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States, Canada, and many other foreign countries, will feel intimately the loss of his fine generosity and stimulating influence.

Geo. A. Dean.

ORTHOPTERA OF AN EASTERN NEBRASKA PRAIRIE

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The following list of Orthoptera is part of an ecological study of the animals of a prairie located about nine miles northwest of Lincoln. It is the same prairie from which two previous studies were made, one on the beetles¹ and one on the mammals².

Many of the species were identified by J. A. G. Rehn (R), several by Harold A. Hauke (H) and many by the author (W). The following species were collected:

Mantidae

Oligonicella scudderi bolliana (S-Z) (R). A single specimen was swept from grass on the high prairie, on August 16.

Phasmidae

Diapheromera veliei Walsh (W). Out of several hundred specimens this was the only species present. Immature forms were abundant during May and the adults frequently from May 24 to September 3 on both high and low prairie.

Manomera blatchleyi (Caud.) (R). One male was captured on low prairie grass on September 6.

Acrididae

Pseudopomala brachyptera (Sc.) (R). All were captured on low prairie; females July 5 to September 10, and males August 2 to 30. Found on grass and **Solidago rigida**.

Mermiria maculipennis mcclungi Rehn (R). Two specimens were taken on low prairie grass, August 20 and 29.

1 Whelan, Don B. Coleoptera of an Original Prairie Area in Eastern Nebraska. Jour. Kans. Ent. Soc., ix, pp. 111-115, 1936.

2. ————. Some Mammals of a Nebraska Prairie. Trans. Kan. Acad. Sci., XXXIX, pp. 365-366, 1936.

Syrbula admirabilis Uhler (W). Found on high prairie grass on September 3.

Eritettix tricarinatus (Thos.) (R). Nymphs were caught from September 6 to April 12, adults from April 23 to July 24 on both high and low prairies. Adults common in May and June.

Eritettix simplex (Sc.) (W). Specimens were taken on May 17 and June 8.

Orphullela speciosa (Sc.) (R.) July 5 to October 10, more common on high prairie in spring and fall.

Dicromorpha viridis (Sc.) (W). One specimen was taken in a low prairie ravine on September 27.

Agentettix deorum (Sc.) (R). July 10 to October 11, mostly high prairie grass. Numerous in September.

Arphia pseudonietana (Thos.) (R). On August 28 a specimen was taken on the low prairie.

Arphia xanthoptera (Burm.) (R). Nymphs during winter until May, adults March 21 to October 25, mostly on high prairie in summer and low prairie in late fall. Both red and brown forms present.

Arphia simplex Sc. (R). One specimen taken on July 12.

Encoptolophus sordidus (Burm.) (R). August 28 to October 10, mostly in ravines and common in September.

Pardalophora apiculata (Harr.) (R). Adults April 23 to October 25, and nymphs August 30 until spring, mostly on high prairie.

Pardalophora haldemanii (Sc.) (H). June 1 to September 23. It over-winters as a nymph.

Dissosteira carolina (L.) (R). Two specimens taken, on August 15 and 20, on low prairie not far from a road.

Brachystola magna (Gir.) (R). Nymphs taken July 12 and August 20, adults August 2 to September 7, all on low prairie.

Schistocerca americana Harr. (H). One specimen, July 30 on high prairie.

Schistocerca alutacea Harr. (H). Adults August 2 to October 12, mostly on low prairie and on **Solidago rigida**. Three nymphs August 2, 10 and 16.

Schistocerca lineata Sc. (H). Taken on August 20 and October 20.

Hypochlora alba (Dodge) (R). Adults on high prairie August 16 and low prairie August 2 to September 10, later on **Solidago rigida**. Nymphs August 28.

Campylacantha olivacea olivacea (Sc.) (R). Taken September 8 and again October 10.

Hesperotettix brevipennis pratensis (Sc.) (R). July 5 to October 10, mostly on low prairie. Common during July and August.

Hesperotettix speciosa (Sc.) (W). Two specimens caught on August 29.

Melanoplus scudderi latus Morse (R). From September 14 to October 25, a mating pair captured on the former date.

Melanoplus differentialis (Thos.) (W). Nymphs until August 20, adults August 2 to September 27. More numerous on low prairie.

Melanoplus bivittatus (Say) (W). Nymphs May 17 to August 30, adults July 5 to September 3. Common on low prairie.

Melanoplus dawsoni (Sc.) (R). A few brachypterous forms taken between August 3 and October 25.

Melanoplus confusus Sc. (R). May 27 to September 20, mostly on low prairie. Common in June and July.

Melanoplus femur-rubrum femur-rubrum (DeG.) (R.) Adults July 26 to October 10, most common in July and August on both high and low prairie.

Melanoplus mexicanus mexicanus Saus. (R). From July 5 to October 25, very common during August and September. Mostly on high prairie.

Melanoplus keeleri luridus (Dodge) (R). Adults July 30 to October 25, common in August and September. Nymphs mostly taken from spring until August.

Phoetaliotes nebrascensis (Thos.) (R). Nymphs from July 5 to August 8, adults from August 18 to October 25, mostly on grass, one on weeds and one on **Solidago rigida**.

Tettigoniidae

Phaneroptera texensis (S & P) (R). Nymphs were taken from June until August 9, adults July 26 to October 10 in grass and on **Solidago rigida**. Quite common during August and September.

Phaneroptera furcata furcata (Brun.) (R). Nymphs until August 18 and adults from August 20 until October

9, on low prairie.

Amblycorypha parvipennis brachyptera Ball (R). A female was taken on August 8 and a male on July 10.

Microcentrum rhombifolium (Sauss.) (R). Collected on September 5 and October 7.

Neoconocephalus ensiger (Harr.) (R). Nymphs July 12 to August 2. Adult males July 18 to September 30 and females August 16 to September 20.

Orchelimum vulgare Harr. (R). Very common on low prairie and in the ravines, especially on **Solidago rigida** and **Solidago glaberrima**. Adults from July 26 to September 18.

Conocephalus fasciatus fasciatus (DeG.) (H). One specimen was taken on August 20.

Conocephalus brevipennis (Sc.) (R). A male was taken on August 28 and a female on September 6.

Conocephalus nemoralis (Sc.) (R). One nymph and two adult specimens, both females, taken in a prairie ravine on August 30.

Conocephalus strictus (Sc.) (R). Adults August 8 until October 25 on both high and low prairies, nymphs on high prairie August 16 until early October.

Conocephalus nigropleurum (Brun.) (R). Two specimens were taken in a ravine, one on August 23 and the other August 30.

Conocephalus saltans (Sc.) (R). Macropterous forms August 2 to August 28. Brachypterous forms August 16 to October 10. Both found on high and low prairies.

Phrixocnemis sp. (W). Two nymphs caught on April 23, under stones on low prairie.

Gryllidae

Gryllus assimilis (Fab.) (H). Caught on three dates, July 8, 10 and 16.

Nemobius fasciatus fasciatus (DeG.) (R). One nymph August 18 and one adult on September 20, in low prairie.

Oecanthus nigricornis quadripunctatus Beut. (R). Swept from grass, weeds and from **Solidago glaberrima**, July 12 to October 3, on low prairie, mostly in August.

Oecanthus niveus (DeG.) (R). Only taken from weeds on high prairie on August 28.