and allow the animal freight to descend, which, then within a comparatively short distance of the Bermudas, would seek the nearest land by that instinctive impulse so characteristic of these tribes, and aided perhaps by perfect calm or favoring breeze, arrive at those distant isles, without encountering the dangers, which, in the form of contrary winds, would most certainly accompany an intentional migration to the islands? If our theory, however, be an incorrect one, as it may be, we should indeed be glad if some one would lend a helping hand to solve this question of a migration of tiny butterflies from the American main to those small and remote isles, six hundred miles away over the rolling waters of the trackless deep.

J. Matthew Jones.

Halifax, N. S., Nov. 15, 1875.

BIBLIOGRAPHICAL RECORD.

Authors and Societies are requested to forward their works to the Editor at the earliest date possible. We ask our readers to inform us of the publication especially of those works which are not generally consulted by entomologists.

B. Pickman Mann.

(Continued from page 120.)

The **Transactions of the American Entomological Society**, vol. v, as far as p. 118, contain Nos. 318 to 331.

* 318. G. H. HORN. Revision of the Species of *Trox* of the United States. p. 1-12.

Description, with synoptical tables, of 21 (*T. gemmulatus* = 1 new) spp.

* 319. W. H. EDWARDS. Descriptions of New Species of Diurnal Lepidoptera found in North America. p. 13-19.

Describes *Argynnis Rhodope*, *A. Nitocris*, *Satyrus Phocus*, *Melitaea Acastus*, *Synchloë Crocale*, *Geirocheilus Tritionia* = 6 n. spp.; re-describes *Erebia Haydeni*; list of 13 other butterflies, taken in British Columbia and Vancouver's Island.

* 320. G. H. HORN. Descriptions of New Species of United States Coleoptera. p. 20-43.

Describes *Cychrus minus*, *Hetaerius tristriatus*, *Paromalus difficilis*, *Nosodendron californicum*, *Esthesopus bicolor*, *Elater Phelpsii*, *Glyphonyx mimeticus*, *Oestodes puncticollis*, *Aplastus angusticollis*, *A. tenuiformis*, *A. corymbioides*, *A. molestus*, *Malachius macer*, *M. spinipennis*, *M. Thevenetii*, *Stibia ovipennis*, *S. hispidula*, *Chilometopon* (n. g. Epitragini), *Ch. helopioides*, *Schizillus* (n. g. Cryptoglossini), *S. laticeps*, *Eleodes velorator*, *Iphthimus*

zopheroides, *Nyctobates subnitens*, *Phthora americana*, *Scaphidema pictum*, *Helops arizonensis*, *Epicauta Rileyi*, *E. Alphonsii*, *Cantharis Crotchii*, *C. insperatus*, *Xanthochroa californica*, *Corphyra abnormis*, *C. Crotchii*, *C. monticola*, *C. inconspicua*, *C. Bardii*, *C. distinguenda*, *Mycteris quadricollis* = 2 n. gen., 37 n. spp.; re-describes *Aplastus speratus*, *A. optatus*, *Chilometopon abnorme*, *Cryptadius*, *C. inflatus*, *Iphthimus serratus* var., *Scotobaenus parallelus* ♂, *Epicauta sanguinicollis*, *Cantharis tenebrosa*, *Corphyra punctulata*, *C. funebris*, *C. vittata*; synoptical tables of the species of *Aplastus*, *Malachius antennis maris pectinatis*, *Stibia*, *Corphyra* (Pacific spp.); notes on the tribe *Gnathosiini*; synonymy of *Cardiophorus mimeticus*, *Limoniüs cribricollis*, *Eleodes texana*.

* 321. J. L. LeCONTE. Descriptions of New Coleoptera chiefly from the Pacific Slope of North America. p. 43-72.

