

Suksawat Ponpinij 2011: Taxonomy of the Longhorn Beetles (Coleoptera: Cerambycidae) in the North of Thailand. Doctor of Philosophy (Entomology), Major Field: Entomology, Department of Entomology. Thesis Advisor: Professor Preparat Hormchan, Ph.D. 703 pages.

A taxonomy of longhorn beetles (Coleoptera: Cerambycidae) in the North of Thailand was studied based on a survey of species in 17 provinces in the North of Thailand. More than 5,000 specimens of longhorn beetles were found on flowers, trees and light traps on 144 nights during 2004-2008. The survey resulted in collection of the specimens divided into 8 subfamilies. The identified species included 4 species in Disteniinae, 21 species in Prioninae, 1 species in Philinae, 1 species in Spondylidinae, 2 species in Aseminae, 3 species in Lepturinae, 115 species in Cerambycinae and 161 species in Lamiinae. Out of these, 308 species in 157 genera were identified and 86 species were found as new records for Thailand as follows: *Typodryas callichromoides*, *Spondylis buprestoides*, *Arhopalus exoticus*, *A. unicolor*, *Strangalia fluvialis*, *Anomophysis ellioti*, *A. elongata*, *Spinimegopsis piliventris antennalis*, *Aphrodisium cantori*, *Artimpaza colorata*, *A. lineata*, *A. paksensis*, *Camelocerambyx semiruber*, *Demonax albidofasciatus*, *D. dignus*, *D. semiluctuosus*, *Dere affinis*, *Erythrus laosensis*, *Epipedocera laticollis*, *E. subatra*, *E. vitalisi*, *Euryarthrum lambii*, *Hesperophanes erosus*, *Hyphus apicalis*, *Ipothalia pyrrha*, *Oplatocera oberthuri*, *Pachyteria equestris*, *Phyodexia concinna*, *Polyzonus flavocinctus*, *P. watsoni*, *Prothema laosensis*, *P. cakli*, *Pyrestes bicolor*, *Pyrestes dohertii*, *Rhaphuma clarina*, *R. elongata*, *R. mekong*, *R. pseudobinhensis*, *R. tricolor*, *Agelasta bifasciana*, *Anamera desmaculata*, *A. obesa*, *A. strandi*, *Anameromorpha metallica*, *Annamanum chebanum*, *Anoplophora birmanica*, *A. medenbachii*, *A. stanleyana*, *Astathes violaceipennis*, *Batocera thomsonii*, *Blepephaeus ocellatus*, *Cleptomtopus similis*, *Choeromorpha subfasciata*, *Cylindrepomus viridipennis*, *Driopea luteolineata*, *Epicedia maculatrix*, *Eutaenia albomaculata*, *Glenea mathematica*, *G. quadrinotata*, *G. subviridescens*, *G. vaga*, *Gnoma gilmouri*, *Hirtaeschopalaea fasciculata*, *Hoplothrix rivulosus*, *Mispila kamvengal*, *Monochamus guerryi*, *Nipholophia chujoi*, *Nupserha spinifera*, *Olenecamptus fouqueti*, *Parachydaeopsis laosica*, *Pharsalia duplicata*, *P. pulchroides*, *Phrissomorimus brunneus*, *Pterolophia bituberculatithorax*, *P. humerosa*, *P. mimoconsularis*, *P. paralaosensis*, *P. partealbicollis*, *Rhodopina griseipes*, *Serxia apicefuscipennis*, *Sthenias franciscana*, *Stibara humeralis*, *S. subpunctata*, *Thylactus uniformis*, *Trachystohammus subelongatus* and *Xenolea asiatica*. A checklist of species associated with each location and season were also provided.

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Thesis Advisor's signature