

## MOSQUITOES OF ARGENTINA

Part II. Geographic Distribution and Bibliography  
(Diptera, Culicidae)

Carl J. Mitchell\* and Richard F. Darsie, Jr.\*\*

## TABLE OF CONTENTS

	Page
INTRODUCTION	280
ACKNOWLEDGMENTS	281
GEOGRAPHIC DISTRIBUTION OF THE MOSQUITOES OF ARGENTINA	287
BIBLIOGRAPHY OF THE MOSQUITOES OF ARGENTINA	336
INDEX FOR PARTS I AND II	357

## ABSTRACT

Distributional data are presented for 208 species occurring in Argentina, 2 species for which records apparently are based on misidentifications, and 1 species that no longer is found there. Data are organized by province or, in the case of Tierra del Fuego, by national territory. The relationship of the mosquito fauna of Misiones Province to that of Brazil is documented, and attention is drawn to the depauperate mosquito fauna of the Patagonian Region of Argentina. Literature citations or collection records, or both, are given to document the occurrence of each species in a particular province or territory. A comprehensive bibliography is provided.

---

\*Chief and \*\*Research Entomologist, Vector Virology Laboratory, Division of Vector-borne Viral Diseases, Center for Infectious Diseases, Centers for Disease Control, Public Health Service, U. S. Department of Health and Human Services, P. O. Box 2087, Fort Collins, Colorado 80522.

\*\*Present address: International Center for Public Health Research, University of South Carolina, P. O. Box 699, McClellanville, South Carolina 29458.

## INTRODUCTION

Epizootics of equine encephalitis have swept through the Argentine Pampa at irregular intervals with devastating results (Sabattini et al. 1985). Attempts to clarify vector relationships of the responsible viruses have been hampered by the lack of appropriate identification keys to the female mosquitoes and the lack of a ready source of information concerning species composition and distribution in the affected areas. For example, 23.3% of 313,233 mosquitoes collected during 1977-80 could only be identified as *Culex* (*Culex*) species (Mitchell et al. 1985b). The present publication and the preceding one are intended to serve as a basis for rectifying some of these problems.

Existing distribution lists of the mosquitoes of Argentina are outdated (Castro et al. 1959 (1960); Duret 1950a, 1950c, 1951a,b,c, 1952). The most recent (Castro et al. 1959 (1960)) lists only 158 species. The catalog of Knight & Stone (1977) and the two supplements to the catalog (Knight 1978, Ward 1984) brought the total to 169 species. The following distribution list includes an additional 39 species, thus bringing the total to 208. The distribution lists by Duret (op. cit.) served as the starting point for the present compilation. With few exceptions, our literature survey encompassed publications appearing since 1951. Although political boundaries make poor zoogeographic markers, they do serve as ready reference points for discussing distribution patterns that are distinctive and for approximating the distribution of species that have been poorly studied. Therefore, the following distributional data are organized by political province, or, in the case of Tierra del Fuego, by national territory. Distinctions are not made between the federal capital and the province of Buenos Aires, since species that occur in the city probably occur in the province as well.

Argentina extends from the Tropic of Capricorn to southern latitudes comparable to those of southeastern Alaska in the northern hemisphere, and from the South Atlantic seashore to Aconcagua (6,964 m.) the highest peak in the western hemisphere. The environmental variety provided by such diversity in climate and physiography is reflected in the composition of the mosquito fauna. Misiones Province in the northeast (Fig. 1-A) has a tropical fauna more akin to that of southern Brazil than to other parts of Argentina. One hundred and thirty mosquito species have been recorded from Misiones (Table 1); 60 of these have not been found elsewhere in Argentina. Therefore, only 70 species (54%) of Misiones' fauna are shared with other parts of the country. In contrast, at least 115 species (88%) are shared with Brazil.

