Did they in earnest seek? He sought In earnest too. From bounteous store He loved with lavish hand to pour Jewels of knowledge and of thought.

Responsive hearts, unwavering eyes

His steadfast gaze compelled again;
He loved the truth, his speech was plain,
He could not stoop to compromise.

IV.

Oh! all too rare the thoughtful mind That keeps abreast of Science' way And still reveres the older day, The simpler faith that lags behind.

Dead now, but while the ages run
His work shall live; 'tis such as he
Alone inspire posterity, '\*
Fathering their kind from son to son.

We know not when our days are sped, And I, who through his friendship stand, Would lift some falterer by the hand Ere I lie nerveless with the dead.

Trinity College School, Port Hope.

FRANK MORRIS

# SYNONYMICAL NOTES ON NORTH AMERICAN HOMOPTERA BY EDWARD P. VAN DUZEE, BUFFALO, N. Y.

On the occasion of a recent visit to New England it was my privilege to examine three interesting collections of insects: Mr. Samuel Henshaw very kindly gave me access to the fine entomological collections of the Museum of Comparative Zoology at Cambridge; to Mr. C. W. Johnson I am indebted for an opportunity of examining the valuable remains of the Harris collection, now housed in the museum of the Boston Society of Natural History, many of the species in which were determined for Dr. Harris by Thomas Say, and are the nearest approach to Say types new available to the student of American insects; and, finally, on the wat home I stopped over at Albany, where Dr. Felt very kindly opened up to my inspection the precious type specimens prepared by Dr. Fitch accompany his "Catalogue of the Homopterous insects in the State November, 1989.

of Natural History." While my time was all too limited, stally with the Harris collection, I made a careful examination of not the species, and in the present paper and in the one published October number of this journal I give some of the more interesting too f my studies.

At the end of this paper I add a list of the type species in the several hard the Hemiptera thus far established by me. Many of these types already been placed, either inferentially or directly, but all are tool here for convenience of reference.

## Anotia Bonnetii, Kirby.

In the Harris collection preserved in the museum of the Boston cay of Natural History, is an example of this insect which agrees with with my own determination of the species. It very closely miles Amalopota Fitchi, but is paler, the elytra are more hyaline and a different venation (see Can. Ent., XXV, p. 280, Nov., 1893), the his narrower before the eyes and more produced superiorly, and the same are narrower and more terete. Judging from the form of the same I would say that the specimen standing under this name in the collection is probably Amalopota Fitchi. I still think to best to the genus Amalopota, although it is scarcely more distinct from the than is Hynnis from Otiocerus.

## Lamenia vulgaris, Fitch.

An examination of the type preserved in the Fitch collection in the Museum at Albany shows this to be the large form found on oaks shout the Northern States. In this the male plates are very large, then inner edges slightly parted at base, then feebly sinuated to their diapex, which is armed with a long inwardly curved tooth, as in ed species. In my description of L. Californica (CAN. ENT., 11. p. 160, Aug., 1891), I applied the name vulgaris to another and ener species, which, perhaps, is not distinct from obscura, Ball. In northern specimens of this smaller species there is a reent ant angle more edge of the male plates, but its depth is subject to variation, attnicient series might show a gradation into obscura, in which this examting.

Ceresa bubalus, Fabr.

Fairm, as the species is determined by me in my studies in North an Membracidæ. The varieties "a" and "b" of Fitch are my

#### Ceresa patruelis, Stal.

In the collection of the Museum of Comparative Zoology at Cambridge are examples of this species from Mexico and Florida, which convince me that this is a good species quite distinct from testacea, Fairmon which the same museum has a series from Mexico and Guatemala Ceresa patruelis is larger, the pronotum is higher, the supra-humeral home are longer and more elevated, leaving the metopidium more concantransversely than in testacea, and the last ventral segment of the female avery short, with a broad shallow notch.

Ceresa testacea is a smaller and darker species, with the edge of the pronotal carina slenderly fuscous and the last ventral segment of the female longer and more deeply and triangularly notched almost to its base.

## Thelia Godingi, VanD.

There is a specimen of this species in the Fitch collection under the name *univittata*, Harris. A specimen of the latter species in the Harm collection shows my former determination to be correct.

### Telamona fagi, Fitch.

An examination of the type in the Fitch collection shows it to be be a slight variation of *cristata*, Fairm, and not identical with *scalaris*, Fairm as supposed by me. In fagi the colour is more fuscous and the antener foliole is less developed, but I cannot consider it a distinct species.

#### Telamona concava, Fitch.

The type in the Fitch collection agrees in every respect with the species as recognized in my studies in North American Membracide.

