

The Type-Material of Central and
South American Clearwing Moths
(Lepidoptera: Sesiidae)

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and
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SMITHSONIAN CONTRIBUTIONS TO ZOOLOGY • NUMBER 261

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SMITHSONIAN INSTITUTION PRESS

City of Washington

1978

ABSTRACT

Duckworth, W. Donald, and Eichlin, Thomas D. The Type-Material of Central and South American Clearwing Moths (Lepidoptera: Sesiidae). *Smithsonian Contributions to Zoology*, number 261, 28 pages, 1978.—The type-material of Central and South American clearwing moths of the family Sesiidae is reviewed by bringing together all the available data for the 207 species group names applied to this faunal area. Of these 207 names, 50 required lectotype designations, 146 were described from single specimens, and the remaining 11 are lacking in sufficient data to determine the number of specimens included in the original type series. The names are arranged alphabetically by specific name preceded by the genus in which it was originally described. The following information sequence is presented for each name: original combination; reference to original description; pertinent comments from the original description concerning the number of specimens, sex, locality, collection, and source of the types; exact label data on types, their present location, and number of syntypes examined; and subsequent pertinent comments and actions.

OFFICIAL PUBLICATION DATE is handstamped in a limited number of initial copies and is recorded in the Institution's annual report, *Smithsonian Year*. SERIES COVER DESIGN: The coral *Montastrea cavernosa* (Linnaeus).

Library of Congress Cataloging in Publication Data

Duckworth, W. Donald, 1935-

The type-material of Central and South American clearwing moths (Lepidoptera, Sesiidae) (Smithsonian contributions to zoology ; no. 261) Bibliography: p.

I. Clearwing moths—Classifications. 2 Insects—Classification 3. Type specimens (Natural history) 4. Insects—Central America. 5. Insects—South America. I. Eichlin, Thomas D., 1938- joint author. II. Title. III. Series: Smithsonian Institution. Smithsonian contributions to zoology ; no. 261.

QL1.S54 no. 261 [QL561.S47] 591'.08s [595.7'81] 77-21104

The Type-Material of Central and South American Clearwing Moths (Lepidoptera: Sesiidae)

*W. Donald Duckworth
and Thomas D. Eichlin*

Introduction

This publication completes our efforts to clarify the considerable confusion which has existed concerning the type-material for the numerous names applied to species of Sesiidae in the Western Hemisphere. Our initial effort in this regard (Duckworth and Eichlin, 1973a) brought together all the available data for the 255 species group names applied to the Sesiidae of North America, north of Mexico. In the present paper the 207 names that have been applied to Central and South American species have been documented, making a total of 462 for the Western Hemisphere. Of these 207 names, 50 required lectotype designations, 146 were described from single specimens or designated holotypes, and the remaining 11 are lacking in sufficient data to determine the number of specimens included in the original type series. Two names, *championi* Druce and *verruco* Druce, had been previously included in the North American types publication and are excluded here although they were described from Mexico and Guatemala.

For various reasons 19 types could not be located.

Several of these are assumed lost and are so indicated. Where we indicate the type is unknown, it simply means that for a variety of reasons we have been unable to locate the specimens or verify their past or present deposition.

For the sake of continuity, the same format has been followed as used in the previous type-specimen paper, with the names arranged alphabetically by specific name, preceded by the genus in which it was originally described. As before, the following information sequence is presented for each name: original combination; reference to original description; pertinent quotations of comments from the original description concerning the number of specimens, sex, locality, collection, and source of the types; exact label data on types, their present location, and number of syntypes examined; and subsequent pertinent comments and actions.

Unlike the sesiids of North America, north of Mexico, which have been the subject of several comprehensive treatments (Beutenmüller, 1901; Engelhardt, 1946; McKay, 1968), the Central and South American fauna has been largely documented by various workers through periodic description of species. Zukowsky's (1936) treatment of the Western Hemisphere species in Seitz, *The Macrolepidoptera of the World*, is the only publication in which an effort was made to include all the Neotropical

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species known up to that time. However, it provides very little information on the included taxa and is of limited value in modern systematic studies.

In Central America, including Mexico and the West Indies, 44 species have been described. Except for 2 species from Costa Rica described by LeCerf, this diverse faunal area has had species described only from Mexico (28), Guatemala (9), and Panama (6). Only one species from Cuba has been described from the islands of the West Indies.

That the numbers given above fall far short of providing an accurate indication of the extant sesiid fauna of the Neotropics is best illustrated by the results of recent field studies conducted in Mexico. During a three week period, specimens representing over 30 species of sesiids were collected, more than half of which were undescribed! Thus, systematic studies currently in progress by the present authors should result in a significant increase in the numbers of Neotropical sesiids, as well as an improved understanding of their relationships.

In addition to presenting a survey of the Neotropical sesiid type-specimens, this paper provides an abbreviated picture of the family as a whole from this faunal area. One of the more striking aspects revealed by these data is the limited extent of our current knowledge of the Neotropical sesiid fauna. For example, in South America only 162 species-group names have previously been proposed for this vast and diverse area. By comparison, 259 names have been applied to the North American fauna, north of Mexico. Of the 162 South American names, 94 (approximately 58%) were described from Brazil, mostly by Walker (35) from the Amazon region from collections made by Bates. The remaining 59 names were described by 12 other workers including Zukowsky (19), LeCerf (12), Meyrick (7), and Butler (5).

Other areas of South America are very poorly represented by described species group names (68), especially the northern portion of the continent from Colombia to French Guiana from which only 20 species have been described. The western and southern portions of South America account for the remaining 48 names distributed in the following manner: Ecuador (2), Peru (16), Bolivia (7), Chile (6), Paraguay (4), and Argentina (13).

The institutional distribution of the 207 Central

and South American sesiid types along with the institutional abbreviations used in the text are as follows: American Museum of Natural History, New York (AMNH), 3; British Museum (Natural History), London (BMNH), 92; Instituto Miguel Lillo, Tucuman, Argentina (IML), 4; Museo Argentino de Ciencias Naturales, Buenos Aires (MAC), ?; Zoologisches Museum, Museum für Naturkunde der Humboldt-Universität zu Berlin, Berlin, DDR (MNHB), 7; Museo Nacional de Historia Natural, Santiago, Chile (MNSC), 4; National Museum of Natural History, Smithsonian Institution, Washington NMNH), 7; Naturhistoriska Riksmuseet, Stockholm, Sweden (NRSS), 1; University Museum, Hope Department of Zoology, University of Oxford, Oxford, England (OM), 3; Instituto de Biología, Habana, Cuba (PAD), 1; Museum National d'Histoire Naturelle, Paris (PM), 38; Natur und Forschungsinstitut Senckenberg, Frankfurt (SMF), 6; Zoologische Sammlung des Bayerischen Staates, München (SMM), 2; Instituto de Biología, Universidade Federal Rural do Rio de Janeiro, Brasil (UFRR), 2; Facultad de Ciencias Naturales y Museo, Universidad Nacional de la Plata, Argentina (UNLP), 3; Universität des Saarlandes, Saarbrücken, West Germany (USS), 8; Naturhistorisches Museum, Vienna (VM), 2; Westf. Landesmuseum für Naturkunde, Münster, West Germany (WLNLM), 2; and either unknown, lost, or destroyed, 22.

ACKNOWLEDGMENTS.—The authors wish to acknowledge with gratitude the cooperation and aid of the following individuals and institutions who, through their cooperation and assistance, have made the present publication possible: Dr. Frederick H. Rindge, American Museum of Natural History, New York; Dr. Klaus Sattler, Mr. Paul Whalley, Mr. Allan Watson, British Museum (Natural History), London; Dr. A. Willink, Instituto Miguel Lillo, Tucuman, Argentina; Dr. H. J. Hannemann, Museum für Naturkunde der Humboldt-Universität zu Berlin; Dra. Grete Mostny, Mr. Ariel Camouseight, Museo Nacional de Historia Natural, Santiago, Chile; Dr. Raul Cortes, Universidad de Chile, Santiago; Mr. Bert Gustafsson, Naturhistoriska Riksmuseet, Stockholm; Mr. I. Landsbury, Hope Department of Zoology, University of Oxford, England; Dr. Pastor Alayo D., Instituto de Biología, Habana, Cuba; Dr. P. Viette, Museum National d'Histoire Naturelle, Paris; Dr. Heinz Schroeder, Natur Museum and Forschungsinstitut Senckenberg,

Frankfurt; Dr. Wolfgang Dierl, Zoologische Sammlung des Bayerischen Staates, Munich; Dr. Cincinato R. Gonçalves, Universidade Federal Rural do Rio de Janeiro; Dr. Woody Benson, Universidade Estadual de Campinas, Brazil; Dr. Luis DeSantis, Universidad Nacional de La Plata, Argentina; Dr. H. Schreiber, Universität des Saarlandes, Saarbrücken, West Germany; Dr. Fritz Kasy, Naturhistorisches Museum, Vienna; Dr. Ludwig Franzisket, Westf. Landesmuseum für Naturkunde, Münster, West Germany; Mr. Fritz Plaumann, Santa Catarina, Brazil; Dr. H. G. Amsel, Landessammlungen für Naturkunde, Karlsruhe, West Germany, and Prof. Ramon Agenjo, Instituto Español de Entomología, Madrid, Spain. Special thanks are extended to our colleagues Dr. E. L. Todd, Systematic Entomology Laboratory, I.I.B.I.I. Institute,

U.S. Department of Agriculture, and Dr. J. F. Gates Clarke, National Museum of Natural History, Smithsonian Institution, for their suggestions and advice.

The authors also wish to acknowledge the assistance of Vira Milbank, former Museum Technician and Mr. Dan Thompson, Museum Technician, for bibliographic assistance; Mr. John B. Heppner, Predoctoral Fellow, for examining types in our behalf in various European museums and Magda R. Papp, Biological Technician, California Department of Food and Agriculture, for technical assistance.

This study was aided in part by grants from the Secretary's Fluid Research Fund and the Smithsonian Research Foundation, SRF-450105 and SFR-460104.

Catalog

1. *Ageria aequalis* Walker, 1864:9
"Male."

"a. Para. From Mr. Bates' collection."

HOLOTYPE: Male, in the BMNH: "LECTOTYPE"; "Para"; "Ageria aequalis"; "B.M., ♂ Genitalia Slide No. 15128."

2. *Synanthedon aerosa* Zukowsky, 1936:1236

"16 to 17 mm. Brazil, Itatiaya, December. Types: Coll. MARTEN."

SYNTYPES EXAMINED: 3 males (2 in the USS; 1 in the SMF): (1) "Type"; "28.XII.25, Mar. Blüt."; "Type, S. aerosa Zuk."; "Marten, aerosa"; "66 [circled in red] Itatiaya, 28.12"; "Saarbrücken." (2) "3"; "Marten, aerosa"; "36 [circled in red] Itatiaya, 28.12.25"; "Type: S. aerosa Zuk."; "28.XII.25, Mar. Blüten"; "Saarbrücken" (head missing). (3) "2"; "Marten, aerosa" [line through aerosa]; "Syntypus"; "Senckenberg Museum, Frankfurt a. Main."

DISCUSSION: The third syntype listed above from the SMF and noted by Zukowsky to be somewhat different in color pattern from the others in the series, is not conspecific with the other two syntypes. Since the first two syntypes best represent the initial portion of Zukowsky's description of *aerosa*, the first syntypic male from the USS, being in better condition, has been selected, labeled, and is designated as the lectotype.

3. *Sesia albicalcarata* Burmeister, 1878:361

"Cette espèce se trouve á Buénos-Ayres."

"El tipo se halla en el Museo Argentino de Ciencias Naturales de Buenos Aires" (Köhler, 1941: 5).

HOLOTYPE: Presumed to be in the MAC.

DISCUSSION: We have not examined this type nor received any response to our inquiries to MAC concerning it.

4. *Aegerina allotriochora* Zukowsky, 1936:1245

"Brazil, Villa Bella. 1 ♀. Type. Berlin Zool. Museum."

HOLOTYPE: Female, in the MNHB: "Villa Bella, Hhl"; "238"; "Typus"; "Type"; "Aegerina, allotriochora, Zuk."

5. *Aegerina alomyaeformis* Zukowsky, 1936:1245

"Brazil. Araraquara and Rio Preto (São Paulo, Brazil). 1 couple collected by Prof. A. SEITZ. Type. Senckenberg Museum."

SYNTYPES EXAMINED: 2 (both in the SMF): (1) "Araraquara, März 1927, Dr. Seitz leg."; "Senckenberg Museum"; "49"; "Aegeria alomyaeformis Zuk."; "Typus"; "Senckenberg Museum, Frankfurt a. Main" (male). (2) "Rio Preto, März 1927, Dr. Seitz leg."; "Senckenberg Museum"; "24"; "Paratypoid"; "Aegeria alomyaeformis Zuk."; "Senckenberg Museum, Frankfurt a. Main" (female).

DISCUSSION: The male syntype from the SMF has been selected, labeled, and is designated as the lectotype.

6. *Sincara alopecura* Zukowsky, 1936:1258
"Colombia, Umbria. 1 ♂. Type: Coll. ZUKOWSKY."

HOLOTYPE: Female, in the WLMN: "Columbia mer. Umbria"; "Type, Sincara alopecura Zuk."; "Zukowsky 2"; "Münster."

DISCUSSION: Note that the type is a female and not a male as indicated in the original description by Zukowsky.

7. *Alcathoë altera* Zukowsky, 1936:1247
"28 mm. Mexico. 1 ♂. Type: Berlin Zool. Museum."

HOLOTYPE: Male, in the MNHB: "6262"; "Mexico Ehrbg"; "131"; "Typus"; "Type"; "Alcathoë, altera Zuk."

DISCUSSION: The antennae are missing from the specimen.

8. *Sesia angarodes* Meyrick, 1921:443
"♂. 20 mm."
"Brazil, Manaus, November (Parish); 1 ex."
HOLOTYPE: Male, in the BMNH: "Holo-type"; "Manaus, Brazil, Parish, 11.19"; "Aegeria angarodes Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "Meyrick Coll., B.M. 1938-290"; "angarodes Meyr."

9. *Aegeria anomaliformis* Walker, 1856:47
"Male."
"a-c. Tapayos. From Mr. Bates' collection."
"d. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 4 (all in BMNH): (1) "Tapayos"; "Lectotype"; "82. *Aegeria anomaliformis*"; "Aegeria anomaliformis Wkr. Cat. Lp. Bm. 8.47 sp. 82 (1856) var x a. Tapayos (Bates, H. W.), 1854:18, TYPE ♂ (1/4) dextr."; "BM Genitalia slide No. 15130" (male). (2) "Tapayos"; "82. *Aegeria anomaliformis*"; "Aegeria anomaliformis Wkr. Cat. Lp. Bm. 8.47 sp. 82 (1856) var x b. Tapayos (Bates, H. W.), 1854:18, TYPE ♂ (2/4) dextr" (male). (3) "Tapayos"; "82. *Aegeria anomaliformis*"; "Aegeria anomaliformis Wkr. Cat. Lp. Bm. 8.47 sp. 82 (1856) var x c. Tapayos (Bates, H. W.), 1853:27, TYPE ♀ (3/4) dextr."; "anomaliformis Wlk. ♀, F. Le Cerf det" (female). (4) "Villa Nova"; "82. *Aegeria anomaliformis*"; "Aegeria anomaliformis Wkr. Cat. Lp. Bm. 8.47 sp. 82 (1856) var x d. Villa Nova (Bates, H. W.), 1855:37, TYPE

♂ (4/4) dextr."; "anomaliformis Wlk. ♂, F. Le Cerf det." (male).

DISCUSSION: The first male syntype listed from the BMNH from Tapayos has been selected, labeled, and is designated as the lectotype.

10. *Aegeria apicalis* Walker, 1864:8
"Female."
"a. Nanta. From Mr. Bates' collection."
HOLOTYPE: Female, in the BMNH: "Type"; "Amaz., Nanta"; "Abdomen Missing"; "Aegeria apicalis"; "Aegeria apicalis Wkr., Type ♀."

11. *Melittia arcangelii* Giacomelli, 1911:29
"Conservo los tipos en mi colección."
TYPES: Unknown.

DISCUSSION: The type-specimens of this species may be deposited in the MAC. Our inquiries have gone unanswered. There is a specimen in the BMNH from La Rioja, Argentina bearing a label: "Melittia Arcangelii Gioc., ♀?" This may possibly be one of the syntypes; however, there is no supportive evidence that such is the case.

12. *Tirista argentifrons* Walker, 1864:22
"a. Oajaca, Mexico. From M. Sallé's collection."
HOLOTYPE: Male, in the BMNH: "Type"; "58.135, Mex. (Oajaca); "Tirista argentifrons Wkr., Type ♂"; "Tirista argentifrons."

13. *Aegeria armasata* Druce, 1892:275
"Expanse 1¼ inch."
"Hab. Mexico, near Durango city (Becker)."
HOLOTYPE: Male, in the BMNH: "LECTO-TYPE"; "Near Durango City, Mexico. Becker"; "Type Sp. figured"; "B.C.A. Lep. Het. Aegeria armasata Druce"; "Godman-Salvin Coll. 97-52"; "B.M. ♂ Genitalia slide No. 15132."