Few mosquito species have been recorded in the tier of provinces bordering Chile along the Andes from Catamarca southward (Fig. 1-B). This is true also for San Luis and La Pampa Provinces. Despite the absence of records in the literature, a few mosquito species undoubtedly occur in La Pampa Province, such as the ubiquitous *Aedes albifasciatus* and members of the *Culex pipiens* complex. Patagonia, which stretches through 1,000 miles (1,609 km.) of latitude from the Colorado River (the northern border of Rio Negro and Neuquen Provinces) to the Beagle Channel, south of Tierra del Fuego, has a depauperate mosquito fauna (Fig. 1-B). Only eight species are known from this vast area;

three species of *Aedes* (*Ochlerotatus*) and five species of *Culex* (*Culex*) (Table 1). The tip of South America represents the southernmost continental extension with the exception of Antarctica. Tierra del Fuego falls within the range of latitude of the more southern major subantarctic islands: South Georgia, Heard, and Macquarie. None of the latter three islands have mosquitoes; therefore, the records of *Ae. albifasciatus* from Tierra del Fuego (Bachmann & Bejarano 1960, Forattini et al. 1970) probably indicate that this is the southernmost area in the world where a mosquito species is permanently established.

Three species listed in the text are not known to occur in Argentina. *Aedes aegypti* has not been established in Argentina since the eradication campaign passed to the vigilance stage in 1963 (Carcavallo & Martinez 1968a); however, in view of its public health importance, it seems prudent to list previous distribution records. *Aedes aegypti* is present in neighboring Paraguay and Bolivia. Argentine records for two additional species, *Culex inflictus* and *Mansonia pessoai*, appear to be based on misidentifications; however, inclusion of distribution records for these species seems warranted. None of the aforementioned three species are included in the species total for Argentina (208) or in other statistical data.

All distributional data are from the published literature with two exceptions. A few unpublished records of collections made by one of the authors (CJM) and Ms. Liliana Buffa, Catedra de Entomologia, National University of Cordoba, also are included.

The following bibliography serves for this and Part I of this series. An attempt was made to review all relevant literature published since the distribution lists by Duret (op. cit.) were prepared, but we also have included older literature citations as well as other publications dealing with Argentine mosquitoes. Therefore, not all of the publications listed in the bibliography are cited in the text; however, we feel that it is worthwhile to have a reasonably comprehensive bibliography for the mosquitoes of Argentina published as a unit.

#### ACKNOWLEDGMENTS

We express our appreciation to the following individuals for their assistance with this project: Dr. Jose P. Duret, Medico (Retired), Buenos Aires, for providing reprints of his extensive contributions to the literature on Argentine mosquitoes; Dr. Ronald A. Ward, Walter Reed Army Institute of Research, Washington, DC, for copies of his published bibliographies on South American mosquitoes; Mr. Ray E. Bailey, Division of Vector-Borne Viral Diseases, Fort Collins, CO, for adapting distributional data, gleaned from the literature by the senior author, into a computer program compatible with Mrs. Galyardt's word processor; Mrs. Patsy Galyardt, Division of Vector-Borne Viral Diseases, Fort Collins, CO, for patiently and cheerfully typing multiple drafts of a bibliography largely in a language she does not understand, and for typing and incorporating the notes sections into the text; Professora Mireya Brewer, Ms. Liliana Buffa, and Mr. Walter Almiron, Catedra de Entomologia, National University of Cordoba, for standardizing abbreviations of Spanish language periodicals and for bringing additional references to our attention; and, Drs. R. A. Ward, E. L. Peyton, D. Strickman and E. G. Balseiro for reviewing the manuscript.

