

## ON THE HETEROPTERA IN THE PROVANCHER COLLECTION (HEMIPTERA)

LEONARD A. KELTON

*Entomology Research Institute, Canada Department of Agriculture, Ottawa.*

### Abstract

Provancher species of Heteroptera at Laval University, Québec, were examined. Exclusive of the Saldidae, nine holotypes are recognized and 24 lectotypes designated. Of this number, 19 species are now in synonymy while 14 are valid species. The new synonyms are: *Lygus brunneus* Prov. = *Plagiognathus obscurus* Uhler, *Lygus unicolor* Prov. = *Lopus decolor* (Fallen); *Capsus flavipes* Prov. belongs to *Microphylellus* Reuter and has priority over *M. nigricornis* Knight, *Plagiognathus fuscous* Prov. has priority over *P. pallidicornis* Knight. *Euschistus jugalis* Prov. is considered as *nomen dubium*.

### Résumé

Nous avons examiné les espèces d'Hétéroptères de Provancher à l'Université Laval; à l'exception des Saldidae nous avons reconnu neuf holotypes et désigné 24 lectotypes. D'autre part, 19 espèces sont considérées comme synonymes et 14 espèces authentiques. Les nouveaux synonymes sont: *Lygus brunneus* Prov. = *Plagiognathus obscurus* Uhler, *Lygus unicolor* Prov. = *Lopus decolor* (Fallen); *Capsus flavipes* Prov. appartient au genre *Microphylellus* Reuter et a la priorité sur *M. nigricornis* Knight, *Plagiognathus fuscous* Prov. a priorité sur *P. pallidicornis* Knight. Enfin, l'espèce *Euschistus jugalis* Prov. est reconnue comme étant *nomen dubium*.

L'abbé Léon Provancher was a pioneer systematist in Canadian entomology. In *Le Naturaliste Canadien*, 1869, 1872, and « *Petite Faune Entomologique*, » 1886-89, Provancher described 37 species of Heteroptera, while his colleague Mr. Burque described one. These descriptions were based on single specimens or on small series, but the types as they are known today were not designated.

Provancher kept records of the species in his collection in a handwritten catalogue. The specimens also had corresponding numbers and his name labels. The collection was occasionally revised, for different numbers appear on the

same species, and often the species were confused. In many cases the number in the catalogue had several different names. However, the catalogue was extremely useful in establishing the types.

The four species of Saldidæ were dealt with in a separate paper by Kelton and Lattin (1968), while the remaining Heteroptera are discussed here. In the interest of stability, types are designated and corresponding labels have been placed on the specimens.

The 38 species of Heteroptera described by Provancher and his colleague are in the following families : Scutellaridæ, 1; Pentatomidæ, 4; Alydidæ, 1; Lygæidæ, 4; Nabidæ, 1; Reduviidæ, 4; Anthocoridæ, 1; Miridæ, 16; and Saldidæ, 4. Of this number 21 species are now in synonymy while 16 are good species, and one species remains unknown. All types are in the Provancher Collection, Laval University, Québec.

*Eurygaster alternatus* (Say)

*Tetyra alternata* Say, 1828: 43.

*Eurygaster nicoletanensis* Provancher, 1872: 73.

*Eurygaster alternatus*: Provancher, 1886: 23.

LECTOTYPE here designated, female, labelled, No. 4, *Eurygaster nicoletanensis* Prov., *Eurygaster alternatus* (Say).

Provancher described *nicoletanensis* from several specimens collected in the vicinities of Nicolet, Ste. Anne and Portneuf. There is no record of *nicoletanensis* in his catalogue, but he (1886) correctly considered it a synonym of *alternatus* (Say). Subsequently he recorded it in his catalogue under No. 4, *Eurygaster alternatus* (Say).

*Perillus circumcinctus* Stål

*Perillus circumcinctus* Stål, 1862: 89.

*Perillus marginatus* Provancher, 1872: 74.

*Perillus circumcinctus*: Provancher, 1886: 35.

LECTOTYPE here designated, female, labelled, No. 6, *Perillus marginatus* Prov., *Perillus circumcinctus* Stål.