14. *Synathedon asema* Zukowsky, 1936:1219
"Itatiaya Mts. in the State of Rio de Janeiro. ♂ type in the Coll. MARTEN (Königstein i. T.)"

HOLOTYPE: Female, in the USS: "6"; "Marten, asema"; "asema, Marten"; "Syn. asema Zuk."; "65 [circled in red] Itatiaya, I. 27"; "Saarbrücken."

DISCUSSION: This specimen was the only one we have seen from the Marten collection. Even though it is a female, it was collected in 1927 and labeled "Itatiaya" and, therefore, is considered by us to be the specimen from which Zukowsky described the species.

15. *Chamaesphexia atramentaria* Zukowsky, 1950:22
 "1 ♂; 23 mm, Peru (Vulkan Colima), Holo-Typus in der Zoolog. Staatssammlung München."

HOLOTYPE: Female, in the SMM: "Vulkan Colima, coll. Joh. Laue, 1918"; "Type, Chamaesphexia atramentaria Zuk."; "Original Specimen for Colour Slide No. LXXXII/67, fotogr. 1969, Clas Naumann"; "Staatssig. München"; "Genitalia Slide by M. R. Papp, CDA 216."

DISCUSSION: Note that the type is a female and not a male as indicated in the original description by Zukowsky.

16. *Aegeria aurantiibasis* Rothschild, 1911:46
 "Hab. Marcapata, East Peru, 3500 ft. (Garlepp), 1 ♀."

HOLOTYPE: Male, in the BMNH: "Type"; "Marcapate"; "E. Peru, 3500 ft."; "Aegeria aurantiibasis Rothschild Type"; (illegible note in French); "Tring Mus. 194"; "Rothschild Bequest, B.M. 1939-1."

17. *Aegeria aurata* Hy. Edwards, 1881:190

"1 ♂. Panama. (H.E.)"

"Type. Coll. Hy. Edwards."

HOLOTYPE: Female, in the AMNH: "429"; "Panama"; "No. 15454, Collection Hy. Edw."; "Type."

DISCUSSION: Note that the sex was misidentified by Edwards in the original description.

18. *Myrsila auripennis* Boisduval, 1874(75):433

"Envergure 24 millimetres."

"Elle se trouve au Para."

TYPE: Unknown.

19. *Rhipidura aurora* Philippi, 1859:1096

"DISTRIBUCIÓN GEOGRÁFICA Y ÉPOCA DE VULELO: Chile, Los Chiches, Vicuña, 640 m., prov. de Coquimbo, Ureta coll.; Santiago, Philippi coll. (Tipo en Col. M. N. n 2064); El Canelo, valle del Maipo, 6-XII-1936, Ureta coll.; Colchagua, 1860, Philippi coll.; Talca, fundo Las Mercedes, I-1933. H. Flaminio Ruiz coll.; Termas de Chillán, 1934, H. Fl. Ruiz, coll" (Ureta, 1956:262).

HOLOTYPE: Male, in the MNSC: "Holotipo"; "Santia., Ph. 1858"; "Rh. aurora Ph."; "2064"; "Synanthedon aurora Phil."; "Chile, M. N. H. N., Tipo No 640."

20. *Synanthedon autremonti* Le Cerf, 1917:312

"Type: 1 ♂, Brèsil, Etat de Minas-Geraës (1913); Coll. F.Le Cerf."

HOLOTYPE: Male, in the PM: "TYPE"; "Bresil, Minas-Geraes, ex E. Le Moulst"; "Synanthedon Autremonte Le Cerf, ♂ type Et. Lep. comp. XIV, 1917, p. 312, 3947."

21. *Leptaegeria axiomnemeuta* Zukowsky, 1936:1242

"Rio Songo (Yungas), 1200 m. 1 ♀. Type: Berlin Zool. Museum."

HOLOTYPE: Female, in the MNHB: "Rio Songo (1200 m), Bolivia (Yungas), 1896-Garlepp"; "Typis" [red]; "Type" [pink]; "239"; "Leptaegeria, axiomnemeuta, Zuk."

22. *Aegeria basalis* Walker, 1864:5

"Male."

"Female."

"a. Ega. From Mr. Bates' collection."

"b. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Lectotype", "Aegeria basalis Wkr. ♂, Cat. Lp. BM. 31.5 (1864) (Nie a E Sa), b. Villa Nova (Bates, H. W.), 1855:44, TYPE ♂ (2/2)"; "original head off (antennae having been already lacking)" [a head in gelatin capsule]; "B.M. Genitalia slide No. 15136" (male). (2) See type data for *Aegeria confusa* Butler.

OTHER MATERIAL EXAMINED: 1 (in the BMNH): "Amaz., Bates"; "Felder Colln."; "Type"; "basalis Wlk., ♀ Allotype, det. F. Le Cerf"; "Tring Ms. 304"; "Rothschild bequest, B.M. 1939-1" (female).

DISCUSSION: The syntype from Ega was used by Butler as the type of *Aegeria confusa*. It is our decision, based on the label data, that the specimen determined by Le Cerf to be the allotype of *basalis* is not one of the syntypes and that both syntypes have been accounted for. The male syntype in the BMNH from Villa Nova has been selected, labeled, and is designated as the lectotype.

23. *Melitta* [sic] *beckeri* Druce, 1892:276

"Hab. Mexico, near Durango city (Becker)."

HOLOTYPE: Male, in the BMNH: "Type"; "Type"; "near Durango city, Mexico, Becker"; "B.C.A. Lep. Het., Melittia Beckeri Druce"; "Godman-Salvin Coll. 97.-52"; "Type Sp. figured."

24. *Synanthedon benoisti* Le Cerf, 1917:299

"Types: 1 ♂, 1 ♀, Gourdonville, Guyane française, octobre 1914, ex R. Benoist; Coll. Museum de Paris.—Guyane française, ex Coll. C. Bar, Coll. Ch. Oberthür."

SYNTYPES EXAMINED: 2 (both in the PM): (1) "TYPE"; "Gourdonville, Guyane Franz, Oct. 1914, R. Benoist"; "(fig 3944)"; "Synanthedon benoisti LeCerf, Et. Lepid. comp. 14, 1917, p. 299, fig. x:3944 (P. Viette, 3-1951)" (male). (2) "Guyane Francaise, Collection C. Bar"; "Synanthedon Benoisti LeCerf, ♀ Type, Et. Lep. Comp. XIV p. 299 fig. 3969, F. LE CERF det. 1917"; "Ex. Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann" (female).

DISCUSSION: The male syntype from Gourdonville in the PM has been selected, labeled, and is designated as the lectotype.

25. *Melittia bergii* Hy. Edwards, 1883:157

"Exp. wing, 37 mm. Buenos Ayres. Dr. C. Berg."

HOLOTYPE: Female, in the AMNH: "Melittia bergii Hy. Edwards, Type"; "Buenos Ayres, Dr. Berg"; "No. 15770 Coll. Hy. Edw."

26. *Teleosphacia bibio* Le Cerf, 1916:11; 1917:280
"♂ nov. sp."

"Bolivie, Cochabamba, Yunga del Espiritu Santo; ex P. Germain (1888-1889)."

"Coll. Ch. Oberthür" (Le Cerf, 1917:281).

HOLOTYPE: Male, in the PM: "TYPE"; "*Teleosphacia bibio* Le Cerf, ♂ Type, Et. Lep. comp. XII fig. 3160, XIV p. 150, F. LE CERF det. 1917"; "Bolivie, Cochabamba (Yunga del Espiritu Santo) P. Germain, 1888-89"; "(fig. 3160)"; "Ex Collection, Ch. Oberthür, acquise en IV-1925 par. R. Biedermann."

27. *Aegeria blaciformis* Walker, 1856:55

"Female."

"Valley of the Amazon. In Mr. Saunders' collection."

HOLOTYPE: Male, in the OM: "Lectotype"; "AMAZON, Ex Coll (1830-73) W. W. Saunders, Presented 1873 by Mrs. F. W. Hope, m.s. locality by W.W.S." [2 of these labels]; "63"; "33 F. LeCerf"; "Lectotype ♂, *Aegeria blaciformis* Walker, teste K. Sattler 1968"; "Genitalia, K. Sattler 642c"; "Genitalia 494-1969"; "TYPE LEP.: No. 72, *Aegeria blaciformis* Walker, Hope Dept. Oxford."

DISCUSSION: We believe this specimen to be a holotype rather than part of a syntypic series. Note that Walter misidentified the sex in his description of the species.

28. *Chamaesphacia borsanii* Köhler, 1953:21

"Cotipos: col. P. Borsani y del autor."

"Habitat: Mendoza."

"Planta alimenticia: Senecio filogenoides D. C."
"El adulto hace eclosión al principio del mes de noviembre (1-XI-40)."

SYNTYPES EXAMINED: 4 (all in the IML): (1) "Insectario, 1-XI-40, S senecio, Detraj Pargue"; "COTYPUS"; "Chamaesphacia borsanii Khl., Det. Koehler" (male). (2) "Mendoza, le. Borsani"; "COTYPUS"; "Chamaesphacia borsanii Khl., Det. Koehler" (female). (3) "Mendoza, le. Borsani"; "COTYPUS"; "Chamaesphacia borsanii Khl., Det. Koehler" (female). (4) "Mendoza, le. Borsani"; "COTYPUS"; "Chamaesphacia borsanii, Khl., Det. Koehler"; "el. ex Senecium filogenoides DL." (male).

DISCUSSION: The first male syntype listed above is in good condition and has been selected, labeled, and is designated as the lectotype.

29. *Synanthedon bosqi* Köhler, 1941:6

"♀"

"Alotipo en la colección del autor."

"Habitat: Pindapoy, III-1936, leg. Bosq."

HOLOTYPE: Female, in the IML: "Misiones Pindapoy, III-1936"; "TYPUS, Alotipo"; "Synanthedon bosqi Khl., Det. Köhler."

DISCUSSION: Although the label indicates this specimen may be an allotype, it is not the usual kind of designation Köhler used, and no additional specimens were located. It is our conclusion that the above specimen is a holotype.

30. *Melittia brabanti* Le Cerf, 1917:212

"Fig. 3927. *Melittia brabanti*, ♂. Gourdonville, Guyane française, ex E. Le Moul't (1909)."

"Type: 1 ♂. Guyane française, Gourdonville, ex. E. Le Moul't, Coll. F. Le Cerf" (Le Cerf, 1917:212).

HOLOTYPE: Male, in the PM: "TYPE"; "Gourdonville, Guy. Franc., E. Le Moul't"; "3927, *Melittia brabanti*; Le Cerf. ♂ Type, Et. Lepidopt. comp. XIII (1917) p. 212."

31. *Chamaesphacia breyeri* Köhler, 1941:7

"♀;"

"Habitat: Zapala, Neuquén. I-1938. Breyer leg."

"Alotipo en Col. Breyer."

HOLOTYPE: Female, in the UNLP: "Zapala, 1938, Argentina"; "Alotipus"; "Chamaesphacia breyeri Khl., Det. Koehler"; "2250"; "Ageriidae argentinas, Instituto Lillo, Tucuman 1941"; "Museo La Plata."

DISCUSSION: Although Köhler refers to this speci-

men as an allotype, this usage is incorrect and the specimen should be considered the holotype.

32. *Aegeria buprestiformis* Walker, 1856:47
"Female."

"Valley of the Amazon. In Mr. Saunders' collection."

HOLOTYPE: Female, in the OM: "Lectotype"; "Amazon, Ex Coll (1830-73) W. W. Saunders, Presented by Mrs. F. W. Hope, m.s. locality by W.W.S." [two identical labels]; "Amaz."; "14"; "Lectotype ♀, *Aegeria buprestiformis* Walker, teste K. Sattler 1968"; "Genitalia: K. Sattler, 642d"; "Genitalia 493-1969"; "TYPE LEP: No 67, *Aegeria buprestiformis* Walker, Hope Dept. Oxford."

DISCUSSION: In spite of the labeling, this specimen should be considered the holotype.

33. *Melittia butleri* Druce, 1883:32.

"Hab. MEXICO, Oaxaca (Salle, mus. Brit.)."

HOLOTYPE: Female, in the BMNH: "Type"; "Omiteme, Guerrero, 8000 ft., Aug., H. H. Smith"; "B.C.A. Lep. Het. *Melittia butleri* Druce"; "Godman-Salvin Coll. 97.-52."

DISCUSSION: Despite the discrepancy in labelling, the above indicated specimen is clearly the type.

34. *Ichneumenoptera caeruleifascia* Rothschild, 1911:47

"Hab. Marcapata, East Peru, 3500 ft. (Garlepp), 2 ♂ ♂."

SYNTYPES EXAMINED: 1 (in the BMNH): "Type"; "Marcapate, E. Peru, 3500 ft."; "Ichneumenoptera caeruleifascia Rothschild, Type"; "Tring Mus. 191"; "Rothschild Bequest B.M. 1939-1" (male).

OTHER MATERIAL EXAMINED: 1 (in the BMNH): "Cuzco, Peru"; "Tring Mus. 192"; "Rothschild Bequest. B.M. 1939-1" (male).

DISCUSSION: The labeling on the first specimen listed above corresponds to the original description. Rothschild may have intended for the second specimen to be one of the types, but this cannot be proven by the labels on the specimen. The male syntype from Marcapate in the BMNH has been selected, labeled, and is designated as the lectotype.

35. *Melittia calabaza* Duckworth and Eichlin, 1973b: 151

"Types: Holotype: ♂, Mexico: Mex., Teotihuacan, July 1, 1965, O. S. Flint, (USNM No. 72384)."

HOLOTYPE: Male, in the NMNH: "MEXICO:

MEX., Teotihuacan, July 1, 1965, O. S. Flint"; "HOLOTYPE ♂, *Melittia calabaza* Duckworth and Eichlin, U.S.N.M. 72384."

36. *Sincara cambyses* Druce, 1884:33

"Hab. PANAMA, Bugaba (Champion)."

"A small species, of which only a single specimen has been sent."

HOLOTYPE: Female, in the BMNH: "Type H.T."; "Bugaba, Panama. Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Sincara cambyses* Druce"; "Type. Sp. figured."

37. *Aegeria* (?) *ceraca* Druce, 1893:280

"Hab. British Guiana, Essequibo River (Whitely, Mus. Druce)."

SYNTYPES EXAMINED: 3 (2 in the BMNH; 1 in the PM): (1) "Type"; "British Guiana, Whitely"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291."; "Aegeria (?) *ceraca* Druce, Type"; "53"; "probableint f. geogr. foncee de *buprestiformis* Wlk." (female, BMNH). (2) "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "British Guiana, Whitely" (female, BMNH). (3) "British Guiana, Whitely"; "ceraca Dr., ♀ Cotype, J. Joicey ded. XI-1920, Coll. F. Le Cerf."; folded note, handwritten in French, unreadable (female, PM).

DISCUSSION: The first female syntype listed above in the BMNH has been selected, labeled, and is designated as the lectotype.

38. *Aegeria cerceriformis* Walker, 1856:49

"Male and female."

"a. Para. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "Lectotype"; "Para"; "87. *Aegeria cerceriformis*"; "Aegeria cerceriformis ♀, Cat. Lp. BM. 8.49.50 sp. 87 (1856), a. Para (Bates, H. W.), 1850:4, Type ♀ (1/1) desc."; "myrmosaepennis Wlk. ♀, F. Le Cerf det. 1920"; "B.M. Genitalia slide No. 15135."

DISCUSSION: Although Walker indicates that he is describing both the male and female, the label notation "(1/1)" on the female type above was usually meant to signify that he had a single specimen in the lot. We feel, therefore, that this specimen is a holotype and not a lectotype as indicated by the label which some unidentified person affixed to it.

39. *Aegeria ceres* Druce, 1883:31

"Hab. GUATEMALA, Totonicapan 8500 to 10,000 feet (Champion)."

"This species is very distinct. Only a single specimen has been sent."

HOLOTYPE: Male, in the BMNH: "Type H.T."; "Tonicapam, 85–10500 ft. Champion"; "Godman-Salvin Coll. 97.–52"; "B.C.A. Lep. Het. *Aegeria ceres* Druce"; "Type Sp. figured"; "B.M. ♂ Genitalia slide No. 15134."

40. *Aegeria ceropaliformis* Walker, 1856:52

"a. Para. From Mr. Bates' collection."

"b, c. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type"; "Para"; "*Aegeria ceropaliformis* Wkr., Type ♂"; "*Aegeria ceropaliformis*" (female). (2) "Co-type"; "Villa Nova"; "*Aegeria ceropaliformis* Wkr., P. type ♂" (male).

DISCUSSION: A third syntype, "c", could not be located. Walker apparently thought he had only males, but in fact his specimen from Para is a female. Since we feel it is preferable to have a male type, the male syntype from Villa Nova in the BM has been selected, labeled, and is designated as the lectotype.

41. *Pseudalcathe chatanayi* Le Cerf, 1916:14, 1917:321

"Envergure: 33.5 Millimetres."

