

A LIST OF THE INDIAN CICINDELIDAE WITH LOCALITIES.

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Canon Fowler's comparatively recent volume on the Cicindelidae in the "Fauna of British India" series renders the publication of a catalogue of this family unnecessary. We believe, however, that a revised list of the Indian tiger-beetles with special reference to the collection of the Zoological Survey of India will prove useful, and in submitting the following list hope that this may be so. In preparing it we have arranged the species alphabetically under the genera, partly to facilitate reference, and partly because the affinities of the various species are yet imperfectly known. We have endeavoured to incorporate all information as to geographical distribution and have also added footnotes to certain species where it has been thought necessary. As far as possible the precise situation of the various localities mentioned here has been given. It may be stated that when localities like "Sikhim" is mentioned this does not imply that the insect occurs all over Sikhim, but that the specimen has not been more accurately labelled than this. The localities of specimens in the Museum collection have been marked with an asterisk.

The life-histories and habits of the Cicindelidae are of great interest, but those of the Indian species are practically unknown, and there is a wide field for amateur observations here.

We are indebted both to Drs. N. Annandale and S. W. Kemp of the Zoological Survey of India for their valuable suggestions and help rendered to us in our study of this group. Our thanks to Dr. Walther Horn of the Deutsches Entomologisches Museum, Berlin, the leading authority on the Cicindelidae, for his kindness in looking through and checking this list, as well as for identifying many specimens.

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Family CICINDELIDAE.

Division ALOCOSTERNALIAE.

Subfamily COLLYRINAE.

Genus *Collyris* Fabr. (1801).

- brevipennis* Horn. Bombay, Talewadi* and Castle Rock,* N. Kanara dist., Bombay Pres.
brevipennis var. *elongato-subtilis* Horn.¹ Anaimalai Hills, Madras Pres.
brevipennis var. *subtilesulpta* Horn. Coonoor and Oucherlony Valley* (3,000—3,500 ft.), Nilgiri Hills and Dindigul, Madras Pres. ; Coorg, S. India.
dohrni Chaud. Colombo, Ceylon.
longicollis Fabr.² Sahibganj,* Burdwan dist., Bengal.
mniszewski Chaud. Naga Hills, Assam ; Karen Hills, Burma ; Laos, Indo-China ; Malacca ; Borneo ; (?) Java ; Momeit, Yunnan, W. China.

Genus *Neocollyris* Horn (1901).

- acute-apicalis* Horn.³ Chandkhira, Sylhet, Assam.
ampulicollis Horn.⁴ Wallardi, Travancore.
andrewesi Horn. Trivandrum* and Wallardi, Travancore ; Anaimalai Hills (3,000—4,000 ft.), and Nilgiri Hills,* Madras Pres. ; N. Kanara dist., Bombay Pres. ; Mahe, W coast, India ; (?) Ceylon.
apicalis Chaud. Patkai Hills, Assam ; S. Burma ; Tonkin, Indo-China ; Singapore ; Sumatra ; Malacca.

¹ Cf. Horn (1913, p. 2). Not recorded in the "Fauna."

² Cf. Fowler (1912, p. 225).

³ Cf. Horn (1913, p. 4). Not recorded in the "Fauna."

⁴ Cf. Horn (1913, p. 5). Not recorded in the "Fauna."

- aptera* Lund. Naga Hills and Sylhet, Assam ; Tenasserim.
- apteroides* Horn. Manipur, Assam.
- attenuata* Redt. Soom* (4,500—5,000 ft.), Singla* (1,500 ft.), and Mungphu, Darjiling dist., E. Himalayas ; Nepal ; Simla, Punjab, W. Himalayas ; Calcutta, Bengal ; Khasi Hills, Assam.
- auripennis* Horn. Manipur, Assam ; Tonkin and Annam, Indo-China.
- bipartita* Fleut. India ; Karen Mts., Burma.
- bonelli* Guér. Sikhim* ; Barkuda Id.,* Lake Chilka and Trichur, Cochin State, Madras Pres. ; Calcutta,* Khargpur,* and Rangamati,* (Chittagong Hill Tracts), Bengal ; Siripur,* Saran, Bihar ; Central Provs.* ; Sibsagar,* Khasi Hills,* Naga Hills, Patkai Hills and above Tura,* Garo Hills, Assam ; Maymyo, Tharawaddy and Pegu, Burma ; Tenasserim ; Hills near Taiping,* Perak, Malay Peninsula ; Java* ; S. Kashmir, the Himalayas and S. China to Sumbawa, Sumba, and the Banguay Is., N. Borneo.
- bonelli* var. *batesi* Horn. Khasi Hills, Assam ; Siam ; Cochin China.
- bonelli* var. *diversipes* Fowl. Pashok* (3,500 ft.), Darjiling dist., E. Himalayas ; Tura* (1,200—1,500 ft.), Garo Hills, Assam ; Burma ; Java ; Borneo.
- bonelli* var. *ortygia* Buq. Singla* (1,500 ft.), Darjiling dist., E. Himalayas ; Kashmir, W. Himalayas ; Nepal ; Calcutta* and Rajmahal,* Bengal ; Siripur,* Saran, Bihar ; N. Cachar and Tura* (1,200—1,500 ft.), Garo Hills, Assam ; Bhamo and Tharawaddy, Burma ; Mahe, W. coast, India ; S. China ; Tonkin and Annam, Indo-China ; Malacca ; Singapore ; Sumatra ; Java ; Bali Id., Sumbawa and Sumba, E. Indies ; Siam ; Banguay Is., N. Borneo.
- bonelli* subsp. *distincta* Chaud.¹ Darjiling and Pashok* (3,000 ft.), Darjiling dist., E. Himalayas ; Chatrapur,* Ganjam dist., Madras Pres. ; Balighai* near Puri, Orissa ; Calcutta,* Bengal ; Khasi Hills, Assam ; Castle Rock,* N. Kanara dist., Bombay Pres.
- boysi* Chaud.² Bhutan ; Above Tura* (3,900 ft.), Garo Hills, Assam.
- brevilabris* Horn. Assam ; Karen Hills, Burma.
- ceylonica* Chaud. Ceylon.
- compressicollis* Horn.³ Assam.
- crassicollis* Chaud. Sikhim.
- crassicornis* Dej. Anaimalai Hills, Pondicherry and Gopkuda Id.,* Lake Chilka, Madras Pres. ; Travancore ; Chandipore* near Balasore, Orissa (sea-coast) ; Calcutta* (and environs)* and Maldah,* Bengal ; Chota Nagpur and Ranchi,* Bihar ; Sibsagar,* Assam ; N. Shan States,* Burma ; Ceylon ; Siam ; Malay Peninsula ; Java ; Sumatra ; Indo-China ; Celebes ; Moluccas.
- cruentata* Schm.-Goeb. Sibsagar,* Assam ; Karen Hills, Tharawaddy, Taung-ngu, Rangoon and Pegu, Burma ; Tenasserim ; Siam ; Malacca ; Sumatra ; Borneo.

¹ Cf. Dover and Ribeiro (1921, p. 722). Recorded as a distinct species in the "Fauna."

² Fowler (1912, p. 257) treats this as synonymous with *N. saphyrina* but Horn (1908, p. 104) regards it as a distinct species. The Museum possesses a single example of *N. boysi*, named by Horn.

³ Cf. Horn (1908, p. 106). Not recorded in the "Fauna."