Provancher described *marginatus* from two specimens presumably collected in the vicinity of Québec. There is no record of *marginatus* in his catalogue, but he (1886) correctly considered it a synonym of *circumcinctus* Stål and recorded it in his catalogue under No. 6 and No. 9, *Perillus circumcinctus* Stål.

*Brochymena 4-pustulata* (Fabricius)

*Cimex 4-pustulata* Fabricius, 1775: 704.

*Brochymena 4-notata* Provancher, 1872: 74.

*Brochymena 4-pustulata*: Provancher, 1886: 35.

LECTOTYPE here designated, male, labelled, No. 14, *Brochymena 4-notata* Prov., *Brochymena annulata* (F.), *Brochymena 4-pustulata* (F.).

Provancher described *4-notata* from two specimens collected at Macon, Georgia. There is no record of *4-notata* in his catalogue, but he (1886) referred to it as *4-punctata* and considered it the same as *4-pustulata* and a synonym of *annulata* (F.). The latter combination is recorded in his catalogue under No. 14, *Brochymena annulata* (F.). His record No. 151, *Brochymena 4-punctata* Prov., is that of *B. myops* Stål.

*Euschistus jugalis* Provancher

*Euschistus jugalis* Provancher, 1889: 204.

Provancher described the species from a single female presumably sent from Vancouver, B. C. There is no record of it in his catalogue and I was unable to find anything like it in the collection.

Van Duzee (1904, 1912) considered that *jugalis* might be *fissilis* Uh., *variolarius* Beauv., or *conspersus* Uh., and later (1916, 1917) considered it to be *impictiventris* Stål. So far as I can judge, *jugalis* Prov. has not been recognized since the description of the species was published. I therefore propose that the name be considered as *nomen dubium*.

*Prionosoma podopiooides* Uhler

*Prionosoma podopiooides* Uhler, 1863: 364.

*Prionosoma villosum* Provancher, 1889: 204.

*Prionosoma podopiooides*: Van Duzee, 1912: 325.

HOLOTYPE, female, labelled, No. 230, *Prionosoma villosum* Prov., *Prionosoma podopiooides* Uhler.

Provancher described *vilosum* from a single female presumably sent from Vancouver, B. C. There is no record of *vilosum* in his catalogue; however, there are two specimens in the collection bearing labels No. 16, *Prionosoma podopiooides* Uh., and No. 230, *Trichopepla*, B. C. Both are the same species, but No. 16 is badly rubbed and practically hairless, while No. 230 is highly villose. It is likely that Provancher used the latter specimen to describe *vilosum*.

Van Duzee (1912) considered the species a synonym of *podopiooides* Uh.

*Protenor belfragei* Haglund

- Protenor belfragei* Haglund, 1868: 162.  
*Tetrarhinus quebecensis* Provancher, 1872: 75.  
*Protenor belfragei*: Van Duzee, 1912: 319.

LECTOTYPE here designated, male, labelled, No. 20, *Tetrarhinus quebecensis* Prov., *Protenor belfragei* Hag.

Provancher described *quebecensis* from several specimens collected at Portneuf, St. Jean d'Eschaillons and Ste. Anne de la Pérade. In his catalogue it is recorded under No. 20 and No. 37, *Tetrarhinus quebecensis* Prov. which he later changed to *Protenor belfragei* Hag.

*Ortholomus scolopax* (Say)

- Lygaeus scolopax* Say, 1832: 15.  
*Nysius Saint-Cyri* Provancher, 1872: 77.  
*Nysius groenlandicus*: Provancher, 1866: 70.  
*Ortholomus scolopax*: Usinger, 1941: 129.

LECTOTYPE here designated, male, labelled, No. 25, *Nysius Saint-Cyri* Prov., *Ortholomus scolopax* (Say).

Provancher described *Saint-Cyri* from a large series collected at Fleuve and Portneuf. In his catalogue it is recorded under No. 25 and No. 42, *Nysius Saint-Cyri* Prov. He (1886) placed it in synonymy with *grænlandicus* Zett., and in his catalogue the original entry is crossed out and *Nysius grænlandicus* Zett. written in. However, specimen No. 25 bears the label *Nysius Saint-Cyri* Prov., while No. 42 that of *Nysius grænlandicus* Zett.