"Type: 1 ♂, Volcan de Chiriqui V–VI–1898; ex Marc de Mathan; Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "Type"; "*Pseudalcathe chatanayi* Le Cerf, ♂ Type, Et. Lep. Comp. XII fig. 3196, XIV p. 321, F. LE CERF det. 1917"; "Volcan de Chiriqui, Mai – Juin 1898, M. de Mathan"; "Ex Collection Ch. Oberthüre, acquise en IV–1925 par R. Biedermann."

42. *Aegeria chea* Druce, 1899:203

"Hab. Amazons (Leech, Mus. Druce)."

HOLOTYPE: Male, in the BMNH: "Type"; "Amazons Leech."; "Presented by J. J. Joicey Esq., Brit. Mus. 1931–291"; "*Aegeria chea* Druce, Type"; "76."

43. *Melittia chimana* Le Cerf, 1916:9; 1917:163

"♀, Equateur, la Chima, Prov. los Rios (1^{er} semestre 1893); ex Marc de Mathan."

"Type: 1 ♀, Equateur, La Chima, Prov. los Rios (1^{er} semestre 1893); ex Marc de Mathan; Coll. Ch. Oberthür" (Le Cerf, 1917:163).

HOLOTYPE: Female, in the PM: "TYPE"; "*Melittia chimana* Le Cerf, ♀ type, Et Lep. comp.

XII fig. 3132, XIV p. 163, F. LE CERF det. 1917"; "Equateur, La Chima (Prov. los Rios) 1^{er} Semestre 1893, Marc de Mathan"; "Ex Collection Ch. Oberthür, acquise en IV–1925 par R. Biedermann"; "(fig. 3132)."

44. *Pyropteron chrysomelaena* Le Cerf, 1917:294

"Type: 1 ♂, Brésil, Rio – Janeiro; ex P. Germain (1883); Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "Type"; "*Pyropteron chrysomelaena* Le Cerf, ♂ type, Et Leg. comp. XII fig. 3165, XIV p. 294, F. LE CERF det. 1917"; "Brésil, Rio de Janeiro, P. Germain, 1883"; "fig. 3165"; "Ex Collection Ch. Oberthür, acquise en IV–1925 par R. Biedermann."

45. *Leptaegeria cillutincariensis* Zukowsky, 1936:1243

"Bolivia, Cillutincara, 3000 m. January. Type: Berlin Zool. Museum."

HOLOTYPE: Female, in the MNHB: "Cillutincara (3000 m), Bolivia (La Paz?), Jan. 1896. Garlepp"; "Typus" [red]; "Type" [pink]; "240"; "*Leptaegeria, cillutincariensis*."

46. *Aegeria cladiiformis* Walker, 1856:51

"Female."

"a. Santarem. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "Type"; "Santarem"; "*Aegeria cladiiformis*"; "*cladiiformis* Wlk = plumipes Wlk. ♀ frottee and avec la touffe blanche du tibia postérieur . . . , F. LE CERF det. 1926."

47. *Synanthedon coccidivora* Duckworth, 1969:487

"Types.—Holotype: male, Cata, Aragua, Venezuela, 7.III.67, en Ceroplastes, A. D'Ascoli; W.D.D. ♂ genitalia slide no. 3769 (U.S.N.M. Type No. 70719). Paratypes 5 males, 16 females same data as holotype; 1 male, 2 females same locality as holotype, 19.II.68. One male and one female paratype in the collection of the Facultad de Agronomía, Universidad Central de Venezuela, remainder in the U. S. National Museum."

HOLOTYPE: Male, in the NMNH: "Cata, Venezuela, Aragua, S.Am, 7.III.1967"; "A. Dascoli Col."; "En Ceroplastes"; "Venezuela Inst. Zool. Agricola-Fac. Agronomía Univ. Central"; "♂ genitalia on slide 21.IX.1967, W.D.D. 3769"; "**HOLOTYPE**, *Synanthedon coccidivora* Duckworth, U.S.N.M. 70719."

48. *Stenophecia columbica* Le Cerf, 1917:286

"Type: 1 ♀, Santa-Fé de Bogota, Colombie, Coll. F. Le Cerf."

HOLOTYPE: Female, in the PM: "TYPE"; "*Stenophecia columbica* Le Cerf, ♀ type"; "Calumbic, Sta Fé de Bogota, ex G. A. Baer"; "*Stenophecia columbica* Le Cerf, Et. Lepid. compar., 1917, 14.p. 286."

49. *Neopshencia combusta* Le Cerf, 1916:9; 1917:237

"O nov. sp. Bolivie, Cochabamba, Yunga del Espiritu-Santo; ex P. Germain (1888-1889)."

"Type: 1 ♀, de Bolivie, Cochabamba, Yunga-del-Espiritu-Santo; ex P. Germain (1888-1889); Coll. Ch. Oberthür."

HOLOTYPE: Female, in the PM: "TYPE"; "*Neopshencia combusta* Le Cerf, ♀ type, Et. Lep. comp XII fig. 3137, XIV p. 237, F.LE CERF det. 1917"; "Bolivie, Cochabamba, (Yunga del Espiritu Santo), P. Germain 1888-89"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(Fig. 3137)."

50. *Aegeria confusa* Butler, 1874:409

"The *AE. basalis* (♀) of Walker, from Ega, is a distinct species, and probably referably to his genus *Sincara* . . ."

HOLOTYPE: Female, in the BMNH: "Type"; "Ega"; "*Aegeria basalis* Wkr., ♂, Cat. Lp. B.M. 31.5.(1864), (nec. b. Villa Nova), a. Ega (Bates, H. W.), 1858:6, TYPE ♂ (+ ♀) 1/2"; "*Aegeria confusa* Btlr., ♂ (=basalis Wkr. ♀) Butlr Ann. Mag. N.H. (4 S.) 14.409 (1874), a. Ega (Bates, H. W.), 1858:6, TYPE ♂ (1/1) = basalis Wkr. ♀"; "tryphoniformis Wlk. = confusa Btlr., ♂, F. LeCerf det. 1920."

51. *Synanthedon coquimbensis* Ureta, 1956:265

"Holótipo ♂ de La Serena, 10-II-1943, Sr. Raúl Orellana coll. (Col. M. N. n. 4974)."

"Alótipo ♀ de Nueva Elqui, 3000 m., provincia de Coquimbo, 26-III-1937, Sr. Rodolfo Wagenknecht coll. (Col. M. N. n. 2078)."

"4 parátipos ♂♂; 1 de La Serena, 18-II-1935 (Col. M. N. n. 4975); 2 de Nueva Elqui. 26 y 27-III-1937 (Col. M. N. nos. 2080 y 2079); 1 de El Pangué, Dep. de Elqui, 2000 m., 15-II-1953, Ureta coll. (Col. M. N. n. 4976)."

HOLOTYPE: Male, in the MNSC: "Holotipo"; "LA SERENA, 10-Febrero.1953"; "4974"; "Synan-

thedon coquimbensis UR."; "♂"; "Chile, M.N.H.N., Tipo No 632."

52. *Aegeria corporalis* Meyrick, 1930:260

"1 ex., Taperinha, July. Nearest to the larger *aequalis* Walk."

HOLOTYPE: Female, in the VM: "Type"; "Unt. Amaz. Taperinha b. Santarem, 11.-20.VII. '27. Zerny"; "*Aegeria corporalis* Meyr."; "Original Specimen for Colour Slide No. LXXXII/71, photogr., 1969, Clas Naumann."

53. *Leptaegeria costalimai* Köhler, 1953:21

"Brasil: sin habitat exactos."

"Holótipo: N° 9406 de la Escuela Superior de Agricultura, Gabinete de Entomologia, Rio de Janeiro."

HOLOTYPE: Female, in the UFRR: "9406"; "HOLOTIPO"; "*Leptaegeria costa-limae* Khlr., Det. Koehler."

DISCUSSION: There are additional specimens in the UFRR from the same rearing lot (DDSV 2255). "Escuela Superior de Agricultura" was the former name for the UFRR in Rio de Janeiro.

54. *Aegeria crassicornis* Walker, 1864:7

"Female."

"a, b. Ega. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Cotype"; "Ega"; "*Aegeria crassicornis*" (female). (2) "Type"; "Ega"; "*Aegeria crassicornis* Wkr., Type ♀" (female).

DISCUSSION: The first female syntype listed above, which is the better of the two specimens, has been selected, labeled, and is designated as the lectotype.

55. *Parasesia cristallina* Le Cerf, 1916:11, 1917:322

"Type: 1 ♀, Brésil, Prov. de Rio-Janeiro, lagune de Sacuaresma; ex P. Germain (août-septembre 1884); Coll. Ch. Oberthür" (Le Cerf, 1917).

HOLOTYPE: Female, in the PM: "TYPE"; "*Parasesia cristallina* Le Cerf, ♀ type, Et. Lep. comp. XII fig. 3161, XIV p. 322, F. LE CERF det. 1917."; "Brésil, Prov. Rio Janeiro, Lagune de Sacuaresma, P. Germain, Août, Sept. 1884"; "(fig. 3161)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

56. *Aegeria croesiformis* Walker, 1856:53

"Male."

"a. Para. From Mr. Bates' collection."

"b. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type"; "Para"; "Aegeria croesiformis Wkr., Type ♀"; "94. Aegeria croesiformis" (female). (2) "Co-type"; "Villa Nova" (female).

DISCUSSION: In the Latin portion of Walker's original description, he writes, "Foem.", but the English portion starts out with "Male." The syntypes are both females. The female syntype in the BMNH from Para has been selected, labeled, and is designated as the lectotype.

57. *Aegeria cryptiformis* Walker, 1856:59

"Male."

"a-----?"

"Patria uncertain, presumably South America. The type is a ♂. Not being mentioned in any fauna, it is quoted here (Zukowsky, 1936:1244)."

HOLOTYPE: Male, in the BMNH: "Type"; "Aegeria cryptiformis" [label cut from Walker catalog]; "Aegeria cryptiformis Wkr., Cat. Lep. BM, 8: 159, 1856, type ♀"; "ichneumonif is ♂, Europe (sv) F. F. Le Cerf 1963."

DISCUSSION: There is no locality data associated with this type and, as noted above, Zukowsky listed it with the Neotropical sesiids primarily because it had not been previously listed elsewhere. The last label on the specimen apparently means that Le Cerf identified the specimen as *ichneumoniformis*, a European species. The specimen is badly greased and will require dissection and examination of the genitalia for precise identification. It seems very likely, however, that this species will prove not to be a part of the Neotropical sesiid fauna.

58. *Sesia cubana* Herrich-Schaffer, 1866:106.

"250/467 der Sendung des Hrn. Gundlach."

HOLOTYPE: Destroyed (in the PAD).

DISCUSSION: The following comment on the condition of this type was received from Dr. P. Alayo D., Habana, Cuba: "The type of *Sesia cubana* H. Sch. is completely worthless, eaten by psocids, with the wings reduced to a few nervures, without legs or antennae, and completely denuded of scales."

59. *Melittia cyaneifera* Walker, 1856:67

"a. Rio Janeiro. From Mr. Stevens' collection."

"b. Brazil. From Mr. Stevens' collection."

SYNTYPES EXAMINED: 1 (in the BMNH): "Type"; "Brazil";

"4. *Melittia cyaneifera*" (female).

DISCUSSION: Only one of the two syntypes could be located; therefore, the above female syntype from Brazil has been selected, labeled, and is designated as the lectotype.

60. *Bombosceles cyanomyia* Meyrick, 1930:260

"♀, 14 mm."

"1 ex., Taperinha, July."

HOLOTYPE: Male, in the VM: "Type"; "Unt. Amaz. Taperinha b. Santerem, 21.-31.VII. '27. Zerny"; "Bombosceles cyanomyia Meyr."; "Original specimen for Colour Slide No. LXXXII/73, fotogr. 1969, Clas Naumann."

61. *Conopia dasyproctos* Zukowsky, 1936:1242

"Brazil, Bahia. Type: Berlin Zool. Museum."

HOLOTYPE: Male in the MNHB: "Bahia Gomes" [green]; "219"; "Typus" [red]; "Type" [pink]; "Conopia, dasyproctos, Zuk."

62. *Parharmonia daturae* Busck, 1920:83

"Habitat: Mexico City, Mexico (Roberto Müller)."

"Food plant: *Datura*."

"U.S.N.M., Type No. 22303."

HOLOTYPE: Female, in NMNH: "3770"; "Mexico, V-15"; "R. Muller, Collector"; "Type No. 22303 U.S.N.M."; "Parharmonia daturae Busck, Type."

DISCUSSION: There are six additional specimens in the NMNH labeled by Busck as Cotypes. Since only the above mentioned female was labeled by Busck as Type, we consider this the Holotype.

63. *Aegeria deceptura* Butler, 1874:409

"Santa Marta (Bouchard). Type, B.M."

HOLOTYPE: Female, in the BMNH: "Holotype"; "St. Marta"; "Ae. deceptura Butl. Type."; "B.M. ♀ genitalia slide No. 15383."

64. *Aegeria deipyla* Druce, 1883:30

"Hab. PANAMA, Bugaba, 800 to 1500 feet (Champion)."

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Bugaba, 800-1000 ft. Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. Aegeria deipyla Druce"; "Type. Sp. figured"; "B.M. ♀ genitalia slide no. 15384."

65. *Synanthedon dimorpha* Le Cerf, 1916:12; 1917:310

"♂ ♀ nov, sp."

"Brésil, Caraça (2^e semestre 1884); ex P. Germain."

SYNTYPES EXAMINED: 2 (both in the PM): (1) "TYPE"; "Brésil, Caraça, P. Germain, 2^e Semestre 1884"; "Synanthedon dimorpha LeCerf, ♂ Type, Et. Lep. comp. XII fig. 3175, XIV p. 310, F. LE CERF det. 1917"; "(fig. 3175)"; "Ex Collection Ch. Oberthür, asquise en IV-1925 par R. Biedermann" (male). (2) "Allotype"; "Brésil, Caraça, P. Germain, 2^e Semestre 1884"; "Synanthedon dimorpha LeCerf, ♀ Type, Et. Lep. comp. XII fig. 3176, XIV p. 310, F. LE CERF det. 1917"; "(fig. 3176)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann" (female).

DISCUSSION: The male syntype in the PM from Caraca, Brazil, has been selected, labeled, and is designated as the lectotype.

66. *Aegeria dinetiformis* Walker, 1856:48

"Male."

"a. Pernambuco. From Mr. Johnson's collection."

HOLOTYPE: Female in the BMNH: "LECTO-TYPE"; "Type"; "Pernambuco"; "Aegeria Dinetiformis."; "AEGERIA DINETIFORMIS Wlk., ♀, Cat. Lep. B.M. 8.48 sp. 83 (1856), a. Pernambuco (Johnson), 1845:70, Type ♀ (1/1)"; "B.M. Genitalia Slide No. 15385."

67. *Melittia dolens* Druce, 1899:205

"Expanse 1¼ inch."

"Hab. S.E. Brazil (Mus. Druce)."

HOLOTYPE: Female, in the BMNH: "Type"; "Brazil ex Coll Hanson"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "Melittia dolens Druce, Type"; "Genre Paranthrene"; "20."

68. *Gaea erasmia* Zukowsky, 1950:23

"1 ♂ 14 mm. Chile. Aber wo, bei 35000 km Längenausdehnung des Landes! Holotypus in der Zoolog. Staatssammlung München."

HOLOTYPE: Male, in the SMM: "Chile Coll. Oyarzun"; "Type, Gaea erasmia Zuk."; "Münich."

69. *Bembecia eucheripennis* Boisduval, 1874:384

"Nous avons reçu cette espece du Mexique."

TYPE: Unknown.

70. *Sincara eumeniformis* Walker, 1856:62

"Male."

"a. Para. From Mr. Bates' collection."

HOLOTYPE: Male, in the BMNH: "Type";

"Para"; "Sincara eumeniformis Wkr., Type ♂"; "1. Sincara Eumeniformis."

71. *Ecrectica fasciata* Walker, 1864:21

"Male."

"a. Ega. From Mr. Bates' collection."

HOLOTYPE: Male, in the BMNH: "Ega 57/125"; "Ecrectica fasciata Wkr., Cat. Lep. BM 31: 20-1 1864. Type ♂ 1/1 descr. Ega Bates 1857:125"; "Type."

72. *Aegeria fasciculipes* Walker, 1864:5

"Male."

"a, b. Ega. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type"; "Ega"; "Aegeria fasciculipes Wkr., Type ♀"; "Aegeria fasciculipes" (female). (2) "Cotype"; "Ega"; (male, head, wings and legs missing).

DISCUSSION: Since the first syntype is in better condition, this female from the BMNH has been selected, labeled, and is designated as the lectotype.

73. *Osminia ferruginea* Le Cerf, 1917:328

"Type: 1 ♂, Mexique, Région de Cordoba, ex L. Conradt (1901-3); Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "TYPE"; "Osminia ferruginea Le Cerf, ♂ type, Et. Lep. comp. XIV p. 328, fig. 3956, F. LE CERF det. 1917"; "Mexique, Region de Cordoba, L. Conradt 1901-3"; "(fig. 3956)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

74. *Aegeria flava* Hy. Edwards, 1881:189

"1 ♀. Colon. Insth. Panama. (T. L. Mead.)"

HOLOTYPE: Female, in the AMNH: "Colon., Isth. Panama"; "No. 15458, Collection Hy. Edw."; "Type."

