rounded –

---

19. 4 1/2 in. <sup>dk</sup>olive brown, crown rufous, 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 = *[sketch]*

feet large, hind claw large.

lower mand. weak, gape wide. 3-4 strong bristles.

[[26]]

28 *Venilia puniceus*. Bon. ft. greenish, bill bk.

Glatti gading ivory lower mand. & bas<sup>al[?]</sup> of suture of upper yellow. iris  
deep red. orbits bare blueish.

29. Halcyon pulchella. Gr. feet yellowish bill red orbits red.

Sikingking. bare[?]

30. Punai gading. Pigeon, above green, beneath creamy.

Bill bright yellow, feet dark red, under 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 <sup>Gm.</sup> Thrush. bill & feet bk.

Baru baru. fine loud note. dense plumage.

very wary. feeds near the ground.

32. Poonai [crago] kainara.

Pigeon - feet vermilion bill olive at base whitish at tip. ~~iris yellow.~~ iris buff with an outer rim white.

33. ♀ of (23).

Dusky, soft downy plumage bill & feet dusky, Eyes dark.

Brachippus [Brachipus] vidua.

34. Lerax caerulescens. vig.

Eyes dark bill & feet black, lower mand. lead col.

Sikap bilalang.

fruit in stomach. insects & reptiles.

35 Harpactes temmincki. Sw. cassumba[?] busar.

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.

Burung daun.

39. Hemilophus mackloti. ~~Wagl.~~ Gr.

Bill whitish, bk. at tip. feet lead col.

Glato kabu.

Ash 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, covers wh. tipped.

Legs moderate, hind toe longest.

bill moderate no bristles.

---

♀ 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 gape 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]]

carpenter bird

Burung tocong

40. Caprimulgus

Bill & ft. dusky - flies much & rapidly - stomach full of winged wh. ants

41. Meiglyptes rufinotus. Malh.  
Glati merah. Blythi.

? new woodpecker, bill bk., feet dusky.

Brown, black banded throughout.

eyes dark olive, eats white ants.



42. Dusky shine, bill bk, feet dusky  
iris dull red. wings olive green. throat pale, tail shorter & feathers broader than (27).
43. L 5 in 1/4 - flycatcher.  
small shrike – Eyes olive purplish feeds on insects. beneath & rump whitish, above dark.  
bill & feet dusky. tail even, feathers narrow. *[sketch]*
44. Diceum. small warbler, up. mand. bk.  
Titi lip. 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. ~~red~~ ♀ —
48. ~~Shrike~~ short-billed thrush — white beneath bill bk. ft. pale
49. Flycatcher, bill & feet bk.
50. Cypselus subfurcatus, Swift, bill & feet bk., strong feet & claws, grasps like a Hawk!  
Blyth. Layang layang

[[29]]

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

---

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]]

Pipit pinang —

Finch. eyes red<sup>sh</sup> brown, lower mand. & feet lead

51. munia punctulata. colour.
52. Lamprotornis cantor Gm. Glossy bill & ft. bk. eyes red.  
Perling
- 53 Anthreptes lepida.} (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 gularis. 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 fruit only. —  
~~Glatto~~ Tocar 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 always placed on an Areca 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? ♀. Bill bk. pale at tip & at base below, feet lead col. eyes brown.

Rajah anjas.

♂ 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~~ Cinnyris phoenicotis, Juv. very small bill dusky yel<sup>sh</sup>.

feet yellow olive. iris olive – insects

67. Alcippe pharei. Blyth. iris red, bill bk. feet lead col<sup>r</sup>.- a small crest.

68. & 57 Timalia? bill dusky lead. feet pale.

legs long & strong.

69. bill dark, feet pale, iris milk white. 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.

sikingking rimban.

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 bk. yel. [*illeg.*] eat insects & fruit.

Tumpharia rimban

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. Eyton. lower mand. pale. feet olive green.
77. 124. Picnonotus flavescens. ? Blyth. bill dusky feet yellowish pale.  
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.  
Mirba litsang. delicate bird, thin skin & skull. – ♂ & ♀ alike.

82. Myiagra manadensis (Quoy & Gai.) [*illeg.*] Burung mila-  
mila- bill blue lead tip bk. iris dark purple, legs dark lead.

83. Cinnerys 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.  
♀ green with pale blue gape stripe.
- 86 Harpactes. eats hard insects iris dark brown, bill & orbits cobalt blue. tip & margins of mand. bk.  
35
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]]
89. iris pale ashy, bill & feet dusky lead, on low trees, feeds on fruit & insects- ~~a loud musical note~~ a rapidly repeated high note.  
very near (48) & 99.
90. iris dark, bill bk<sup>sh</sup>. feet olive on trees, eats insects & fruits a chirping or creaking note -
91. Passer montana? about houses eats rice.  
Pipit gunting.
92. Kekek. Hornbill, white bill, red brown  
iris feet bk. ♂  
tongue short flat very thin horny at end -
- 92a do. black bill, feet blackish iris purplish olive – ♀  
young ♂. small white bill, iris olive.  
lower orbits pale olive yel.
93. Bubo orientalis. Horsf. Bill bk.

Lang kuching.

94. Halcyon gularis? Kuhl.

95. Arachnothera? iris dark bill dusky feet olive yellow, liquid in stomach & a spider. – tongue long rolled in & [sketch] divided at end.

96. ~~Timalia~~ Brachypteryx leucophrys iris olive, bill black, pale at base below, legs pale. – near the ground, eats insects – 4 3/4.

[[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.

Burung tana. at base, hops near the ground after beetles &c.

98. iris blood red, bill & feet dusky lead. insects -  
about high trees - 7 in.

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) Teop api

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 throat & breast faintly striated –

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

bill small compressed. near 89 & 70.

5 in.

[[42]]

106. iris red, bill black, feet dusky olive. eats fruit.

107. Cudidi. 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.

Chawi.

111. (Humbug) very near 106 & 27 –

iris orange red, bill blackish.

feet reddish olive. dusky olive (7 in)

feather of back paler margined.

112-137 Pigeon, iris narrow orange, orbits base pea green, bill  
Punai crochef/?/ pale yel. green, red at base including nostrils, feet purple  
red –

113 Arachnothera. iris dark olive.

130 bill bk. feet lead col. spiders in stomach. os hyoides  
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 69 wings much olive 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 [a woodpecker, tongue

retractile & much barbed.]

115.

Glatto kuchil

116. Brachiurus granatina. Tem. Mt. Ophir. Bill & ft. bk. eyes dark. insects.

117. Malacopteron cinereum. 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. Reinwt. 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, water beetles. M. Ophir

[[45]]

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

[[46]]

123. iris olive, bill bk. feet pale. insects. Mt Ophir.

124. <sup>77</sup> same. 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. bill & feet bk., lower mand pale.

131. Arachnothera. 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, scalloped 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. <sup>after rain at Bukit Timah.</sup>

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?~~ <sup>[illeg.]?</sup> ~~Korthalsi?~~ Wag. Capellei? Singapore

above bluish olive, beneath yelsh. ash, wings slate blue covers yel. margined, under tail coverts pale coffee, breast rich orange 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. ~~Tem.~~ <sup>Gr.</sup> (bought) Mal. ♂ & ♀.