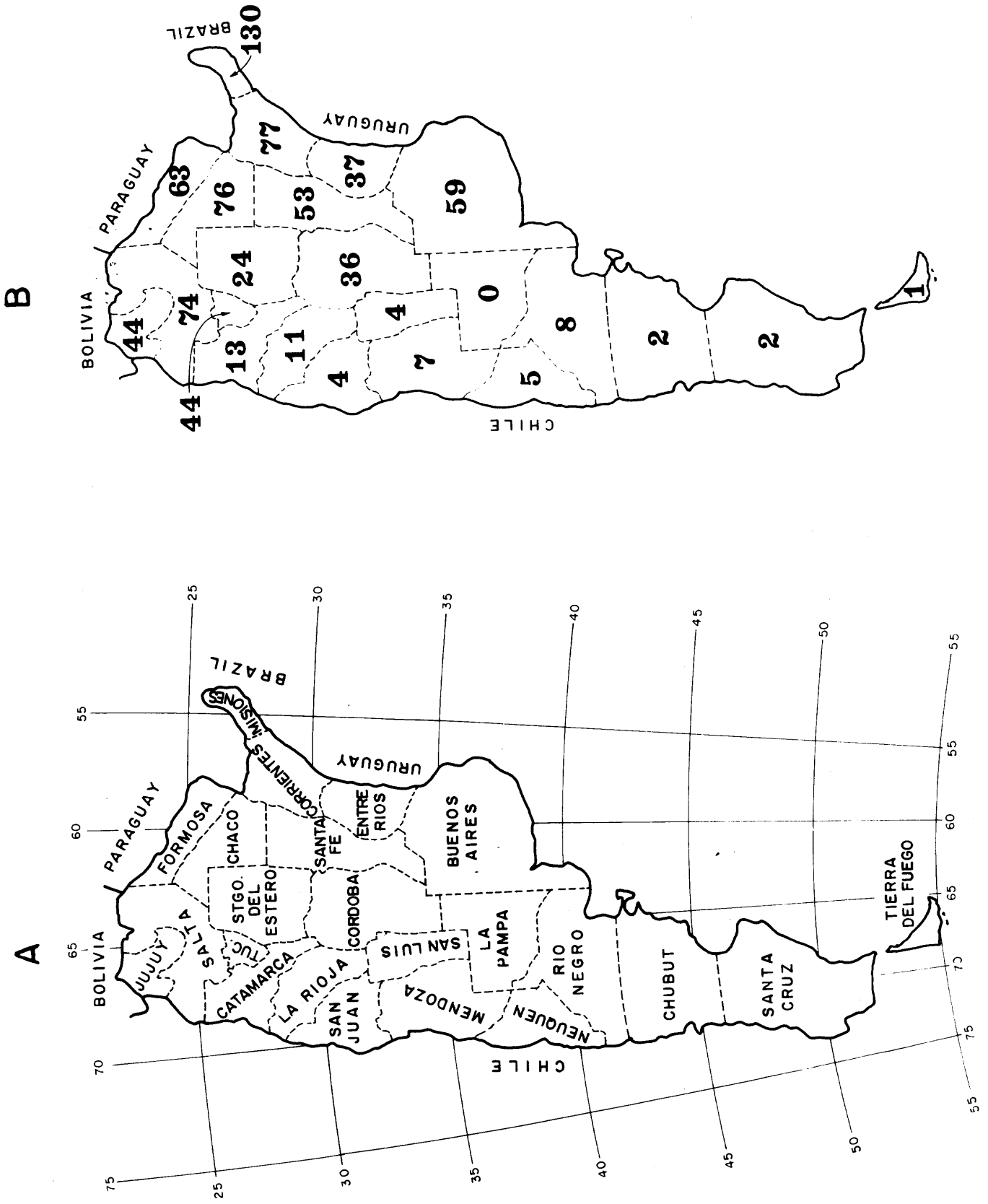


Figure 1. Map of Argentina. A) Provinces and Territory, B) Number of mosquito species per political subdivision.