75. *Synanthedon flavipectus* Le Cerf, 1916:12; 1917:306

"♂ nov. sp. Parana."

"Types: 2 ♂, Parana; Coll. Ch. Oberthür" (Le Cerf, 1917:306).

SYNTYPES EXAMINED: 1 (in the PM): "TYPE"; "Synanthedon flavipectus LeCerf, ♂ Type, Et. Lep. comp. XII fig. 3171, XIV p. 306, F. LE CERF det. 1917"; "PARANA"; "(fig. 3171)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann" (male).

DISCUSSION: Le Cerf (1917) states that there are two male types but only one could be located. The male syntype listed above from Parana in the PM

has been selected, labeled, and is designated as the lectotype.

76. *Leptaegeria flavocastanea* Le Cerf, 1916:11; 1917:282

"♂ nov. sp. Bolivie, Cochabamba, Yunga del Espiritu Santo; ex. P. Germain (1888-1889)."

"Type: 1 ♀, Bolivie, Cochabamba, Yunga-del-Espiritu-Santo; ex. P. Germain (1888-1889) Coll. Ch. Oberthür" (Le Cerf, 1917:282).

HOLOTYPE: Female, in the PM: "TYPE"; "*Leptaegeria flavocastanea* Le Cerf, ♀ type, Et. Lep. comp. XII fig. 3162, XIV p. 152, F. LE CERF det. 1917"; "Bolivie, Cochabamba (Yunga del Espiritu Santo) P. Germain 1888-89"; "(fig. 3162)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

DISCUSSION: Le Cerf originally labeled the figure of this species as a male but subsequently (1917) stated it to be a female, which is correct.

77. *Synanthedon flavostigma* Zukowsky, 1936:1233

"Rio de Janeiro. 1 ♀. Type: Coll. Hamburg Zool. Museum. Figure is a ♀ taken by Mr. W. MARTEN in Brazil."

HOLOTYPE: Female, in the museum in the USSR: "Type"; "Marten, flavostigma"; "68 [circled in red] Rio, 26.2.27"; "Saarbrücken."

78. *Synanthedon flavostrigata* Le Cerf, 1917:298

"Type: 1♂, Mexique, Tabasco (1913); Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "Mexique, Tabasco, 1918"; "*Synanthedon flavostrigata* Le Cerf, ♂ type, Et. Lep. comp. XIV p. 298 fig. 3946, F. LE CERF det."; "(fig. 3946); Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

79. *Sesia fulvopyga* Le Cerf, 1911:301

"Type: 1 ♀, envergure 24 millimètres, in coll. Muséum de Paris: Brésil (1845). M. Pechetto."

TYPE: Unknown.

80. *Melittia funesta* Le Cerf, 1917:164

"♀, Brésil, ex M. Pechetto (1854)."

"Type: 1 ♀, Brésil, ex M. Pechetto (1854), Coll. du Museum de Paris" (Le Cerf, 1917:164).

HOLOTYPE: Female in the PM: "TYPE"; "Brésil, 1854"; "M. funesta Le Cerf, ♀ type, Et. Lep. Cee XIV, F. LE CERF det. 1917"; "Melittia sp.?, 1 specimen B.M. de Rio., pas Nommé."; "(Fig. 3918) vol. 14, p. 164."

81. *Aegeria gaudens* Rothschild, 1911:46

"Hab. Rio Grande do Sul, Brazil, 1 ♂."

HOLOTYPE: Female, in BMNH: "TYPE"; "R. Grande do Sul"; "R525"; "278"; "*Aegeria gaudens* Rothschild., type"; hand written note, illegible; "Tring Mus. 193"; "Rothschild Bequest, B.M. 1939-1."

82. *Synanthedon germaini* Le Cerf, 1916:12; 1917:307

"♂ ♀ ♀ nov. sp."

"Brésil, Nova-Friburgo (Février 1884); ex P. Germain" (Le Cerf, 1917:307).

"Types: 2 ♂, 3 ♀, Brésil, Nova-Friburgo (Février 1884); ex P. Germain; Coll. Ch. Oberthür."

SYNTYPES EXAMINED: 3 (all in the PM): (1) "TYPE"; "*Synanthedon germaini* LeCerf, ♂ Type, Et. Lep. comp. XII fig. 3172, XIV p. 307, F. LE CERF det. 1917"; "Brésil, Nova Friburgo, P. Germain, Février 1884"; "(fig. 3172)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann" (male). (2) "Allotype"; "*Synanthedon germaini* LeCerf, ♀ Type, Et. Lep. comp. XII fig. 3173, XIV p. 307, F. LE CERF det. 1917"; "Brésil, Nova Friburgo, P. Germain, Février 1884"; "(fig. 3173)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann" (female). (3) "Brésil, Nova Friburgo, F. Germain, Février 1884"; "Cotype"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "*Synanthedon germaini* LeCerf, ♀ Type, Et. Lep. comp. XII fig. 3174, XIV p. 307, F. LE CERF det. 1917"; "(fig. 3174)" (female).

DISCUSSION: Only three of the five syntypes could be located. The male syntype listed first above from Nova Friburgo, Brazil in the PM has been selected, labeled, and is designated as the lectotype.

83. *Aegeria glyptaeformis* Walker, 1856:51

"Male."

"a. Villa Nova. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Type"; "Villa Nova"; "90. *Aegeria Glyptaeformis*"; "probablemt ♀ de petite faille de myrmosaepennis Wlk., F. LeCerf det. 1920"; "B.M. ♀ genitalia slide no. 15386."

84. *Aegeria guatemalena* Druce, 1883:31

"Hab. GUATEMALA, San Gerónimo (Champion)."

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Type H.T."; "S. Geronimo, Guatemala. Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria guatemalana* Druce"; "Type Sp. figured"; "B.M. ♀ Genitalia Slide No. 15391."

85. *Synanthedon guatemalana melini* Bryk, 1953: 262.

"Verbreitung: Guatemala; Ost-Peru"

"M.-1 ♀: Roque, 26.IX.1925, Montana (SW) Aracébl., hastig auffliegend, Sonne, Abdomenspitze beweglich, hymenopterenähnlich."

"Typus: 1 ♀: habitat: Rogue, im September."

TYPE: Unknown.

86. *Synanthedon guyanensis* Le Cerf, 1917:301

"Types: 2 ♀, Guyane française, Godebert VI, et Saint-Jeandu Maroni VII, ex E. Le Moul; Coll. F. Le Cerf."

SYNTYPES EXAMINED: 1 (in the PM): "Juin"; "Guyane Française, Godebert-Maroni, Collection Le Moul"; "TYPE"; "*Synanth. guyanensis* Le Cerf, 3945, ♀ Type, Et. Lep. comp. XIV, 1917, p. 301."

DISCUSSION: Since only one of the two syntypes could be located, the above female syntype in the PM from French Guiana has been selected, labeled, and is designated as the lectotype.

87. *Synanthedon guyanensis* var. *clara* LeCerf, 1917:303

"Type: 1 ♀, Guyane française; Nouveau Chantier VII, ex E. Le Moul; Coll. F. Le Cerf."

HOLOTYPE: Female, in the PM: "Arril"; "Guyane Française, Nouveau Chantier, Collection Le Moul"; "TYPE"; "*Synanthedon guyanensis* Le Cerf, var. *clara* Le Cerf, Et. Lepid. comp., 14. 1917, p. 303, fig. n.:3970 (P. Viette, 3-1951)."

88. *Aegeria hades* Druce, 1889:78

"Hab. Mexico, Teapa, Tabasco (H. H. Smith)."

"Mr. Smith took one specimen of this pretty little species in February 1888."

TYPE: Unknown.

89. *Synanthedon haematica* Ureta, 1956:266

"Holótipo ♀ de Mare, 4000 m., Cord. de Antofagasta, 3-I-1953, Sr. L. Peña coll. (Col. M. N. n. 1991)."

"2 parátipos ♀ ♀; 1 de la misma localidad y fecha que el holótipo (Col. M. N. n. 1992) y 1 Catarapi, 3300 m., Cord. de Antofagasta, 8-XII-1952, Sr. Peña coll. (Col. Peña)."

HOLOTYPE: Female, in the MNSC: "Holotipo"; "MARE, 3a4 Enero 1953"; "1991"; "*Synanthedon haematica* Ur."; "♀"; "Chile, M. N. H. N., Tipo No 638."

90. *Sophona halictipennis* Walker, 1856:60

"a. Villa Nova. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "Type"; "Villa Nova"; "*Sophona halictipennis* Wkr, Type ♀"; "1. *Sophona halictipennis*."

91. *Sophona halictipennis flavizonata* Zukowsky, 1936:1259

"15 mm. Rio de Janeiro. Collected by Prof. SEITZ. Type: Senckenberg Museum at Frankfurt on the Main."

HOLOTYPE: Male, in the SMF: "Rio de Janeiro, Dez. 1926, Dr. Seitz leg."; "Senckenberg Museum"; "35"; "*Sophona halictipennis flavizonata* Zuk."; "Typus"; "Senckenberg Museum, Frankfurt a. Main."

92. *Aegeria halmyris* Druce, 1889:79

"Hab. Mexico, Rincon, Guerrero, 2800 feet (H. H. Smith)."

"One specimen was obtained in September 1888."

HOLOTYPE: Female, in the BMNH: "Type H.T."; "Rincon, Guerrero, 2800 ft. Sept. H. H. Smith"; "Godman-Salvin Coll. 97-52"; "B.C.A. Lep. Het. *Aegeria halmyris* Druce"; "Type. Sp. figured."

DISCUSSION: Left forewing of type missing.

93. *Aegeria harti* Druce, 1899:204

"Hab. Trinidad, Port of Spain (Hart, Mus. Druce)."

HOLOTYPE: Male, in the BMNH: "LECTO-TYPE"; "Port of Spain, Trinidad, J. H. Hart"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291" "*Aegeria harti* Druce. Type" "extrinemet vasimies d'asqualis. WCK"; "B.M. ♂ Genitalia Slide No. 15392."

94. *Synanthedon heinrichi* Schade, 1938:471

"♂. 1 Exemplar in meinem Besitz."

"Fundort Villarrica, Loma Valentina."

HOLOTYPE: Male, in BMNH: "Paraguay: Villarrica, 5-III-38, F. Schade, B.M. 1948-297"; "*Aegeriid* n. sp., *Synanthedon heinricki*, 5/3-38, Villarrica"; "S. heinricki."

95. *Aegeria hela* Druce, 1889:79

"Hab. Mexico, Atoyac, Vera Cruz, April; Teapa, Tabasco, January (H. H. Smith)."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Lectotype"; "Atoyac, Vera Cruz, April H.H.S."; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hela* Druce"; "B.M. Genitalia slide No. 15387"; "Type ♀ sp. figured" (female). (2) "Teapa, Tabasco, Jan. H.H.S."; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hela* Druce"; "hela Dr. ♂ F. Le Cerf det. 1920" (male).

DISCUSSION: There is another female specimen in the PM from Atoyac and part of Druce's original collection, but since it was collected in May, it could not be a syntype. The male syntype in the BMNH from Teapa has been selected, labeled, and is designated as the lectotype.

96. *Aegeria helena* Druce, 1889:80

"Hab. Mexico, Amula, Guerrero, 6000 feet (H. H. Smith)."

"This species was taken in August 1888."

SYNTYPES EXAMINED: 3 (all in the BMNH): (1) "Type"; "Amula, Guerrero, 6000 ft., Aug. H. H. Smith"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het., *Aegeria helena* Druce"; "Type, sp. figured" (female). (2) "Amula, Guerrero, 6000 ft., Aug. H. H. Smith"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het., *Aegeria helena* Druce" (female). (3) "Amula, Guerrero, 6000 ft., Aug. H. H. Smith"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "B.C.A. Lep. Het., *Aegeria helena* Druce"; "helena Dr. Cotype, comp. au type ♀, B.M. XI-1920, F. Le Cerf det. 1920"; "59" (female).

OTHER MATERIAL EXAMINED: 1 (in the PM): "Amula, Guerrero, 1000 ft., H. H. Smith"; "B.C.A. Lep. Het., *Aegeria helena* Druce"; "helena Druce, ♀ Cotype, J. Joicey, ded XI.1920, Coll. F. Le Cerf" (female).

DISCUSSION: If the label "1000 ft." on the specimen in the PM was a misprint, then this specimen could also be a syntype. The first female syntype, listed above from Amula, Guerrero, in the BMNH has been selected, labeled, and is designated as the lectotype.

97. *Synanthedon hemigymna* Zukowsky, 1936:1226

"Brazil, Itatiaya. 1 ♂, flying in the sunshine on a forestglade. Type: Coll. MARTEN."

HOLOTYPE: Female, in the USS: "Type"; "67

[circled in red] Itatiaya, I.27"; "Marten, hemigymna"; "hemigymna ♂"; "Saarbrücken."

DISCUSSION: Note that the holotype is a female and not a male as stated by Zukowsky in the description of this species.

98. *Aegeria hermione* Druce, 1889:79

"Hab. Mexico, Teapa, Tabasco, Atoyac, Vera Cruz (H. H. Smith)."

"Mr. Smith met with this species from February to May 1888."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Lectotype"; "Teapa, Tabasco, Feb. H.H.S."; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hermione* Druce"; "Type sp. figured"; "B.M. Genitalia slide No. 15388" (female). (2) "Paralectotype"; "Atoyac, Vera Cruz, May. H.H.S."; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hermione* Druce" (female).

DISCUSSION: The female syntype in the BMNH from Teapa, Tabasco, has been selected, labeled, and is designated as the lectotype.

99. *Melittia hervei* Le Cerf, 1917:166

"♀, Chanchamayo, Pérou, ex Oswald Schuncke (1912)."

"Type: 1 ♀, Pérou, Chanchamayo ex Oswald Schuncke (1912); Coll. Ch. Oberthür" (Le Cerf, 1917:166).

HOLOTYPE: Female, in the PM: "TYPE": "*Melittia hervei* Le Cerf, ♀ type, Et. Lep. comp. XIV p. 166, fig. 3919, F. LE CERF det. 1917"; "Pérou, Chanchamayo, Oswald Schuncke, Reçu 1912"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(fig. 3919)."

100. *Aegeria hippolyte* Druce, 1889:80

"Hab. Mexico, Cuernavaca, Morelos (H. H. Smith)."

"One specimen of this distinct species was taken by Mr. Smith in June 1888."

HOLOTYPE: Female, in the BMNH: "Holotype"; "Cuernavaca, Morelos. June. H.H.S." "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hippolyte* Druce"; "Type. Sp. figured"; "B.M. ♀ Genitalia Slide No. 15389."

101. *Aegeria hipsides* Druce, 1889:80

"Hab. Mexico, Amula, Guerrero, 6000 feet (H. H. Smith)."

"A very distinct species, of which only one specimen was obtained in August 1888."

HOLOTYPE: Male, in the BMNH: "Type H.T."; "Amula, Guerrero, 6000 ft., Aug. H. H. Smith"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria hypsides* Druce"; "Type. Sp. figured."

102. *Lepidopoda homotropa* Meyrick, 1921:443
"♂. 14 mm."

"BRAZIL, Manaus, November (Parish); 1 ex."

HOLOTYPE: Male, in the BMNH: "Holotype"; "Manaos, Brazil. Parish. 11.19"; "Episannina homotropa Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "homotropa Meyr."; "Meyrick Coll. B.M. 1938-290."

DISCUSSION: The holotype is very badly molded and in generally poor condition.

103. *Melittia imperator* Rothschild, 1911:45

"Hab. Obidos, Amazons, April 1900 (W. Hoffmanns), 1 ♀."

HOLOTYPE: Female, in the BMNH: "Type"; "Obidos, April 1906, (W. Hoffmanns)"; "Tring Mus. 188"; "*Melittia imperator* Rothschild. Type."

104. *Lepidopoda infera* Meyrick, 1921:442

"♂, 16 mm."

"BRAZIL, Para, July (Parish); 1 ex."

HOLOTYPE: Male, in the BMNH: "Holo-type"; "Para, Brazil, Parish, 7-19"; "Episannina infera Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "infera Meyr."; "Meyrick Coll. B.M. 1938-290."

105. *Sesia infuscata* Le Cerf, 1911:300

"Type: 1 ♀, envergure 17 millim. 5, in coll. Muséum de Paris; République Argentine, Andes de Tucuman, Yerba buena, décembre 1909. E.-R. Wagner."

HOLOTYPE: Female, in the PM: "TYPE"; "*Sesia infuscata* Le Cerf, ♀ type, F. LE CERF det."; "Andes de Tucuman, Déc. 1909, E. R. Wagner"; "*Sesia infuscata* Le Cerf, Bull. Museum, 1911, p. 300."

106. *Aegeria ischniformis* Walker, 1856:53

"Male."

"a, b. Pará. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type"; "Para"; "*Aegeria ischniformis* Wkr. Cat. Lp. BM. 8.53.4 sp. 95 (1856), a. Para (Bates, H. W.), 1850:4. Type ♂ (1/2) descr."; "95. *Aegeria ischniformis*"; (male, rt. wings missing). (2) "Para";

"*Aegeria ischniformis* Wkr. ♂ Cat. Lp. BM. 8.53.4 sp. 95 (1856), b. Para (Bates, H. W.), 1850:4. Paratype (2/2)"; (male, in better condition but abdomen possibly glued on).