159. Cryptonix coronata. Tem. ♂ & ♀ (b<sup>t</sup>.)

160. Coturnix small Malacca Quail. 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

no.	Dup.	Pr.	no.	Dup.	Pr.	No.	Dupl.	Pr.
56	0	1	74	4	1	92	4	2
<del>57.</del> <sup>68</sup>	0	4	75	0	1	93	0	1
58	2 <sup>3</sup>	1	76	1	1	94	0	1
59	0	2	77. 124	1	1	95	4 <sup>2</sup>	1
60	2	1	78	1	1	96	2	1
61	0	1	79	0 <sup>1</sup>	1	97	0	1
62	0	1	80	1	1	98	1	1

63	1	1	81	2	1	99	0	1
64	0	1	82	1	1	100	1	1
65			83	0	1	101	0	1
66	0	1	84	2	1	102	0	1
67	0	1	85	0	2	103. 47.	—	—
68 & 57	2	1	86. 35	1	2	104	2	1
69	0	1	87	0	1	105	1	1
70	0	1	88	3	3 <sup>1</sup>	106	0 <sup>1</sup>	1
71	0	1	89	0 <sup>1</sup>	1	107	0	1
72	1	1	90	1	1	108	0	1
73	0	1	91	0	1	109	0	1
9 <sup>8</sup>			17			20		
						14		
						18		

[[54]]

No.	Dupl.	Pr.	no.	Du p <sup>l</sup> .	Pr.	no.	Dup <sup>l</sup> .	Pr.
110	2	4 <sup>2</sup>	128	0	1	146	0	1
111	0	1	129	0	1	147	0	1
112. 137	0	1	<del>130</del>			148	0	1
113. 130	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		
127	1	1	145	0	1			
	6	19		7	16		3	16
75 species of duplicates			169 <sup>70</sup> Dup. 161. Pr. – 151 species.			330 <sup>1</sup> Bird		

[[55]]

Bird collected at Malacca & Singapore

Picidoe 14 sp. 13

Desiderata

Meiglyptes tristis. (3)

Malayan Birds.

M. brunneus. (76)

2 sharp tailed pigeons

Tiga tridactyla. (158)

Treron oxyura. Reinw.

T. rafflesii (64)

✓ . Korthalsi Bp.

Venilia puniceus (28)

Butreron capellei. Tem.

V. mentalis (10)

Treron curvirostra. Gm.

Hemicercus concretus (119)

[Treron] olax. Tem.

Hemilophus mackloti (39)

Psittaci – all

~~H. mulleri. Bp. (161) —? no~~

Corvus sp.

H. Javensis (59)

Hornbills rare

H. validus (144)

Bee eater

? Meiglyptes rufinotus. Malh. (41)

Eurystomus

Sasia abnormis. (115)

Jungle fowl; Gallus

Hemicercus. n.s.? (138.)

Jungle fowl green of Borneo & 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 Ixodinoe.

---

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 loose 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]]

Kingfishers

Halcyon pulchella. Gr.

Ceyx

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

---

**14**

[[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* <sup>Thomp.</sup> very small bronzy bk. *[sketch]* dots white.
43. *C. fuliginosa*. Dej. small bk<sup>sh</sup>. *[sketch]* marks cream white
51. *C. acumimata*. Dej. small pale bronze *[sketch]* marks white, finely punctured
- ✓ 44. *Megalonema elegans*. Dark velvety green blue changeable.  
167 Sar. *[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  
*[line showing body length]* purple black, legs all pale, mouth abd<sup>n</sup>. basal & central part  
T. Payeni? 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 & all thighs pitchy, rest of legs bk. except  
half tibiae & tarsi of hind legs which are very pale.
- good. best 46. *Catascopus* Thorax green. *[sketch]* *[sketch]* brilliant *[?]* coppery. tip of  
(wai<sup>[?]</sup>). Elytra. legs bk. 588 Sar.
47. *C. nitidulus*. Thorax shorter *[line showing body length]* golden green  
punctate striate
- ✓ 687. *C. facialis*? (7. Sar) larger *[line showing body length]* very brilliant. elytra  
near suture

- simply striate.
686. C. very like but broader, more blueish, elytra punctured near suture
- good 63 Pericallus n.s. *[line showing body length]* small dark green, 4 round red spots.
- ✓ 48. P. cicindeloides? n.s. smaller, silky green *[sketch]* striated spots yellow.
- 169 Sar? good.
- ✓ 49 Lebia sp. small *[sketch]* dark green, marks yel.
685. Pericallus? Small *[line showing body length]* *[sketch]* blue, striate, 4 spots yellow.
- ✓ 94 (Dromius, 4 spilata, M. Leay. 79 Sar. *[sketch]* Black rufous spots.
- [line showing body length]* flat elytra striate.
- ✓ 122 Lebia. 696 Sar. spots as in last. *[sketch]* more common thorax broader.
- 567 Demetrias? *[line showing body length]* *[sketch]* elytra steel blue, rest red.
- 495 smaller & entirely steel blue.
643. *[line showing body length]* entirely bronze bk, legs pale. *[sketch]*
- puliculate striate, basal joints of ant. red.
644. Pericallus? *[line showing body length]* bronzy green -
653. *[line showing body length]* *[sketch]* pale brownish pubescent.
- [[60]]
- best 430 Sar. 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 elytra more sloped off behind.
- 292 T. (var. Tatum.)? jet black, smaller.
- 281 like (292) but thorax broader behind.
- 280 Pericallus? *[line showing body length]* dull black *[sketch]*
689. Chlaenius? dull coppery yel. margined ~



✓ 690. ~~Helebia~~? Orthogonius *[line showing body length]* legs & antennae yellow.  
*[line showing body length] [sketch]* pale rufous shiny.  
170 Sar?

282. same form little smaller pitchy bk & pubescent.

693 *[line showing body length]* same form pitchy brown

691- smaller than 692 & all bk.

692- *[line showing body length] [sketch]* narrow bk, brown patch at end of elytra.

✓ 645 *[line showing body length] [sketch]* pitchy brown  
?Geodephaga

✓ 662 *[two sketches]* Physodera eschlotzii.

? near Lebia.

1177 Sar. thorax much dilated laterally, elytra truncate, brilliant copper & purple.

*[line showing body length]*

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 *[line showing body length] [sketch]* smooth striate

759. mormolyae phyllodes. under boleti.

45 species

orthogonius sp. Singapore Ap. 1856.

*[line showing body length]* 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.

---

Orthogonius sp.

*[line showing body length]* 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.

17 at Sarawak.

30

[[62]]

Longicorns.

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

218. A. Black 1/2 elytra at tip reddish, rest deep violet, antennae yellow,  
base pitchy, tip dusky. smaller. Sing.

29 A. [*line showing* Black. head, thorax, elytra antennae & fore legs, testaceous. tips  
*body length*] of elytra & hind leg purplish bk. Sing.

702 A. [*line showing* Testaceous, thorax darker, body beneath dark pitchy, abd<sup>n</sup>. yel<sup>sh</sup>.  
*body length*] 1/2 elytra at base bright indigo blue. Malacca (3)

35 Sar.

703 A. [*line showing* Black, Elytra antennae & tarsi rufous, base and tip of elytra blue  
*body length*] bk. Mt. Ophir top. (1)

371. A. [*line* Body and abdomen bk, head thorax legs antennae & elytra  
*showing body* testaceous. Sing. (1)  
*length*]

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

sp. [*line showing* Black clothed with fine ashy down dense legs & tips of elytra  
*body length*] 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..