- cylindrica* Schm.-Goeb. Burma.
- cylindripennis* Chaud. Karen Hills, Burma ; Siam.
- feae* Horn. Rangamati,* Chittagong Hill Tracts, Bengal ; Karen Hills, Burma.
- foveifrons* Horn.¹ Khasi Hills, Assam ; Tonkin, Indo-China.
- fuscitarsis* Schm.-Goeb. Sikhim* ; Singla* (1,500 ft.), Darjiling dist., E. Himalayas ; Assam ; Rangoon and Tharawaddy, Burma ; Moulmein, Tenasserim ; Tonkin, Indo-China ; Malacca ; Java ; Sumatra.
- insignis* Chaud. Sikhim* ; Darjiling, Mungphu,* Pankabari,* Pashok* (2,500 ft.), and Singla* (1,500 ft.), Darjiling dist., E. Himalayas ; Bhutan ; Khasi Hills and above Tura* (3,900 ft.), Garo Hills, Assam ; Burma.
- kollari* Horn. (?) S. India ; Centr. India.
- lesnei* Horn. Karen Hills, Burma.
- linearis* Schm.-Goeb. Assam ; Maymyo and Pegu,* Burma ; Cambodia, Saigon and Tonkin, Indo-China ; Siam.
- linearis* var. *srnkae* Horn. Pegu dist. and Ruby Mines, Burma ; Cambodia, Saigon and Tonkin, Indo-China.
- maindroni* Horn. Wallardi, Travancore ; Nilgiri Hills, Madras Pres.
- moesta* Schm.-Goeb. Burma ; Siam ; Perak,* Malay Peninsula ; Cambodia and Tonkin, Indo-China ; Malacca.
- nilgirica* Fowl. Nilgiri Hills, Madras Pres.
- orichalcina* Horn. Nilgiri Hills, Madras Pres. ; Naga Hills (3,500—5,000 ft.), Assam ; Yunnan, W. China.
- parvula* Chaud. Coonor and Anaimalai Hills (in neighbourhood), and Yercaud,* Shevaroy Hills (3,000—5,000 ft.), Salem dist., Madras Pres. ; Sidapur,* Coorg, S. India ; Castle Rock,* N. Kanara dist. and Belgaum, Bombay Pres. ; Mahe, W coast, India.
- parvula* var. *amoena* Chaud. Castle Rock,* N. Kanara dist. and Belgaum, Bombay Pres.
- planifrons* Horn. Ceylon.
- plicaticollis* Chaud. Ceylon.
- plicicollis* Horn. Nilgiri Hills, Madras Pres.
- plicicollis* var. *subtile-flavescens* Horn.² Shembaganur, Madura dist., Madras Pres.
- punctatella* Chaud. Balangoda, Ceylon.
- redtenbacheri* Horn.³ Mungphu, Singla* (1,500 ft.), Ghumti (1,500—5,000 ft.), and Pashok* (1,000—3,500 ft.), Darjiling dist., E. Himalayas ; Simla and Kousanie* (6,075 ft.), Kumaon, W. Himalayas ; Nepal ; Bhutan ; Pinjore,* Patiala State, Punjab ; Khasi Hills, Naga Hills,* Patkai Hills, Tura* (200—1,500 ft.), and above Tura* (3,000 ft.), Garo Hills, Assam ; Arrakan,* Burma ; Tenasserim.
- roeschkei* Horn. Calcutta, Bengal.
- rubens* Bates. Assam (plains).

¹ Towler (1912, p. 268) apparently doubts the validity of this species. It is included in his volume on Dr. Horn's authority.

² Cf. Horn (1913, p. 4). Not recorded in the "Fauna."

³ Fowler (1912, p. 240) remarks that he is doubtful whether this is a distinct species, or only a variety of *N. attenuata*.

- rufipalpis* Chaud. Assam* ; Karen Hills, Burma ; Cambodia and Tonkin, Indo-China ; Sumatra ; Java.
- saphyrina* Chaud. Pashok* (2,500 ft.), Mungphu,* Darjiling dist., E. Himalayas ; Nepal Valley* (4,500—6,500 ft.), E. Himalayas ; Pedong, Bhutan ; Bengal ; Assam ; N. India.
- sarawakensis* Thoms. Sylhet,* Assam ; Burma ; Sumatra ; Borneo ; Malacca.
- sarawakensis* var. *dohertyi* Horn.¹ Burma ; Sumatra ; Siam ; Malacca.
- saundersi* Chaud. Kandy and Bandarawela and Kandy, Ceylon.
- saundersi* var. *continentalis* Horn. Wallardi, Travancore.
- saundersi* var. *laetior* Horn. Colombo, Kandy,* Korale and Morawak, Ceylon.
- schaumi* Horn. Andaman Is.*
- similis* Lesne. Nilgiri Hills, Madras Pres. ; Assam ; Laos, Indo-China ; Perak, Malay Peninsula.
- smaragdina* Horn. Soom* (4,000—5,000 ft.), Mungphu* and Kurseong,* Darjiling dist., E. Himalayas ; Bhutan.
- smithi* Chaud. (?) Tibet ; Dacca, E. Bengal ; Naga Hills* and Cachar, Assam ; Pegu,* Burma.
- subclavata* Chaud. (?) Kollar dist., Mysore and Nilgiri Hills, Madras Pres. ; Bengal ; Andaman Is.* ; Indo-China.
- subclavata* var. *andamana* Bates. Andaman Is.
- subtilis* Chaud. Palni Hills and Kodaikanal, S. India ; Karen Hills, Burma ; Siam ; Sumatra ; Java.
- subtilis* var. *brachycephala* Horn. Karen Hills, Burma.
- variicornis* Chaud. Upper Teesta Valley* (4,000 ft.), Sitong* (3,800—4,000 ft.), and Singla* (1,500 ft.), Darjiling dist., E. Himalayas ; Tura* (1,200—1,500 ft.), Garo Hills, Sylhet, Khasi Hills, Patkai Hills and Naga Hills, Assam ; Tharawaddy, Burma ; Bukit Besar,* Nawngchik (2,500 ft.), Siamese Malay States.
- variicornis* var. *flavolabiata* Horn. Andaman* and Nicobar Is.*
- variicornis* var. *gestroi* Horn. Karen Hills, Burma ; Tenasserim.
- variitarsis* Chaud. Darjiling, Singla* (1,500 ft.), and Sukna* (500 ft.), Darjiling dist., E. Himalayas ; Nepal ; Bengal ; Tura* (1,200—1,500 ft.), Garo Hills and Dunsiri Valley,* Assam ; Karen Hills and Teinzo, Burma ; Tenasserim ; Tonkin, Indo-China ; Penang.
- variitarsis* var. *brachycephala* Horn. Bhamo, Rangoon and Karen Hills, Burma.

Genus **Tricondyla** Latr. (1822).

- coriacea* Chev. Chilaw,* Kanthalai, Kekirawa, Palatupana and Trincomali, Ceylon.
- cyanea* var. *annulicornis* Schm.-Goeb. Pegu,* Burma ; Tenasserim ; Siam ; Cambodia.
- gestroi* Fleut. Sylhet, Assam ; Karenni (? Karen Hills), Burma ; Tonkin, and Cambodia, Indo-China.
- gounelli* Horn. Ramnad, Madura dist., and Anaimalai Hills (3,500—4,000 ft.), Madras Pres. ; Trivandrum, Travancore.

¹ According to Fowler (1912, p. 269) an examination of further specimens might necessitate the separation of this form as a distinct species.

- gounelli* var. *horni* Mndr. Travancore (mountains) and Trivandrum,*
Travancore.
granulifera Mots. Haragaru and Nalanda, Ceylon.
granulifera var. *rugosa* Chaud. Ceylon.
macrodera Chaud. Sikhim* ; Darjiling,* Mungphu,* Ghumti* (4,000
ft.), Kalimpong* (600—4,500 ft.), Pashok* (2,000—3,000 ft.),
Singla* (1,500 ft.), and Gopaldhara,* Rungbong Valley, Darjiling
dist., E. Himalayas ; Bhutan* ; Tura* (1,500 ft.), and above Tura*
(3,500—3,900 ft.), Garo Hills, Pasighat,* Sadiya dist., Sibsagar,*
and Cachar, Assam ; Tonkin, Indo-China.
mellyi Chaud. Maini Mukh,* Chittagong Hill Tracts, Bengal ; above
Tura* (3,500—3,900 ft.), Garo Hills and Silcurei, Cachar* dist.,
Assam ; Laos and Tonkin, Indo-China.
nigripalpis Horn. Centr. Ceylon.
tuberculata Chaud. Sylhet, Silcurei,* Cachar dist., Assam.

Genus **Derocrania** Chaud. (1860).

- agnes* Horn. Centr. Ceylon.
brevicollis Horn. Trichinopoly, Madras Pres.
concinna Chaud. Kandy,* Ceylon.
flavicornis Horn. Ceylon.
fusiformis Horn. Centr. Ceylon.
gibbiceps Chaud. Centr. Ceylon.
halyi Horn. Ceylon.
honorei Fleut. Ramnad, Madura dist., Trichinopoly and Trichur,
Cochin State, Madras Pres. ; Kodaikanal, Palni Hills, S. India ;
Bombay.
longesulcata Horn. Wallardi, Travancore ; Coonoor, Anaimalai Hills
and Nilgiri Hills (4,500—6,000 ft.), Madras Pres. ; Castle Rock,* N.
Kanara dist., Bombay Pres.
nematodes Schaum. Centr. Ceylon.
nietneri Mots. Balangoda Ridge, Kandy,* Ceylon.
schaumi Horn. Ceylon.
scitiscabra Walk. Kandy,* Ceylon.