DISCUSSION: Because there is reason to believe that the abdomen of the second syntype may have been glued on, the first male syntype, listed above from Para, in the BMNH has been selected, labeled, and is designated as the lectotype.

107. *Melittia josepha* Le Cerf, 1916:8; 1917:214

"♀ nov. sp. Zaruma, Equateur; ex M. de Mathan (1891)."

"Type: 1 ♀, Zaruma (Equateur), ex M. de Mathan (1891); Coll. Ch. Oberthür" (Le Cerf, 1917:214).

HOLOTYPE: Female, in the PM: "TYPE"; "*Melittia josepha* Le Cerf, ♀ type, Et. Lep. Comp. XII fig. 3126, XIV p. 214, F. LE CERF det. 1917"; "Zaruma, Equateur, M. de Mathan, 1891"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(fig. 3126)."

108. *Sannina korites* Druce, 1883:34

"Hab. GUATEMALA, San Gerónimo (Champion); COSTA RICA, Rio Sucio (Rogers)."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type, H.T."; "S. Geronimo, Guatemala, Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het., *Sannina korites* Druce"; "Type, sp. figured" (female). (2) "R. Sucio, Costa Rica, H. Rogers"; "B.C.A. Lep. Het., *Sannina korites* Druce"; "Godman-Salvin Coll. 97.-52" (female).

DISCUSSION: The first female syntype, listed above from Guatemala, in the BMNH has been selected, labeled, and is designated as the lectotype.

109. *Aegeria laeta* Walker, 1856:59

"Male."

"a, -----?"

"Hab. GUATEMALA, San Geronimo (Champion)."

"Walker's type is a very faded specimen, and without any locality; but it is without doubt the same as the Guatemala examples before me, one of which I have figured" (Druce, 1881:30).

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Type"; "107. *Aegeria laeta*."; "ruficaudis Wlk = *laeta* Wlk. ♀, F. Le Cerf det. 1920"; "B.M. ♀ Genitalia Slide No. 15390."

110. *Melittia lagopus* Boisduval, 1874:475

"Elle a été prise á Cayenne, sur les bords de l'Oyapock."

TYPE: Unknown.

111. *Sesia laticincta* Burmeister, 1878:361

"Nous avons cette espèce de Rio-de-Janeiro."

TYPE: Unknown.

DISCUSSION: The type-specimen(s) is most likely in the MAC; however, we have been unable to verify its location and condition.

112. *Synanthedon laticraspedontis* Zukowsky, 1936:1220

"Brazil, Itatiaya, January, 1 ♀. Type Coll. MARTEN."

HOLOTYPE: Female, in the USS: "Type"; "Marten, laticraspedontis"; "Type: S. laticraspedontis Zuk."; "55 [circled in red] Itatiaya, I.27"; "Saarbrücken."

113. *Melittia latimargo* Butler, 1874:410

"Rio Janeiro (Stevens). Type, B.M."

HOLOTYPE: Female, in the BMNH: "Type"; "50,5"; "Rio"; "M. latimargo Butler type."

114. *Myrmecosphacia lemoulti* Le Cerf, 1917:375

"Envergure: 32 millimètres."

"Type: 1 ♀, Guyane française, Nouveau Chantier VI-1909, ex. E. Le Moul, Coll. F. Le Cerf."

HOLOTYPE: Female, in the PM: "TYPE"; "Guyanne Française, Nouveau Chantier, Collection Le Moul"; "Juin"; "3958, *Myrmecosphacia* Le Moul, Type, Et. Lep. (ée XIV (1917) p. 375."

115. *Alcathoe leucopyga* Bryk, 1953:264

"Verbreitung: Amazonas."

"M.-1 ♂: 1 ♀: S. Gabriel: ♂, 6.VIII.1924; Waldrand, Blatt, stille, Sonne. ♀: 27.VIII.1924. Wald, Blatt, eifrig, Sonne."

"Typus: 1 ♂, habitat: S. Gabriel."

"♀: es unterscheidet sich vom ♂ durch folgende Merkmale."

"Allotypus: 1 ♀; habitat: S. Gabriel."

TYPE: Unknown.

116. *Ficivora leucoteles* Clarke, 1962:383

"Type: Male, Colombia, Medellín (Antioquia), July 1959. F. Luis Gallego M. USNM 65823."

"Food plant: Ficus carica L."

"Described from the type male, 6 male and 11 female paratypes all with the same data. Paratypes

in the U.S. National Museum and the collection of the Universidad Nacional."

HOLOTYPE: Male, in the NMNH: "Colombia, S.A., Medellín (Ant.), en Ficus carica, Jul. 1959, Col. Gallego"; "♂ genitalia on slide 23.14.1961, J.F.G.C. 10788"; "TYPE, *Ficivora leucoteles* Clarke."

117. *Gaea lilloi* Köhler, 1941:6

"♂ ♂"

"Habitat: Tucumán, Schreiter leg."

"Cotipos en el Instituto Lillo."

SYNTYPES EXAMINED: 2 males (1 in the IML; 1 in the UNLP): (1) "Tucuman"; "Cotypos"; "Caea lilloi Khlr., Det Koehler"; "Inst. M. Lillo"; "Genitalia Slide by T. D. Eichlin, USNM 76132" (IML). (2) "Tucuman"; "Cotypos"; "Gaea lilloi Khlr., Det Koehler"; "Publicacado por Instituto Lillo, Tucuman 1941"; "2229"; "Museo La Plata" (UNLP).

DISCUSSION: These syntypes actually represent a species belonging in the family Gelechiidae; therefore, it would be inappropriate for us to select a lectotype in this study on the Sesiidae.

118. *Melittia louisa* Le Cerf, 1916:9; 1917:221

"♀ nov. sp. Mexique."

"Type: 1 ♀, Mexique; Coll. Ch. Oberthür" (Le Cerf, 1917:221).

HOLOTYPE: Female, in the PM: "TYPE"; "Melittia louisa Le Cerf, ♀ type, Et. Lep. comp. XII fig. 3131, XIV p. 221, F. LE CERF det. 1917"; "Mexique"; "Ex. Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(fig. 3131)."

119. *Sincara lytaea* Druce, 1884:33

"Hab. GUATEMALA, Zapote (Champion)."

"Only one example of this curious little species appears to have been taken."

HOLOTYPE: Female, in the BMNH: "Type H.T."; "Zapote, Guatemala, G.C. Champion"; "Type. Sp. figured"; "B.C.A. Lep. Het. *Sincara lytaea* Druce"; "Godman-Salvin Coll. 97.-52."

120. ?*Sesia macropyga* Le Cerf, 1911:299

"Type: 1 ♂, envergure 11.2 millm., in coll. Muséum de Paris; Brésil, Etat de Minas Geraes, Tazenda do Sobrado, bords du Rio das Pedras, prés Passa Quatro; Serra da Mantagueira, 900 á 1,000 mètres d'altitude, 28 février au 30 mars 1903. E.-R. Wagner."

HOLOTYPE: Male, in the PM: "TYPE"; "*Chamaesphacia* (= *Sesia*) *macropyga* Le Cerf, ♂ type, F. LE

CERF det.”; “Tazendo do Sobrado, bds. du Rio das Pedras, près Passa Quatro, Serra da Mantagueira, 900 á 1000 ms. Etat de Minas Geraes, Bresil, 28 II–30 III. 1903, E.R.W.”; “*Sesia macropyga* Le Cerf, Bull. Museum, 1911, p. 299, pl. 4, fig. 6.”

121. *Sincara maeonia* Druce, 1889:81

“Hab. Mexico, Omilteme, Guerrero, 8000 feet (H. H. Smith).”

“This species is allied to *Syncara lytaea*, Druce. Mr. Smith took the specimens in August 1888.”

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) “Omilteme, Guerrero, 8000 ft., Aug. H. H. Smith”; “Presented by J. J. Joicey Esq., Brit. Mus. 1931–291”; “B.C.A. Lep. Het., *Sincara maeonia* Druce”; “31”; “Cotype” (male). (2) “Omilteme, Guerrero, 8000 ft., Aug. H. H. Smith”; “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het., *Sincara Maeonia* Druce”; “Type, sp. figured” (male).

DISCUSSION: The first male syntype, listed above from Omilteme, Guerrero, in the BMNH has been selected, labeled, and is designated as the lectotype.

122. *Sincara manilia* Druce, 1889:82

“Hab. Mexico, Sierra de los Aguas Escondidas, Guerrero, 7000 feet, Omilteme, Guerrero, 8000 feet (H. H. Smith).”

“This pretty little species was taken in July and August 1888.”

SYNTYPES EXAMINED: 3 (all in the BMNH): (1) “Sierra de las Guerrero, 7000 ft., July, H. H. Smith”; “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het., *Sincara manilia* Druce”; “Type, sp. figured” (male). (2) “Omilteme, Guerrero, 8000 ft., Aug. H. H. Smith”; “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het., *Sincara manilia* Druce” (male). (3) “Omilteme, Guerrero, 8000 ft., Aug. H. H. Smith”; “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het., *Sincara manilia* Druce” (male).

DISCUSSION: The first male syntype, listed above from Guerrero at 7000 feet, in the BMNH has been selected, labeled, and is designated as the lectotype.

123. *Sincara manoba* Druce, 1889:82

“Hab. Mexico, Teapa, Tabasco (H. H. Smith).”

“One specimen of this dull-looking species was taken by Mr. Smith in February 1888.”

HOLOTYPE: Female, in BMNH: “Type H.T.”; “Teapa, Tabasco., Feb. H.H.S.” “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het. *Sincara manoba* Druce”; “Type, sp. figured.”

124. *Tarsopoda marcia* Druce, 1889:81

“Hab. Mexico, Dos Arroyos, Guerrero, 1000 feet (H. H. Smith).”

“Mr. Smith obtained two specimens of this beautiful little species in September 1888.”

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) “Type H.T.”; “Dos Arroyos, Guerrero, 1000 ft., Sept. H. H. Smith”; “Type, sp. figured”; “B.C.A. Lep. Het. *Tarsopoda marcia* Druce”; “Godman–Salvin Coll. 97.–52” (male). (2) “Dos Arroyos, Guerrero, 1000 ft., Sept. H. H. Smith”; “Type, sp. figured”; “B.C.A. Lep. Het. *Tarsopoda marcia* Druce”; “Godman–Salvin Coll. 97.–52” (female).

DISCUSSION: The male syntype in the BMNH from Dos Arroyos has been selected, labeled, and is designated as the lectotype.

125. *Aegeria mardia* Druce, 1892:275

“Hab. Mexico, near Durango city (Becker).”

HOLOTYPE: Male, in the BMNH: “LECTO-TYPE”; “near Durango City, Mexico Becker”; “Godman–Salvin Coll. 97.–52”; “B.C.A. Lep. Het. *Aegeria mardia* Druce”; “B.M. ♂ Genitalia Slide No. 15394.”

126. *Synanthedon martenii* Zukowsky, 1936:1224

“Brazil, Rio de Janeiro? October.”

“Type in the Coll. MARTEN.”

HOLOTYPE: Female, in the USS: “Type”; “Marten, marteni”; “7”; “Type: *S. martenii* Zuk.”; “62 [circled in red] 26.10.20”; “Saarbrücken.”

127. *Cotaena mediana* Walker, 1864:21

“Female.”

“Para. In Mr. Saunders’ collection.”

TYPE: Unknown.

DISCUSSION: Efforts to locate Walker’s type-specimen at both the OM and BMNH have met with no success. Species described by Walker in parts 27–30 of his Catalogue, and in the corresponding portions of the supplement indicated as being in the Saunders’ Collection were never included in the Hope Collection. These types were acquired by the BMNH through purchase around the turn of the century. Although the type-specimen of *C. mediana* is unknown, other specimens determined to be the same species are not sesiids but glyphitrigids.

128. *Alcathoe melini* m. Bryk, 1953:266

“Verbreitung: Amazonas.”

"M.—1 ♀: Taracúa, 9.III.1924, Gebüschveget., Waldrand, bienenähnlich, Sonne."

"Typus: 1 ♀; habitat: Taracúa."

TYPE: Unknown.

129. *Aegerina mesostenos* Zukowsky, 1936:1245

"Brazil, Viannopolis. March. 1 couple collected by Prof. SEITZ. Type: Senckenberg Museum."

SYNTYPES EXAMINED: 2 (both in the SMF): (1) "Viannopolis (Goyaz) März 1930, A. Seitz leg."; "Senckenb. Mus."; "45"; "Aegeria mesostenos Zuk."; "Typus"; "Senckenberg Museum, Frankfurt a. Main" (male). (2) "Viannopolis (Goyaz) März 1930, A. Seitz leg."; "Senckenb. Mus."; "Paratypoid"; "Senckenberg Museum, Frankfurt a. Main"; (female, abdomen, and antennae missing).

DISCUSSION: The male syntype from the SMF has been selected, labeled, and is designated as the lectotype.

130. *Chamaesphexia minima* Le Cerf, 1916:12; 1917:290

"♂ nov. sp."

"Nouvelle-Grenade, de Bogota a Buenaventura (14 Dec. 1877 au 22 Fév. 1878); ex O. Thieme."

"Type: 1 ♂, Nouvelle-Grenade, de Bogota á Buenaventura; ex O. Thieme (14 dec. 1877 au 22 fév. 1878); Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "Nouv. Grenade Bogota a Buenaventura, Dr. O. Thieme, 14 Dec. 77 au 22 Fev. 78"; "TYPE"; "Chamaesphexia minima Le Cerf, ♂ type, Et. Lep. Comp. XII fig. 3177, XIV p. 160, F. LE CERF det. 1917"; "(fig. 3177)"; "Ex Colection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

131. *Aegeria modesta* Butler, 1874:408

"Espirit Santo (Higgins). Type, B.M."

HOLOTYPE: Male, in the BMNH: "Holotype"; "Type"; "Espiritu Sto., 72-74"; "Ae. modesta Butl. Type"; "B.M. ♂ Genitalia Slide No. 15397."

132. *Synanthedon mydaides* Ureta, 1956:263

"Holótipo ♂ de El Pangue, 2000 m., Elqui, provincia de Coquimbo, 17-X-1936, Sr. Rodolfo Wagenknecht coll. (Col. M.N. n. 2081)."

"DISTRIBUCIÓN GEOGRÁFICA: Chile."

HOLOTYPE: Male, in the MNSC: "Holotipo"; "Pangue, 17-X-1936"; "2081"; "Synanthedon mydaides Ur."; "Chile, M. N. H. N., Tipo No 641"; (abdomen missing, genitalia in microvial on specimen pin).

133. *Aegeria myrmosaepennis* Walker, 1856:46

"Male."

"a. Pará. From Mr. Bates' collection."

HOLOTYPE: Male, in the BMNH: "LECTO-TYPE"; "Type"; "Ega"; "80. Aegeria myrmosaepennis"; "AEGERIA MYRMOSAEPENNIS, ♂, Wkr. Cat. Lp. B.M. 8.46 sp. 80 (1856), a., TYPE ♂ (1/1) descr."; "B.M. ♂ Genitalia Slide No. 15393."

134. ?*Synanthedon nannion* Bryk, 1954:263

"Verbreitung: Amazonas."

"M.—1 ♀: Taracúa, 21.III.1924; Waldpfad, unruhig flatternd, Sonne."

TYPE: Unknown.

135. *Melittina nigra* Le Cerf, 1917:239

"♀, Bresil, ex E. Le Moul't"

"Type: 1 ♀, Bresil, ex E. Le Moul't, Coll. F. Le Cerf" (Le Cerf, 1917:239).

HOLOTYPE: Female, in the PM: "(small piece with one egg glued on)"; "TYPE" "3933, Melittina nigra Le Cerf, ♀ type, Et. Lepid. Cée XIV. 1917, p. 239"; "teratol. nerv. 4&5 tigées á labase á l'aile supre gauche"; "Bresil, Santos P."; "Melittina nigra Le Cerf, Et. Lep. C. XIV (1917)."

136. *Callithia oberthüri* Le Cerf, 1917:9; 1917:249

"... ♂ nov. sp."

"Nouvelle-Grenade, Etat de Cundinamarca, Cananche (1er semestre 1900); ex Marc de Mathan."

HOLOTYPE: Male, in the PM: "TYPE"; "Callithia oberthüri Le Cerf, ♂ type, Et. Lep. comp. XII fig. 3138, XIV p. 249, F. LE CERF det. 1917"; "Nouvelle Grenade, Etat Cundinamarca, Cananche, M. de Mathan, 1^{er} Sem. 1900"; "(fig. 3138)"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann."

137. *Melittia oberthüri* Le Cerf, 1916:9; 1917:220

"♀ nov. sp. Amazonas, Iquitos; ex M. de Mathan."

"Type: 1 ♀, Amazonas, Iquitos; ex Marc de Mathan; Coll. Ch. Oberthür" (Le Cerf, 1917:220).

HOLOTYPE: Female, in the PM: "TYPE"; "Melittia oberthüri Le Cerf, ♀ type, Et. Lep. comp. XII fig. 3130, XIV p. 220, F. LE CERF det. 1917"; "Amazones, Equitos, M. de Mathan"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(Fig. 3130)."