TABLE 1. DISTRIBUTION OF MOSQUITOES IN ARGENTINA BY PROVINCE\* AND TERRITORY

Species	Buenos Aires (59)	Catamarca (13)	Chaco (76)	Chubut (2)	Cordoba (36)	Corrientes (77)	Entre Rios (37)	Formosa (63)	Jujuy (44)	La Rioja (11)	Mendoza (7)	Misiones (130)	Neuquen (5)	Rio Negro (8)	Salta (74)	San Juan (4)	San Luis (4)	Santa Cruz (2)	Santa Fe (53)	Santiago del Estero (24)	Tierra del Fuego (1)	Tucuman (44)	
<i>Ad. squamipennis</i>	●																						
<i>Ae. albifasciatus</i>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●
<i>Ae. alboapicus</i>			●																				
<i>Ae. aurivittatus</i>															●								
<i>Ae. casali</i>															●								●
<i>Ae. crinifer</i>	●		●			●	●					●			●								●
<i>Ae. fluviatilis</i>						●						●											
<i>Ae. fulvus</i>			●					●				●											
<i>Ae. hastatus</i>			●			●						●											
<i>Ae. martinezi</i>														●									
<i>Ae. meprai</i>		●													●								
<i>Ae. milleri</i>					●				●						●								
<i>Ae. nubilus</i>												●											
<i>Ae. oligopistus</i>															●								
<i>Ae. patersoni</i>									●						●								
<i>Ae. penmai</i>												●											
<i>Ae. pseudo-</i> <i>dominicci</i>															●								
<i>Ae. raymondi</i>									●														
<i>Ae. scapularis</i>	●	●	●		●	●	●	●	●		●	●		●	●				●	●	●	●	●
<i>Ae. serratus</i>	●	●	●		●	●	●	●	●		●	●		●	●				●	●	●	●	●
<i>Ae. stigmaticus</i>			●		●	●		●							●				●	●	●	●	●
<i>Ae. synchytus</i>												●											
<i>Ae. terreus</i>			●						●			●			●								●
<i>Ae. vanemdeni</i>															●								
<i>An. albitarsis</i>	●	●	●		●	●	●	●	●	●		●		●	●				●	●	●	●	●
<i>An. amulipalpis</i>	●					●	●				●								●	●	●	●	●
<i>An. antunesi</i>												●											
<i>An. apicimacula</i>	●											●			●				●	●	●	●	●
<i>An. argyritarsis</i>	●	●	●		●	●		●	●	●		●		●	●		●		●	●	●	●	●
<i>An. bambusicolus</i>												●											
<i>An. cruzii</i>												●											
<i>An. darlingi</i>			●			●	●	●				●			●					●	●	●	●
<i>An. evandroi</i>			●					●				●			●				●	●	●	●	●
<i>An. evansae</i>	●		●			●	●	●	●			●			●				●	●	●	●	●
<i>An. fluminensis</i>						●		●				●			●								
<i>An. intermedius</i>							●					●											
<i>An. laneanus</i>												●											
<i>An. lutzii</i>												●											
<i>An. maculipes</i>	●		●			●						●											
<i>An. medio-</i> <i>punctatus</i>						●						●								●	●	●	●
<i>An. minor</i>	●						●																
<i>An. neomaculi-</i> <i>palpus</i>			●			●		●												●	●	●	●
<i>An. nigratarsis</i>												●											
<i>An. oswaldoi</i>								●				●			●								●
<i>An. parvus</i>												●											
<i>An. pictipennis</i>															●								
<i>An. pseudo-</i> <i>punctipennis</i>		●			●			●	●	●					●	●	●		●	●	●	●	●
<i>An. punctimacula</i>	●		●									●			●				●	●	●	●	●
<i>An. rondoni</i>			●			●	●	●	●			●			●				●	●	●	●	●
<i>An. strodei</i>	●		●			●	●	●	●			●			●								●
<i>An. tibia-</i> <i>maculatus</i>												●											
<i>An. triannulatus</i>	●		●			●	●	●	●			●			●				●	●	●	●	●
<i>Ch. fajardi</i>			●			●	●	●	●			●											

\*No mosquito species has been reported from the Province of La Pampa, so it is not included. The abbreviations follow Reinert (1975, Mosq. Syst. 7: 105).



TABLE 1. (continued)