Division **PLATYSTERNALIAE**.

Subfamily **THERATINAE**.

Genus **Therates** Latr. (1817).

- chenelli* Bates. Naga Hills (2,000 ft.), Assam ; Karen Hills and N.
Shan States,* Burma.
chenelli var. *concinus* Gestro. Ruby Mines, U. Burma.
dohertyi Horn. Pashok* (5,000 ft.), Darjiling dist., E. Himalayas ;
Patkai Hills, Assam ; Pegu, Burma ; Tenasserim.
dormeri Horn. Patkai Hills, Assam ; Borneo.
gestroi Horn. Khasi Hills and above Tura* (3,500—3,900 ft.), Garo
Hills, Assam ; Lakhon, Lower Siam.

- gestroi* var. *annandalei* Horn. Kurseong* (4,700—5,000 ft.), Ghumti* (4,000 ft.), Pashok* (2,000, 4,000 and 5,000 ft.), Mahanadi (4,120 ft.),* and Kalimpong* (600—4,500 ft.), Darjiling dist., E. Himalayas.
- hennigi* Horn. Khasi Hills and above Tura* (3,900 ft.), Garo Hills, Assam.
- obliquus* Fleut. Pashok* (5,000 ft.), Darjiling dist., E. Himalayas ; Ruby Mines, U. Burma ; Momeit, Yunnan, W. China.
- waagenorum* Horn. Darjiling, E. Himalayas ; Pegu,* Burma ; Tenasserim.*

Subfamily CICINDELINAE.

Genus **Prothyma** Hope (1838).

- belloides* Horn. N. Kanara, Bombay.
- bouvieri* Horn. Maymyo, Burma ; Lakhon, Lower Siam.
- exornata* Schm.-Goeb. Tharawaddy, Pegu,* N. Chin Hills and Karen Hills, Burma ; Annam, Cambodia and Laos, Indo-China.
- feae* Gestro. Bhamo and Teinzo, Burma.
- hennigi* Horn.¹ Khasi Hills, Assam.
- inornata* Horn.² Kulu, Punjab, W. Himalayas ; Assam.
- limbata* Wied. Simla, Punjab and Jhelum Valley,* Kashmir, W. Himalayas ; Calcutta, Bengal.
- paradoxa* Horn. Mahe, W. coast, India ; Pondicherry and Kanara, Madras Pres. ; Trivandrum* and Karunagapalli,* Travancore ; Ceylon.*
- proxima* Chaud. Kurseong, Darjiling dist., E. Himalayas ; Dharwar, U. Provs. ; Ramnad, Kanara, Cocanada and Coimbatore,* Madras Pres. ; Balugaon,* Puri dist., and Cuttack,* Orissa ; Calcutta and Birbhum,* Bengal ; (?) Kathiawar, Bombay Pres. ; Nagpur, Central Provs.
- reconciliatrix* Horn. Dacca,* E. Bengal ; above Tura* (3,500 ft.), Garo Hills, Assam ; Tenasserim.
- schmidt-goebeli* Horn. (?) Bengal ; Gokteik, U. Burma ; Cambodia and Laos, Indo-China.
- scrobiculata* Wied. Maldah, Bengal ; Chota Nagpur, Bihar ; Balasore,* Orissa (sea-coast).

Genus **Heptodonta** Hope (1838).

- arrowi* Horn. Tavoy and N. Chin Hills, Burma.
- eugenia* Chaud. Bet. Yenang-Yaung and Mandalay, Bhamo, Teinzo and Tharawaddy, Burma ; Cochin China ; Siam ; Penang.
- ferrarii* Gestro.³ N. Shan States* and Karen Hills, Burma ; Cambodia, Laos and Tonkin, Indo-China.

¹ To quote Fowler (1912, p. 309) "this is a somewhat abnormal species and ought, perhaps, to be referred to *Heptodonta*." Further material might necessitate the erection of a separate genus for this species.

² Fowler (1912, p. 305) remarks that *P. inornata* and *P. feae* are in all probability subspecies of *P. limbata*.

³ Fowler (1912, p. 312) treats this species as a synonym of *H. pulchella*. See Dover and Ribeiro (1921, p. 723).

- kraatzi* Horn. Darjiling, Mungphu* (3,000—4,000 ft.), Ghumti* (1,500—5,000 ft.), Pashok* (2,000 ft.), and Singla* (1,500 ft.), Darjiling dist., E. Himalayas; Khasi Hills and above Tura* (3,000—3,500 ft.), Garo Hills, Assam.
- nodicollis* Bates. Darjiling, Mungphu,* Pashok* (5,000 ft.), Sureil* (5,000 ft.), above Sureil* (5,500 ft.), Lebong* (6,000 ft.), and Kurseong* (5,000 ft.), Darjiling dist., E. Himalayas; Shillong* (5,500—6,400 ft.), Khasi Hills, Assam; Tonkin, Indo-China.
- pulchella* Hope. Darjiling, Mungphu,* Rungeet Valley* (700—800 ft.), and Gopaldhara,* Rungbong Valley, Darjiling dist., E. Himalayas; Simla, Punjab, W. Himalayas; Nepal; Tura* (1,000—1,200 ft.), Garo Hills, Assam; Karen Hills, Burma; Yunnan, W. China.

Genus **Cicindela** Linn. (1735).

- agnata* Fleut. Kurseong, Darjiling dist., E. Himalayas; Malabar, Ramnad, Madura dist. and Chounambar and Killinour, Pondicherry; (environs), Madras Pres.; Cuttack* (bank of R. Mahanadi), Sur Lake* and Balighai* near Puri, Orissa; Asansol and Berhampur, Murshidabad dist., Bengal; Chakardharpur,* Chota Nagpur, Bihar.
- albina* Wied. Darjiling, E. Himalayas; Balighai* near Puri, Orissa; Asansol, Bengal; Lohardaga,* Chota Nagpur, Bihar; Rawalpindi* (bank of R. Sohan), Punjab.
- albopunctata* Chaud. Sikhim* ; Darjiling, Mungphu, Ghoom* (7,500 ft.), and Kurseong, Darjiling dist., E. Himalayas; Simla* and Kangra Valley* (4,500 ft.), Punjab, W. Himalayas; Soondrijal,* Nepal; Bhutan; Chamusuri, Moradabad and Mussoorie,* U. Provs.; Doiphang Valley,* Darrang dist., Assam-Bhutan Frontier.
- andersoni* Gestro. Karen Hills, N. Chin Hills, and Teinzo, Burma; Cochin China.
- andrewsi* Horn. N. Kanara, Bombay Pres.
- andrewsi* var. *mauritii* Horn.¹ Sidapur,* Coorg, S. India; N. W. Frontier Province.
- andrewesi* var. *unica* Fleut. "Inde" (Fleutiaux); "Ex occidentali meridionali Indiae Orientalis Anticae ora" (Horn); S. W. India.
- angulata* Fabr. Sikhim* ; Mungphu, Pankabari* and Sitong,* Darjiling dist., E. Himalayas; Coromandel, Pondicherry (environs), and Ponear, Madras Pres.; Cuttack* (bank of R. Mahanadi), Orissa; Asansol, Calcutta,* Maldah,* Tetara, Damukdia,* Dacca, Bengal; Chota Nagpur, Bihar; Tura* (1,000 ft.), Garo Hills, Assam; Pegu* and Sittaung R.,* Burma; Karachi, Sind; Hainan; Annam and Cambodia, Indo-China.
- angulata* var. *plumigera* Horn. Mysore, Nilgiri Hills and Trichinopoly, Madras Pres.; Cambodia, Indo-China; Sumatra.
- angulicollis* Horn. Madura, Madras Pres.; Kodaikanal and Tope,* foot of Palni Hills, S. India; Dacca, E. Bengal.

¹ Referred to as a distinct species by Fowler, but we prefer to follow Horn (1915, p. 302) in regarding it as a variety of *andrewesi*.