138. *Aegeria opiiformis* Walker, 1856:51

"Female."

"a. Pará. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Para"; "91. *Aegeria Opiiformis*"; "*Aegeria opiiformis* Wkr., Type"; "Abdomen Missing"; "Type."

139. *Aegerina ovinia* Druce, 1896:324

"Hab. MEXICO, Coatepec (Coll. Schaus)."

"One specimen."

HOLOTYPE: Female, in the NMNH: "Coatepec, Mex."; "*Aegeria ovinia* type Druce"; "♀ genitalia on slide, AB Nov 20, 1930"; "Collection WmSchaus."

140. *Aegeria pallene* Druce, 1889:80

"Hab. Mexico, Teapa, Tabasco (H. H. Smith)."

"Mr. Smith took this species in March and April 1888."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type, H.T."; "Teapa, Tabasco, April H.H.S."; "Godman-Salvin Coll. 97-52"; "B.C.A. Lep. Het., *Aegeria pallene* Druce"; "Type, sp. figured" (male). (2) "Type, H.T."; "Teapa, Tabasco, March H.H.S."; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "B.C.A. Lep. Het., *Aegeria pallene* Druce"; "Ex coll. Druce"; "67" (male).

DISCUSSION: The first male syntype from Teapa, Tabasco in April and from the BMNH has been selected, labeled, and is designated as the lectotype.

141. *Aegeria panisciformis* Walker, 1856:55

"Male."

"Valley of the Amazon. In Mr. Saunder's collection."

HOLOTYPE: Male, in the OM, Oxford: "Lectotype"; "AMAZON, Ex Coll (1830-73) W. W. Saunders, Presented by Mrs. F. W. Hope, m.s. locality by W.W.S." [two identical labels]; "Amaz."; "25"; "basalis Wlk., F. LE CERF, det. 1921"; "Lectotype ♂, *Aegeria panisciformis* Walker, teste K. Sattler 19[year omitted]"; "Genitalia K. Sattler 643a"; "Genitalia 491-1969"; "TYPE LEP.: No. 71, *Aegeria panisciformis* Walker, Hope Dept. Oxford."

DISCUSSION: We believe this specimen to be the holotype and not a syntype as suggested by the lectotype labels.

142. *Aegeria panurgiformis* Walker, 1856:54

"Male."

"a.-d. Pará. From Mr. Bates' collection."

"e. Santarem. From Mr. Bates' collection."

"f. Tapayos. From Mr. Bates' collection."

"g. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type"; "Braz. Tapayos"; "*Aegeria panurgiformis* Wkr., Type ♂"; "97. *Aegeria panurgiformis*" (male). (2) "Villa Nova"; "Co-type" (male).

DISCUSSION: Although there should be seven syntypes, only two could be found. The male syntype in the BMNH from Tapayos has been selected, labeled, and is designated as the lectotype.

143. *Melittia pauper* Le Cerf, 1916:9; 1917:169

"♂ nov. sp. Lima Pérou (18/22-III-1890)."

"Type: 1 ♂, Pérou, Lima; 18/22 mars 1890; Coll. Ch. Oberthür" (Le Cerf, 1917:169).

HOLOTYPE: Male, in the PM: "TYPE"; "*Melittia pauper* Le Cerf, Type ♂, Et. Lep. comp. XII fig. 3135, XIV p. 169, F. LE CERF det. 1917"; "Lima, 18/22 III 90"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(fig. 3135)."

144. *Aegeria peltastiformis* Walker, 1856:52

"Female."

"a. Villa Nova. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "Type"; "Villa Nova"; "92. *Aegeria Peltastiformis*"; "*Aegeria peltastiformis* Wkr., Type ♀."

145. *Chamaesphecia penthetria* Zukowsky, 1936:1240

"Brazil, Ypiranga, April. ♀ collected by Prof. SEITZ. Type: Senckenberg Museum."

HOLOTYPE: Female, in the SMF: "Ypiranga, April 1930, Seitz Leg."; "7"; "*Chamaesphecia penthetria* Zuk."; "Typus"; "Senckenberg Museum, Frankfurt a. Main."

146. *Aegeria peruviana* Druce, 1911:292

"Male."

"Hab. Peru, Chanchamayo, La Mercede, 1000 m. (Mus. Druce)."

HOLOTYPE: Male, in the BMNH: "Type"; "Chanchamayo, La Mercede, Peru, 1,000 Met., Watkins"; "88 Peru"; "ex Coll. Druce"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "*Aegeria peruviana* Druce, Type"; "88."

147. *Sanninoidia peruviana* Rothschild, 1911:47

"Hab. Marcapata, East Peru, 3500 ft. (Garlepp), 1 ♀."

HOLOTYPE: Female, in the BMNH: "Type";

"Marcapate, E. Peru, 3500 ft."; "Garlepp"; "Sanninoidia peruviana Rothsch. Type"; "Tring Mus. 179"; "Rothschild Bequest, B.M. 1939-1."

DISCUSSION: The right forewing of the type is broken off and contained in a gelatin capsule on the pin beneath the labels.

148. *Sincara phyllis* Druce, 1884:33

"Hab. GUATEMALA, Cerro Zunil (Champion)."

"I have only received a single specimen of this insect, in very poor condition, and do not feel certain about the yellow markings on the thorax and abdomen."

HOLOTYPE: Female, in the BMNH: "Type H.T."; "Cerro Zunil, 4-5000 ft., Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het., *Sincara phyllis* Druce"; "Type. Sp. figured."

149. *Aegeria pittheis* Druce, 1889:203

"Hab. Amazons, Ceara (Leech, Mus. Druce)."

SYNTYPES EXAMINED: 2 (1 in the BMNH; 1 in the PM); (1) "LECTO-TYPE"; "Type"; "Ceara, 8.84"; "Amazons, Leech."; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "*Aegeria pittheis* Druce, Type"; "Ex Coll. Druce"; "63"; "B.M. ♀ Genitalia Slide No. 15396." (2) "Amazons, Leech"; "pittheis Druce, Cotype o, J. Joicey ded. XI-1920, Coll. F. Le Cerf"; folded, handwritten note in French, unreadable; (female, PM).

DISCUSSION: The female syntype in the BMNH has been selected, labeled, and is designated as the lectotype.

150. *Synanthedon plagiophleps* Zukowsky, 1936:1222
"1 ♂, 2 ♀ ♀. Bolivia, Rio Songo. Types in the Berlin Museum."

SYNTYPES EXAMINED: 1 male, 2 females (all in the MNHB): (1) "Rio Songo (1200 m.), Bolovia (Yungas), 1896-Garlepp"; "Typus" [red]; "Type" [pink]; "269"; "Euriphrisa, plagiophleps, Zuk." (2) "Songo, Bol., Garl."; "Typus" [red]; "Type" [pink]; "270"; "Euriphrisa, plagiophleps, Zuk." (3) "Songo, Bol., Garl."; "Typus" [red]; "Type" [pink]; "271"; "Euriphrisa, plagiophleps, Zuk."

DISCUSSION: The male syntype has been selected, labeled, and is designated as the lectotype.

151. *Algeria plectisciformis* Walker, 1856:49

"Male."

"a, b. Pará. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Lectotype"; "Para"; "85. *Aegeria plectisci-*

formis"; "*Aegeria plectisciformis* Wkr. Cat. Lp. BM. 8.49. sp. 85 (1856), a. Para (Bates, H. W.), 1851:147, Type ♂ (1/2) descr."; "B.M. Genitalia slide No. 15395"; (male, hindwings in gelatin capsule). (2) "Paratype"; "Para"; "85. *Aegeria plectisciformis*"; "*Aegeria plectisciformis* Wkr. Cat. Lp. BM. 8.49. sp. 85 (1856), b. Para (Bates, H. W.), 1850:4, Paratype 2/2."; "myrmesaepennis Wlk., ♂, F. Le Cerf det. 1920" (male).

DISCUSSION: The first male syntype, listed above from Para, in the BMNH has been selected, labeled, and is designated as the lectotype.

152. *Aegeria plumipes* Walker, 1864:8

"Female."

"a. Ega. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "Type"; "Ega"; "*Aegeria plumipes* Wkr., TYPE ♀"; "*Aegeria plumipes*."

153. *Chamaesphecia pluto* Zukowsky, 1936:1240

"1 ♀. March. Brazil, Minas, Araguary, leg. Prof. SEITZ. Type: Senckenberg Museum."

HOLOTYPE: Female, in the SMF: "Araguary (Minas), 27.März.1930, A. Seitz leg."; "Senckenberg Museum"; "*Chamaesphecia pluto* Zuk."; "Typus"; "Senckenberg Museum, Frankfurt a. Main."

154. *Melittia pomponia* Le Cerf, 1911:297

"Type: 1 ♂, envergure 17 millimètres, in coll. Muséum de Paris; Perou, Payta, voyage de la Bonite (1833)."

HOLOTYPE: Male, in the PM: "TYPE"; "(Perou), Payta, V. Bonite"; "*Melittia pomponia* Le Cerf, ♀ type (= Emryhryssa)"; "*Melittia pomponia* Le Cerf, Bull. Museum, 1911, p. 297, pl. 4, fig. 1."

155. *Aegeria porizoniformis* Walker, 1856:54

"Male and female."

"a----d. Pará. From Mr. Bates' collection."

"e. Tapayos. From Mr. Bates' collection."

"f. Villa Nova. From Mr. Bates' collection."

SYNTYPES EXAMINED: 4 (all in the BMNH): (1) "Type"; "Para"; "96. *Aegeria porizoniformis*"; "*Aegeria porizoniformis* Wkr., Type ♂" (male). (2) "Para" (male). (3) "Para"; "porizoniformis Wlk. ♂, F. Le Cerf det." (male). (4) "Para"; "Abdomen missing" (male).

DISCUSSION: Only four of the six syntypes could be located. The first male syntype, listed above from Para, in the BMNH has been selected, labeled, and is designated as the lectotype.

156. *Melittia powelli* Le Cerf, 1917:210

"♀. Chanchamayo, Perou, ex Oswald Schuncke (1912)."

"Type: 1 ♀, Chanchamayo, Pérou, ex Oswald Schuncke (1912); Coll. Ch. Oberthür" (Le Cerf, 1917:210).

HOLOTYPE: Female, in the PM: "TYPE"; "*Melittia powelli* Le Cerf, ♀ type, Ex. Lep. comp. XIV p. 210. fig. 3924, F. LE CERF det. 1917"; "Pérou, Chanchamayo, Oswald Schuncke, Recu 1912"; "Ex. Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(Fig. 3924)."

157. *Melittia powelli* var. *chryscens* Schade, 1939:230

"Type in meinem Besitz."

"Fundort: Caroveny bei Villarrica, Paraguaý."

TYPE: Unknown.

158. *Tirista praxila* Druce, 1896:325

"Hab. MEXICO, Jalapa (coll. Schaus)."

"One specimen."

TYPE: Unknown.

159. *Aegeria producta* Walker, 1864:4

"Male."

"a. Oajaca, Mexico. From M. Salle's collection."

HOLOTYPE: Male, in the BMNH: "LECTO-TYPE"; "*Aegeria producta*"; "58.135 Mex. (Oajaca)"; "B.M. ♂ Genitalia Slide No. 15398."

160. *Aegeria proserpina* Druce, 1883:31

"Hab. GUATEMALA, San Gerónimo (Champion)."

"Only a single specimen was received."

HOLOTYPE: Female, in BMNH: "Type H.T."; "S. Geronimo, Guatemala. Champion"; "Type Sp. figured"; "B.C.A. Lep. Het. *Aegeria proserpina* Druce"; "Godman-Salvin Coll. 97-52"; "Abdomen Missing."

161. *Aegeria pulchripennis* Walker, 1864:6

"Male."

"a. Ega. From Mr. Bates' collection."

HOLOTYPE: Male, in the BMNH: "Type"; "Ega"; "*Aegeria pulchripennis* Wkr., Type ♂"; "*Aegeria pulchripennis*."

162. *Melittia pulchripes* Walker, 1856:67

"a. Venezuela. From Mr. Dyson's collection."

"b. Para. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH):

(1) "Type"; "Venezuela"; "*Melittia pulchripes* Wkr., Type ♀" (female). (2) "Co-type"; "Para"; "3. *Melittia pulchripes*" (female).

DISCUSSION: The female syntype in the BMNH from Venezuela has been selected, labeled, and is designated as the lectotype.

163. *Melittia pulchripes d'angeloi* Köhler, 1941:10

"Habitat: Corrientes. c. 1. IV-1940."

SYNTYPES EXAMINED: 2 (both in the IML): (1) "Corrientes, IV.40, D'Angelo"; "COTYPUS"; "*Melittia d'angeloi* Khlr., Det. Koehler" (male). (2) "Corrientes, IV.40, D'Angelo"; "COTYPUS"; "*Melittia d'angeloi* Khlr., Det. Koehler" (male).

DISCUSSION: The first male syntype from the IML listed above has been selected, labeled, and is designated as the lectotype. The second syntype has the hind legs glued on a small label which is on the specimen pin.

164. *Sesia pyrosoma* Meyrick, 1918:180

"♀. 13 mm."

"BRITISH GUIANA, Bartica, April (Parish); one specimen."

HOLOTYPE: Female, in the BMNH: "Type"; "Bartica, Brit. Guiana, Parish, 4.13"; "*Aegeria pyrosoma* Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "*Sesia pyrosoma* Meyrick 1918, Exot. Microlep. 2 (1918), 4-7:180, Type ♀"; "pyrosoma Meyr."

165. *Tarsopoda remipes* Butler, 1874:410

"Villa Nova (Bates). Type, B.M."

HOLOTYPE: Female, in the BMNH: "Type"; "55, 75"; "Villa Nova."

166. *Aegeria rhyssaeformis* Walker, 1856:50

"Female."

"a, b. Pará. From Mr. Bates' collection."

SYNTYPES EXAMINED: 1 (in the BMNH): "Lectotype"; "type"; "Para"; "88. *Aegeria rhyssaeformis*"; "10"; "*Aegeria rhyssaeformis* Wkr., Type ♂"; "B.M. Genitalia slide No. 15399" (female).

DISCUSSION: Only one of the two syntypes could be located; therefore, the above male syntype in the BMNH from Para has been selected, labeled, and is designated as the lectotype.

167. *Melittia riograndensis* Brèthes, 1920:284

"Esta mariposa se cria en los tallos de la calabaza."

TYPE: Unknown,

168. *Synanthedon romani* Bryk, 1953:262

"Typus: 1 ♂; habitat: San Gabriel, Januar."

HOLOTYPE: Male, in the NRSS: "Typus"; "Rio Negro, S. Gabriel"; "Sv. Amaz. Exp., Roman"; "4 Jan."; "Synanthedon romani Bryk, 1951. ♂ Typus"; "58, 76"; "Riksmuseum, Stockholm."

169. *Aegeria rufa* Butler, 1883:58

"Pines valley near Valparaiso; on Umbelliferous flowers in January. —T. E."

SYNTYPES EXAMINED: 3 (all in the BMNH): (1) "Type"; "Chili, 82–107, Aegeria rufa Butler, Type" [partly on reverse side of label]; "Aegeria rufa Btlr., Tr. Ent. Soc. Lond. 1883 p. 58., Type" (female). (2) "Chili"; "Felder Colln."; "Tring Mus. 219"; "Chamaesphacia rufa Btlr. ♂ F. Le Cerf det."; "... rufa Btlr." [handwriting illegible]; "Rothschild Bequest B.M. 1939–1" (male; large, good condition). (3) "Chili, Edmonds"; "Ex. coll. Druce"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931–291" (female).

DISCUSSION: Of the three specimens listed above, only the third one has a label indicating that the specimen was collected by Edmonds. This is the only labeled specimen that can be linked directly to the original description of the species. For this reason the third syntype, a female, labeled "Chili, Edmonds," in the BMNH has been selected, labeled, and is designated as the lectotype.

170. *Premelittia rufescens* Le Cerf, 1916:9; 1917:235

"♀ nov. sp. Bolivie, Cochabamba, Yunga del Espiritu-Santo; ex P. Germain (1888–1889)."

"Type: 1 ♀, Bolivie, Cochabamba, Yunga-del-Espiritu-Santo; ex P. Germain (1888–1889); Coll. Ch. Oberthür" (Le Cerf, 1917:235).

HOLOTYPE: Female, in the PM: "TYPE"; "Premelittia rufescens Le Cerf, ♀ type, Et. Lep. comp. XII fig. 3136. XIV p. 235, F. LE CERF det. 1917"; "Bolivie, Cochabamba (Yunga del Espiritu Santo). P. Germain 1888–89"; "(Fig. 3136)."

171. *Aegeria ruficaudis* Walker, 1864:7

"Male."

"a, b. Ega. From Mr. Bates' collection."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Lectotype"; "Ega"; "Aegeria ruficaudis"; "B.M. Genitalia slide ♂ No. 15400" (male). (2) "Ega" (male).

DISCUSSION: The first male syntype, listed above from Ega, in the BMNH has been selected, labeled, and is designated as the lectotype.

172. *Melittia rugia* Druce, 1910:180

"Hab. Peru, Chanchamayo, 1000–1500 metres (Mus. Druce)."

