

Didolonycha fulgida.
Saprinus lugens.
Lachnosterna errans.
Cincindella oregona.
Cincindella obliquata.
Haltica bimarginata.
Chalcophaga angulicollis.
Podabrus comei.

Silpha lapponica.
Necrophorus melschmeri.
Meloe montanus.
Geoderces melanothrix.
Cleonus 4 lineata.
Rhagium lineatuna.
Leptura laetifica.
Ellychnia californica.

A TRIP UP MOUNT CHEAM.

By A. H. BUSH.

Mount Cheam stands on the south bank of the Fraser River, overlooking Agassiz. It is a beautiful mountain and an ideal collecting-ground, both from an entomological and botanical standpoint. It takes the greater part of a day to reach timber limit, where a fine choice of camping-grounds await the weary climber. Starting from the Fraser River, we pass through some heavy timber and dense underbrush which is characteristic of this district. The maidenhair fern (*Adiantum pedatum*) and deer-grass (*Achlys triphila*) grow here in great profusion. Some distance up the side of the mountain the underbrush gradually thins out and the character of the timber changes. At 4,000 feet we have lost the Douglas fir and cedar, the white fir and hemlock taking their places. Between 5,000 and 6,000 feet up we pass many open glades, and here the first alpine flowers are encountered. We pass knee-deep through the large mountain-musk (*Mimulus lewisii*) and patches of heather, and so up through these park-like hillsides we climb till we reach the ridge, when the splendid beauty of the mountain bursts on our view.

To the south, west, and east stretch meadows and rolling hillsides, a blaze of colour with flowers of many kinds. Over these meadows tower the rock and snow peaks of "The Lady" and "The Angel." Here we pitch camp convenient to some stream or snow-bank. Close to and occasionally forcing their way through these snow-banks, we find the glacial lilies with their beautiful golden flowers, amidst, possibly, various patches of red snow. This later phenomenon is caused by a microscopic fungus which gives the snow a pink or blood-red appearance. In the wet hollows, formed by melting snow, the ground is covered with a carpet of buttercups. All colours of flowers are to be seen, for on the hillsides the white valerian, the red painter's-brush, and the blue lupines form the most conspicuous colours. In passing along the hillside we notice a plant 3 or 4 feet high with large green leaves and a spike of bright-green flowers. This is called "*Veratrum viride*." We see, again, acres of mountain-blueberry only a few inches high, and on the ridges masses of the light-purple phlox, spiræa, and rock roses. At our feet we may find the Arctic willow, which rises only 3 or 4 inches from the ground.

At the summit of the mountain, which is formed of broken slate, we see thousands of ladybirds in the cracks of the rocks. Why they should congregate thus on a mountain-peak awaits explanation. Here also many butterflies are seen—"painted-ladies," white argynnis, "chequer-spots," *Vanessas*, *Erebias*, various "blues," and occasionally some rare tiger-moths such as *Neocretia yarrowii* and *N. brucei*. The moths are well represented on the mountain. Many Noctuids have been taken, which all appear to fly in the daytime, no doubt on account of the cold nights. Bees and wasps are very plentiful, and the flowers of the mountain-ash form a fine banqueting-hall for flies and beetles.

Looking down into the valley, we see the districts surrounding Agassiz and Chilliwack spread out like a chequer-board, with the river like a silver ribbon flowing along. Beyond Agassiz, Harrison Lake can be seen for forty miles of its course, with "Fire" Mountain at its head. To the south the majestic summit of Mount Baker, covered with its eternal snow-cap, greets the eye; and this is the scene before us

as we lie around the camp-fire in the eternal stillness, thinking of the glare and noise of the city streets, and so concluding that it is good for us to be here.

In conclusion, I wish to record the occurrence of several beetles that I have had in my collection for several years.

The following insects have been identified by Dr. E. C. van Dyke, of Berkeley University, California, from specimens collected in British Columbia:—