Usinger (1941) placed *Saint-Cyri* as a synonym of *Ortholomus scolopax* (Say).

*Peritrechus fraternus* Uhler

- Peritrechus fraternus* Uhler, 1871: 103.  
*Rhyparochromus punctatus* Provancher, 1872: 76.  
*Ischnodemus falicus*: Provancher, 1886: 76.

HOLOTYPE, female, labelled, No. 28, *Rhyparochromus punctatus* Prov., *Peritrechus fraternus* Uhl.

Provancher described *punctatus* from a single female specimen collected at Portneuf. He (1886) erroneously considered the species a synonym of *falicus* Say and this is recorded in his catalogue under No. 28, No. 35, and No. 49, *Ischnodemus falicus* Say.

Specimens with these numbers are in the collection, but they are not of *Ischnodemus falcatus* Say. No. 28 and No. 49 are those of *fraternus* Uhl. and the specimens most closely fit the original description of *punctatus* Prov. No. 35 is that of *Ligyrocoris sylvestris* (L.).

Van Duzee (1912) concluded that *punctatus* Prov. was a synonym of *Peritrichus fraternus* Uhl.

### *Gastrodes pacificus* (Provancher)

*Platygaster pacificus* Provancher, 1889: 205.

*Gastrodes pacificus*: Van Duzee, 1916: 23.

HOLOTYPE, female, labelled, No. 235, *Platygaster pacificus* Prov., *Gastrodes pacificus* (Prov.).

Provancher described this species from a single female presumably sent from Vancouver, B. C. There is no record of *pacificus* in his catalogue, but the specimen in the collection bearing labels No. 235, and *Phlegyas annulicrus* Stål is that of *Platygaster pacificus* Prov.

Van Duzee (1916) transferred the species to the genus *Gastrodes* Westwood.

### *Pseudocnemodus canadensis* (Provancher)

*Pterometus canadensis* Provancher, 1886: 84.

*Pseudocnemodus bruneri* Barber, 1911: 25.

*Pseudocnemodus canadensis*: Van Duzee, 1912: 320.

HOLOTYPE, female, labelled, No. 429, *Pterotmetus canadensis* Prov., *Pseudocnemodus canadensis* (Prov.).

Provancher described this species from a single female collected at Cap Rouge. In his catalogue it is recorded under No. 429, *Pterotmetus canadensis* Prov.

Van Duzee (1912) transferred the species to the genus *Pseudocnemodus* Barber, and considered *bruneri* a synonym.

### *Nabis subcoleoptratus* (Kirby)

*Nabicula subcoleoptratus* Kirby, 1837: 138.

*Nabis canadensis* Provancher, 1869: 211.

*Coriscus subcoleoptratus*: Provancher, 1887: 175.

*Nabis subcoleoptratus*: Van Duzee, 1916: 32.

LECTOTYPE here designated, female, labelled, No. 63, *Nabis canadensis* Prov., *Nabis subcoleoptratus* (Kirby).

Provancher described *canadensis* from a large series presumably collected in the vicinity of Québec. There is no record of *Nabis canadensis* Prov. in his catalogue. However, he (1887) considered the species a synonym of *subcoleoptratus* and this is recorded in the catalogue under No. 63, *Nabis subcoleoptratus* Kirby.

Van Duzee (1916) concurred with the synonymy.

### *Reduvius personatus* (Linnaeus)

*Cimex personatus* Linnaeus, 1758: 446.

*Reduvius albosignatus* Provancher, 1872: 105.

*Opsicoetus personatus*: Provancher, 1887: 184.

*Reduvius personatus*: Reuter, 189: 7.

HOLOTYPE, male, labelled, No. 109, *Reduvius albosignatus* Prov., *Reduvius personatus* (L.).

Provancher described *albosignatus* from a single male specimen collected at Jesup, Georgia. He (1887) placed it in synonymy with *personatus* and this is recorded in his catalogue under No. 109, *Reduvius albosignatus* Prov. and No. 249, *Opsicætus personatus* (L.).

### *Zelus exsanguis* (Stål)

*Diplodus exsanguis* Stål, 1862: 452.

*Darbanus georgiae* Provancher, 1872: 106.

*Darbanus palliatus* Provancher, 1887: 182.

