

undescribed species that would be difficult to characterize without the associated workers.

MATERIALS AND METHODS

Specimens were borrowed from various institutions, supplemented with specimens from my personal collection. Those institutions and curators who loaned specimens are as follows (most abbreviations from Arnett and Samuelson 1986):

AMNH American Museum of Natural History, Marjorie Favreau, Eric Quinter.

BMNH British Museum of Natural History, Barry Bolton.

CPCB Centro de Pesquisas do Cacau, CEPEC, Jacques Delabie (Brazil).

CFFC Collection of Fernando Fernández C. (Colombia).

CWEM Collection of William and Emma MacKay (Texas).

EMAU Ernst-Moritz-Arndt Universität Greifswald, G. Müller (Germany). (Mayr collection).

IMLA Fundación e Instituto Miguel Lillo, Universidad Nacional de Tucumán, Abraham Willink and Colomo de Correa (Argentina).

INPA Instituto Nacional de Pesquisas da Amazonia, Ana Yoshi Harada and José Albertino Rafael (Brazil).

LACM Los Angeles Co. Museum of Natural History, Roy Snelling (USA).

MACN Museo Argentino de Ciencias Naturales, Axel Bachman.

MCSN Museo Civico di Storia Naturale, Valter Rainieri (Italy). (Emery collection).

MCZC Museum of Comparative Zoology, Harvard University, Stefan Cover.

MHNC Museo de Historia Natural, Universidad Nacional de Colombia, Fernando Fernández, Isabel de Arévalo and Rubén Restrepo.

MHNG Muséum d'Histoire Naturelle, Genève, Cl. Besuchet (Switzerland). (Forel collection).

MIZA Instituto de Zoología Agrícola, John Lattke (Maracay, Venezuela).

MNHN Museum National d'Histoire Naturelle (France)

MZSP Museu de Zoologia da Universidade de São Paulo, Carlos Roberto Brando (Brazil).

NHMB Naturhistorisches Museum Basel, Michel Brancucci (Switzerland). (Santschi collection).

UAIC Department of Entomology Collection, University of Arizona, Tucson, Diana Wheeler

UNAM Instituto de Biología, Universidad Nacional Autónoma de