13.

Eyes not divided, elytra spined at tip – body broad & thick.

321 Sar

Brick red, 2 spots on head bk. 6 on elytra, violet blue, antennae & legs yel<sup>sh</sup>.

*[sketch]* Entelopes glauca.

var. at Sar without the 2 spots on head.

14. E. ionoptera. Rufous, head bk. elytra deep blue tips of antennae dusky.

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

Glenea (Colobothea?).

33. (good) Chalybea? *[line showing body length]* dark violet blue *[sketch]* spots white Sing.

37 G. Black, violet tinged *[sketch]* spots white Sing

258. G. rich violet blue *[sketch]* spots white Sing.

259. G. *[line showing body length]* purplish bk. *[sketch]* spots white Sing.

698. G. *[line showing body length]* Purple black, base of elytra brassy tip violet - hind legs red<sup>sh</sup>. tips of thighs & base of tibiae bk. ~~Mt Ophir~~ Malacca

691. G.? var 37. broader than 37. marks the same but larger –  
basal marks *[sketch]* (691)  
*[basal marks]* *[sketch]* (37)

---

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

[[64]]

262 Glenea lineaticollis. Dej. *[line showing body length]*

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. *[line showing body length]* Black, central fine blue line on thorax & suture, lat. blue line on elytra & intermediate shorter one, tips & a spot near, blue. Beneath bluish white.

711 Sar agrees but has the elytra brown & lines faint.

368. G. *[line showing body length]* Black. lines *[sketch]* suture & tip ashy blue.  
legs & antennae pale, basal jt. bk.

330. G. *[line showing body length]* Brown bk. *[sketch]* lines

*length]* suture & tip yel. white, legs yel<sup>sh</sup>. antennae pale bk. end white.

near *G. versata*, Newman.

331. *G.* [*line showing body length*] Lines as in last but antennae bk.  
2 penult. joints white – mid. line of elytra longer.

358. *G.* [*line showing body length*] slender, antennae long as in last  
central stripe of elytra broad ashy reaching almost to the tip..

555 *G.* 339 Sar. Brown bk. [*sketch*] lines white beneath & legs clothed with a dense white covering.  
[*line showing body length*]

307. *G.* - [*line showing body length*] 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. [*line showing body length*] Black, 8 round spots & a lat. line from shoulder to mid. of elytra white  
3 first & 7 & 8 joints of antennae whitish.

707. *G.* [*line showing body length*] Black [*sketch*] spots white, antennae bk. legs pitchy. Malacca.

55. *G.* [*line showing body length*] thorax bk. elytra brown. [*sketch*] spots pale green, antennae bk. legs yellow.

75. *G.* [*line showing body length*] elytra purplish brown. [*sketch*]  
tip bk. spots white. antennae bk. legs yellow.

264. *G.* .. 838 Sar near. [*line showing body length*] [*sketch*] Black & bright yellow legs & base of antennae pale yellow.

332 *G.* 712 Sar. [*line showing body length*] [*sketch*] Bk. & buff. Antennae bk. legs pale yel.

77. *G.* 340 Sar 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 Sar. not numbered & 1009 very near but larger & broader.

12. G. *[line showing body length]* black, a broad stripe from forehead to tip of elytra, ochreish, legs pitchy antennae bk. Sing.

585 Sar. [sketch]

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

[[66]]

G. sp. *[line showing body length]* ochre, antae. bk, margins of elytra black, dilated near tip, legs all pale test.

260. Glenea sp. *[line showing body length]* ochre. *[sketch]* antennae legs & sides of elytra bk. base of hinder thigh red.

76. G. Brown yel. *[line showing body length]* buff marked *[line showing body length]* *[sketch]* ant<sup>ae</sup>. bk.

299. G. *[line showing body length]* Black, broad white band at base of thorax & another across centre of elytra, antenna bk. legs pitchy.

72. G. *[line showing body length]* Black *[sketch]* marks white legs pitchy.

39. G. *[line showing body length]* dark brown *[sketch]* lines & suture yel. 3rd. joint of antennae with white ring at end.

659. G. *[line showing body length]* yellow *[sketch]* spots &c bk. legs pale yel. antennae bk. Sing.

706. G. *[line showing body length]* violet blue, basal half of thighs & all antennae yellow, beneath with white pubescence. near Mt. Ophir.

658. G.? *[line showing body length]* white bk. marked *[sketch]* antennae & legs pale testaceous. Sing.

366. G. *[line showing body length]* ashy black marked *[sketch]* like a clytus. antennae beyond 3rd. joint yel<sup>sh</sup>.

852 Sar. is near this

26 species. 7 of these at Sarawak June 55.

[[67]]

~~Cerosterna n.s.~~

good new

Monohammus aspersus.

6. ~~Brown-black~~ pitchy brown, 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 beyond [*sic*] the 4th whitish.

24. *Lamia lusca*. Fab.? 23 Sar

Bk. irrorated with yel<sup>sh</sup>. yel. lines & spots on thorax & 2 jet black spots on shoulders. [*sketch*]

25. *Lamia*. 24 Sar.

finely irrorated with ashy & whitish. [*line showing body length*]

607. *Lamia*. var? rather slender, irrorated brownish [*line showing body length*] & dusky..

370. *Lamia* [*line showing body length*] Black [*sketch*] a whitish spot & a bk. one on lower part of elytra.

610. *Lamia* 8 maculata? 202 Sar. large & a var. or other species at Malacca.

518. *Lamia*. 1190 Sar. reddish ashy [*sketch*] spots bk.

[[68]]

576 (1040 Sar) [*sketch*] more slender, fine ashy, thorax red & black, & scutellum red, surrounded with black. antennae long slender, tips of elytra spined, thoracic spine moderate.

[*sketch*] Blackish, finely punctured & with the 6 spots white.

---

(261) *Cereopsius exoletus*? Pasc.

more slender, dark, irrorated with yellowish, the two largest spots yellow white, the fainter spots & marks yellow.

(334) *Cereopsius marmoreus*.

(634) [*sketch*] dark 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.

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

713. [*line showing body length*] like 261 but entirely deep brown with an ashy pubescence. Malacca. ?343 Sar

Large. Strong bodies, tuberculated elytra, long antennae.

65. [*line showing body length*] 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. (896? Sar.) [*line showing body length*] an obtuse tubercle on base of elytra, basal half & thorax nearly white apical, dark ashy.

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

[[69]]

64.? [*line showing body length*] 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? 766 Sar [*line showing body length*] Black, elytra very flat, oblique ridge from shoulder to apex white interrupted band across centre. white. this should go among Cerambycidae.

---

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

Broad shoulders, narrowed behind, short antennae.

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

Agelastes<sup>a</sup> sp.? irrorata Pasc.

[*line showing body length*] 635. covered with irregular bk., & pale ashy bands, base of ant. joints white.

441. [*line showing body length*] Black stripes Apomecyna frenata Pasc. [*sketch*] white

289. [*line showing body length*] Black bands [*sketch*] white, pale yel. in fresh specm. on leaf antennae applied backwards to sides of Elytra.

712 [*line showing body length*] Dusky, curved [*sketch*] lateral marks whitish.