*Zelus exsanguis*: Van Duzee, 1916: 30.

HOLOTYPE, male, labelled, No. 114, *Darbanus georgiae* Prov., *Zelus exsanguis* (Stål).

HOLOTYPE, male, labelled, No. 247, *Darbanus palliatus* Prov., *Zelus exsanguis* (Stål).

Provancher described *georgiae* and *palliatus* from single male specimens presumably collected at Macon, Georgia, and Ottawa, Canada, respectively. In his catalogue they are recorded under No. 114, *Darbanus georgiae* Prov., and No. 247, *Darbanus palliatus* Prov. Cross reference numbers indicate that Provancher considered the two species conspecific.

Van Duzee (1916) placed both species as synonyms of *Zelus exsanguis* (Stål).

*Zelus cervicalis* Stål

*Zelus cervicalis* Stål, 1872: 90.

*Evagoras marginata* Provancher, 1887: 182.

HOLOTYPE, female, labelled, No. 248, *Evagoras marginata* Prov., *Zelus cervicalis* Stål.

Provancher described *marginata* from a single female that was probably sent from Ottawa, Canada. In his catalogue it is recorded under No. 248, *Evagoras marginata* Prov.

Van Duzee (1912) placed the species in synonymy with *Zelus cervicalis* Stål.

*Sigara trilineata* (Provancher)

*Corisa 3-lineata* Provancher, 1872: 108.

*Arctocorisa trilineata* Kirkaldy and Torre-Bueno, 1909: 197.

*Sigara trilineata*: Hungerford, 1948: 649.

LECTOTYPE here designated, female, labelled, No. 139, *Corisa 3-lineata* Prov., *Sigara trilineata* (Prov.).

Provancher described this species from several specimens collected in the vicinity of Québec. In this catalogue it is recorded under No. 80 and No. 139, *Corisa trivittata* Prov.

Hungerford (1948) placed the species in the genus *Sigara* Fabricius.

*Sigare lineata* (Förster)

*Notonecta lineata* Förster, 1771: 70.

*Corisa 2-lineata* Provancher, 1872: 108.

*Arctocorixa bilineata*: Kirkaldy and Torre-Bueno, 1909: 194.

*Arciocorixa lineata*: Hungerford, 1939: 585.

*Sigara lineata*: Hungerford, 1948: 645.

LECTOTYPE here designated, female, labelled, No. 140, *Corisa 2-lineata* Prov., *Sigara linea* (Förster).

Provancher described *2-lineata* from several specimens collected in the vicinity of Québec. In his catalogue it is recorded under No. 81 and No. 140, *Corisa bivittata* Prov.

Hungerford (1939) synonymized it with *lineata* Förster, and later (1948) placed it in *Sigara* Fabricius.

*Tetraphleps canadensis* Provancher

- Tetraphleps canadensis* Provancher, 1886: 90.  
*Lyctocoris canadensis*: Van Duzee, 1912: 320.  
*Tetraphleps americanus* Parshley, 1920: 85.  
*Tetraphleps canadensis*: Van Duzee, 1921: 142.  
*Tetraphleps osborni* Drake, 1923: 67.  
*Tetraphleps edacis* Drake and Harris, 1926: 43.  
*Tetraphleps canadensis*: Drake and Harris, 1928: 50; Kelton and Anderson, 1962: 1307.

HOLOTYPE, female, labelled, No. 154, *Tetraphleps canadensis* Prov.

Provancher described this species from a single female collected at Cap Rouge. In his catalogue it is recorded under No. 154, *Tetraphleps canadensis* Prov.

Van Duzee (1912, 1916, 1917) erroneously considered this species as of *Lyctocoris* Hahn but later (1921) transferred it to *Tetraphleps*. Drake and Harris (1928) and Kelton and Anderson (1962) examined the type and found it to be a true *Tetraphleps* and a good species.

*Stenodema vicinum* (Provancher)

- Miris vicinus* Provancher, 1872: 77.  
*Miris affinis* Reuter, 1875: 59.  
*Miris instabilis* Uhler, 1877: 1327.  
*Stenodema vicinum*: Van Duzee, 1916: 36; Kelton, 1961: 452.