- assamensis* Parry. Sikhim* ; Darjiling, Mungphu,* Gopaldhara,* Rungbong Valley, Pashok* (2,000 ft.) and Sukna* (500 ft.), Darjiling dist., E. Himalayas ; Tura* (1,200—1,500 ft.), and above Tura* (3,000 ft.), Garo Hills, Sylhet, Sibsagar, Nemotha* and Silcuri,* Cachar, Khasi Hills, Naga Hills* and Patkai Hills, Assam ; Arrakan,* Burma ; Penang.
- atkinsoni* Gestro. Rangoon and Karen Hills, Burma.
- atelesta* Chaud.¹ Mungphu and Kurseong, Darjiling dist., E. Himalayas ; Simla, Punjab, W. Himalayas ; Mysore, Madras Pres. ; Asansol and Calcutta, Bengal ; Chota Nagpur, Nowatoli and Ranchi, Bihar ; Sylhet, Assam ; Surat, Bombay Pres. ; Nagpur, Central Provs.
- aulica* Dej. Karachi,* Sind ; Persia ; Arabia ; Bagdad, Mesopotamia ; Brit. Somaliland ; Benguela ; Senegal ; Abyssinia ; Egypt ; Cape Verde Is. ; Angola ; Tunis ; St. Vincent ; Greece.
- aulica* subsp. *diania* Tsch. Baluchistan ; Sarhad and Bushire,* Persia.
- aurofasciata* Dej. Darjiling, E. Himalayas ; Travancore ; Mysore, Cochin, Ootacamund* (5,000—7,000 ft.), and Coonoor* (6,000 ft.) Nilgiri Hills,* Shimoga and Pondicherry, Madras Pres. ; S. India* ; N. Kanara, Bombay Pres.
- aurofasciata* var. *lepada* Gory. Nilgiri Hills (2,500 ft.), Mysore, Bangalore* and Shimoga, Madras Pres. ; Belgaum and N. Kanara, Bombay Pres.
- aurofasciata* var. *seminigra* Fowl.² India.
- aurovittata* Brullé. Pondicherry and Barkuda Id.,* Madras Pres. ; Calcutta and environs,* Bengal ; Rangoon, Burma ; Ceylon ; Andaman Is.,* Nicobar Is. ; Philippine Is. ; (?) Centr. Japan.
- aurulenta* Fabr. Sikhim ; Mungphu* (3,000—4,000 ft.), Darjiling dist., E. Himalayas ; Chota Nagpur, Bihar ; Karen Hills, Tavoy,* Pegu* and N. Shan States,* Burma ; Tenasserim* ; Ceylon ; Singapore and Hills near Taiping,* Perak, Malay Peninsula ; Sarawak,* Sandakan* and Banguay Id., Borneo ; Java ; Tamansari* (1,600 ft.), Idjen Massip, E. Java ; Tonkin, Cambodia and Macao, Indo-China ; Siam ; Hong Kong ; Sinkep Id.,* off E. coast and Nias Id., Sumatra ; Formosa ; Lombok, E. Indies.
- aurulenta* var. *batesi* Fleut.³ Doiphang Valley,* Darrang dist., Assam-Bhutan Frontier ; Pegu, Burma ; Tonkin, Indo-China ; Formosa.
- aurulenta* var. *flavomaculata* Chevr. Mungphu, Darjiling dist., E. Himalayas ; Pegu, Burma ; Tenasserim ; Tonkin and Macao, Indo-China ; Hong Kong.*
- aurulenta* var. *virgula* Fleut. Sikhim* ; Kurseong, Ghumti* (4,000 ft.), Soom* (2,500—4,000 ft.), Pashok* (2,000 ft.), Singla* (1,500 ft.), Rungpo* (1,400 ft.), Rungeet Valley (100—800 ft.), Mungphu,* and Gopaldhara,* Rungbong Valley, Darjiling dist., E. Himalayas ;

¹ Cf. Horn (1915, p. 294). Fowler (1912, p. 358) treats this as a variety of *imperfecta*.

² Horn, *Genera Insectorum*, 1915, p. 304, seems to give this and the preceding form as synonyms of *aurofasciata*, but we prefer to follow Fowler in regarding them as varieties.

³ Not recorded in the "Fauna." Cf. Fleutiaux, *Ann. Soc. Ent. France*, p. 491, 1893.

Monda,* Nepal Terai; Chitlong,* little Nepal Valley; Bhutan; Buxa,* frontier of E. Bengal; Tura* (1,000—1,400 ft.), and Garobadha,* Garo Hills, Naga Hills,* Sylhet, Sibsagar,* Silonibari,* and Dejoo,* N. Lakhimpur and Shillong* (5,500—6,400 ft.), Khasi Hills,* Assam; Teinzo, Burma; Tonkin and Cambodia, Indo-China; Hong Kong and Shanghai, China; Singapore, Malay Peninsula.

azureocincta Bates. N. Kanara, Bombay Pres.

bellana Horn. Karachi,* Sind; Fao, Persia.

bellana var. *nuda* Horn. Karachi, Sind.

belli Horn. Anaimalai Hills, Madras Pres.; Mahe, W. coast, India; Travancore; N. Kanara and Belgaum, Bombay Pres.

belli var. *umbropolita* Horn.¹ Teppukadu* (2,500—3,000 ft.), Karkur Ghat* (1,500 ft.), Coonoor and Ouchterlony Valley (2,500—5,000 ft.), Nilgiri Hills, Madras Pres.; Sidapur,* Margalli* and Pollibetta,* Coorg, S. India.

bicolor Fabr. Simla, Punjab and Dehra Dun, base of W. Himalayas; Calcutta (environs),* Maldah,* Pubna,* Murshidabad, Berhampur,* Birbhum,* Asansol and Sahibganj, Bengal; Khasi Hills, Assam; Burma.

bicolor var. *atavus* Horn.² N. India (Lashuwala).

bigemina Klug. Darjiling, Pankabari* and Kurseong,* Darjiling dist., E. Himalayas; Siliguri,* base of E. Himalayas; Punjab; Calcutta,* Maldah, Berhampur,* Murshidabad and Sara Ghat,* Bengal; Purneah dist.,* Chakardharpur,* Chota Nagpur, and Hazara,* Sarai Sateh, Bihar; Gwalior, Centr. India; N. Kanara, Bombay Pres.

bigemina var. *brevis* Horn. "India or." (Horn); Rawalpindi* (bank of R. Sohan), Punjab.

bigemina var. *iravaddica* Gestro. Mandalay, Katha, Teinzo and Tharawaddy, Burma.

bigemina var. *procera* Horn. "India or." (Boucard).

biramosa Fabr. Madras, Waltair,* Mandapam,* Madura dist., Chounambar, Pondicherry, Kanara,* Trichinopoly dist., and Pamben,* Madras Pres.; Tuticorin,* Srayikad* and Trivandrum, Travancore; Mahe, W. coast, India; Balighai* near Puri, Chandipore* near Balasore and Puri,* Orissa; Hughli River, Sunderbunds* and Chittagong, Bengal; (?) Assam; Arrakan,* Burma; Tenasserim; Mormugao,* Portuguese India; Trincomali,* Ceylon; Andaman Is.*; Nicobar Is.; Java; China; Malacca.

biramosa var. *contracta* Fleut.³ Rangoon, Burma; Tenasserim.

burmeisteri var. *stoliczkana* Bates. Jhelum,* Kashmir, N. W. Himalayas.

calligramma Schaum. Shimoga, Coimbatore, and Kanara,* Madras Pres.; Trivandrum,* Travancore; Tope,* foot of Palni Hills, S. India; Ceylon.

¹ Fowler in the Fauna gives this variety specific rank, but we prefer to follow Horn (1915, p. 291) in regarding it as a variety of *belli*.

² Not recorded in the "Fauna." Inserted here on the authority of Dr. Horn.

³ Described by Fleutiaux, *Ann. Soc. Ent. France*, 1893, p. 488, and regarded by Horn as a variety. Cf. *Genera Insectorum*, 1915, p. 308.