519 [*line showing body length*] 31 Sar form of (712) reddish brown with transverse whitish waved lines on elytra & much punctured. [*sketch*]

617 [*line showing body length*] closely allied var? thorax shorter.

Elytra not so distinctly waved. Both found on branches among dead leaves

[[70]]

\* elytra Antennae longer than body

8. Plocia? near. [*line showing body length*] [*sketch*] yellowish ashy, 2 long. lines on head & thorax, elytra punctured and obscurely irrorated with 2 obscure bk. waved bands. Sing. common.

274. [*line showing body length*] rufous ashy [*sketch*] punctured. thorax immaculate, elytra with 3 more distinct bands. Sing.

27. 348 Sar. [*line showing body length*] Ashy, base [*sketch*] of elytra, dark. apex, whitish with dark spot & waved marks. antennae rather long slender.

561. *[line showing body length]* Black hairy, elytra with fine wavy black & white marking on an ashy ground. head & basal joint of elytra white with long hair, antennae pilose.

\*\* antennae = body or shorter

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

30. *[line showing body length]* 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. *[line showing body length]* ashy with *[sketch]* darker markings antennae = body not pilose.

[[71]]

559. *Cacia newmanni?* Pasc. *[line showing body length]* 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. *[line showing body length]* obs<sup>c</sup>ure antennae longer than body, slender pilose.

623. *[line showing body length]* dusky- slender, elytra with whitish bands

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

463. *[line showing body length]* 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 *[line showing body length]* cylindric pitchy punctured, ant. shorter than body, tip of elytra whitish, rather tuberculate.

[[72]]

\* antennae shorter than body.

705. *[line showing body length]* Pitchy, elytra *[sketch]* rufous.

2 spots yel. 2 penult. joints of antennae yellow. legs black. Eyes slightly marginate.

Malacca

622. *[line showing body length]* rufous yel. *[sketch]* 2/3 end of elytra black with the sutural portion silky ashy - antennae & hind legs blk.

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

638. *[line showing body length]* 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. *[line showing body length]* Head & thorax rufous, body abdomen & elytra black, sutural portion broadest at base, ashy. legs & antennae black.

40. *[line showing body length]* rufous yel. *[sketch]* tips of elytra dusky, antennae black.

627. *[line showing body length]* 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. <sup>332</sup> Sar *[line showing body length]* rufous, ashy above, margins of elytra dusky, antennae tibiae & tarsi bk. and base of postr. thighs.

460. *[line showing body length]* 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 *[line showing body length]* ashy elytra punctured & finely speckled with black, suture slightly elevated. antennae rather longer than body

650. *[line showing body length]* 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. *[line showing body length]* dusky yel<sup>sh</sup>. punctured, antennae longer than the body. small spine on thorax.

\*\* antennae long.

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

69<sup>99</sup> <sup>506</sup> Sar? *[line showing body length]* 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. *[line showing body length]* *[sketch]* pale testaceous, last 5 joints of antennae bk., elytra sericeous very obscurely punctured.

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

32. *[line showing body length]* reddish distinctly punctured, antennae & a narrow margin to thorax & elytra blackish hind tibiae dusky at base, all tarsi bk. antennae 1 1/2 length of body.

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

636. *[line showing body length]* Black, thorax & shoulders dull red. inside of ant<sup>r</sup>. thighs red, ant<sup>ae</sup>.

2 1/2 length body.

34 *[line showing body length]* Black, elytra dull red, antennae from 3 to 6 joint of th reddish, thorax dusky with a reddish cross - base of 2 ant<sup>r</sup>. pair of thighs red within. ant<sup>ae</sup>. 1 1/2 length of body...

[[75]]

56. *Cylindriformis* sp. *[line showing body length]* *[sketch]*

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

443 C. . . . *[line showing body length]* Bk. & wh<sup>sh</sup>. *[sketch]*

? nearer clytus, antennae longer than body.

38. *Gnoma subfasciata*. Dej. ~~355 Singar~~ *[line showing body length]* 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.?

♂ has 3 tufts on ant<sup>ae</sup>. ♀ only 2 –

[[76]]

### Cerambycidae.

78. *Hammaticherus spinicornis* (Newman). 201 Sar. agrees with *H. spinicornis* Newman. *[line showing body length]* this has spine of 4th joint as Newman says, ~~but the 2nd. spine of antennae is shorter than 3rd – 4th.~~

760 *[line showing body length]* same? ♀ smaller neck, shorter var?

26. *[line showing body length]* (78 in miniature) elytra more smooth.

633. 200 Sar *[line showing body length]* 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. 944 Sar *[line showing body length]* 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. ~~2205 Sar~~ *[line showing body length]* Cylindric, elytra with a very fine adpressed ashy pubescence uniform, 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?</sup> Sar [line showing body length] 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. // good Rhytidodera n.s. [line showing body length] 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. 26 Sar. Eurycephalus maxillosus.

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

---

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. 330 Sar Callichroma sp. [line showing body length] silky green legs & antennae blue, 2 spots on thorax, (one close to neck) suture & margins of elytra, blue black..

217. 329 Sar 3 at Sarawak C. near Dorycus. Bois. [line showing body length] 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. [line showing body length] Elytra as in (217) legs & antennae pitchy rufous, collar of thorax in front & behind purple, green red coppery.

700. C.? Xystrocera n.s. [line showing body length] 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 annulatus. [sketch] [line showing body length] black, bands yellow, thighs with yel<sup>sh</sup>. down. 617. Sar. yelsh. ashy

67. C. 799 Sar. [line showing body length] Black, bands [sketch] ashy, thorax immaculate.

60. [line showing body length] small var.? markings same.

578. C. [line showing body length] Black, ashy [sketch] bands

308. C. [line showing body length] Black [sketch] narrow bands, ashy -

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

710. C. *[line showing body length]* Black, bands <sup>Malacca.</sup> *[sketch]* ashy white.

709. BM cat sp. 125 C. <sup>rubricollis.</sup> Bug? *[line showing body length]* Black *[sketch]* red ashy mark<sup>gs</sup>. thorax red. Malacca, Mt. Ophir.

708. C.? *[line showing body length]* *[sketch]* Bk. band white.

[[80]]

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

~~409~~<sup>10</sup>. C. *[line showing body length]* ashy mark<sup>gs</sup>. *[sketch]* black.

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

651. <sup>?1152 Sar.</sup> ~~2327 Sar.~~ *[line showing body length]* very slender. *[sketch]*

3rd & 4th joint of antennae spined.

652. *[line showing body length]* slender. *[sketch]* not spotted on thorax. 3rd. & 4th. joint of ant. spined.

365. and 327 Sar. 641 Sar. *[line showing body length]* 4 last joints *[sketch]* of ant<sup>ae</sup>. pale, 3rd. & 4th. spined.

68. ~~327 Sar.~~ *[line showing body length]* 4 last joints *[sketch]* of ant<sup>ae</sup>. pale, 3. & 4. spined, thorax not spotted.

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

35. *[line showing body length]* *[sketch]* antennae not spined or very minutely.

