

JOHNSON, James S., article by, 18.
Junonia cœnia, 196.

KELPICOTT, D. S., articles by, 3, 38, 157.
 Kirby's Fauna Boreali-Americana, 162.

Lachnosterna fusca, 195, 200.
Lachnus austali, n. s., 68.
 " *quercicolens*, n. s., 155.
Lebia grandis, 234.
 LECONTE, Dr. J. L., article by, 80.
 Length of life of butterflies, 181, 205.
Leptina ophthalmica, 152.
Leucania pseudargyria, larva of, 24.
 " *unipuncta*, 198, 215.
Libythea Bachmani, preparatory stages of, 226.
 Life duration of the Heterocera, 181, 217.
Limenitis arthemis, is it double-brooded, 237.
 " *eros*, 29, 79.
 " *missippus*, 29.
 " var. *Floridensis*, 29, 79.

LINTNER, J. A., articles by, 63, 217.
Lioptilus grandis, n. s., 141.
 " *Kellicottii*, n. s., 141.
Lithocolletis gregariella, n. s., 245.
 Longicorns, food habits of, 60.
Lucanus dama, 118.
Lycena pseudargyrius, 210.
 " *violacea*, 210, 216.

Macrosila cingulata, 256.
Mamestra anguina, n. s., 129.
 " *bisulca*, n. s., 230.
 " *condita*, 127.
 " *illaudabilis*, 129.
 " *laudabilis*, 129.
 " N. Amer. species of, 126.
 " *trifolii*, larva of, 23.
 " var. *oregonica*, 230.

Maple tree borer, 69, 236.
 MEAD, Theodore L., article by, 35.
 † *Altaea phaeton*, 196.
 MOFFATT, J. Alston, articles by, 18, 115, 175, 256.
 Mordella, on a larva of, 173.
 Moths, new, chiefly from Arizona, 229.
 " North American, 14, 33.
 MUNDT, A. H., article by, 35.
Musca cadaverum, 168.
 " *mortisequa*, 168.
 MURTFELDT, Mary E., article by, 242.

Nematis Frichsoni, 37.
 Noctuidæ, North Amer. in the Zutraege, 90.
 " new, 131.

Noctuid larvæ, notes on some, 23.
Notodonta concinna, 138.

Obituary, 256.

Cedematophorus Baroni, n. s., 73.
 " *cineraceus*, n. s., 73.
 " *gratiosus*, n. s., 73.
 " *lugubris*, n. s., 140.

Oncocnemis gracillinea, n. s., 231.
Oria sanguinea, 90.
 OSTEN SACKEN, C. R., article by, 80.

Packardia nigripunctata, n. s., 30.
Papilio ajax, 206.
 " " var. *Walshii*, 206.
 " " *telamonides*, 206.
 " " *marcellus*, 206.
 " *creosphontes*, 115.
 " preparatory stages of, 177.
 " *palamedes*, " " 119.
 " *philenor*, " " 9.
 " " on *Aristolochia siphon*, 37.

PEABODY, S. H., article by, 246.
 Pea bug, 235.
 Pear tree *Psylla*, 220.
 Perigrapha, list of species of, 133.
Perispasta immixtalis, n. s., 232.
 Persimmon *Psylla*, 222.
 Personal, 255.
Philampelus satellitia, 21.
Phyllaphis niger, n. s., 155.
Phytonomus punctatus, 215.
Platypitilus albicans, n. s., 71.
 " *Edwardssii*, n. s., 72.

Plusia falcifera, 163.
 " *iota*, 163.
 " *precatiosis*, early stages of, 21.
 " *rectangula*, 162.
Pogonocherus mixtus, 60.
 Poisons for insects, 201.
Prodenia lineatella, larva of, 24.
Psylla diospyri, n. s., 222.
 " *ilecis*, n. s., 225.
 " *magnoliæ*, n. s., 224.
 " *pyri*, 220.

Pteromalus maculatae, n. s., 171.
 Pterophoridae, 70, 140.
Pulex gigas, 169.
Pyrameis cardui, parasite on, 143.

Red-humped apple tree caterpillar, 138.
 REED, E. B., articles by, 176, 233.
 Retarded development in insects, 180, 203.
 RILEY, C. V., article by, 114.