- cancellata* Dej. Kurseong and Sukna* (500 ft.), Darjiling dist., E. Himalayas; Siliguri,* base of E. Himalayas; Mysore, Trichinopoly, Malabar,* Killinour and Chounambar, Pondicherry and Cheria Id.,* Chilka Lake, Madras Pres.; Quilon* and Tuticorin, Travancore; Puri,* Sur Lake* and Balighai* near Puri, Orissa; Karachi, Sind; Berhampur,* Murshidabad, Asansol and Kunbir, Bengal; Nowatoli, Bihar; N. Kanara and Bombay,* Bombay Pres.; Mahe, W. coast, India; Garobadha,* Garo Hills, Assam; Tharawaddy, Leo* (1,170 ft.), Arrakan* and N. Chin Hills, Burma; Cambodia and Tonkin, Indo-China; Java.
- cancellata* var. *candei* Chevr. Pondicherry, and Trichinopoly, Madras Pres.; Mahe, W. coast, India; Hong Kong.
- cardoni* Fleut. Sikhim; Mysore, Chounambar and Pondicherry, Madras Pres.; Asansol, Bengal; Purulia* and Ghatkuri* (1,200 ft.), Manharpur, Singbhum dist., and Nowatoli,* Chota Nagpur, Bihar; Taloshi* (2,000 ft.), and Medha* (2,200 ft.), Yenna Valley, Satara dist. and N. Kanara, Bombay Pres.; Burma; Chilaw,* Ceylon.
- cariana* Gestro. N. Shan States,* U. Burma.
- catena* Fabr. Darjiling, E. Himalayas; Chatrapur,* Tindivanam, Villapouram, Coromandel, Pondicherry, Barkuda Id.* and Cheria Id.,* Chilka Lake, and Trichur, Cochin State, Madras Pres.; Quilon,* Travancore; Tope,* foot of Palni Hills, S. India; Calcutta,* Bengal; Chota Nagpur and Ranchi,* Bihar; Teinzo, Burma; Bombay; Mahe, W. coast, India; Karachi, Sind; Colombo,* Peradeniya,* Kandy and Matale, Ceylon.
- ceylonensis* Horn. Trincomali and Wellawaya,* Ceylon.
- ceylonensis* var. *diversa* Horn. Damboolla, Ceylon.
- chinensis* De Geer. Simla,* Punjab, W. Himalayas; Tonkin, Indo-China; Korea; Japan; China.*
- chlorida* Chaud. Malabar Coast, Podanur near Coimbatore, Madras Pres.; Tope,* foot of Palni Hills, S. India.
- chloris* Hope. Rungpo* (1,400 ft.), and Rungeet Valley* (700—800 ft.), Darjiling dist., E. Himalayas; Siliguri,* base of E. Himalayas; Gilgit* (4,400 ft.), and Srinagar* (6,000 ft.), Kashmir, W. Himalayas; Soondrijal,* Benikhola* and Kumdhik,* Nepal Terai; Kathgodam* (1,200 ft.), Kumaon, Hathikund* and Jumnagwar,* Ghurwal dist., Amangarh,* Patair,* Boxar,* Kaladhungi, Rudpur,* Bindukhera,* Bijrani,* Horai,* Jalaban* and Kiari,* Naini Tal dist., and Bhogpur,* Bijnor dist., U. Provs.; Rawalpindi* (bank of R. Sohan), Punjab; Mangaldai dist., N. E.,* Assam-Bhutan Frontier.
- chloropleura* Chaud. Pashok* (2,500—3,000 ft.), Kalimpong* (600—4,500 ft.), Rungeet Valley* (700—800 ft.), and Pashok Spur,* Darjiling dist., E. Himalayas; Simla, Punjab, W. Himalayas; Kashmir, N. W. Himalayas; Sylhet, Assam.
- cognata* Wied. Darjiling, E. Himalayas; Madras; Cuttack* (bank of R. Mahanadi), Orissa; Asansol, Berhampur and Goalbathan,* Bengal; Chota Nagpur, Bihar; (?) Cambodia, Indo-China.
- copulata* Schm.-Goeb. Karachi,* Sind.
- corbetti* Horn. Tharawaddy, Burma.

- corticata* Putz. Ramnad, Pondicherry, Mysore, Nilgiri Hills (1,250—3,500 ft.), and Trichinopoly, Madras Pres.; Trivandrum,* Travancore; Mahe, W. coast, India; Tope,* foot of Palni Hills, S. India; Ceylon.
- corticata* var. *laeticolor* Horn. Ceylon.
- crassipalpis* Horn. Podanur near Coimbatore (1,000 ft.), Madras Pres.
- cyanea* Fabr. Sahibganj, Bengal; Palkot,* Chota Nagpur, Bihar.
- cyanea* var. *dejeani* Hope. Berhampur* and Murshidabad, Bengal; Chota Nagpur, Bihar.
- davisoni* Gestro. Thagata, Tenasserim.
- decempunctata* Dej. Murshidabad,* Rajmahal* and Birbhum, Bengal; Assam; Rangoon and Palon, Burma; Cambodia and Tonkin, Indo-China.
- decempunctata* var. *obscure-dilatata* Horn.¹ Delhi and Lahore* (river-side), Punjab.
- delavayi* Fairm.² Mungphu, Darjiling dist., E. Himalayas; Yunnan, W. China.
- delavayi* var. *funeris* Schm.-Goeb. Sikhim*; Mungphu* and Kurseong,* Darjiling dist., E. Himalayas; Punjab; N. E. Frontier, Assam; Naga Hills (4,000 ft.), Assam; Karen Hills, Burma.
- despectata* Horn.³ Tavoy,* Burma; Philippine Is.; Perak,* Malay Peninsula.
- discrepans* Walk. Colombo, Kandy and Nalanda, Ceylon.
- discrepans* var. *lacrymans* Schaum. Kandy,* Ceylon; (?) Nias.
- discreta* Schaum.⁴ Assam; Cambodia; Simalur Id., and Nias Id., Sumatra; Java; 10 miles S. of Kuching* and Kapit,* Sarawak, Borneo; Celebes; Toe-Kang-Besi Is.; Buru, Siberia; Philippine Is.; New Guinea; N. Queensland.
- discreta* var. *reductula* Horn.⁵ Tura* (1,000—1,500 ft.), Garo Hills, Assam; N. Chin Hills, Burma; Sarawak, Borneo; Sumatra; Amboyna, Malay Peninsula.
- dissimilis* var. *singalensis* Horn.⁶ Ceylon.
- distinguenda* Dej. Barkuda Id.,* Lake Chilka, Madras, and Pondicherry, Madras Pres.; Mahe, W coast, India; Ceylon.
- distinguenda* var. *lunulata* Horn. Madras.
- dives* Gory. Sikhim; Mysore, Madras Pres.; Bengal; Belgaum and N. Kanara, Bombay Pres.; Mhow, Centr. India.
- dormeri* Horn. Kandy,* Ceylon.
- dromicoides* Chaud. Darjiling, Ghumti* (4,000 ft.), Mungphu,* Soom to Darjiling (4,500—7,000 ft.), below Sureil* (4,800 ft.), and Kurseong,* Darjiling dist., E. Himalayas; Nepal; Simla, Punjab, Kumaon* and Kousanie* (6,075 ft.), U. Provs., W. Himalayas; Nowatoli and Chota Nagpur, Bihar; Khasi Hills, Assam; Bombay.

¹ Not recorded in the "Fauna." Cf. Horn, 1913, p. 28.

² Cf. Horn, 1915, p. 289 for this species and its variety.

³ Not recorded in the "Fauna." Horn (1915, p. 296) records it doubtfully from Perak, but we have specimens both from Tavoy in Burma and Perak in the Malay Peninsula.

⁴ This species is included here on the authority of Dr. Horn. Cf. Horn, 1915, p. 298.

⁵ Previously known as *reducta*. Cf. Horn, 1915, p. 298.

⁶ Not recorded in the "Fauna." Cf. Horn, 1915, p. 293.