HOLOTYPE: Female, in the BMNH: "Type"; "Chanchamayo, Peru, 1000–1500 Metres, Watkins"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931–291"; "Melittia rugia Druce, Type"; "ex Coll Druce."

173. *Aegeria santanna* Kaye, 1924:427

"Habitat. TRINIDAD, St. Ann's, 3.xii.21. (W. J. Kaye.) Type in coll. B.M."

HOLOTYPE: Female, in the BMNH: "Type"; "Trinidad, St. Ann's Val., 3 xii., 1921, W. J. Kaye"; "Aegeria santanna Kaye, Tr. Ent. Soc. Lond. 1924 p. 427, TYPE ♂, 1/1"; "Aegeria santanna Kaye."

DISCUSSION: While the third label indicates the specimen to be a male, examination of the specimen shows it to be a female.

174. *Sesia scarabitis* Meyrick, 1921:444

"♂. 14 mm."

"PERU, Jurimaguas, March (Parish); 1 ex."

HOLOTYPE: Unknown.

DISCUSSION: There is a specimen in the BMNH that bears a label in Meyrick's hand: "Aegeria scarabitis"; however, the locality for this specimen is Para, Brazil, rather than Jurimaguas, Peru, given by Meyrick in the original description. Additionally, the specimen bears the designation "3/3," which Meyrick used to indicate the third of three specimens. In the original description, Meyrick indicates that this species was described from a single specimen. Thus we conclude, as did Clarke (1955) before us, that the type of this species remains unknown.

175. *Leptaegeria schreiteri* Köhler, 1941:8

"♂ ♂"

"Cotipos: Instituto Lillo y Col. Breyer."

"Habitat: Villa Nougues, Tucumán, 1300 m. 1–1929. Schreiter leg. Bemberg, Misiones, XII–1933, Hayward leg."

SYNTYPES EXAMINED: 2 females: (1) "Villa Nougues, Pov. Tuc. M.A. 1.1929"; "Cotypos"; "Leptaegeria schreiteri Khlr., Det Koehler" (IML). (2) "Bemberg, Misiones, 1933, leg. Hayward"; label difficult to read; "Leptaegeria schreiteri Khlr., Det. Koehler"; "2281"; "Publicado por Instituto Lillo, Tucuman 1941"; "Museo La Plata" (UNLP).

DISCUSSION: Note both syntypes are females and

not males as indicated by Köhler in the original description. The better of the two specimens, the female syntype, from Bemberg, Misiones, in the UNLP, has been selected, labeled, and is designated as the lectotype.

176. *Aegeria sciophilaeformis* Walker, 1856:49

"Female."

"a. Pará. From Mr. Bates' collection."

HOLOTYPE: Female, in the BMNH: "LECTO-TYPE"; "Para"; "86. *Aegeria Sciophileformis*"; "B.M. ♀ Genitalia Slide No. 15402."

177. *Melittia scoliiformis* Schade, 1938:471

"1 Exemplar in meinem Besitz."

"Der Habitus ist ganz der einer kleinen Scoliide. Fundort: Villarrica, Loma Valentina. (Paraguay)"

TYPE: Unknown.

178. *Synanthedon scythropa* Zukowsky, 1936:1232

"Brazil, Itatiaya. 1 ♀ leg. Prof. SEITZ; type: Senckenberg Museum"

HOLOTYPE: Female, in the SMF: "Itatiaya, II.1927, Dr. Seitz leg."; "Senckenberg Museum"; "Typus"; "Senckenberg Museum, Frankfurt a. Main."

179. *Aegeria sellustiformis* Druce, 1883:30

"Hab. PANAMA, Bugaba 800 to 1500 feet (Champion)."

HOLOTYPE: Male, in BMNH: "LECTO-TYPE"; "Bugaba, 800-1500 ft. Champion"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria sellustiformis* Druce"; "type Sp. figured"; "B.M. ♂ Genitalia Slide No. 15401."

180. *Synanthedon semitrista* Zukowsky, 1936:236

"Type: Coll. MARTEN. As the couple was found in copula by Mr. MARTEN in Rio, there can be no doubt whatever about their belonging together."

"February, April, Rio de Janeiro, type in Coll. MARTEN."

SYNTYPES EXAMINED: 2 (both in the USS): (1) "8"; "Marten, semitrista"; "60 [circled in red] Rio, 14.4.27"; "Saarbrücken" (male). (2) "Type"; "Marten, semitrista"; "61 [circled in red] Rio, 22.2.27"; "Saarbrücken" (female).

DISCUSSION: There is another male specimen in the USS collection that has a printed red label: "Type." This label was apparently mistakenly

affixed to the wrong specimen, since this male lacks any locality or date information. The male syntype, listed above from Rio, in the USS has been selected, labeled, and is designated as the lectotype.

181. *Aegeria senta* Druce, 1883:30

"Hab. GUATEMALA, Panzos (Champion)."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "Type, H. T."; "Panzos, Vera Paz. Champion"; "Type, sp. Figured"; "B.C.A. Lep. Het., *Aegeria senta* Druce"; "Godman-Salvin Coll. 97.-52" (male). (2) "Panzos, Vera Paz. Champion"; "B.C.A. Lep. Het., *Aegeria senta* Druce"; "Godman-Salvin Coll. 97.-52" (female).

DISCUSSION: Because it is a male specimen, the male syntype, from Panzos, Vera Paz, in the BMNH has been selected, labeled, and is designated as the lectotype.

182. *Paranthrene silvai* Köhler, 1953:21

"Habitat Santa Cruz (V. 1944, Silva leg.)"

"Cótipos: Escuela de Agricultura Superior, Gabinete de Entomologia, Rio de Janeiro."

SYNTYPES EXAMINED: 4 (all in the UFRR): (1) "COTYPUS"; "9385"; "Lagayraseni guandeiro, Sta Cruz—D.F., v-944, A. Silva coll"; "Paranthrene silvai Khlr, Det. Koehler"; (female, left forewing missing). (2) "9385"; "Sta. Cruz, Rio de Janeiro, RJ-v-1944, Aristoteles Silva" (male). (3) "Esc. Nac. Agr. 9385"; "Sta. Cruz, Rio de Janeiro, RJ-v-1944, Aristoteles Silva" (female). (4) "Esc. Nac. Agr. 9385" (female).

DISCUSSION: The female syntype listed first above, though not the best of the four specimens, is in fairly good condition and apparently is the only one to have Köhler's and Silva's original labels. For these reasons it has been selected, labeled, and is designated as the lectotype. The UFRR was formerly known as the Escuela de Agricultura Superior.

183. *Melittia smithi* Druce, 1889:81

"Hab. Mexico, Rio Papagaio, Guerrero, 1200 feet, Dos Arroyos, Guerrero, 1000 feet (H. H. Smith)."

"This species was taken by Mr. Smith in September and October 1888 . . ."

SYNTYPES EXAMINED: 2 (both in the BMNH): (1) "type"; "R. Papagaio, Guerrero, 1200 ft., Oct. H. H. Smith"; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Melittia smithi* Druce"; "Type,

sp. Figured" (female). (2) "Dos Arroyos, Guerrero, 1000 ft., Sept. H. H. Smith"; "B.C.A. Lep. Het. *Melittia smithi* Druce"; "Godman-Salvin Coll. 97.-52" (female).

DISCUSSION: The female syntype in the BMNH from Rio Papagaio, Guerrero, has been selected, labeled, and is designated as the lectotype.

184. *Melittia sulphureopyga* Le Cerf, 1916:8; 1917:208

"♀ nov sp. Volcan de Chiriqui (Mai-Juin 1898); ex M. de Mathan."

"Types: 2 ♀, Volcan de Chiriqui (Panama), mai-juillet 1898; ex. M. de Mathan, Coll. Ch. Oberthür" (Le Cerf, 1917:208).

SYNTYPES EXAMINED: 1 (in the PM): "TYPE"; "Volcan de Chiriqui, Mai-Juin 1898, M. de Mathan"; "*Melittia sulphureopyga* Le Cerf, ♀ Type, Et. Lep. comp. XII fig. 3125, XIV p. 208, F. LE CERF det. 1917"; "Ex Collection Ch. Oberthür, acquise en IV-1925 par R. Biedermann"; "(fig. 3125)" (female).

DISCUSSION: Le Cerf (1917) stated that he had two types but only one could be located; therefore, the female syntype in the PM from Volcan de Chiriqui has been selected, labeled, and is designated as the lectotype.

185. *Melittia superba* Rothschild, 1909:132

"One ♂, Marcapate, E. Peru, 3500 ft. (Garlepp)."

HOLOTYPE: Female, in BMNH: "Type"; "Marcapate, E. Peru, 3500 ft."; "788"; "Tring Mus. 187"; "*Melittia superba* Rothschild, Type"; "Nov. Zool. XVI p. 32, 1909"; "Rothschild Bequest, B.M. 1939-1."

186. *Sesia surinamensis* Möschler, 1878:631

"♂ ♀ von Paramaribo."

TYPE: Lost.

187. *Euryphrissa syngenica* Zukowsky, 1936:1246

"Brazil (Rio Grande do Sul) and Peru (Pebas).

2 ♀ ♀. Types: Berlin Zool. Museum."

SYNTYPES EXAMINED: 2 females (both in the MNHB): (1) "3"; "Rio Grande do Sul, 1898 Mabilde"; "262"; "Typus" [red]; "Type" [pink]; "Euryphrissa, syngenica, Zuk." (2) "Pepas, Hbl"; "Typus" [red]; "Type" [pink]; "268"; "Euryphr., syngenica, Zuk."

DISCUSSION: The first syntypic female above has

been selected, labeled, and is designated as the lectotype.

188. *Aegeria tabogana* Druce, 1883:31

"Hab. PANAMA, Taboga Island (Champion)."

"Mr. Champion only obtained a single specimen of this very distinct species."

HOLOTYPE: Female, in the BMNH: "Type H.T."; "Taboga Isl., Panama. Champion."; "Godman-Salvin Coll. 97.-52"; "B.C.A. Lep. Het. *Aegeria tobogana* Druce"; "Type. Sp. figured."

189. *Melittia tayuyana* Bruch, 1941:161

"Piezas del material descrito en este opusculo he depositado en las Colecciones Entomologicas l'del Museo de La Plata."

HOLOTYPE: Male, in the UNLP: "ex. Cayaponia fissifolia Cogn., Vincente Lopez, 14.XII.39. C. Bruch"; "Foto: C. Bruch 21.XII.39, Notas, Museo, 1941"; "*Melittia bergii* Hy. Edw., Det Koehler"; "*Melittia tayuyana* Bruch, C. Bruch determ. ver. Notas Museo, no 48.1944./0.163"; "Museo La Plata."

190. *Dipsosphecia teleta* Le Cerf, 1916:11; 1917:292

"Type: 1 ♂, Brésil, Caraca; ex P. Germain (2° semestre 1884); Coll. Ch. Oberthür."

HOLOTYPE: Male, in the PM: "TYPE"; "*Dipsosphecia teleta* Le Cerf, ♂ Type, Et. Lep. Comp. XII fig. 3164, XIV p. 162, F. LE CERF det. 1917"; "Bresil, Caraca, P. Germain, 2° Semestre 1884"; "(fig. 3164)"; "Ex Collection Ch. Oberthür, asquise en IV-1925 par. R. Biedermann."

191. *Aegeria tetranoma* Meyrick, 1932:337

"♂. 23 mm."

"Peru, Iquites, March (Parish); 1 ex. Vol. IV.—December 1932."

HOLOTYPE: Male, in the BMNH: "Holo-type"; "Iquitos, Peru, Parish, 3.20"; "*Aegeria tetranoma* Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "tetranoma Meyr."; "Meyrick Coll. B.M. 1938-290."

192. *Sesia theobromae* Busck, 1910:242

"Habitat: Trinidad, British West Indies."

"Type, male U.S. Nat. Mus. No. 13381."

"Bred by Mr. P. L. Guppy from dry pods of Cacao."

HOLOTYPE: Male, in the NMNH: "Cocoa pod, St. Clair, larvae in pod, 9.8.10"; "Type No/3381

U.S.N.M."; "*Sesia theobromae* Busck, Type"; "♂ genitalia on slide, AB Febr. 24, 1937."

193. *Synanthedon tineosphacia* Zukowsky, 1936:1232
"Brazil, Itaituba, types in the Berlin Zool. Museum."

SYNTYPES EXAMINED: 2 males (both in the MNHB): (1) "Itaituba Hbl."; "264"; "Typus" [red]; "Type" [pink]; "Syn., tineosphacia, Zuk."

DISCUSSION: The first syntypic male has been selected, labeled, and is designated as the lectotype.

194. *Aegeria tryphoniformis* Walker, 1856:48
"Male."

"Female?"

"a, b. Villa Nova. From Mr. Bates' collection."

"c--e. Pará. From Mr. Bates' collection."

SYNTYPES EXAMINED: 1 (in the BMNH): "Type"; "Villa Nova"; "84. *Aegeria tryphoniformis*"; "*Aegeria tryphoniformis* Wkr., Cat. Lep. BM. 8.48 sp. 84 (1856), a. Villa Nova (Bates, H. W.), 1855:44, Type (1/5) descr" (female).

DISCUSSION: Only one of the five syntypes could be located; therefore, the female syntype, listed above from Villa Nova, in the BMNH has been selected, labeled, and is designated as the lectotype.

195. *Sesia tucumana* Le Cerf, 1911:300

"Type: 1 ♂, envergure 14 milimètres, in coll. Muséum de Paris; République Argentine, environs de Tucuman, Yerba buena, décembre 1909. E.-R. Wagner."

HOLOTYPE: Male, in the PM: "TYPE"; "*Sesia tucumana* Le Cerf, ♂ type, F. LE CERF det."; "Republ. Argne, env. Tucuman"; "*Sesia tucumana* Le Cerf, Bull. Museum, 1911, p. 300."

196. *Melittia umbrosa* Zukowsky, 1936:1251

"1 ♂. 26 mm. Brazil, Nova Teutonia, Sa. Catharina. Type in the Coll. Plaumann."

TYPE: Lost.

DISCUSSION: Information received from Mr. F. Plaumann (pers. comm.) concerning the location of the type-specimen of this species is as follows: "The type of MELITTIA UMBROSA is not in my collection, as far as I can remember Prof. Seitz asked me at that time to give it to the Senkenberg [sic] Museum. . . ." Efforts to locate the specimen at the SMF have met with no success. We therefore consider this type lost.

197. *Aegeria unicolor* Walker, 1864:9

"Male."

"a. Ega. From Mr. Bates' collection."

HOLOTYPE: Male in the BMNH: "Type"; "Ega"; "*Aegeria unicolor*."

198. *Aegeria ventralis* Druce, 1911:292

"Expanse 1 inch."

"Hab. East Peru, Chanchamayo, 2000 m. (Mus. Druce)."

HOLOTYPE: Male in the BMNH: "Type"; "Chanchamayo, E. Peru, 2000 m, Oct and Nov '06"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "*Aegeria ventralis* Druce, Type"; "87."

199. *Aegerina vignae* Busck, 1929:134

"Type and Cotypes.—Cat. No. 42161, U. S. N. M."

"Type locality.—Bahia, Brazil."

"Foodplant.—Stems of *Vigna sinensis* Endl. (cowpea) and other cultivated leguminous plants (Gregorio Bondar)."

HOLOTYPE: Female, in the NMNH: "1170"; "In Leguminous Plant, Bahia, Brazil"; "Gregorio Bondar"; "*Aegerina vignae* Busck, Type."

200. *Sesia votaria* Meyrick, 1921:444

"♂. 11 mm."

"BRAZIL, Para, Tefé, June, July, and January (Parish); 3 ex."

SYNTYPES EXAMINED: 3 (all in the BMNH): (1) "Para, Brazil, Parish, 6-19"; "*Aegeria votaria* Meyr., 3/1 E. Meyrick det in Meyrick Coll."; "Meyrick Coll. B.M. 1938-290"; "Syntype" (female). (2) "Para, Brazil, Parish, 6-19"; "*Aegeria votaria* Meyr., 3/2 E. Meyrick det in Meyrick Coll."; "Meyrick Coll. B.M. 1938-290"; "Syntype" (female). (3) "Teffe, Brazil, Parish, 1-20"; "*Aegeria votaria* Meyr., 3/3 E. Meyrick det in Meyrick Coll."; "Meyrick Coll. B.M. 1938-290"; "votaria Meyr."; "Syntype" (male).

DISCUSSION: The male syntype in the BMNH from Tefé has been selected, labeled, and is designated as the lectotype.

201. *Sesia wagneri* Le Cerf, 1911:298

"Type: 1 ♂, envergure 18.5 millim. in coll. Muséum de Paris; République Argentine, Mistol Paso, environs d'Icaño, novembre-décembre 1909. E.-R. Wagner."

HOLOTYPE: Male, in the PM: "TYPE"; "Republ. Argne, env. Icaño, Mus. Paris"; "*Chamaesphracia* (= *Sesia*) *wagneri* Le Cerf, ♂ Type, F. LE CERF det."; "*Sesia wagneri* Le Cerf, Bull. Museum, 1911, p. 298, pl. 4, fig. 5."