Species	Buenos Aires	Catamarca	Chaco	Chubut	Cordoba	Corrientes	Entre Rios	Formosa	Jujuy	La Rioja	Mendoza	Misiones	Neuquen	Rio Negro	Salta	San Juan	San Luis	Santa Cruz	Santa Fe	Santiago del Estero	Tierra del Fuego	Tucuman
<i>Cx. riojanus</i>										●												
<i>Cx. rooti</i>												●										
<i>Cx. saltanensis</i>			●					●							●							●
<i>Cx. serratumarge</i>												●										
<i>Cx. soperi</i>												●										
<i>Cx. spinosus</i>	●													●					●			
<i>Cx. taeniopus</i>						●						●										
<i>Cx. tatai</i>															●							
<i>Cx. theobaldi</i>						●																
<i>Cx. tromazayquesi</i>					●					●	●			●		●						
<i>Cx. usquatus</i>								●	●						●							
<i>Hq. capricornii</i>						●						●			●							
<i>Hq. janthinomys</i>		●							●						●							●
<i>Hq. leucoceleaenus</i>			●			●		●	●			●			●							●
<i>Hq. spegazzini</i>		●			●	●		●	●						●			●	●			●
<i>Li. durhamii</i>			●					●	●													
<i>Ma. flaveola</i>	●	●				●													●			
<i>Ma. humeralis</i>	●	●				●	●	●	●			●			●				●			
<i>Ma. indubitans</i>	●	●			●	●	●	●	●						●				●			
<i>Ma. pseudo-</i> <i>titillans</i>	●	●				●	●	●	●			●			●				●			
<i>Ma. titillans</i>	●	●			●	●	●	●	●						●				●	●		●
<i>Or. sampaioi</i>												●										
<i>Ph. diabolica</i>												●										
<i>Ph. flabellata</i>												●										
<i>Ph. muehlensi</i>			●			●		●											●			
<i>Ph. pilicauda</i>												●										
<i>Ph. quasilongi-</i> <i>rostris</i>												●										
<i>Ph. tripartita</i>			●			●																
<i>Ps. albigena</i>	●							●				●								●		
<i>Ps. albipes</i>	●	●				●		●	●			●			●				●			●
<i>Ps. ciliata</i>	●	●			●	●	●	●	●			●			●				●	●		●
<i>Ps. ciliipes</i>												●										
<i>Ps. cingulata</i>	●	●				●	●					●										
<i>Ps. confirmis</i>	●	●			●	●	●	●				●			●				●	●		●
<i>Ps. cyanescens</i>	●	●			●	●	●	●				●			●				●	●		●
<i>Ps. dimidiata</i>			●		●	●	●	●		●					●				●			
<i>Ps. discrucians</i>	●	●			●	●	●	●	●			●			●				●			●
<i>Ps. ferox</i>	●	●			●	●	●	●	●			●			●				●			●
<i>Ps. holmbergi</i>	●	●			●	●	●	●	●			●			●				●			●
<i>Ps. lutzii</i>												●										
<i>Ps. ochripes</i>	●											●										
<i>Ps. pallescens</i>	●		●		●	●	●	●							●				●	●		
<i>Ps. paulli</i>			●			●		●	●						●				●	●		
<i>Ps. saeva</i>			●					●	●			●			●							
<i>Ps. varinervis</i>	●	●				●	●	●	●			●			●				●	●		●
<i>Ps. varipes</i>	●	●			●	●	●	●	●			●			●				●	●		
<i>Ru. espini</i>												●										
<i>Ru. frontosa</i>												●										
<i>Ru. paranensis</i>	●					●						●										
<i>Ru. reversa</i>												●										
<i>Sa. albiprivus</i>						●			●						●							
<i>Sa. aurescens</i>												●										
<i>Sa. belisarioi</i>												●										
<i>Sa. chloropterus</i>												●										
<i>Sa. cyaneus</i>												●										
<i>Sa. identicus</i>												●			●							





## GEOGRAPHIC DISTRIBUTION

*Aedeomyia (Aedeomyia) squamipennis*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951a; Garcia & Casal 1965; Knight & Stone 1977; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965 (1967); CORRIENTES: Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951a; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951a. JUJUY: Castro et al. 1959 (1960); Duret 1951a. MISIONES: Castro et al. 1959 (1960); Duret 1951a. SALTA: Castro et al. 1959 (1960); Duret 1951a. SANTA FE: Castro et al. 1959 (1960); Duret 1951a; Mitchell et al. 1985b; Mitchell et al. 1985b. TUCUMAN: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951a.

Note: The type locality is Buenos Aires (Knight and Stone 1977).

*Aedes (Howardina) aurivittatus*

Distribution: SALTA: La Caldera, XI-24 and XII-10-47, 11F, Duret; Duret 1951a; same collection noted by Castro et al. 1959 (1960) and Martinez & Prosen 1953c, 1955. PROVINCE NOT SPECIFIED: Del Ponte et al. 1951.

Note: This species was not listed from Argentina by Knight & Stone (1977) and may not occur there. The record from La Caldera is probably erroneous and based on the closely related *Ae. martinezi* which has been taken from the same locality (Berlin 1969).

*Aedes (Howardina) martinezi*

Distribution: SALTA: La Caldera, III-27-66, 31F, Martinez; Berlin 1969, Knight & Stone, 1977.

Note: The type locality is La Caldera, Salta Province. See note under *Ae. aurivittatus*.