- duponti* Dej. Merchiston* State near Trivandrum, Travancore ; Trichur, Cochin State, Nilgiri Hills, Mysore and Shimoga, Madras Pres. ; Coorg (2,000 ft.), S. India ; Bengal ; Chota Nagpur, Bihar ; Maflong,* Shillong, Cheerapunji,* Nongpriang,* and Maupun,* Khasi Hills, Tura* (1,000—1,400 ft.), Garo Hills, Sylhet and Patkai Hills,* Assam ; Arrakan, Pegu, N. Chin Hills, N. Shan States, Karen Hills and Tharawaddy, Burma ; Talewadi* near Castle Rock, N. Kanara dist., Bombay Pres. ; Mahe, W coast, India ; Annam and Tonkin, Indo-China ; Penang ; Yunnan ; W. China.
- duponti* var. *barmanica* Gestro. Nilgiri Hills,* Madras Pres. ; Coorg* (2,000 ft.), S. India ; Sylhet and N. Manipur, Assam ; N. Shan States,* Karen Hills, Tharawaddy and Pegu,* Burma.
- erudita* Wied. (?) Tenasserim ; Kashmir and Kulu, W Himalayas ; S. India* ; Maldah, Kierpur and Katihar, Purneah dist., Chota Nagpur and Pusa, Bihar ; Agra and Allahabad, U. Provs.
- fabriciana* Horn.¹ N. Kanara, Bombay Pres.
- fastidiosa* Dej. Kurseong, Darjiling dist., E. Himalayas ; Kashmir and W. Himalayas ; Dehra Dun, base of W. Himalayas ; Rawalpindi, Punjab ; Barkuda Id.,* Lake Chilka and Rambha,* Ganjam dist. and Mysore, Madras Pres. ; Nowatoli and Chota Nagpur, Bihar ; Assam* ; Pegu,* Burma ; Mhow, Centr. India ; Trincomali* and Anuradhapura (low country),* Ceylon.
- fleutiauxi* Horn.² Sikhim* ; Singla* (1,500 ft.), Ghumti* (1,500—5,000 ft.), Mungphu,* Gopaldhara,* Rungbong Valley and Kurseong, Darjiling dist., E. Himalayas ; Bengal.
- foveolata* Schaum. Malabar and Teppukadu* (3,000 ft.), Nilgiri Hills, Madras Pres. ; Dacca, E. Bengal ; Tura* (1,200 ft.), Garo Hills, Assam ; Karen Hills, Maymyo,* Teinzo and Tharawaddy, Burma ; Tonkin, Indo-China ; Celebes ; Sumatra ; Philippine Is.
- fuliginosa* Dej. Bhamo, Pegu* and Teinzo, Burma ; Ceylon ; Malay States ; Java ; Shanghai, China ; Borneo* ; (?) Banka, E. Indies ; Sumatra ; Laos and Cambodia, Indo-China ; Malacca.
- funerea* McLeay. Sikhim ; Darjiling, Gopaldhara,* Rungbong Valley, Mungphu, Pankabari, Kalimpong* (600—4,500 ft.), Singla* (1,500 ft.), Kurseong, Rungeet Valley* (700—800 ft.), Rungpo* (900 ft.), and Sukna,* Darjiling dist., E. Himalayas ; Soondrijal,* Nepal ; Simla, Punjab, W. Himalayas ; Mysore, Madras Pres. ; Barway, W. Bengal ; Sibsagar, Sylhet and Tura* (1,000 ft.), Garo Hills, Assam ; Doiphang Valley,* Darrang dist., Assam-Bhutan Frontier ; Allanmyo, N. Shan States,* Pegu,* Sadon* (5,000 ft.), Teinzo and Tharawaddy, Burma ; Tenasserim ; Poona, Bombay Pres. ; Ghatkuri* (1,200 ft.), Manharpur, Singbhum dist., Bihar* ; Hainan ; Lampam,* Patalung, Siam ; Perak,* Malay Peninsula ; Java* ; Sumatra ; Celebes ; Annam, Indo-China.
- ganglbaueri* Horn. Ceylon.

¹ Horn (1915, p. 303) gives this as a new name for *fabricii* Horn. Cf. Fowler, 1912, p. 403.

² Horn (1915, p. 303) gives this as a new name for *oberthuri* Fleutiaux. Cf. Fowler, 1912, p. 380.

- germanica* var. *kirilovi* Fisch.¹ Gilgit* (5,000 ft.), Kashmir, N. W. Himalayas ; Persia (up to Sarhad and Seistan in the south-east) ; Turkestan ; Kolyvan dist., Siberia ; Altai Mts., Mongolia ; Transcaspia.
- grammophora* Chaud. Mahanadi,* Darjiling dist., E. Himalayas ; Calcutta and environs,* Maldah,* Sara Ghat,* Damukdia,* Goalbathan* and Asansol, Bengal ; Katihar,* Purneah dist., Chota Nagpur, Pusa,* and Siripur,* Saran, Bihar ; Kaladhungi,* Naini Tal dist., U. Provs.
- guttata* Wied. Dehra Dun, base of W. Himalayas ; Shimoga and Ganjam, Madras Pres. ; Chapra,* Ranchi* and Lohardaga,* Bihar.
- gyllenhali* Dej. Bandra and Bassein, Bombay Pres. ; Karachi,* Sind ; E. Indies* (British Museum).
- haemorrhoidalis* Wied. Trivandrum, Travancore ; Nilgiri Hills, Mysore, Karkur Ghat, Malabar, Barkuda Id.* and Gantasila,* Lake Chilka, Madras Pres. ; Coorg, S. India ; Angul* and Barkul* (0—1,000 ft.), Orissa ; Calcutta, Bengal ; Ranchi and Lohardaga,* Bihar ; Sib-sagar,* N. E. Assam ; N. Kanara, Bombay Pres. ; Jubbulpore,* Centr. Provs. ; Rawalpindi,* Punjab ; Wellawaya,* Ceylon ; Canton,* China.
- haemorrhoidalis* var. *xanthospilota* Hope. Madras.
- hamiltoniana* Thoms. Nadgani,* Malabar, Mysore and Nilgiri Hills,* Madras Pres. ; Merchiston State* near Trivandrum, Travancore ; Pollibetta,* Coorg, S. India.
- helpferi* Schaum.² (?) Burma.
- histrion* Tsch. Karachi and Manora, Sind ; Khorassan, Seistan and Bampur, Persia.
- holosericea* Fabr. Asansol, Bengal ; Nowatoli, Chota Nagpur, Bihar ; Khasi Hills, Assam ; Karen Hills, Burma ; Java ; Sumatra ; Philippines.
- humillima* Gestro. Bhamo, Katha, Rangoon,* Shwegoo, Teinzo and Tharawaddy, Burma.
- indica* Fleut. Bombay.
- intermedia* Chaud. Jhelum Valley,* Kashmir, N. Punjab to Simla and Kumaon, W. Himalayas ; Kathgodam* (1,200 ft.), and Kousanie* (6,075 ft.), U. Provs. ; Assam.
- interrupto-fasciata* Schm.-Goeb. Teinzo, Ruby Mines and Maymyo, Burma ; Tonkin, Laos and Cambodia, Indo-China ; Hong Kong.
- kalea* Bates.³ (?) Sikkim ; Assam ; Kiachou and Yunnan, China ; Formosa* ; Tonkin, Indo-China.
- lacunosa* Putz. Habarane* and Puttalam, Ceylon.
- lefroyi* Horn. Chapra and Pusa, Bihar.

¹ Horn (1915, p. 346) records this variety from Barkul. Now, as Barkul is in the Puri district of Orissa and is situated in south-east India we doubt this distribution, since the variety has been taken only in the north-west of India and is more especially known from central and south-western Asia.

² Horn, 1915, p. 309 regards *C. limbata* as a synonym of *C. helpferi* and doubtfully records its locality.

³ Included on the authority of Dr. Horn. Cf. Horn, 1915, p. 298.

- leucoloma* Chaud. Simla, Punjab, W. Himalayas ; (?) Ceylon ; " India " or " East India " ; N. India.
- limosa* Saund. Mungphu,* Darjiling dist., E. Himalayas ; Chandipore* near Balasore, Orissa ; Durgapur* (salt lakes) near Calcutta, Bengal ; Pegu,* Burma ; Ceylon ; Andaman* and Nicobar Is., Chusan Is.
- lunulata* Fabr. Nushki dist.,* W. Baluchistan ; Bagdad, Mesopotamia ; Caucasus ; S. Russia ; Lybia ; Abyssinia ; Morocco ; Corsica and Lampedusa Is., Italy ; Peking, China.
- lunulata* var. *nemoralis* Oliv. Perso-Baluch Frontier* ; Pamir ; Centr. Mongolia ; Seistan ; Turkestan ; Persia ; Syria ; Sinai ; Palestine ; Suez ; Islands of Rhodes, Crete, Cyprus, Malta, Elba, Sicily and (?) Sardinia ; Italy ; S. Europe.
- maindroni* Horn. Kiamari Id., Bombay Pres. ; Karachi,* Sind ; Baluchistan.
- malabarica* Maind. and Fleut. Mahe, W coast, India.
- mariae* Gestro. N. Chin Hills, Tharawaddy, Taung-ngu, Pegu,* Rangoon, and Karen Hills, Burma ; Tenasserim.
- melancholica* Fabr. Kalka* (2,400 ft.), base of Simla Hills, W. Himalayas ; Kaladhungi,* Naini Tal dist., U. Provs. ; Ambala,* Punjab ; Bengal ; Pusa,* Bihar ; Nagpur, Central Provs. ; Bandra, Bombay Pres. ; Karachi, Sind ; Bushire,* Persia ; Anatolia, Rhodes, Syria to Arabia, Caucasus to Turkestan ; the Islands of Cape Verde, Crete, Sicily, Sardinia, Fernando Po, Principe, St. Thomas, Annabon, (?) Comoro and Cephalonia, Greece ; the whole continent of Africa.
- minuta* Oliv. Darjiling and Pashok* (1,000 ft.), Darjiling dist., E. Himalayas ; Trichur, Cochin State and Pondicherry, Madras Pres. ; Cuttack (bank of R. Mahanadi), and Dhaul,* Puri dist.,* Orissa ; Calcutta,* Dacca, Berhampore and Maldah,* Bengal ; Chakardharpur,* Chota Nagpur, Chapra, and Pusa,* Bihar ; Garobadha* and Tura* (1,000 ft.), Garo Hills, Assam ; Pegu* and Tharawaddy, Burma ; Myawadi* (900 ft.), Burmo-Siamese Frontier, Amherst dist. ; Patan* (2,050 ft.), Koyna Valley, Satara dist., Bombay Pres. ; Mahe, W. coast, India ; Delhi,* Punjab ; Sumbawa, Sumatra ; Perak,* Malay Peninsula ; Tonkin, Indo-China ; Borneo ; Java ; China ; Philippines.
- motschulskyana* Horn.¹ N. Kanara, Bombay Pres.
- mouhoti* var. *anometallescens* Horn. Maymyo and Ruby Mines, Burma ; Momeit, Yunnan, W. China.
- mouhoti* var. *bramani* Dokht. Pegu, Burma ; Lukhon, Siam ; Laos and Tonkin, Indo-China ; China (proper).
- mouhoti* var. *cariana* Gestro. N. Shan States and Karen Hills, Burma ; Tenasserim.
- mouhoti* var. *goebeli* Horn. Bhamo, Rangoon and Teinzo, Burma.
- multiguttata* Dej. Nepal ; Calcutta,* Asansol and Sara Ghat,* Bengal ; Patkai Hills, Assam.
- mutata* Fleut. Bhamo, Pegu, Teinzo and Tharawaddy, Burma ; Tonkin, Indo-China.