202. *Carmenta wellerae* Duckworth and Eichlin, 1976:

"Types: Holotype: ♂, Cuiteco, Chih., Mex., VIII-9-1969, T. A. Sears, R. C. Gardner, C. S. Glasser, F. C. Weller, (USNM No. 73430), deposited in the USNM."

HOLOTYPE: Male, in the NMNH: "Cuiteco, Chih., Mex., VIII-9-1969"; "T. A. Sears, R. C. Gardner, C. S. Glasser, J. C. Weller"; "HOLOTYPE ♂, *Carmenta welleri* Duckworth & Eichlin, USNM No. 73430."

203. *Aegeria whitelyi* Druce, 1899:204

"Hab. British Guiana (Whitely, Mus. Druce)."

HOLOTYPE: Female, in the BMNH: "Type"; "British Guiana, Whiteley"; "Ex coll. Druce"; "Presented by J. J. Joicey Esq., Brit. Mus. 1931-291"; "*Aegeria whitelyi*; Druce, Type."

204. *Conopia xanthomelanina* Zukowsky, 1936:1241

"1 couple. Itatiaya, Brazil, December, January. Type: Coll. MARTEN."

SYNTYPES EXAMINED: 2 females (both in the USS): (1) "Type"; "28.XII.25, Maroniad [?-handwritten penciled label] Blüten"; "Marten, xanthomelanina"; "57 [circled in red] Itatiaya, 28.12.25"; "Type: C. xanthomelanina Zuk."; "Saarbrücken." (2) "Type"; "Marten, xanthomelanina"; "56 [circled in red] Itatiaya, 16.1.26"; "Type: C. xanthomelanina Zuk."; "Saarbrücken"; (head missing).

DISCUSSION: Zukowsky thought he had both sexes and described the syntype listed first above as a male and the second as a female, when in fact both are females. The first syntype, a female dated "28.XII.25" at the USS has been selected, labeled, and is designated as the lectotype.

205. *Synanthedon xanthoneura* Zukowsky, 1936:1220

"1 ♂. Villarica, Paraguay."

"Type: Coll. ZUKOWSKY."

HOLOTYPE: Male, in the WLMN: "*Aegeria* (*Sesia*) Mar. 35, Villarica, leg. Schade (?); "Type, Syn. xanthoneura Zuk."; "Münster."

206. *Sesia xanthonympha* Meyrick, 1921:443

"♀. 17 mm."

"BRAZIL, Para, June (Parish); 1 ex."

HOLOTYPE: Female, in the BMNH: "Holotype"; "Para, Brazil. Parish 6.-19"; "*Aegeria xanthonympha* Meyr., 1/1, E. Meyrick det. in Meyrick Coll."; "xanthonympha Meyr."; "Meyrick Coll., B.M., 1938-290."

207. *Melittia xanthopus* Le Cerf, 1916:9; 1917:209

"♂ nov. sp. Perou, Prov. Cuzco, (3.000 m.); ex Garlepp; acq. Staudinger (1899)."

"Types: 3 ♂♂, Perou (Province de Cuzco), Vilcanota (3.000 m. alt.), et Bolivie, La Paz (ex Garlepp) acq. O. Staudinger (1899); Coll. Ch. Oberthür" (Le Cerf, 1917:209).

SYNTYPES EXAMINED: 2 (both in the PM): (1) "420"; "Bolivie, La Paz, E. Garlepp (Staudinger 1895)"; "Melittia n. sp."; "Melittia xanthopus LeCerf, ♂ Type, Et. Lep. comp. XIV p. 209, F. LE CERF det. 1917" (male). (2) "229"; "TYPE"; "Perou, prov. Cuzco, Vilcanota, 3000 m, ex Garlepp. Stgr. 1899"; "Melittia xanthopus LeCerf, ♂ Type, Et. Lep. comp. XII fig. 3127, XIV p. 209, F. LE CERF det. 1917"; "(fig. 3127)"; (male; hind legs in envelope).

DISCUSSION: Only two of the three syntypes could be located. The second male syntype, listed above from Peru, in the PM has been selected, labeled, and is designated as the lectotype, because this specimens was apparently the one figured by Le Cerf (1916, fig. 3127).

Literature Cited

- Beutenmüller, W.
1901. Monograph of the Sesiidae of America, North of Mexico. *Memoirs of the American Museum of Natural History*, 1:217-315.
- Boisduval, J. A.
1874. Species général des Lépidoptères Hétérocères . . . In Roret, *Collection des Buffon*, Volume I, iv + 568 pages, 11 plates. Paris.
- Brethes, J.
1920. Insectos Utiles y Dañinos del Rio Grande do Sul y de La Plata. *Anales de la Sociedad Rural Argentina*, 54:281-290, 307-308.
- Bruch, C.
1941. Observaciones Biologicas sobre "Melittia bergi" Edwards (Lepidoptera: Aegeriidae). *Notas del Museo de La Plata*, 4:157-163.
- Bryk, F.
1953. Lepidoptera aus dem Amazonasgebiet und aus Peru gesammelt von Dr. Douglas Melin und Dr. Abraham Roman. *Arkiv für Zoologi*, 5(1-3):1-268.
- Burmeister, H.
1878. Lépidopteres. *Description Physique de la République Argentine*, 5(1): vi + 526 pages.
- Busck, A.
1910. List of Trinidad Microlepidoptera with Descriptions of New Species. *Bulletin of the Department of Agriculture*, 9:241-245.
1920. Description of New Central American Microlepidoptera. *Insecutor Inscitiae Menstruus*, 8:83-95.
1929. A New Aegeriid on Cowpea from Brazil (Lepidoptera: Aegeriidae). *Proceedings of the Entomological Society of Washington*, 31:134-137.
- Butler, A. G.
1874. Notes on the Aegeriidae, with Descriptions of New Genera and Species. *The Annals and Magazine of Natural History*, series 4, 14:407-411.
1883. Heterocerous Lepidoptera Collected in Chile by Thomas Edmonds, Esq., Part IV: Pyrales and Micros. *Transactions of the Entomological Society of London*, 1883:49-89.
- Clarke, J.F.G.
1955. *Catalogue of the Type Specimens of Microlepidoptera in the British Museum (Natural History) Described by Edward Meyrick*. Volume 1. London: British Museum.
1962. A New Genus and Species of Clear-Wing Moth Injurious to Fig in Colombia (Lepidoptera: Aegeriidae). *Proceedings of the United States National Museum*, 113:383-388.
- Druce, H.
1881-1900. Lepidoptera-Heterocera. In Godman and Salvin, *Biologia Centrali-Americana*, 1: xxxii + 490 pages, 41 plates. London: Taylor & Francis. [Aegeriidae: pages 28-32, 1883; pages 33-34, 1884.]
1889. Descriptions of New Species of Lepidoptera, Chiefly from Central America. *The Annals and Magazine of Natural History*, series 6, 4:77-94.
1892. Description of a New Genus and Some New Species of Heterocera from Central America. *The Annals and Magazine of Natural History*, series 6, 9:275-279.
1893. Descriptions of New Species of Lepidoptera Heterocera from Central and South America. *Proceedings of the Zoological Society of London*, 1893:280-311.
1896. Descriptions of Some New Genera and Species of Heterocera from Central and Tropical South America. *Annals and Magazine of Natural History*, series 6, 18:28-42.
1899. Descriptions of Some New Species of Heterocera. *The Annals and Magazine of Natural History*, series 7, 4:200-205.
1910. Descriptions of Some New Species of Heterocera from East and West Africa and Tropical South America. *The Annals and Magazine of Natural History*, series 8, 6:168-183.
1911. Descriptions of Some New Species of Heterocera from Tropical America, and Two New Species of Geometridae from West Africa. *The Annals and Magazine of Natural History*, series 8, 7:287-294.
- Duckworth, W. D.
1969. A New Species of Aegeriidae from Venezuela Pre-daceous on Scale Insects (Lepidoptera: Yponomeutoidea). *Proceedings of The Entomological Society of Washington*, 71:487-490.
- Duckworth, W. D. and T. D. Eichlin
1973a. The Type-Material of North American Clearwing Moths (Lepidoptera: Sesiidae). *Smithsonian Contributions to Zoology*, 148:1-34.
1973b. New Species of Clearwing Moths (Lepidoptera: Sesiidae) from North America. *Proceedings of the Entomological Society of Washington*, 75(2):150-159.
1976. A New Species of Clearwing Moth (Lepidoptera: Sesiidae) from Northern Mexico and Southeastern Arizona. *Proceedings of the Entomological Society of Washington*, 78(3):304-308.
- Edwards, Henry
1881. New Genera and Species of the Family Aegeridae. *Papilio*, 1(10):179-208.
1883. New Species of Aegeridae. *Papilio*, 3(7-10):155-157.

- Engelhardt, G. P.
1946. The North American Clear-Wing Moths of the Family Aegeriidae. *Smithsonian Institution, United States National Museum Bulletin*, 190:222 pages.
- Giacomelli, E.
1911. Lepidópteros riojanos huevos ó poco conocidos. *Anales de la Sociedad Científica Argentina*, 72:19-40.
- Herrich-Schäffer, G.A.W.
1866. Schmetterlinge aus Cuba. *Correspondenzblatt des Zoologisch-Mineralogischen Vereines in Regensburg*, 20(8):109.
- Kaye, W. J.
1924. New Species and Subspecies of Trinidad Rhopalocera and Heterocera. *Transactions of the Entomological Society of London*, 1924:427.
- Köhler, P.
1941. *Aegeriidae Argentinas del Instituto Miguel Lillo (Lep. Het.)*. Buenos Aires: Imprenta y Casa Editoria Coni.
1953. Nuevas Especies de Heterocera (Lep.). *Revista de las Sociedad Entomológica Argentina*, 16:15-24.
- LeCerf, F.
1911. Descriptions d'Aegeriidae Nouvelles. *Bulletin du Muséum National d'Histoire Natural, Paris*, 17: 297-307.
1916. Explication des planches. In Charles Oberthür, *Etudes de Lépidoptérologie Comparée*, XII (1):7-14, plates 373-381.
1917. Contributions a l'étude des Aegeriidae, description et iconographie d'especes et de formes nouvelles ou peu connus. In Charles Oberthür, *Etudes de Lépidoptérologie comparée*, 14:137-388.
- Mackay, M. R.
1968. The North American Aegeriidae (Lepidoptera): A Revision Based on Late-Instar Larvae. *Memoirs of the Entomological Society of Canada*, 58:3-112.
- Meyrick, E.
1918. *Exotic Microlepidoptera*, 2:180. Marlborough, England: Published by the author.
1921. *Exotic Microlepidoptera*, 2:442-444. Marlborough, England: Published by the author.
1930. Ergebnisse einer zoologischen Sammelreise nach Brasilien, insbesondere in das Amazonasgebiet, ausgeführt von Dr. H. Zerny, 5: Micro-Lepidoptera. *Annalen des Naturhistorischen Museums in Wien*, 44:223-268.
1932. *Exotic Microlepidoptera*, 4:337. Marlborough, England: Published by the author.
- Möschler, H. B.
1878. Beiträge zur Schmetterlings-Fauna von Surinam, II: Heterocera. *Verhandlungen der Kaiserlich-königlichen Zoologisch-botanischen Gesellschaft in Wien*, 27:629-700.
- Philippi, R. A.
1859. Descripción de algunas nuevas especies de Mariposas chilenas principalmente de la Provincia de Valdivia. *Anales de la Universidad de Chile*, 16: 1088-1114.
- Rothschild, W.
1909. A New Aegeriid. *Novitates Zoologicae*, 16:132.
1911. New Aegeriidae. *Novitates Zoologicae*, 18:45-47.
- Schade, F.
1938. Neue, neotropische Aegeriiden. *Entomologische Rundschau*, 55:471-472.
1939. *Melittia powelli* LeCerf var. *chryscens*. *Entomologische Rundschau*, 56:230-231.
- Ureta, E.
1956. Revision de la Familia Aegeriidae (Lep. Het.) en Chile. *Boletín del Museo Nacional de Historia Natural*, 26:261-267.
- Walker, F.
1856. *List of the Specimens of Lepidopterous Insects in the British Museum*. Part 8, 271 pages. London: British Museum.
1864. *List of the Specimens of Lepidopterous Insects in the Collection of the British Museum*. Part 31, 321 pages. London: British Museum.
- Zukowsky, B.
1936. Family: Aegeriidae. In Seitz, *Die Gross-Schmetterlinge der Erde*, 6:1215-1262.
1950. Zwei Neue Südamerikanische Aegeriiden. *Entomologische Zeitschrift*, 60:22-23.

REQUIREMENTS FOR SMITHSONIAN SERIES PUBLICATION

Manuscripts intended for series publication receive substantive review within their originating Smithsonian museums or offices and are submitted to the Smithsonian Institution Press with approval of the appropriate museum authority on Form SI-36. Requests for special treatment—use of color, foldouts, casebound covers, etc.—require, on the same form, the added approval of designated committees or museum directors.

Review of manuscripts and art by the Press for requirements of series format and style, completeness and clarity of copy, and arrangement of all material, as outlined below, will govern, within the judgment of the Press, acceptance or rejection of the manuscripts and art.

Copy must be typewritten, double-spaced, on one side of standard white bond paper, with 1 $\frac{1}{4}$ " margins, submitted as ribbon copy (not carbon or xerox), in loose sheets (not stapled or bound), and accompanied by original art. Minimum acceptable length is 30 pages.

Front matter (preceding the text) should include: **title page** with only title and author and no other information, **abstract page** with author/title/series/etc., following the established format, **table of contents** with indents reflecting the heads and structure of the paper.

First page of text should carry the title and author at the top of the page and an unnumbered footnote at the bottom consisting of author's name and professional mailing address.

Center heads of whatever level should be typed with initial caps of major words, with extra space above and below the head, but with no other preparation (such as all caps or underline). Run-in paragraph heads should use period/dashes or colons as necessary.

Tabulations within text (lists of data, often in parallel columns) can be typed on the text page where they occur, but they should not contain rules or formal, numbered table heads.

Formal tables (numbered, with table heads, boxheads, stubs, rules) should be submitted as camera copy, but the author must contact the series section of the Press for editorial attention and preparation assistance before final typing of this matter.

Taxonomic keys in natural history papers should use the alined-couplet form in the zoology and paleobiology series and the multi-level indent form in the botany series. If cross-referencing is required between key and text, do not include page references within the key, but number the keyed-out taxa with their corresponding heads in the text.

Synonymy in the zoology and paleobiology series must use the short form (taxon, author, year:page), with a full reference at the end of the paper under "Literature Cited." For the botany series, the long form (taxon, author, abbreviated journal or book title, volume, page, year, with no reference in the "Literature Cited") is optional.

Footnotes, when few in number, whether annotative or bibliographic, should be typed at the bottom of the text page on which the reference occurs. Extensive notes must appear at the end of the text in a notes section. If bibliographic footnotes are required, use the short form (author/brief title/page) with the full reference in the bibliography.

Text-reference system (author/year/page within the text, with the full reference in a "Literature Cited" at the end of the text) must be used in place of bibliographic footnotes in all scientific series and is strongly recommended in the history and technology series: "(Jones, 1910:122)" or ". . . Jones (1910:122)."

Bibliography, depending upon use, is termed "References," "Selected References," or "Literature Cited." Spell out book, journal, and article titles, using initial caps in all major words. For capitalization of titles in foreign languages, follow the national practice of each language. Underline (for italics) book and journal titles. Use the colon-parentheses system for volume/number/page citations: "10(2):5-9." For alinement and arrangement of elements, follow the format of the series for which the manuscript is intended.

Legends for illustrations must not be attached to the art nor included within the text but must be submitted at the end of the manuscript—with as many legends typed, double-spaced, to a page as convenient.

Illustrations must not be included within the manuscript but must be submitted separately as original art (not copies). All illustrations (photographs, line drawings, maps, etc.) can be intermixed throughout the printed text. They should be termed **Figures** and should be numbered consecutively. If several "figures" are treated as components of a single larger figure, they should be designated by lowercase italic letters (underlined in copy) on the illustration, in the legend, and in text references: "Figure 9b." If illustrations are intended to be printed separately on coated stock following the text, they should be termed **Plates** and any components should be lettered as in figures: "Plate 9b." Keys to any symbols within an illustration should appear on the art and not in the legend.

A few points of style: (1) Do not use periods after such abbreviations as "mm, ft, yds, USNM, NNE, AM, BC." (2) Use hyphens in spelled-out fractions: "two-thirds." (3) Spell out numbers "one" through "nine" in expository text, but use numerals in all other cases if possible. (4) Use the metric system of measurement, where possible, instead of the English system. (5) Use the decimal system, where possible, in place of fractions. (6) Use day/month/year sequence for dates: "9 April 1976." (7) For months in tabular listings or data sections, use three-letter abbreviations with no periods: "Jan, Mar, Jun," etc.

Arrange and paginate sequentially EVERY sheet of manuscript—including ALL front matter and ALL legends, etc., at the back of the text—in the following order: (1) title page, (2) abstract, (3) table of contents, (4) foreword and/or preface, (5) text, (6) appendixes, (7) notes, (8) glossary, (9) bibliography, (10) index, (11) legends.