Describes *Tetragonoderus latipennis*, *Pogonus parallelus*, *P. depressus*, *Hydroscapha* (n. g. *Hydroseaphidae*), *H. natans*, *Sepidulum* (n. g. *Hydrophilidae*), *S. costatum*, *Trigonurus Crotchii*, *T. caelatus*, *Zalobius* (n. g. *Oxytelini*), *Z. spinicollis*, *Trichonyx striatus*, *Tychus cognatus*, *Dermestes signatus*, *Trogoderma Belfragei*, *Kalissus* (n. g. *Micropeplidae*), *K. nitidus*, *Georyssus californicus*, *Throscinus* (n. g. *Parnidae*), *Th. Crotchii*, *Elmis divergens*, *E. corpulentus*, *E. seriatus*, *E. foveatus*, *E. vulneratus*, *E. caesus*, *Pachyplectrus* (n. g. *Hybosorini*), *P. laevis*, *Pelidnota lugubris*, *Cremastochilus retractus*, *C. crinitus*, *Scaptolenus estriatus*, *Brachypsectra* (n. g. *Rhipiceridae*), *B. fulva*, *Araeopus* (n. g. *Dasyllidae*), *A. monachus*, *Dicranopselaphus Edwardsii*, *Microphotus angustus*, *Matheteus* (n. g. *Lampyridae*), *M. Theveneti*, *Phengodes integripennis*, *Mastinocerus texanus*, *Silis spinigera*, *S. flavida*, *S. cava*, *S. vulnerata*, *S. filigera*, *Dilemnus obtusus*, *Trichodes bimaculatus*, *Lebasiella maculicollis*, *Hedobia granosa*, *Xestobium affine*, *X. squalidum*, *Vrilletta* (n. g. *Anobiini*), *V. Murrayi*, *V. expansa*, *V. convexa*, *Euceratocerus* (n. g. *Ptilinini*), *E. Hornii*, *Polycaon plicatus*, *P. obliquus*, *Phymatodes nitidus*, *Hybodera debilis*, *Xylotrechus planifrons*, *Toxotus virgatus*, *Strangalia delicata*, *Leptura rhodopus*, *Oberea quadricollis*, *Stereopalpus pruinosis*, *Eurygenus campanulatus*, *Eustrophus impressicollis*, *Blapstinus latifrons*, *Asclera discolor*, *Rhina frontalis*, *Cryphalus carinulatus*, *C. puncticollis*, *C. digestus*, *Xyleborus vicinus*, *X. hamatus*, *Tomicus latidens* = 11 n. gen., 69 n. spp., one each from Arizona, Utah? and Rhode Island, the rest from the Pacific Slope or Texas; re-describes *Pogonus texanus*, *Scaptolenus femoralis*, *Silis lutea*, *S. pallida*; synopsis of the species of *Silis*.

* 322. G. R. CROTCH. Descriptions¹ of New Species of Coleoptera from the Pacific¹ Coast of the United States. p. 73-80.

Describes *Omus sequoiarum*, *O. Edwardsii*, *Hydroporus* (*Coelambus*) *unguicularis*, *H. (C.) masculinus*, *Hydnobius Matthewsii*, *Anisotoma paludicola*,

¹ Many apparent misprints, like these, which have already appeared in *PSYCHE*, and for which we have been blamed, as showing negligence, result from our attempt to preserve accuracy in quotation. We shall endeavor to point out our own errors in a Table of Errata.—B. P. M.

Prostomis americanus, *Lasconotus?* *linearis*, *Oxylaemus californicus*, *Trogosita yuccae*, *Colastus yuccae*, *C. agavensis*, *Epuraea Hornii*, *E. (Dadopora) texana*, *E.?* *monogama*, *Ptomaphagus leptinoides*, *Grynocharis pilosula*, *Scymnus pacificus*, *S. coniferarum*, *S. Phelpsii*, *Chauliognathus Lewisii*, *Zeugophora californica*, *Cryptocephalus nigerrimus*, *Pachybrachys Donneri*, *P. circumcinctus*, *Glyptoscelis varicolor*, *Scelolyperus* (n. g. *Galerucini*), *S. tejonicus*, *Thricolema* (n. g. *Chrysomelidae*), *Th. anomala*, *Luperus graptoderoides*, *Orchestris ramosa*, *Crepidodera basalis*, *Odontota Hardyi* = 2 n. gen., 32 n. spp., one each from Canada, Texas and New Mexico, the rest from the Pacific Coast; establishes *Epuraeanella* (n. subg. *Epuraea*); synopsis of the species of *Chauliognathus*.

* 323. J. L. LECONTE. Note on the genus *Pleocoma* Lec. p. 81-84, fig. 1-5.

History of the generic definition; synopsis and description of the 4 (2 new) species; invalidity of improper names.

* 324. BARON [C.] R. OSTEN SACKEN. Description of the larva of *Pleocoma*, Lec. p. 84-87, fig. 1-4.

* 325. J. L. LECONTE. On the *Cupesidae* of North America. p. 87-88.