LECTOTYPE here designated, male, labelled, No. 37, *Miris vicinus* Prov., *Stenodema vicinum* (Prov.).

Provancher described this species from several specimens collected in the vicinity of Québec. In his catalogue it is recorded under No. 37, *Miris vicinus* Prov., and No. 54, *Miris instabilis* Uhl.

Van Duzee (1916) placed the species in the genus *Stenodema* Laporte.

*Leptopterna dolabrata* (Linnaeus)

- Cimex dolabratus* Linnaeus, 1758: 449.  
*Miris dolabratus*: Fabricius, 1794: 183.  
*Miris belangeri* Provancher, 1872: 104.  
*Leptopterna dolabrata*: Provancher, 1886: 104.

LECTOTYPE here designated, male, labelled, No. 38, *Miris belangeri* Prov., *Leptopterna dolabrata* (L.).

Provancher described *belangeri* from several specimens collected in the vicinity of Québec. He (1886) placed the species in synonymy with *dolabratus* L. and in his catalogue it is recorded under No. 38, *Miris belangeri* Prov., and No. 52, *Leptopterna dolabratus* (L.).

*Trigonotylus viridis* (Provancher)

*Miris viridis* Provancher, 1872: 98.

*Trigonotylus ruficornis*: Provancher, 1886: 104.

*Trigonotylus viridis*: Carvalho and Wagner, 1957: 152.

LECTOTYPE here designated, male, labelled, No. 39, *Miris viridis* Prov., *Trigonotylus viridis* (Prov.).

Provancher described this species from several specimens collected in the vicinity of Québec. He (1886) placed the species in synonymy with *Trigonotylus ruficornis* (Fallen), and in his catalogue it is recorded under No. 39, *Miris viridis* Prov., and No. 55, *Trigonotylus ruficornis* Fall.

Carvalho and Wagner (1957) reinstated *viridis* as a good species.

*Collaria meilleurii* Provancher

*Collaria meilleurii* Provancher, 1872: 79.

LECTOTYPE here designated, male, labelled, No. 84, *Collaria meilleurii* Prov.

Provancher described the genus and species from a series of 30 specimens collected in the vicinity of Québec. In his catalogue they are recorded under No. 51 and No. 84, *Collaria meilleurii* Prov.

*Plagiognathus obscurus* Uhler

*Plagiognathus obscurus* Uhler, 1872: 418.

*Lugus brunneus* Provancher, 1872: 104 (n. comb.).

*Pamerocoris brunneus*: Provancher, 1887: 140.

*Fulvius brunneus*: Reuter, 1895: 140.

LECTOTYPE here designated, male, labelled, No. 42, *Lugus brunneus* Prov., *Pamerocoris brunneus* (Prov.), *Plagiognathus obscurus* Uhler.

Provancher described this species from several specimens collected in the vicinity of Québec. He (1887) incorrectly placed *brunneus* in *Pamerocoris* Uhl. and considered *anthocoroides* Uhl. a synonym of it. In his catalogue this is recorded under No. 42 and No. 69, *Lygus brunneus* Prov. and subsequently changed to *Capsus brunneus* and *Pamerocoris brunneus* Prov. Specimens with these labels are *Plagiognathus obscurus* Uhl. and very closely fit the original description of *brunneus*. Furthermore, species of *Fulvius* are extremely difficult to find while Provancher (1887) found *brunneus* very common in the vicinity of Québec.

### *Plagiognathus fuscous* (Provancher)

*Lygus fuscous* Provancher, 1872: 105.

*Plagiognathus fuscous*: Provancher, 1887: 153.

*Plagiognathus pallidicornis* Knight, 1923: 435 (n. syn.)

LECTOTYPE here designated, female, labelled, No. 70, *Lygus fuscous* Prov., *Plagiognathus fuscous* (Prov.).

Provancher described this species from several specimens presumably collected in the vicinity of Québec. Later (1887) he correctly considered *fuscous* as of *Plagiognathus* Fieber and in his catalogue this is recorded under No. 43, *Lygus fuscous* Prov. and No. 70, *Plagiognathus fuscous* Prov. However, he incorrectly considered *Lygus dorsalis* Prov. and *Plagiognathus obscurus* Uhl. as synonym of *fuscous*.

