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Some Insects of the Hudsonian Zone in New Mexico— I.

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Manual of the Families and Genera of North American Diptera, by S. W. Williston. Paper, $2.00; Cloth, $2.25.

J. T. HATHAWAY,

297 Crown St., New Haven, Conn.
From Aug. 1 to 4 of the present year my wife and I had an opportunity to collect the almost unknown fauna and flora of the Hudsonian Zone in New Mexico. The locality visited was the summit of the range between the Pecos and Sapello rivers, near the headwaters of the Pecos. This is the main divide between the Rio Grande and Mississippi river systems, and has an elevation of about 11,000 ft. The sides of the range, from about 8000 ft. upwards, possess a very uniform fauna and flora, belonging to the Canadian Zone. When we arrive at the summit however we find a tableland of moderate width, inhabited by a very different set of organisms. The plants have the low stature and large flowers so characteristic of alpines, the bees are nearly all Bombus and among the butterflies we see Parnassius, Brenthis and Colias scudder. The plants and mollusca will be reported on elsewhere, but the insects and arachnids will all be enumerated in the following pages, the several groups having been kindly worked up by those who are most familiar with them. When the series of articles has been completed, it may be possible to add some comments of a general nature.

T. D. A. COCKERELL.

ARACHNIDA.

BY NATHAN BANKS.

Araneida.

Pardosa glacialis Thorell. One female. Known from boreal and subboreal regions.

Xysticus gulosus Keys. One young specimen. Known from a large part of our country.

Dictyna sp. One female.

Erigone sp. One female.

Prosthesima sp. Several young specimens; near, and possibly identical with, P. blanda Bks.

Phalangida.

Homolophus biceps Thorell. Five specimens; previously known from Colorado, Wyoming, and Montana.
NEUROPTERA.

BY NATHAN BANKS.

Perlidae.

Nemoura sp. One specimen, closely related to the Eastern *N. albidipennis* Walk.

Trichoptera.

**Limnophilus cockerelli** n. sp.

Head yellowish; face with much yellow and some long black hair, vertex with long yellow bristles; antennae yellowish, feebly annulate with brown, basal joint long, brown on its outer side; thorax yellowish, with yellow hair and bristles; abdomen brown, yellowish at apex; legs light yellow, tips of tarsi more red-brown, on the lower outer side of each anterior femur is a short rather indistinct brown line; spines black, numerous and rather short; spurs yellowish, 2-3-4, not long. Wings of moderate length and width, not prominently truncate at the tips; nearly uniform dirty yellowish, surface with fine yellow hair, veins and margins with black bristles; veins in middle part of wing mostly brown, often interrupted with pale, other veins pale yellowish; costal region unmarked, pterostigma concolorous with rest of wing; discal cell is no longer than its pedicel; hind wings hyaline.

Length, 10-12 mm.

Two specimens from top of range between Sapello and Pecos River, N. Mex., 2 Aug., altitude about 11,000 ft. In general appearances this species is similar to a pale *L. sitchensis* Kol., but distinct by unmarked pterostigma, shorter discal cell, mark on basal joint of antenna, and line on fore femur.*

*It will be observed that we have Limnophilus in Trichoptera, while Mr. Coquillett, in a later section describes a species of Limnophila in Diptera. These names may be considered sufficiently distinct, but if not so considered, the genus of Diptera has priority. The Trichopterous Limnophilus is also antedated by Limnophilus Fitz., in Reptilia, according to the dates given in the Nomenclator Zoologicus; but Hagen credits Limnophilus to Leach, which would throw it before Fitzinger’s name. Banks (Tr. Am. Ent. Soc., XIX, 363) writes Limnophilus Leach, and this appears also in the Nom. Zool., with the date 1817, which is anterior to Macquart’s Limnophilus in Diptera. It would seem better to avoid confusion, to keep the original spelling of Limnophilus’ Leach, and drop Limnophilus (Burm., 1865) as a homonym.—T. D. A C.