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

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

[[81]]

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

Distenia. n.s. *[line showing body length]* *[sketch]*

11 // good. 1062 Sar entirely blue or greenish, antennae red, base of all thighs & end of hind tibiae red<sup>sh</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 *[line showing body length]* 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 Sclethr. n.s. 334 Sar. [sketch] Purple, thorax & hind part of abd. bk. spots & marks bluish white, legs red. tibiae & tarsi bk. but lower & ends of tibiae of hind legs pale -

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

1095. Sar. Distenia sp. much longer [line showing body length] 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. [line showing body length] [sketch] yellowish, tips of elytra, antennae club of thighs tibiae & tarsi bk. joints of antennae, somewhat dilated.

53. 961 Sar. Glaphyra. sp. [line showing body length] [sketch] Black, thorax & sutural half of elytra rufous, base of thighs pale & antennae as in last, tips reddish. 2 last joints.

17. Hesthesis sp. 586 Sar. [line showing body length] [sketch] greenish bk., hairy, thorax & elytra coarsely punctured, base of hind thighs yel. & basal joint of ant. red.

369. 587 Sar? H.... [line showing body length] same form, minute bk. hairy ant. rather longer proportion..

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

219. // 206 Sar. n.g. Lepturidae. [line showing body length] [sketch] Black, elytra red, tips black, thorax dusky red, elytra shorter than body. somewhat thick & dilated -

[[83]]

About 53 Longicoms appear the same as at Sarawak.

90 distinct.

Prionidae.

583. Remphan Hopei. (Waterhouse.)

(1094 Sar) 3 1/3 in. [sketch]

Thorax smooth flat. Thighs & tibiae all shiny on both edges.

Head thorax & legs bk.

Elytra testaceous - body & thighs pitchy

Macrotoma sp. (1285 Sar) 3 1/3 in.

[sketch]

Thorax with deep irreg<sup>lar</sup> punctures in excavation convex. Thighs & tibiae spiny on lower edge only. Testaceous pitchy, fore-part

beneath.

of head & basal joint of ant. only bk.

[[84]]

Cetoniidae.

714. Taeniodera sp.? *[sketch] [sketch] clypeus [line showing body length]*

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

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

715. *[line showing body length]* 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. *[line showing body length] [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]*

*[line showing body length]* 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. ~~386~~ seem to be the same genus.

101. Dorcadops marginatus. Wat. *[line showing body length] [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. *[line showing body length] [sketch]*

dusky, black bands & spots

119. Litocerus apicalis. Wat. elytra brown *[line showing body length]* & ashy, varied tip yellowish.

386. L. flavomaculatus. Wat. bk cedres – 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. *[line showing body length]* *[sketch crossed out]* *[sketch]* flat.

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

336. X. flagellatus. <sup>Schon.</sup> *[line showing body length]* ashy, markings white.. *[sketch]*

463. X. *[line showing body length]* 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 hairs, 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. *[line showing body length]* *[sketch]* brown & ashy varied. the prettiest of the small Singapore Anthribidae.

[[87]]

276. Cerastonema Wallacei. Wat. *[line showing body length]*

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. *[line showing body length]* *[sketch]* red.

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

120. Cyphagogus – sp. *[line showing body length]* *[sketch]* black, small wood borers.

405. <sup>404</sup> Acicnemis – sp. *[line showing body length]* *[sketch]* small, long incrassated 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. fam. Cholidides - Eramidae n.g. *[line showing body length]* *[sketch]* brown white stripe on side & across elytra behind.

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

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

99 Sphenocorynus. n.s. *[line showing body length]* *[sketch]* elongate, elytra flat shorten the abd<sup>n</sup>. striate.

Black, with round white dots like spots of paint on elytra & thorax. on leaves.

106. Setophilus sp. *[line showing body length]* *[sketch]* small bk. very rugose & punctured

[[89]]

#### Buprestidae.

755. <sup>1264</sup> Sar? 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. *[line showing body length]* 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; powdered.

754 *[line showing body length]* 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 *[line showing body length]* an smooth shiny species beautifully varied with green, black purple &c...

335 – Belionota stigma. (209 Sar.)

[[90]]



	Sing. Mal.	Sar.	Walker's
		<u>39.com</u>	
Diptera.	123.	170	total species 254.

[[91]] *[blank]*

[[92]] *[blank]*

[[93]]

#### Ferns — Borneo

1. On porphyritic rocks – 1000 ft elevation
  2. at roots of trees – do. [1000 ft elevation]
  3. Ground, shady – [1000 ft elevation]
  4. On trees, 1000 ft.
  5. Climbing abt. trees.
  6. On rocks 1000 & 0.
  7. On ground & rocks shady – 1300
  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 – sunshine.
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]] *[back cover] [from this point, ARW wrote from the back of the notebook. Pages are arranged in reverse order.]*

[[99]] *[inside back cover] [blank]*

[[100]] *[blank]*

[[101]]

# 1st Consignment.

Collection of Beetles sent to Mr Stevens, May

no.	spec.	no.	spec.	no.	spec.	no.	spec.	no.	spec.	no.	spec
41	12	372	8	299	1	294	1	171	1	162	9
43	2	360	2	39	1	296	3	172	10	324	1
44	16	359	2	72	1	202	7	142	5	421	2
51	2	127	6	262	1	297	3	143	1	251	3
45	1	14	160	330	1	295	2	144	4	150	2
42	14	Longicorns		333	1	298	6	173	2	255	1
46	18	6	5	273	1	79	1	142	12	253	2
226	10	54	4	332	1	80	4 <sup>3</sup>	26	80	153	8
61	2	37	5	59	1	203	2	Erotytidae		192	12
50	3	26	1	11	1	375	1	Galericidae		189	1
62	1	24	1	358	1	1	6	Heteromera		—	2
225	1	33	1	53	1	2	6	Stapl. &c.		155	2
227	3	272	2	367	1	18	63	86	8	196	1

47	4	263	2	308	1	Malacoderus		234	5	439	26
63	11	217	7	40	2	Elateridae &c		121	1	453	1
122	2	13	7	10	2	223	1	124	35	207	7
292	2	14	3	56	5	185	2	204	10	82	1
48	3	28	6	35	5	184	1	87	14	93	3
49	18	8	20	17	8	224	2	236	12	208	2
94	18	218	1	15	6	268	2	235	1	209	5
20	143	71	5	70	2	183	1	88	9	210	22
Geodephaga		23	2	219	1	265	2	433	12	211	10
Cleridae		34	3	78	1	163	1	239	5	425	6
19	16	58	3	368	4	266	1	89	4	180	2
21	22	9	6	16	1	182	10	240	7	46	311
125	16	12	6	52	154	177B	5	148	10	467	2
361	3	274	4	Lamellicornes		325B	1	140	11	404	3
20	20	27	1	85	7	130B	7	160	8	229	1
52	20	7	1	84	1	348.	1	147	8	106	8
22	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

[[102]]

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

no.	spec.	<u>Recapitulation.</u>	<u>Species</u>	<u>Specimens</u>
<u>Rhychophora</u>		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}	46	
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/- }	————	45 25
392	1	167. – 1/[illeg.]}	————	12.10
388	1	311 — 6 <sup>d</sup>	————	7.15
107	5			
386	1			
101	1			
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			

[[103]] *[text on this page has been written over pencil text which has not been transcribed]*

~~2nd.~~ 3rd consignment –

Box No. 1 – Singapore & Malacca

134. Dragonflies

44 Homoptera

15 Orthoptera

**193**

Box No. 6

Dragonflies — 25

Orthoptera — 25

Homoptera — 67

Hemiptera — 150

Coleoptera — 545

White ants — 5

Aptera — 11

**828**

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

4	Saturnia Atlas -	3 —	(no. 10)
7	Euploea (no. 1)	2 —	(no. 35)
3	Papilio (no. 68)	3 —	(13)
2	P. (no. 43)	2 —	(91)
2	— (no. 8)	1 —	(100)
1	(no. 7)	2 —	(60)
3	— (no. 5)	2 —	(61)

3	— (no. 45)	2 —	(4)
		2 —	(3)
		4 —	(2)
		2 Idea	(59)
		Duos[?]	
		16	(44)

66 specimens —

[[104]]

Box. No. 3 Singapore.

