

The females of this species will run down to *winnamanna* Malloch in my table of species in Group D, while the male, having the anterior scutellar bristles much weaker, will run down to *carlymensis* Malloch, from which the different venation readily separates it.

SOME NEUROPTERA FROM THE UNITED STATES.

BY REV. LONGINAS NAVÁS, S. J., ZARAGOZA, SPAIN.

The few Neuroptera enumerated below were all taken by my friend, Mr. J. R. de la Torre-Bueno, and generously added to my collection. The records may be useful, especially as they are of your local fauna. They include, also, species new to science. The enumeration is according to the accepted order of the families.

Family AESCHNIDÆ.

Boyeria vinosa Say. Lake Mahopac, Aug., 1902.

Æschna eremita Scudd. ♂. Lake Mahopac, Aug., 1902.

Family MYRMELEONIDÆ.

Hesperoleon abdominalis Say. Yaphank, L. I., July 4, 1913.

Family HEMEROBIIDÆ.

Sisyra lampra sp. nov.

Caput facie palpisque flavis; vertice et occipite aurantiacis; oculis fuscis; antennis fortibus, fuscis. Prothorax transversus, fuscescens, ferrugineo punctatus. Meso- et metanotum ferruginea. Pectus fuscum. Abdomen fuscum, apice ferrugineum. Pedes testaceo-flavi; pilis concoloribus; tarsorum quatuor primis articulis longitudine descrescentibus, quinto subæquali tertio.

Alæ angustæ, apice rotundate; stigmatè flavido; area costali angusta, subcostali lata; sectore radii unico. Ala anterior membrana in tertio apicali et plaga in tertio posteriore marginis fulvo-fusca; stria fusca ad ortum sectoris radii et alia obliqua ante stigma a costa ad sectorem; ceterum hyalina vel leviter flavido tincta; reticulatione fusca intra maculas, pallida extra illas, striis fuscis longitudinalibus inter venas; sectore radii duobus ramis,

apice vicissim ramosis; paucis venulis, fuscis. Ala posterior membrana leviter tincta præter marginem externum et posticum; reticulatione subtota fusca; stigmatè utrimque fusco limitato; sectore radii tribus ramis, duobus primis furcatis, seu duobus, apice ramoso; 6 venulis gradatis in arcum positis.

Long. corp. 2.5 mm., al. ant. 5.3 mm., al. post. 4.5 mm.

Patria. Lakehurst, N. J., June 28, 1911.

Climaciella brunea Say. Yaphank, L. I., July 10, 1913.

Hemerobius stigmaterus Fitch. White Plains, N. Y.

Micromus posticus Walk. Yaphank, L. I., Nov. 25, 1911.

Family CHRYSOPIDÆ.

Chrysopa chi Fitch. White Plains, N. Y., June 3, 1911.

Chrysopa stenostigma sp. nov.

Similis *Harrisi* Fitch. Flava.

Caput totum cum primo articulo antennarum rubellum; oculis palpisque fuscis; antennis flavis, pilis fuscis vestitis. Prothorax latior quam longior, angulis anticis oblique truncatis, superne marginibus lateralibus late fuscescentibus. Meso- et metanotum ad latera leviter fuscescentia. Abdomen flavum, flavo pilosum, immaculatum. Pedes flavi, fusco pilosi; tibiis posticis distincte compressis, linea impressa laterali distinctissima in tertio medio; tarsis flavescens; unguibus basi dilatatis. Alæ angustæ, acutæ, stigmatè angustissimo; reticulatione flava, fusco pilosa. Ala anterior area costali parum dilatata juxta basim, subcostali distincte ad venulam basilarem; venulis gradatis 6/8, in series parallelas dispositis; intermediis 5, prima ad ipsum apicem cellulæ fusiformis intra ipsam finiente. Ala posterior venulis gradatis 6/7.

Long. corp. 8 mm., al. ant. 11 mm., al. post. 10 mm.

Patria. Yaphank, L. I., July 25, 1913.

Chrysopa stichoptera sp. nov.

Similis *lineaticorni* Fitch. Viridis.

Caput facie, palpis, duobus primis antennarum articulis albidis; vertice viridi-albo; antennis longis, in quarto basilari nigris; dein sensim pallidioribus, primo articulo forti, externe linea nigra longitudinali signato, secundo externe et apice nigro; oculis in sicco

fuscis. Prothorax latior quam longior, antrorsum vix angustatus, viridis; superne linea laterali punctorum prope marginem lateralem rubra. Meso- et metathorax virides, inferne pallidiores. Abdomen viride, viridi pilosum, apice vix pallidius. Pedes virides, pallidi; tibiis posticis linea impressa longitudinali distincta, longa; tarsis flavescentibus; unguibus basi fortiter dilatatis. Alæ hyalinæ, irideæ; stigmatæ et reticulatione viridibus; apice subacutæ. Ala anterior venulis plerisque et axillis furcularium marginalium nigris, venulis gradatis $5/6$, intermediis 5, prima ad quartum apicale cellulæ fusiformis veniente; cellula fusiformi angusta. Venu-læ gradatæ, una subcostalis pone stigma et aliquot radiales leviter fusco marginatæ. Ala posterior sectore radii ad medium longiter nigro; venulis radialibus tribus primis initis, reliquis totis, gradatis $3/7$ totis, excepta prima in utraque serie, nigris; costalibus fere omnibus initium sectoris radii et venulis radialibus ramisque ex parte nigra sectoris procedentibus, nigris.

Long. corp. 7.3 mm., ant. al. 12 mm., al. post. 10.5 mm.

Patria. Yaphank, L. I., July 10, 1913.

Family NEUROMIDÆ.

Chauliodes pectinicornis L. ♀. Lake Mahopac, N. Y., T. D. O'Connor, July 12, 1903.

Family SIALIDÆ.

Sialis infumata Newm. White Plains, July 14; Yaphank, July 5, 1913.

Defoliating the weeds on the bank of the Morris Canal last summer, there were observed dozens of "wooly bears," the larvæ of the common *Diacrisia virginica*. A score of them were thrown into the water, three to six feet from shore. A slight current and breeze carried them straight along. Every caterpillar began at once to swim, all but one turning directly toward shore. One tried to swim across and was lost to observation. All the others reached shore within five minutes, none the worse for their ducking. There was nothing haphazard about their effort. It was a systematic undulating motion, quite like the swimming of a water snake, and quite as deliberate. R. P. D.

Bibliography of the Neuropterida

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