Describes *Priacma*, *Cupes lobiceps* = 1 n. gen., 1 n. sp.; synopsis of our 3 species of *Cupes*.

* 326. A. R. GROTE. Remarks on North American *Nocuidae* with descriptions of New Species. p. 89-98.

Describes *Agrotis Normanianus*, *Eurois pressus*, *Hadena flava*, *H. delicata*, *Homohadena Kappa*, *Pyrrhia angulata*, *Catocala simulatilis*, *C. Levettei*, *C. adoptiva*, *C. coelebs*, *C. anna* = 11 n. spp.; re-describes *Hadena mactata*; describes *Catocala innubens* var. *flavidalis* n. var.; seasons and distribution of several species of *Agrotis*; on *Catocala*, with list of the 74 N. A. species.

* 327. E. T. CRESSON. Descriptions of New *Hymenoptera*. p. 99-102.

Describes *Agama albipes*, *Stizus nevadensis*, *Vespa occidentalis*, *Agapostemon melliventris*, *Halictus trizonatus*, *Nomia nevadensis*, *Melissodes nevadensis*, *Bombus nevadensis* = 8 n. spp., from Nevada and New Mexico.

* 328. W. H. EDWARDS. Description of new species of Diurnal *Lepidoptera* found in North America. p. 103-111.

Describes *Apatura Leilia*, *Argynnis Nausicaa*, *A. Opis*, *A. Clio*, *Grapta Rusticus*, *G. Silvius*, *Thecla Siva* = 7 n. spp. from Arizona, Montana, and the Pacific coast.

* 329. W. H. EDWARDS. Description of a new species of *Catocala* from Arizona. p. 112.

Describes *Catocala Editha*.

* 330. A. R. GROTE. Descriptions of North American Moths. p. 113-118.

Describes *Mamestra lubens*, *Heliothis cupes*, *Cleophana occata*, *Agrotis excellens*, *Heliophila ligata*, *Prothymia orgiae*, *Cirrhobolina* (n. g.) *incandescens*, *Melanomma* (n. g.) *auricinctaria* = 2 n. gen., 8 n. spp.; describes *Orthosia disticha*; notes on *Bolina*, *B. ochreifascia*, *Cirrhobolina deducta*; *Syneda Stretchii* = *S. Howlandii*.

* 331. A. R. GROTE. Note on *Papilio Gundlachianus*. p. 118.

Indicates *Blakea* n. g., with *P. Gundlachianus* as type.

* 332. **The Cincinnati Quarterly Journal of Science**, vol. i, contains the following, and Nos. 333 to 339.

a. Definition of Species [extract from "Wallace on Natural Selection, p. 141," and "Darwin, Origin of Species, p. 67"], p. 84-86. b. The Late Professor Louis Agassiz [reprint of a notice "from Harper's Weekly January 24, 1874"], p. 86-88. c. Rules for Rendering the Nomenclature of Zoology Uniform and Permanent, reported and adopted at the Twelfth Meeting of the British Association for the Advancement of Science, held at Manchester, in June, 1842, p. 351-367.

* 333. JOHN BLACKWALL [misprinted "Blackwell"]. A Succinct Review of Recent Attempts to Explain Several Remarkable Facts in the Physiology of Spiders and Insects. p. 46-51.

Reprint from Journ. of Proc. Linnæan Society, vol. vii, p. 154-. Spiders can not propel threads to a distance; method of copulation of spiders; spiders and insects adhere to polished vertical surfaces by a gelatinous secretion.

* 334. J. BLACKWALL. Facts Relative to the Movements of Insects on Dry, Polished, Vertical Surfaces. p. 51-54.

Reprint from Journ. Linn. Soc., vol. viii, p. 136-. [See Rec., No. 333.]

* 335. A. G. WETHERBY. Method of Rearing Lepidoptera - Entomological Memoranda. p. 154-157.

Directions for rearing Lepidoptera in confinement.

* 336. ALFRED R. WALLACE. On the Phenomena of Variation and Geographical Distribution as illustrated by the Papilionidæ of the Malayan Region. p. 161-179.

Reprint from Trans. Linnæan Soc., vol. xxv, p. 1-. Special applicability of Papilionidæ to the explanation of these phenomena; character, rank, geographical distribution and variation of Papilionidæ; definition and exemplification of 1. simple variability, 2. polymorphism or dimorphism, 3. local form or variety, 4. co-existing variety, 5. race or subspecies, 6. species; variation as specially influenced by locality.