#### Telamona fasciata, Fitch.

An examination of the Fitch type shows this to be a male, as suggested by me in Psyche (V, p. 391, 1890), and the synonymy of my 1961 list must stand.

#### Telamona tristis, Fitch.

The type of this species in the Fitch collection is a female, as indicated by Dr. Fitch. The crest is shorter and higher than in coryli, and it is perhaps specifically distinct. I have recently taken a dark female of coryli on the hop horn-beam.

#### Carynota arcuata, Say.

Under this name in the Fitch collection is a specimen of an Ophiderma, probably salamandra, Fairm. I noticed the same erroneous determination in the Harris collection.

### Cyrtosia fenestrata, Fitch.

The Fitch type of this species is certainly identical with the form 3 certained by me with some doubt as muticus, Fabr., in my Studies in North American Membracide, and the same determination is found in the 1 th material in the National Museum. Whether this is the true muticus of tabicius is open to some doubt, although it was so determined by Dr. Therefore the Cornell University collection, and it agrees very closely with stars description of the Fabrician type. For the present I would use the same Cyrtolobus fenestratus for this species, placing muticus, Fabr., as a species still unrecognized in our present collections.

## Cyrtolobus vau, Say.

My determination of this species is correct by both the Harris and bach material.

### Tettigoniella gothica, Sign.

In the Harris collection is an example of this insect labelled *lettigonia hierog/yphica*, Say, but as this specimen was not determined by Say, it need not affect the synonymy of the species. Dr. Harris may not have known the western form to which Dr. Ball has recently restricted the same hieroglyphica, Say.

# Pediopsis trimaculata, Fitch.

An examination of the type in the Fitch collection shows that Obsorn and Ball were right in placing my *insignis* as a synonym of this groes. It is poorly described by Dr. Fitch.

# Idiocerus maculipennis, Fitch.

I was unable to find the type of this species in the Fitch collection. It is, however, easily recognized by the description given by Dr. Fitch. Unfortunately, this name was preoccupied by maculipennis, Curtis. I therefore propose the name IDIOCERUS FITCHI for our American species.

# Deltocephalus Melscheimeri, Fitch.

A careful examination of the Fitch type verifies Prof. Osborn's determination as made in his Jassidæ of New York State (20th Rept., N. Y. State Ent., p. 521, 1905). The name affinis, G. & B., will designate the larger species formerly determined by me as Melscheimeri.

# Scaphoideus auroniteus, Prov.

In the Harris collection I find this species labelled Jassus areatus, Harris. I quote this MS, name, as it has already appeared in print, and my Catalogue I suggested it as a possible misprint for Platymetopius aslus, which it now seems was erroneous.

## Phlepsius solidaginis, Walker.

In the Harris collection is an example of what is doubtless P(k, r) = humidus, Van Duzee, bearing the name Selenocephacus solidaginis, W(k, r) = 1 see no reason why we should not identify this with the insect description which we should not identify this with the insect description applies as well to this as to any other. Moreover, W(k, r) = 1 and his poor description applies as well to this as to any other. Moreover, W(k, r) = 1 and turpiculus, Ball, with the Harris specimen, and writes the would be inclined to consider that species as identical with humidus. The opinion coincides with my own, formed after a careful study of the Harris specimen, and I would sink humidus as a synonym of solidaginis, Warren

### Chlorotettix unicolor, Fitch.

The type in the Fitch collection shows my determination of species to be correct. The name *Vanduzei*, Baker, must be placed to a synonym of this.

Types of Genera Established by the Author. Brepholoxa, 1004, 17/1e Heidemanni, VanD. Xerocoris, 1906, trpe Snowi, VanD. Xestocoris, 1906, type nitens, VanD. Eurocalia, 1907, type collaris, VanD. Loxophora, 1908, 1908 transversa, VanD. Pelitropis, 1908, type rotulata, VanD. Amalopota, 1803, 197e Uhleri, Van D. · Pissonotus, 1807, type marginatus, VanD. Phyllodinus, 1897, trpe nervatus, Van D. Laccocera, 1897. type vittipennis, VanD. Macrotomella, 1907, Type carinata, VanD. Pentagramma, 1807, type vittatifrons, Uhler. Xantholobus, 1008, type inflatus, VanD. Tylocentrus, 1908. Irpe reticulatus, Van D. Idioderma, 1909, type virescens, Van D. Xestocephalus, 1894, type pulicarius, VanD. Neoslossonia, 1009. type Putnami, Osb. Eutettix, 1892, 11/2 luridus, VanD. Acinopterus, 1892, type acuminatus, VanD. Chlorotettix, 1892, type unicolor, Fitch. Tinobregmus, 1894, type vittatus, VanD.