¹ Horn (1915, p. 289) gives this as a new name for *motschulskyi*. Cf. Fowler, 1912, p. 342.

- nietneri* Horn. Ceylon.
- nitida* Wied. Darjiling and Kurseong, Darjiling dist., E. Himalayas ; Bhutan ; Pondicherry and Ramnad, Madras Pres. ; Cuttack* (bank of R. Mahanadi), Orissa ; Berhampur* (bank of R. Bhagarati), Calcutta,* Maldah,* Sara Ghat,* Rajmahal,* Asansol and Juggenathgunge* (R. Brahmaputra), Bengal ; Kaladhungi,* Naini Tal dist., U. Provs. ; Chota Nagpur, Bihar ; Pegu,* Burma ; Karachi, Sind ; Cambodia, Indo-China.
- octogramma* Chaud. Dharhar, Bengal ; Dinapur, Bihar ; Kangra Valley, Punjab ; Yunnan, W. China.
- octonotata* Wied. Darjiling,* Pankabari* and Sukna* (500 ft.), Darjiling dist., E. Himalayas ; Simla, Punjab, W. Himalayas ; Agra, U. Provs. ; Asansol, Dacca, Maldah,* Murshidabad and Miani Mukh* (at junction of Miani and Kassalong Rivers), Chittagong Hill Tracts, Bengal ; Pusa,* Bihar ; Tura* (1,200 ft.), and Garobadha,* Garo Hills, Khasi Hills, Lushai Hills,* Sylhet and Sib-sagar,* Assam ; Jamayi, Pegu* and Tharawaddy, Burma.
- ornata* Fleut. Karachi,* Sind.
- phalangioides* Schm.-Goeb. N. Chin Hills, Karen Hills, Pegu* and Teinzo, Burma.
- princeps* Vig. "Indien," Surada (Ganjam) [Horn] ; (?) Madras ; Centr. India.
- princeps* var. *ducalis* Horn. Palkot,* Chota Nagpur, Bihar.
- prothymoides* Horn. Karkur Ghat, Malabar, Madras Pres.
- quadrilineata* Fabr. Chounambar, Madras Pres. ; Chandipore* near Bala-sore, Orissa sea-coast ; Sunderbunds, Gangetic delta and Channel Creek* near Mud Point, Bengal ; Arrakan, Burma ; Tenasserim ; Dabhol,* Koltharen* and Harni,* Ratnagiri dist., Bombay Pres. ; Cacara Bay,* Portuguese India ; Baluchistan ; Manofa, Karachi, Sind ; Ceylon to North India.
- quadrilineata* var. *renei* Horn. Trichinopoly and Pamben,* Madras Pres. ; Karachi, Sind ; Baluchistan ; Ceylon.
- rugosiceps* Chaud. Nilgiri Hills, Ramnad, Pillar, Mysore and Coonoor (2,500—3,500 ft.), Madras Pres.
- seriepunctata* Horn. Kalimpong* (600—4,500 ft.), Pashok* (2,000 ft.), Singla* (1,500 ft.), Rungeet Valley* (700—800 ft.), and Kurseong, Darjiling dist., E. Himalayas ; N. Bengal.
- sexpunctata* Fabr. Sikhim* ; Mungphu, Darjiling dist., E. Himalayas ; Raxaul,* Nepal Frontier ; Gilgit,* Kashmir, N. W. Himalayas ; Bangalore* and Shimoga, Madras Pres. ; Coorg, S. India* ; Calcutta* and environs,* Sunderbunds, Diamond Harbour,* Bosondhar, Berhampur, Birbhum, Raniganj,* Damukdia,* Maldah,* Alipur Duars,* Sara Ghat,* Khargpur* and Basanti,* Bengal ; Purneah, Ranchi,* Champaran,* and Chota Nagpur, Bihar ; Sadiya,* and Shillong,* Assam ; Rangoon,* Pegu, Sittaung River, Arrakan,* delta of the Irrawaddy,* Kawkareik* and Farm Caves* near Moulmein, Burma ; Bombay ; Mahe, W. coast, India ; Wellawaya* and Peradeniya,* Ceylon ; Andamans ; Siam ; (?) Java ; Annam to Hong Kong ; E. Indies* ; Cambodia, Indo-China ; Formosa ; Philippines ; Senegal and Cameroon, Africa.

- shivah* Parry. Nepal ; N. Kanara, Bombay Pres. ; (?) Assam.
- sinica* Fleut. Taik-gyi, Pegu, Burma ; Saigon and Chiem Hoa, Tonkin, Indo-China ; Bangkok, Siam ; Java ; Hong Kong.
- spinolae* Gestro. Darjiling, Pashok* (1,000, 2,000 and 5,000 ft.), Singla* (1,500 ft.), Rúngeet Valley* (700—800 ft.), and Sukna* (500 ft.), Darjiling dist., E. Himalayas ; Dehra Dun, W. Himalayas ; Asansol, Dacca and Rangamati,* Chittagong Hill Tracts, Bengal ; Sylhet, Patkai Hills and Tura* (1,000—1,500 ft.), Garo Hills, Assam ; N. Chin Hills, Bhamo, Teinzo, Tharawaddy, Karen Hills, Ruby Mines, and Rangoon, Burma ; Tenasserim ; Chota Nagpur, Bihar ; Tonkin, Indo-China ; Momeit, Yunnan, W. China.
- striatifrons* Chaud. Murshidabad* and Berhampur,* Bengal ; N. Kanara, Bombay Pres.
- striolata* Ill. Mungphu* Soom* (3,000—3,500 ft.), and Pashok* (3,000 ft.), Darjiling dist., E. Himalayas ; Dehra Dun, base of W. Himalayas ; Trivandrum,* Travancore ; Nilgiri Hills and Kanara,* Madras Pres. ; Pollibetta* and Coorg, S. India ; Calcutta, Maldah* and Rangamati,* Chittagong Hill Tracts, Bengal ; Khasi Hills, Assam ; Pegu,* Teinzo and Tharawaddy, Burma ; Tenasserim ; Chota Nagpur, Bihar ; Mahe, W. coast, India ; Tonkin, Indo-China ; Singtau, China ; Java ; Borneo ; Sumatra ; Celebes ; Formosa ; Philippines.
- striolata* var. *lineifrons* Chaud. Dehra Dun, base of W. Himalayas ; Nilgiri Hills, Madras Pres. ; above Tura* (2,500 ft.), Garo Hills, Assam ; N. Chin Hills, Karen Hills, Pegu,* Teinzo and Tharawaddy, Burma ; Tenasserim ; Perak, Malay Peninsula ; Cambodia and Tonkin, Indo-China.
- striolata* var. *parvimaclata* Fowl.¹ (?) Darjiling, E. Himalayas.
- sublacerata* var. *balucha* Bates. Skardo, Kashmir, N. W. Himalayas ; Baluchistan ; Perso-Baluch Frontier* ; Caucasus ; Armenia ; Transcaspia ; Turkestan (to Ferghana and the Pamirs).
- sumatrensis* Hbst. Siliguri,* base of E. Himalayas ; Kumdhik, Maho,* Nepal Terai ; Kashmir, N. W. Himalayas ; Trivandrum, Travancore,* Telicherry, Pondicherry, Barkuda Id.* and Cheria Id.,* Lake Chilka, Madras Pres. ; Cuttack,* Orissa ; Calcutta,* Damukdia,* Maldah and River Ganges, Bengal ; Bhamo, N. Chin Hills, Pegu, Tavoy, Teinzo and Tharawaddy, Burma ; Tura* (1,000 ft.), Garo Hills, Assam ; Chakardharpur,* Singbhum dist. (base of hills), Chota Nagpur, Ranchi and Purulia,* Bihar ; Patan* (2,050 ft.), Koyna Valley, Satara dist., and Khandesh, Bombay Pres. ; Mahe, W. coast, India ; Cacara Bay,* Portuguese India ; Bhogpur,* Bijnor dist., U. Provs. ; Karachi, Sind ; Ceylon ; Hainan, Quang-Tang and Yunnan, China ; Central China* ; Perak, Malay Peninsula ; (?) Java ; Borneo ; Japan ; Formosa ; Sumbawa. E. Indies ; Sumatra ; Philippines ; Sinkep Id.*
- sumatrensis* var. *imperfecta* Horn. Mussoorie,* W. Himalayas ; Forest Tramway, mile 10—14* (0—300 ft.), Cochin State, Shimoga and