- (2.) *Omus dejeani*, ReidVancouver, April 20th, 1902.
- (33A.) *Cicindela oregona*, Lec. (var.)Stikine, 1904.
- (106.) *Cychrus tuberculatus*, Harr.Nicomen, Sept. 12th, 1903.
- (92.) *Scaphinatus (Cychrus) angusticollis*, Fisch Stikine, 1904.
- (96.) *Scaphinatus (Cychrus) marginatus*, Fisch Stikine, 1904.
- (172.) *Opisthius richardsoni*, KirbyStikine, 1904.
- (188.) *Nebria metallica*, Fisch.
- (508.) *Pterostichus amethystinus*, Dej.Vancouver, April 26th, 1903.
- (671.) *Amara farcata*, Lec. (var.)Vancouver, April 26th, 1902.
- (658.) *Amara littoralis*, Mann.
- (682?) *Amara subænea*, Lec.Mount Cheam, Aug. 11th, 1903.
- (1484.) *Dytiscus marginicollis*, Lec.
- (1706.) *Silpha lapponica*, Hbst.Cherry Creek, July 12th, 1903.
- (1472.) *Colymbetes strigatus*, Lec.Mount Cheam, Aug. 10th, 1903.
- (1492.) *Acilius semieulcatus*, Aube.Mount Cheam, Aug. 10th, 1903.
- (1701A.) *Necrophorus melsheimeri*, KirbyVancouver, Aug. 17th, 1903.
- (1715.) *Necrophilus hydrophiloides*, MannVancouver, May 14th, 1903.
- (2119.) *Oreophilus villosus*, Grav.Vancouver, May 7th, 1904.
- (2116.) *Listrotrophus cingulatus*, Grav.
- (2140.) *Staphylinus rutilicanda*, Horn.
- (3848.) *Peltis pippingskoeldi*, MannN. Vancouver, April 27th, 1902.
- (3850.) *Calitys scabra*, Thub.Vancouver, June 7th, 1903.
- (3984.) *Aræopus monachus*, Lec.Vancouver, May 8th, 1902.
- (3316A.) *Cucujus puniceus*, MannVancouver, May 23rd, 1905.
- (3891.) *Byrrhus geminatus*, Lec. (?)Vancouver, June 15th, 1904.
- (3080.) *Chilocorus bivulvurus*, Muls.
- (3041.) *Hippodamia 5-signata*, KirbyRevelstoke, July 29th, 1904.
- (3049.) *Hippodamia sinuata* (var.)Vancouver, May 17th, 1909.
- (3050.) *Hippodamia 13-punctata*, Linn.Vancouver, Sept. 20th, 1905.
- (3060.) *Coccinella monticola*, Muls.Cherry Creek, July 12th, 1903.
- (3059.) *Coccinella transversoguttata*, Fab.Revelstoke, July 21st, 1904.
- (3056.) *Coccinella trifasciata*, Linn.Vancouver, April 20th, 1903.
- (3064.) *Coccinella sanguinea*, Linn.Vancouver, April 20th, 1903.
- (2802.) *Tilea cavicollis*, F.
- (4095.) *Alaus melanops*, Lec.
- (4077.) *Adelocera rorulenta*, Lec.Vancouver, May 17th, 1906.
- (4485.) *Corymbites suckleyi*, Lec.Vancouver, May 25th, 1908.
- (4486.) *Corymbites aeripennis*, KirbyN. Vancouver, April 27th, 1902.
- (4484.) *Corymbites cruciatus*, Linn.Vancouver, May 8th, 1902.
- (4433.) *Corymbites resplendens*, Esch.
- (4470.) *Corymbites angusticollis*, MannVancouver, May 13th, 1904.
- (4452.) *Corymbites Monticola*, HornVancouver, May 3rd, 1902.
- (4446.) *Corymbites volitans* var. *umbricola*, Esch.Grouse Mtn, June 26th, 1903.
- (4297.) *Dolopius lateralis*, Esch.Vancouver, March 29th, 1903.
- (4245.) *Elater apicatus*, SayVancouver, April 12th, 1903.
- *Elater phœnicopterus*, Germ.Vancouver, May 3rd, 1903.
- (4784.) *Eros hamatus*, MannVancouver, May 13th, 1904.
- (4814.) *Ellychnia californica*, Mots.Vancouver, May 25th, 1902.
- (4956.) *Telephorus divisus*, Lec.Vancouver, April 26th, 1902.
- (5178.) *Enoclerus sphegeus* Fab.Vancouver, May 29th, 1904.