164 Butterflies, including 3 sp. of the fine Euploea prothoe. 8 Pieris Lea.

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

Box. No. 4 Singapore

{158 Butterflies of abt. 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] Malacca 15 sp. not sent bef.

95 are Lucanidae 235 Curcul<sup>dae</sup>. many fine large.

~~Box No. 6.~~

~~Private series — Dragon flies 18} all ticketed~~

~~59 spec<sup>ns</sup>. Orthoptera 25} white ants &~~

~~Maritus 10 6} other neurop} 6~~

~~Duplicates~~

~~Ants 16~~

~~Hym 17~~

Dragonflies} 36

Diptera 82

Hemip. &c} 94

Orthop. 90.

410 [total]

[[105]]

Singapore – July 8th,

Private Collection of Insects.

	Consists of	species	
1/6	Hymenoptera —	116	<u>173</u> <sup>138</sup> 35 ants -
1/6	Diptera —	92	136 ( <u>123</u> Walker species)
1/6	Hemiptera —	75	143
2/-	Homoptera —	53	85 (72. Walker) <del>48 in small box</del>
2/5	Dragonflies —	43	72 + 5 neuroptera
	white ant &c	6	
2/-	Orthoptera —	<del>35</del> <sup>7</sup>	70
1/6	Dermaptera & [ <i>illeg.</i> ] Earwigs	15	26
	Butterflies —	157	237
	Moths —	86	116 — 1060
	Coleoptera —	682	940
		<u>1352</u> <sup>62</sup>	species <u>2000</u>

= 1420 insects

1880 duplicates packed in 6 boxes

1080 coleoptera sent to England

4380 total insects collected in 9 weeks – in Island of Singapore

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

[[106]]

Box. no. 7. Malacca Butterflies —

3 ornithoptera Amphrisius – (not good)

---



17 Papilios - 2 new Pap. broken. 1. P. ~~xenocles~~ delesserti 2. P. leucophaeus allied

40 Euploea & Danaids. 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 bird box

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

---

[[107]]

*[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
------------	----

---

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

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

Total 101 land & freshwater

Tortoises

Emys. *platynota* 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 **3- Sale 8.** £7

[[108]]

2nd. small Box overland, sent Oct. 16th. 1854. contains value **£20**

On lower side.

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>. 530

17 beetles in the box are private collection.

BM. 112 = £5

---

Summary of 3rd Consignment

	Sale —	Private	
Coleoptera —	1500	950	
Lepidoptera —	670	36 <sup>70</sup>	}1320
Neuroptera —	164	80	
Orthoptera	40	70	
Hemiptera.	151	145	}380, say £30

Homoptera	111	85	
Aptera	12		
	2648	<u>1700</u>	£ 61

[[109]]

3rd Consignment			£
<u>Plants – 1 Packet, 200 or 300 specimens</u>			5
Mammalia –	19	14	3
Birds –	331 Eggs 14	170	15
Reptiles –	12	9	8
Insects –	4350	2640	160
Shells –	101 Land & freshwater	101	5
Sea shells —	?200	?200	2
Insure for <u>£150</u>		£	<u>135</u>

Insects coll<sup>d</sup>. at Sing. & Malacca April 20th. Oct. 16.

	total	<u>Sale</u>	Pr.
1st Consignment —	1087	1087	0
2nd ———	850	850	0
3rd.	4350	3030	1320
	<u>6287</u>	<u>490<sup>17</sup></u>	

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

arrived in Docks – 10th March

in May 1856	860	430	430
Total Malay insects	<u>7147 - 5397</u>	<u>1750</u>	

[[110]]

Mammalia.

1. Monkey, Semnopithecus obscurus. 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. Sarawak.

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>.

[[111]]

4. Sciurus <sup>tenuis</sup>? – 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 ♀. [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] 1 sp.

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

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

[in margin] 1 sp.

[[112]]

3 sp. 7. Bat. Xantharpia amplexicaudata?

Malacca under leaves of Palms

1 sp. 8. do.

1 sp. 9. do.

11. Pteromys: <sup>1</sup> ~~sp.~~ 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.

dirtyish ashy above.

(2 other Mammals see other end of book)

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

[[113]]

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

4th. Consignment — overland

Feb. 1855 Sarawak.

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

x1	H. glutinosa Helix —	4 spec <sup>ns</sup> .	x	- undescribed	
2	Helix regalis (flat) red & black	7 [spec <sup>ns</sup> ]	x1	Cyclostoma white	1
			3.		
x3	[Helix] red, <sup>regalis</sup> , white centre	22 [spec <sup>ns</sup> ]	x1	C. Bomense com. larger	37
			4.		
x4	Helix schoemaculana, large com.	30 [spec <sup>ns</sup> ]	15.	Bulimus achatinaceus	
				Cichalina small	88
5.	[Helix] <sup>conicoides</sup> . small acute spare	26 [spec <sup>ns</sup> ]	16.	Helix small}	
				H. tropidophora}	28
x6.	[Helix] <sup>consol.</sup> cylindro spiral	17 [spec <sup>ns</sup> ]	17.	do do}	
7.	Auricula nudae	20 [spec <sup>ns</sup> ]	x1	H. Brookei	12
			8.		
8.	[Auricula] Judae	30 [spec <sup>ns</sup> ]	x1	Cycl. <sup>birostre</sup> small,	
			9	spinal	21
x9.	[Auricula] aurismalchi	16 [spec <sup>ns</sup> ]	x2	C. Tayloranum. 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 Sing. Feb. 18. London abt ~~March~~ April 3rd.

all marked thus pretty good, more will sell.

[[114]]

arrived Sing. 14th England about July

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 — 4650

in jar 400

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.

[[115]]

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 13th.

in the Ships, May 29. Liverpool, June 13th to London. by “Johann Lange”

---

Insects collected in Borneo from Nov. 1st. 1854 to Jan 31st 1856.

	sale.	Total.	B.M.
1st Consignment Mar 1./55	2751	4751	£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]}	{3900	5590	
6th [Consignment]} together	{1100?	1764	£ 44.5
	<u>19.054</u>	<u>25.334</u>	
	<u>430</u>	<u>860</u>	
	<u>19.484</u>	<u>26.194</u>	
	Private -	<u>6200</u>	

[[116]]

119

Left Sadong Ju. 20. Sarawak July 18th Sing. Aug. 18?

England Oct. 1st. 1855.