### *Lopus decolor* (Fallen)

~ *Capsus decolor* Fallen, 1807: 102.

*Oncotylus decolor*: Fieber, 1861: 298.

*Lygus unicolor* Provancher, 1872: 105.

*Oncotylus pulchellus*: Provancher, 1887: 148.

*Orthotylus flavosparsus*: Van Duzee, 1912: 322.

LECTOTYPE here designated, female, labelled, No. 68, *Lygus unicolor* Prov., *Oncotylus decolor* (Fall.), *Lopus decolor* (Fall.).

Provancher described *unicolor* from two specimens presumably collected in the vicinity of Québec. He (1887) incorrectly considered *unicolor* a synonym of *Oncotylus pulchellus* Reuter, a species not found in North America. In his catalogue *unicolor* is recorded under No. 45 and No. 68, *Lygus unicolor* Prov. and subsequently changed to *O. pulchellus* Reut. and *O. decolor* (Fallen), respectively. Specimen in the collection with labels No. 45, and *Oncotylus pulchellus* Reut., is that of *Melanotrichus flavosparsus* (Sahlberg) which Van Duzee (1912) identified as *Orthotylus flavosparsus*. Specimen with labels No. 68, and *Oncotylus decolor* Fall., is that of *Lopus decolor* (Fall.), and closely fits the original description of *unicolor*.

*Microphylellus flavipes* (Provancher) n. comb.

*Capsus flavipes* Provancher, 1872: 104.

*Capsus ater*: Van Duzee, 1917: 338.

*Microphylellus nigricornis* Knight, 1923: 455 (n. syn.).

LECTOTYPE here designated, male, labelled, No. 90, *Capsus flavipes* Prov., *Deræocoris flavipes* Prov., *Microphylellus flavipes* (Prov.).

Provancher described this species from several specimens presumably collected in the vicinity of Québec. In his catalogue it is recorded under No. 90, *Capsus pallipes* Prov. and later changed to *Deræocoris pallipes*.

Specimen in the collection with labels No. 90, and *Deræocoris flavipes* Prov., is not of *Capsus*. The head, antenna, thorax, claws and the arolia indicate that it is a phylini; the black dorsum, pale legs with no spots on the tibia indicate that it belongs to *Microphylellus* Reuter. The first antennal segment is mostly pale while the second segment is black. The abdomen is missing, but the antenna and thorax suggest it is a male.

Van Duzee (1917) apparently had *Capsus ater* (L.) in mind, which is also present in the collection, and incorrectly assumed it to be the same as *flavipes* Prov.

*Macrotylus sexguttatus* (Provancher)

*Amblytylus 6-guttatus* Provancher, 1887: 150.

*Macrotylus 6-guttatus*: Van Duzee, 1912: 68.

LECTOTYPE here designated, female, labelled, No. 221, *Amblytylus 6-guttatus* Prov., *Macrotylus sexguttatus* (Prov.).

Provancher described this species from four specimens collected in the vicinities of Sherbrooke and Ste. Gertrude. In his catalogue it is recorded under No. 221, *Amblytylus 6-guttatus* Prov.

Van Duzee (1912) placed this species in the genus *Macrotylus* Fieber.

*Rhinocapsus rubricans* (Provancher)

*Plagiognathus rubricans* Provancher, 1887: 154.

*Rhinocapsus rubricans*: Van Duzee, 1912: 323.

LECTOTYPE here designated, male, labelled, No. 222, *Plagiognathus rubricans* Prov., *Rhinocapsus rubricans* (Prov.).

Provancher described this species from several specimens collected in the vicinity of Ste. Gertrude. In his catalogue it is recorded under No. 222, *Plagiognathus rubricans* Prov.

Van Duzee (1912) placed the species in *Rhinocapsus* Uhler.

*Orthotylus dorsalis* (Provancher)

*Lygus dorsalis* Provancher, 1872: 104.

*Orthotylus dorsalis*: Provancher, 1887: 138.

LECTOTYPE here designated, female, labelled, No. 77, *Lygus dorsalis* Prov., *Orthotylus dorsalis* (Prov.).

Provancher described this species from two specimens presumably collected in the vicinity of Québec. He (1887) transferred it to *Orthotylus* Fieber, and in his catalogue it is recorded under No. 77, *Lygus dorsalis* Prov. and later changed to *Orthotylus dorsalis*.

