PRACTICAL ENTOMOLOGY.

PAPER V .- CLASSIFICATION OF INSECTS.

I OWER SERIES—Body usually flattened; prothorax large and squarish; mouth parts usually adapted for biting; metamorphosis often incomplete, pupa often active; larva flattened, often resembling the adult—Thysanura Neuroptera, Orthoptera, Hemiptera, Coleoptera.

HIGHER SERIES—Body usually cylindrical; prothorax small; mouth parts formed for sucking; larva usually cylindrical, very unlike the adult—Diprera,

Lepidoptera, Hymenoptera.

LOWER SERIES Wingless. No Metamorphic changes. Non-suctorial. 4 wings Large equal wings; transparent.	NEUROP-	Lepismatidæ—Bristle-tails Poduridæ-Spring-tails. Libellula—Darning needles Ephemera—May Flies Phryganea—Caddis Flies Corydalus-(horned great mandibles Termes—White Ants Gryllus—Crickets Locusta—Locusts
Front pair slightly thickened narrow end overlapping; hind pair broad and folded.	ORTHOP-{	Acrydium—Grasshoppers Phasma—Walking-ticks Blatta—Cockroaches Cimex—Bed bug Pediculus—Louse
Wingless and 4-winged. Suctorial. Legs slender.		Coreus—Squash bug Notanecta—Water boatman Gicada—17 yearl ocust Coccus—Cochineal Aphis—Plantl ouse
Non-suctorial. Front wings horny, closing with a sharp edge.	Colæop- { TERA	Cicindela—Tiger beetles Carabus—Ground " Dytiscus—Diving " Silpha—Carrion " Scarabæidæ—Goliath beetle Elater—Snapping " Pyrophorus—Lightening bug Coccinella—Lady bugs Cyrambycidæ—Long-horned beetle Curcuionidæ—Weevils
HIGHER SERIES Both suctorial and chewing. Two-wing ed.		Culex—Musquito Cecidomyia—Hessian Flies Tipula—Daddy-long-legs Pulex—Fleas Musca—House flies CEstrus—Bot flies
Four wings large and scaly. Legs not or active locomotion. Spiral proboscis or suction.	LEPIDOP-	(Papilio—Butterflies Sphingide—Hawk Moths (Noctue—Moths
Four wings, transparent. Morth for sucking or biting.	HYMUNOP TEERA	