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

No.		No.		No.		No.		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. 40		3 sp		
164	6	334	6	521	4	<u>Culcul.</u>		Cleridae		12 Mordella		
357	11	732	4	1011	2					314	4	
344	8	505	1	362	1	1067	3	8 sp. 24		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. 19 –		
321	10	513	3	678	6	19	2			Chrysomela		
994	7	360	3	1071	10	83	2			152 species		
24	4	486	14	734	2	18	5			719 beetles –		
583	9	961	2	825	3	17	4			Longicorns		
322	6	586	2	1266	1	948	2	7	6	65	352	
944	3	743	2	22 sp.		211	6	858	6	Buprestidae		
200	3	565	3	99		369	6	276	2	22	99	
346	8	341	5	Buprest.		370	6	421	5			
1263	8	584	3	220	8	771	6	227	2	Curculionidae		
1125	3	337	10	4	6	771	5	514	3	14	53	
581	4	323	4	2 sp.		874	1	88	3	Elaters		
345	14	735	2	14 Cet.		372	7	377	1	11	50	
969	3	620	4	599	4	160	4	8	5	Carabidae		
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.		Carab.				
340	6	202	3	938	3	59 <u>Elater</u>		123	3			
1009	3	65 sp.		900	4	665	6	315	4			
348	4	352 Long.				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 Heter		
943	6	713	6	389	4					
939	10	1012	6	415	4					
615	11	769	6							
37	6									
356	8									

[[117]]

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)

♀ adult (nos. 6, 7, 12) — 3 (keep)

young ♂ — (3) — 1 sale

Bones of limbs of nos. 1, 4, 5 —

### Tortoises

*[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 skulls of young Mias (nos. (3 & 5) — 1 imperfect of ♀ adult (no. 4)

2 skins dried of same. all for sale –

1 skull 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..

[[118]]

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 — In a small bottle abt. <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		
Cetoniidae —	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

<i>[in margin]</i> 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 –	<u>7600</u>		7591
6500 for sale			

[[119]]

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 pill pin boxes —		1500	1500
Between papers in pin boxes —		1500	1500
Large col <sup>a</sup> . in papers	2	27 <sup>5</sup>	27
Butterflies in papers	1	18 <sup>4</sup>	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 oranges, 4 & young.

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

1 skeleton, marked,

Skins of Mias – 2♂ larger, 2♂ small, 4♀, 2 young.

---

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

& the following Insects in 6 boxes. — left Sarawak, Jan. 1st in  
Santubong.

[[120]]

Insects. pinned —	<u>Sale</u>	<u>Private</u>
-------------------	-------------	----------------

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 skull 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 skulls £16

[[121]]

---

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 small box.

Books & papers private. –

3 for Mr. Silk – 4 bird skins (sale)

Lepidoptera – Private moth – 585

Miscell. – 44

---

---

Coleoptera – (46 private) – 55  
and the Chinese Insects –  
spectacles broken & Chinese prints -

---

Total insects (Sarawak) – 1764  
other boxes ~~3900~~ 5662

---

By “Water Lily”

	Sale	
Sing. Mar 2. Large	1100	664
Lond <u>June</u> 21 Before	3900	1690
	5000	2854 Pr.

---

April- 1856.

10th Consignment.

70 small shells from Biliton – (sale)

37 Birds — Malacca & Singapore (Private)

Insects – Private 430 – Sale 434 (286 col.)

2 snuff boxes – watch – 2 chinese purses – chinese glass toy

3 shells – monkeys skull – private.

2 monkey skins – 38 crustaceae –

Butterfly papers – 30

Beetles — [papers] 32

[Beetles] pin boxes 200

Per Dunedin in July

[[122]]

Left Singapore Sept. 22 in “City of Bristol.”

Lombok collection – Aug. 1856.

Birds – 69 species – sale 300

sterna & skulls – 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 { Macassar 254 sp.—	270	200
[Macassar] 800 —	1075	280
572 Aru —	745	270
290 Amboyna	330	140
1000 Dorey	1450	118
1050 Batchian	1870	245

[[123]]

Macassar collections – Sept<sup>r</sup>. Oct<sup>r</sup>. (pt.) 8<sup>th</sup> Nov. 56 (pt) 15<sup>th</sup>

Shells .. (Freshwater abt. 50 .. 60 .. (2 - 3 sp.)

Helix .. cidaris. Lam. rare 7/- large brown – – 5 specimens

[Helix] trochus white single brown band 1<sup>s</sup>/ 2/- 130 [specimens]

[Helix] pale purplish, speckled, new 2/6 84 [specimens]

[Helix] very small, globular, brown 6<sup>d</sup> 6 [specimens]

Bulimus interruptus, com. yel. single line 32 [specimens]

[Bulimus] var. yellow lightly brown banded 6<sup>d</sup> 1/- 39 [specimens]

[Bulimus] var. [yellow] darkly [brown banded] 72 [specimens]

B. procellatus. 3 small pretty species 2/- 12 [specimens]

Cyclostoma? (Sarawak. 13.) 3<sup>d</sup>/- 6<sup>d</sup>/ 30 [specimens]

---

Birds .. (247 in all sent.)

---

} 410. packed in  
Cigar box..

1 unique flat Helix  
.. 12 species

---

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 270. Lepidop 200. private 470.

Sale..	Lamellicornes.	350	
	Geodiphaga –	245	
	Longicorns –	70	
	Others –	350	}1015 pinned
	in papers & pin boxes.....	<u>375</u>	
	total	<u>1390</u>	

[[124]]

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

Skull 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.

[[125]]

Insects. 7750 specimens collected

Aru Collections. Jan. – July 1857.

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

Coleoptera .. pinned 225 sp., 25 fine ..	2000	
[Coleoptera] in papers 50 T. admirabilis..	300	
Ke species, Chrysodema Lomaptera &c.	700	}3845
[Coleoptera] on card. in pin boxes...	845	
Lepidoptera pinned 65 sp.	860	
[Lepidoptera] in papers. 55 Ornithoptera 6♂ fine, 6 med. 14 bad.	465	}1325
Miscellaneous – pinned...	760	
Miscellaneous in papers....	18	}978
Miscellaneous on card in pin boxes	200	
	<hr/> 6148	

---

<u>Mr. Saunders' series</u>	specimens.	
Hymenoptera (ants 59)	230	
Diptera — —185 sp. — —	195	
Hemiptera	85	}596
Homoptera	52	
Orthoptera & Neuroptera &c.	34	

---

<u>Private Collection</u>	specimens.	
Coleoptera 572 species	745	
Butterflies 157 species	269	}1104
<u>Moths ...72</u>	76	
<u>14 beetles in papers</u>	14	

[[126]]

1857

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>10</sup>.

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

[[127]]

By “Corcyra”. Dec. 20th? to Singapore

Macassar, 2nd Coll. Nov. 1857

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

Lepidoptera — 280 — 185 + 600?

Other orders .. — 460 no diptera — 950

3320 Col. in pin boxes. 100 Ornithop.

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

---

Shells. Helix cidaris – 108

other species – 32 }140

Freshwater – ? 50 –

---

Birds — 85 of species before sent

[Birds] — 81 of fresh species

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

---

3 Bats (species 3) & 1 squirrel private.

2 crania of ♂ 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 1857<sup>8</sup>

[[128]]

By steamer to Batavia Jan. 6th. 1858

Amboyna – Dec. 1. to 31. 1857. (20 days  
coll<sup>9</sup>.)

