

Like several other species of the genus referred to on the preceding pages, this locust, without doubt, will be found to occur in Mexico.

48. **Melanoplus bivittatus**, Say.

Gryllus bivittatus, Say, Journ. Acad. Nat. Sci. Philad. iv. p. 308 (1825)¹.

Caloptenus bivittatus, Uhler, in Say's Ent. N. Amer., ed. Leconte, ii. p. 238 (1859)² (part.).

Melanoplus bivittatus, Scudd. Hitchc. Rep. Geol. N. H. i. p. 376 (1874)³ (part.); Proc. U.S. Nat. Mus. xx. p. 363, t. 24. fig. 5 (1897)⁴.

Hab. NORTH AMERICA, from Canada and British Columbia to the Gulf of Mexico⁴.—MEXICO (*Saussure*, in *Mus. Geneva*), Villa Lerdo, Durango (*L. Bruner*).

One of Saussure's types mentioned in connection with the remarks under *M. sumichrasti* (the one preserved in alcohol) is, as already stated, of this species.

49. **Melanoplus thomasi**, Scudd. (Tab. IV. figg. 7, 7 a, b, ♂.)

Melanoplus thomasi, Bruner, MS.¹.

Melanoplus thomasi, Scudd. Proc. U.S. Nat. Mus. xx. p. 368, t. 25. fig. 1 (1897)²; Rehn, Proc. Acad. Nat. Sci. Philad. 1907, p. 55³.

Hab. NORTH AMERICA, Tularosa, New Mexico (*Cockerell*), Sacramento Mts. (*Rehn*), Douglas, Arizona³.—MEXICO, Villa Lerdo, Durango² (*L. Bruner*).

This insect appears to be confined to mountain valleys in its distribution.

50. **Melanoplus yarrowi**, Thomas.

Caloptenus yarrowii, Thom. Rep. Geol. & Geogr. Surv. W. 100th Merid. v. p. 894, t. 45. fig. 5 (1875)¹.

Melanoplus yarrowii, Scudd. Proc. U.S. Nat. Mus. xx. p. 369, t. 25. fig. 2 (1897)².

Hab. NORTH AMERICA, Grand Junction, Colorado², Phoenix, Arizona (*coll. L. Bruner*).

Apparently confined to the valley of the Rio Colorado, where it is not at all common, judging from the few specimens that have reached the various students of Orthoptera. It certainly reaches Northern Sonora.

[51. **Melanoplus olivaceus**, Scudd.

Melanoplus olivaceus, Bruner, MS.¹.

Melanoplus olivaceus, Scudd. Proc. U.S. Nat. Mus. xx. p. 370, t. 25. fig. 3 (1897)².

Hab. NORTH AMERICA, Los Angeles, California², Phoenix, Arizona (*coll. L. Bruner*).]

52. **Melanoplus arboreus**, Scudd.

Melanoplus arboreus, Scudd. Proc. U.S. Nat. Mus. xx. p. 372, t. 25. fig. 5 (1897)¹.

Hab. NORTH AMERICA, Gulf Coast of Texas¹, Arizona (*coll. L. Bruner*).

This insect is also to be looked for in the groves of Northern Chihuahua and Sonora.