*Diaphnacoris provancheri* (Burque)

*Malacocoris provancheri* Burque, 1887: 144.

*Diaphnidia provancheri*: Van Duzee, 1912: 322.

*Diaphnacoris provancheri*: Kelton, 1961: 566.

LECTOTYPE here designated, female, labelled, No. 79, *Malacocoris provancheri* Burque, *Diaphnacoris provancheri* (Burque).

Burque described this species in honour of Provancher from specimens collected in the vicinities of Cap Rouge-St. Hyacinthe. In Provancher's catalogue it is recorded under No. 79, *Malacocoris provancheri* Burque.

Kelton (1961) examined this species and placed it in the genus *Diaphnacoris* Kelton.

*Mecomma gilvipes* (Stål)

*Leptomerocoris gilvipes* Stål, 1858: 187.

*Mecomma gilvipes*: Reuter, 1883: 386.

*Chlamydatus luctuosus* Provancher, 1887: 137.

*Mecomma luctuosa*: Carvalho and Southwood, 1955: 59.

*Mecomma gilvipes*: Kelton and Knight, 1962: 1298.

LECTOTYPE here designated, male, labelled, No. 220, *Chlamydatus luctuosus* Prov., *Mecomma gilvipes* (Stål).

Provancher described *luctuosus* from several specimens collected in the vicinity of Cap Rouge. In his catalogue it is recorded under No. 220, *Chlamydatus luctuosus* Prov.

Kelton and Knight (1962) examined the specimen with labels No. 220, and *Chlamydatus luctuosus* Prov., and found it conspecific with *Mecomma gilvipes* (Stål).

#### *Polymerus venaticus* (Uhler)

*Poecilocapsus venaticus* Uhler, 1872: 414.

*Rhopalotomus rubronotatus* Provancher, 1872: 105.

*Systratiotus venaticus*: Provancher, 1887: 125.

*Polymerus venaticus*: Tucker, 1907: 60.

LECTOTYPE here designated, male, labelled, No. 51, *Rhopalotomus rubronotatus* Prov., *Polymerus venaticus* (Uhler).

Provancher described *rubronotatus* from a small series collected in the vicinity of Québec. He (1887) considered his species a synonym of *venaticus* Uhl. and in his catalogue it is recorded under No. 51, *Rhopalotomus rubronotatus* Prov. and No. 63, *Systratiotus venaticus* Uhl. However, specimen in the collection bearing the latter labels is that of *Polymerus opacus* Knight.

#### *Lygus lineolaris* (Palisot de Beauvois)

*Capsus lineolaris* Palisot de Beauvois, 1818: 187.

*Capsus flavonotatus* Provancher, 1872: 103.

*Lygus lineolaris*: Van Duzee, 1912: 321.

LECTOTYPE here designated, female, labelled, No. 66, *Capsus flavonotatus* Prov., *Lygus lineolaris* (Beauv.).

Provancher described *flavonotatus* from several specimens collected in the vicinity of Québec. In his catalogue it is recorded under No. 66, *Capsus flavonotatus* Prov. and later changed to *Lygus flavonotatus* Prov.

Van Duzee (1912) placed it as a synonym of *Lygus lineolaris* (Beauv.).

#### *Closterocoris amoenus* (Provancher)

*Pycnopterna amoena* Provancher, 1887: 114.

*Closterocoris ornata* Uhler, 1890: 77.

*Closterocoris amoenus*: Van Duzee, 1912: 321.

LECTOTYPE here designated, male, labelled, No. 166, *Pycnopterna amoena* Prov., *Closterocoris amoenus* (Prov.).

Provancher described this species from several specimens presumably sent from Ottawa, Canada. In his catalogue it is recorded under No. 166, *Pycnopterna amœna* Prov. However, the known distribution of the species is Western United States and it is likely that the species originated in that area. One male specimen bearing No. 166 was found in the Canadian National Collection, Ottawa, and is designated herewith as a paralectotype, No. 9725.

Van Duzee (1912) placed the species in the genus *Closterocoris* Uhler and considered *ornata* Uhl. as its synonym.

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