- (4568.) *Chalcophora angulicollis*, Lec.
 (5158.) *Trichodea ornatus*, Say N. Vancouver, July 19th, 1903.
 (4610.) *Buprestis aurulenta*, Linn.
 (4607.) *Buprestis fasciata*, Fab. Hope, Aug. 21st, 1903.
 (4607A.) *Buprestis fasciata* var. *langii*, Mann Vancouver, June 28th, 1903.
 (4606B.) *Buprestis rusticorum*, Kirby.
 (4646.) *Chrysobothris carinipennis*, Lec. Kaslo, July 25th, 1904.
 (4621.) *Melanophila drummondi*, Kirby (var.) Cherry Creek, July 12th, 1903.
 (4619.) *Melanophila acuminata*, De Geer Vancouver, July 8th, 1903.
 (5417.) *Platycerus oregonensis*, West Vancouver, May 21st, 1903.
 (5421.) *Cernuchus striatus*, Lec.
 (5423.) *Sinodendron rugosum*, Mann.
 (5594.) *Odontaeus obesus*, Lec.
 (5686.) *Serica anthracina*, Lec. Revelstoke, July 29th, 1904.
 (5537.) *Aphodius pardalis*, Lec. Revelstoke, Oct. 29th, 1903.
 (5948.) *Spondylis upiformis*, Mann Stikine, 1904.
 (5967.) *Tragosoma harrisii*, Lec.
 (5974.) *Criocephalus productus*, Lec. Vancouver, Aug. 1st, 1905.
 (5992.) *Hylotrupes ligneus*, Fab. Vancouver, April 10th, 1904.
 (6002.) *Phymatodes dimidiatus*, Kirby Stikine, 1904.
 (6183.) *Xylotrechus undulatus*, Say Vancouver, July 18th, 1903.
 (6232.) *Rhagium lineatum*, Oliv. Vancouver, April 27th, 1902.
 (6219.) *Atimia dorsalis*, Lec. Vancouver, May 22nd, 1903.
 (6249.) *Pachyta armata*, Lec. Mount Cheam, Aug. 7th, 1903.
 (6247.) *Pachyta monticola*, Rand (var.) Vancouver, April 13th, 1904.
 (6274.) *Acmæops pratensis*, Laich Nelson, July 23rd, 1904.
 (6341.) *Leptura chrysocoma*, Kirby Kaslo, July 26th, 1904.
 (6340.) *Leptura quadrillum*, Lec. Popcum, July 31st, 1903.
 (6346.) *Leptura dolorosa*, Lec. Popcum, July 31st, 1903.
 (6332.) *Leptura canadensis*, Lec. Sicamous, July 31st, 1904.
 (6327.) *Leptura matthewsii*, Lec.
 (6299.) *Leptura obliterated*, Hald. Vancouver, Aug. 1st, 1905.
 (6360.) *Leptura valida*, Lec. Vancouver, Aug. 6th, 1905.
 (6387.) *Monohammus scutellus*, Say.
 (6348.) *Leptura crassipes*, Lec. Revelstoke, July 21st, 1904.
 (6367.) *Plectrura spinicauda*, Mann Vancouver, June 23rd, 1910.
 (6228.) *Ulochaetes leoninus*, Lec. Vancouver, Aug. 5th, 1904.
 (6513B.) *Tetraopes basalis*, Lec. Cherry Creek, July 12th, 1903.
 (7656.) *Phryganophilus collaris*, Lec. Vancouver, May 22nd, 1904.
 (7729.) *Ditylus gracilis*, Lec. Vancouver, April 20th, 1902.
 (6741.) *Chrysochus auratus*, Fab. Cherry Creek, July 12th, 1903.
 (6805.) *Calligrapha elegans*, Oliv. (var.) Chilliwack, May 15th, 1908.
 (6907.) *Galerucella decora*, Say (var.) Vancouver, May 14th, 1903.
 (6837.) *Melasoma lapponica*, Linn. (var.) Stikine, 1904.
 (6332.) *Leptura canadensis* var. *bena*, Leng.
 (6810A.) *Calligrapha bixbyana*, Kirby Harrison, July 30th, 1903.
 (7724.) *Calaphus angustus*, Lec. (?) Vancouver, April 11th, 1903.
 (7726A.) *Phellopsis porcata*, Lec.
 (7394.) *Iphthimus serratus*, Mann N. Vancouver, April 13th, 1902.
 (8158.) *Cantharis sphaericollis*, Say Vernon, Aug. 1st, 1904.
 (8092.) *Epicauta maculata*, Say Cherry Creek, July 12th, 1903.
 (8474.) *Pissodes fasciatus*, Lec.
 (8438.) *Lepyrus geminatus*, Say Stikine, 1904.
 (8471.) *Plinthus carinatus*, Boh.
 (8260.) *Dyslobus segnis*, Lec. Grouse Mtn., June 3rd, 1910.
 (6742.) *Chrysochus cobaltinus*, Lec. Revelstoke, July 29th, 1904.