Coleoptera (Timor & Banda)...	265
do .. (Amboyna pinned) —	540
do .. (Amb. in pin box & papers).....	<u>130</u>
	<u>935</u>
<u>In spirits</u> (6 <i>E. longimanus</i> ). about	<u>1000</u>
Lepidoptera .. pinned ...	84
[Lepidoptera] in papers ( <u>overland</u> )	<u>170</u>
	<u>254</u>

Miscellanea

Saunders (.150 sp.) ...170}..	200
-------------------------------	-----

[Saunders] Banda &c. ...30}

Sale .....65	<u>65</u>
--------------	-----------

Produced £80 clear to Mar. 10 /59	<u>265</u>
-----------------------------------	------------

---

<u>Private Collections</u>	species	spec <sup>ns</sup> .
----------------------------	---------	----------------------

Coleoptera (Amboyna)	290	330
----------------------	-----	-----

[Coleoptera] *Lamia* & *Prionus* in spirits

& 1 Dyn. *Gideon*. large from Ceram, private

[Coleoptera] Banda, Timor, Java, Menado	55 ...	80
---	--------	----

[Coleoptera] Japan (Larg. 12)	50 -	60
-------------------------------	------	----

---

Lepidoptera diurnii 140} ... 87 sp.}	185
--------------------------------------	-----

[Lepidoptera] nocturnii 45} ... 35 sp.}

Total Insects coll<sup>d</sup>. 3000

[[129]]

3 cases, total ab<sup>t</sup>. 7400 insects.

Collections – Dorey, N. Guinea.

Left Ternate in Oct <sup>r</sup> . & <u>Nov. 1.</u> to <u>Sing.</u>		Private	Sale
Coleoptera	2000 pinned	1400	5000
	1700 in boxes		
	? 1400 in spirit		
Lepidoptera	160 in papers	118	295
Miscell.		375	260

---

Also. Ternate & Gilolo. Col. 600 in pin boxes

1300 beetles. 500 in bottles

25 misc. 200 pinned

100 Lep

also Delli. Mac. Batc. &c. ab<sup>t</sup>. 100 spec<sup>ns</sup>.

---

Crania, sterna, Papuan articles, feathers, bird skins – private – also land shells.

ab<sup>t</sup>. 24 [illeg.] & 40 Oryctes Dorey in spirits. [illeg.] not pinned.

4 Eu. longimanus for sale.

Insects in bamboo for experiment

Ab<sup>t</sup>. 100 Macassar shells – to keep spec<sup>ns</sup> for me.

1 bamboo fern spores for Mr. Saunders.

Birds. 223 duplicates about £100 £245

[Birds] 94 private

Singapore Oct. 29. /58. 1858

[[130]]

1859. Letter reached Stevens May. 24

Batchian – Jan. 30th. (Left Ternate Mar. 6th) Bat. Ap. 9th. Sing. Ap. 13th.

Small box for overland. contg.

Paradisea n.s. 6♂. 1♀. 1 juv. (& 1 private ♂)

[in margin] £88

Ornithoptera croesus. 11♂. 8♀. best pair private. 2 or 3 of ♂ bad.

Pap. telemachus. 14 spec<sup>ns</sup>. best ♂ & 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 & skull (not sent)	1

---

Skulls of the monkey & a ♀ skull.

Cranium of Batchian pig. ( <del>not sent</del> )	1
--	---

---

Shells. – (Kaioa private 5 - 6 sp.)

Land shells – (of about 20 sp.)	300
Fresh <u>water shells about</u>	200
Private 28 sp. 58 specimens (19 Helix)	

---

Birds – Private 114 – Sale 371 –

(Paradisea ♂. 19) ♀ 17.

[[131]]

1859. Ap. Should bring £1000 gross at least

Batchian. 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		Col <sup>a</sup> . 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<sup>00</sup></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 ♂. (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?

[[132]]

1859 October. Ternate &c and Menado — Insects &c. Nov. 10 to Batavia

Private — Lepidop. 270, Coleoptera 825}

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

Saunders series.

Moths —	65	Duplicates	
		Lep. in papers —	125}

Aliae —	<u>255</u>	[Lep.] pinned	75}
---------	------------	---------------	-----

320	Col <sup>a</sup> . in pin boxes	350}
-----	---------------------------------	------

<u>700 Cicindelidae</u>	[Col <sup>a</sup> .] in papers —	255}
-------------------------	----------------------------------	------

Private insects	1995	[Col <sup>a</sup> .] pinned —	1880
-----------------	------	-------------------------------	------

Saunders do — ..	320	Miscellaneous	420
------------------	-----	---------------	-----

Sale ———	3105	Total	<u>39105</u>
----------	------	-------	--------------

---

Total insects 5420 of wh. ab<sup>t</sup>. 2000 Ternate Timor &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>
----------------	------------

---

<u>Mammals</u> —	Ternate —	{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.	11	} 21 specimens -	
Ape ———	3		
2 skulls Babirusa Private ———			
9 [skulls Babirusa] for sale — & 2 Anoa skulls			

Birds. {95 pr. – 216 sale – Menado  
755 {111 pr. – 242 sale – Ternate & Gilolo  
504 [total]

[[133]]

Ceram Collection – Feb. 10. 1860

Total insects collected 4000 March left Amb

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
	<u>2342</u>	[Hel.] hollow apex	50
Butterflies ———.	600	[Hel.] small brown	20
Miscell —	60	Amb. white	20
Total for sale —	<u>3002</u>	Land shells	<u>850</u>

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 £200 clear.

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

[[134]]

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

<u>Birds</u> —	sp.	pr.	dup.
Waigiou —	74 —	96 —	247
Mysol —	100 —	117 —	386
Ceram —	68 —	95 —	222
	<u>308</u> —	<u>855</u>	

Mammals-

*[in margin]* Mysol

6 Kangaroo

3 Rats

1 Belideus

3 Pteropus

1 Brown rat

1 Bk. do.

*[in margin]* Ceram

1 Cuscus

2 small bats

10 Pteropus (3 sp.)

1 Sorex

14

Waigiou

1 Bat small

1 Mus

6 Cuscus

8

Total 37 mammals

[[135]]

Timor Delli. Jan to Ap<sup>l</sup>. 18614 cases. Batavia Ju. 4 Aug. 5 by "W. Simpson"Butterflies – in papers 180.Beetles- (papers 26)Birds, 141 pr. 475 duplicates.

---

Sent with Bouru's Coll<sup>ns</sup>.. July 1861

Beetles - Pr. 146 Sale 250

Butts. [Pr.] 140 [Sale] 15.0 pinned

Miscellaneous — [Sale] 130

---

Bouru May-June 1861

Beetles — Private 366 —	Sale 565 <sup>tiny &amp;c. 100</sup>	
	papers 200	}860
Butterflies [Private] 121 —	[Sale] 64	
	papers 128	}190
Miscellaneous ———	50	
	30	}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 – all marked.

(2) Long case – N. Guinea Birds &amp; Mammals.

(3) Gin case – [New Guinea Birds]

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

Bouru beetles in papers - Cloth &amp; sundries pr.

(6) [Gin case] — Butts in papers. Sculls, 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

[[136]]



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

121

1717

[[137]] *[blank]*

[[138]] *[blank]*

[[139]] *[blank]*

[[140]] *[blank]*