¹ Horn (1915, p. 305) classes this as a separate species but we prefer for the present to follow Fowler in regarding it as a variety.

- Mysore, Madras Pres. ; Ranchi,* Bihar ; Castle Rock,* N. Kanara dist., Pimpli,* Vashishti Valley (100 ft.), Ratnagiri dist., and Medha* (2,200 ft.), Yenna Valley, Helvak* (2,000 ft.), Taloshi* (2,000 ft.), Patan* (2,050 ft.), Koyna Valley, Satara dist., and Surat,* Bombay Pres. ; Jubbulpore,* Centr. Provs.
- tetragrammica* Chaud. Anaimalai Hills* (3,000—4,000 ft.), Malabar Coast, Nilgiri Hills, Ramnad, Shembaganur and Trichinopoly, Madras Pres. ; Pykara (6,000 ft.), Coorg, S. India ; S. Bombay.
- tetrastacta* Wied. Ganjam, Gantasila* and Barkuda Id.,* Lake Chilka, Madras Pres. ; Asansol, Birbhum,* Calcutta,* River Ganges,* Bengal ; Nowatoli and Chota Nagpur,* Bihar ; Dharwar, Bombay Pres.
- triguttata* Hbst. Darjiling dist. (600—4,500 ft.), and Kalimpong* (600—4,500 ft.), E. Himalayas ; Siliguri,* base of E. Himalayas ; Dehra Dun, base of W. Himalayas ; Calcutta* and Rangamati,* Chittagong Hill Tracts, Bengal ; Tura* (1,300 ft.), Garo Hills, Assam ; Bhamo, Karen Hills, Pegu,* Taung-ngu, Teinzo and Tharawaddy, Burma ; Tenasserim ; Hong Kong and Shanghai, China ; Sumbawa, E. Indies ; Borneo ; Sumatra ; Tonkin, Indo-China ; Singapore ; Malay Archipelago ; Celebes ; Philippines.
- tritoma* Schm.-Goeb. Karen Hills and Pegu, Burma.
- undulata* Dej.¹ Barkuda Id.,* Gopkuda Id.* and Samal Id.,* Lake Chilka, Mysore and Ramnad, Madras Pres. ; Balugaon,* Puri dist., Orissa ; Asansol, Calcutta,* Dacca, and Maldah* Bengal ; Nowatoli and Lohardaga,* Bihar ; Sylhet, Assam ; Gulistan,* Baluchistan ; Mahe, W coast, India ; Gwalior, Centr. India ; Allahabad, U. Provs. ; Ceylon ; Hong Kong ; Perak, Malay Peninsula.
- undulata* var. *dubia* Horn. Singla* (1,500 ft.), and Darjiling, Darjiling dist., E. Himalayas ; N. Assam ; Pakokku* (180 ft.), Mandalay, and Myingyan,* Burma.
- venosa* Koll. Kurseong and Darjiling, E. Himalayas ; Kashmir, N. W. Himalayas ; Bhutan ; Pondhicherry and Ramnad, Madras Pres. ; Cuttack, Orissa ; Berhampur, Calcutta, Maldah, Rajmahal and Sara Ghat, Bengal ; Pegu, and Hmawbi,* Burma ; Patna dist. and Chota Nagpur, Bihar ; Karachi, Sind ; Kaladhungi, U. Provs. ; Cambodia, Indo-China.
- venus* Horn. Nadgani, Malabar and Nilgiri Hills, Madras Pres.
- venus* var. *stuprata* Horn.² Travancore.
- vigintiguttata* Hbst. Sikkim ; Kurseong* (5,000 ft.), Mungphu* (3,000—4,000 ft.), and Pankabari,* Darjiling dist., E. Himalayas ; Bhutan* ; Barkul,* Puri dist., Orissa ; Berhampur,* Birbhum,* Dacca, Damukdia Ghat,* Murshidabad,* Rajmahal* and Sara Ghat,* Bengal.
- viridicineta* Horn. Dehra Dun, base of W. Himalayas ; Mysore, Kanara and Nilgiri Hills (3,000 ft.), Madras Pres. ; Pollibetta,* Coorg, S. India ; Chota Nagpur, Bihar.

¹ Cf. Annandale and Dover (1921, p. 336) and Dover and Ribeiro (1921, p. 724),

² Not recorded in the Fauna. Cf. Horn (1915, p. 287).

- viridilabris* Chaud. Kalka* (2,400 ft.), and Simla, Punjab, W. Himalayas; Bengal; Pusa,* Bihar; East Indies.
- viridilabris* var. *fallaciosa* Horn. Karen Hills and Teinzo, Burma.
- viridilabris* var. *fusco-cuprascens* Horn. Nilgiri Hills (1,250 ft.), and Trichinopoly, Madras Pres.
- viridilabris* var. *labioaenea* Horn. Colombo, Kandy,* Negombo, Pattalam and Peradeniya, Ceylon.
- viridilabris* var. *severini* Horn. Travancore and Nilgiri Hills* (3,000 ft.); Madras Pres.; Pollibetta,* Coorg, S. India; Bengal; Teinzo, Burma; Mahe, W. coast, India; Chota Nagpur, Bihar; Tonkin, Indo-China.
- vittigera* Dej. Berhampur, Calcutta, Dacca, Damukdia Ghat,* Goalbathan* and Maldah,* Bengal.
- waterhousei* Horn. Ceylon.
- westermanni* Schaum. Coromandel, Madras and Tranquebar, Madras Pres.
- withilli* Hope. Trichur, Cochin State, Anaimalai Hills (3,000—4,000 ft.), Coonoor (environs), N. Malabar,* Nilgiri Hills,* Ootacamund, and Wyanaad, Madras Pres.; Wallardi, Travancore; Mahe, W. coast, India; Talewadi* near Castle Rock, N. Kanara dist., Belgaum, Khanapur and Poona,* Bombay Pres.; Tharawaddy, Burma.
- willeyi* Horn. Central Provinces, Ceylon.

Genus **Apteroessa** Hope (1838).

- grossa* Fabr. Tranquebar, Coromandel Coast, Madras Pres.

Subfamily MEGACEPHALINAE.

Genus **Megacephala** Latr. (1802).

- euphratica* Dej. Karachi, Sind; Persia; R. Euphrates, Mesopotamia; Sinai; (?) Syria; Caucasus; Andalusia; Gulf of Tadjura; Cyprus; Rhodes; Cartagena; Egypt and Algeria to Tripoli, Africa.
- euphratica* var. *armeniaca* Cast.¹ Agra, U. Provs.*; Afghan-Baluch Frontier*; Armenia and Transcaspia to Amu Daria; Seistan,* Persia.

¹ It is also found in the same localities as the above specie.