

outer ones, the *FULVILLI*, alone are present. The *TARSUS*, composed of five joints, the proximal one of which is called the *META-tarsus*, the *TIBIA*, the *FEMUR*, and the *COXA*, attaching the leg to the thorax, will be readily understood.

A few words only, as regards the collection and preservation of flies. Moisture of any kind spoils all specimens; for that reason they should always be pinned, and never preserved in fluids. Further, the collecting bottle should be carefully lined with blotting paper to absorb the moisture exhaled. Many flies are injured by rubbing or handling. Specimens should always be pinned, never glued to cards.

CLASSIFICATION OF THE DIPTERA.—Professor Brauer has recently published* a classificatory system of Diptera, based upon the immature and mature stages, which, as the most recent exposition by one recognized as an authority in the classification of insects in general, is worthy of acceptance, at least in greater part. It will be difficult to supplant some of the names already in use, such as the *Muscaria calyptatræ*, etc., nor is such desirable; but names, here as elsewhere, are wholly of secondary importance—the facts or views to which such give expression are all that we at present care for. His system is as follows:

Sub-order **ORTHORRHAPHA.**

NEMATO-CERA.	{	Tribe <i>EUCERPHALA</i> . Mycetophilidæ, Bibionidæ, Chironomidæ, Culicidæ, Blepharoceridæ, Simuliidæ, Psychodidæ, Ptychopteridæ, Rhyphidæ.	
		Tribe <i>OLIGONEURA</i> . Cecidomyidæ.	
		Tribe <i>POLYNEURA</i> . Limnobiidæ, Tipullidæ.	
		Tribe <i>ACROPTERA</i> . Lonchopteridæ.	
BRACHY-CERA.	{	HOMODACTYLA.	Notacantha. Stratiom., Xyloph. Tanystoma. Tabanidæ, Acanthomeridæ, Leptidæ.
			Bombylimorpha Acroc., Nemistr. Procephala. Mydaiidæ, Asilidæ, Bombylidæ.
		HETERODACTYLA.	Polytoma. Therevidæ, Scenop.
			Empidæ, Dolichopodidæ.
		Tribe <i>ORTHOGENIA</i> .	

Sub-order **CYCLORRHAPHA.**

ASCHIZA.	{	Tribe <i>STERPHIDÆ</i> .	Syrphidæ, Pipunculidæ.
		Tribe <i>HYPOCERA</i> .	Phoridæ, Platypexidæ.
SCHIZO-PHORA.	{	Tribe <i>EUMYIDÆ</i> .	Schizometopa. Muscidæ calyptatræ. Holometopa. Muscidæ acalyptatræ.
		Tribe <i>PUPIPARA</i> .	Hippoboscidæ, Nycteridæ.

* Denkschr. d. k. Akad. d. Wissensch. XLVII. 11, 1883.