*Aedes (Howardina) pseudodominicii*

Distribution: SALTA: Campamento San Pedro, 2M, 18F, Martinez & Prosen; Martinez & Prosen 1955 (as *Ae. delpontei* Martinez & Prosen); same collection noted by Berlin 1969. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Berlin (1969) synonymized *Ae. delpontei* with this species.

*Aedes (Howardina) vanemdeni*

Distribution: SALTA: San Pedrito, 1F, Martinez & Prosen; Martinez & Prosen 1953c; same collection noted by Castro et al. 1959 (1960).

Note: According to Berlin (1969) and Knight & Stone (1977), this species was known only from the type series collected in Yungas de Coroico, Bolivia; therefore, the Argentine record is questionable. Subsequently, Peyton et al. (1983) collected this species in southeast Bolivia during 1982.

*Aedes (Ochlerotatus) albifasciatus*

Distribution: BUENOS AIRES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Garcia & Casal 1965; Prosen et al. 1960. CATAMARCA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORDOBA: Bachmann & Casal 1962d (1963) Bianchini et al. 1965 (1967), 1968; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. JUJUY: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970. LA RIOJA: Castro et al. 1959 (1960); Duret 1951b. MENDOZA: Castro et al. 1959 (1960); Duret 1951b. MISIONES: Castro et al. 1959 (1960); Duret 1951b. NEUQUEN: Bachmann & Bejarano 1960. RIO NEGRO: Bachmann & Bejarano 1960; Castro et al. 1959 (1960); Duret 1951b, Mitchell et al. 1985a. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA CRUZ: Bachmann & Bejarano 1960. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Mitchell et al. 1985a; Mitchell et al. 1985b; Ronderos & Garcia 1962a (1963a). SANTIAGO DEL ESTERO; Bachmann & Casal 1962d (1963); Castro et al. 1959 (1960); Duret 1951b. TIERRA DEL FUEGO: Bachmann & Bejarano 1960; Forattini et al. 1970. TUCUMAN: Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: This is the most widely distributed species in Argentina.

*Aedes (Ochlerotatus) crinifer*

Distribution: BUENOS AIRES: Arnell 1976; Balseiro 1981; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Garcia & Casal 1965; Garcia & Ronderos 1962 (1963); Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Arnell 1976; Duret 1951b; Duret 1952; Garcia & Ronderos 1962 (1963); Hack et al. 1978. ENTRE RIOS: Arnell 1976; Castro et al. 1959 (1960); Duret 1951b; Garcia & Ronderos 1962 (1963). MISIONES: Arnell 1976; Barrera Oro et al. 1966; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Garcia & Ronderos 1962 (1963); Knight & Stone 1977. SALTA: Castro et al. 1959 (1960); Duret 1951b. TUCUMAN: Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight 1978; Knight & Stone 1977.

Note: Three synonyms of this species have their type localities in Argentina, i.e., *Ae. lynchii* Brethes 1910, described from Islas del Parana, Buenos Aires Province; *Ae. tapinops* Brethes 1917, described from San Isidro, Buenos Aires Province; and *Ae. iguazu* Shannon & Del Ponte 1928, described from Misiones Province. Arnell (1976) stated that *Ae. crinifer* is apparently restricted to the Parana River system.

*Aedes (Ochlerotatus) fluviatilis*

Distribution: CORRIENTES: Bejarano 1979. MISIONES: Bejarano 1979; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951a; Zavortink 1972. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) fulvus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951b. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. MISIONES: Castro et al. 1959 (1960); Duret 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) hastatus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. MISIONES: Barrera Oro et al. 1966; Duret 1951b; Duret 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) meprai*

Distribution: CATAMARCA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Garcia 1962a (1963a), 1962b (1963b) *Ae. angustivittatus*). SALTA: Arnell 1976; Belkin et al. 1968; Castro et al. 1959 (1960); Knight & Stone 1977; Martinez & Prosen 1953b; Ronderos & Garcia 1962b (1963b). PROVINCE NOT SPECIFIED: Knight 1978.

Note: The type locality is Reserva Nacional "Finca El Rey", Departamento de Anta, Salta Province. This species was placed in synonymy under *Ae. angustivittatus* by Ronderos & Garcia (1962 (1963)) and resurrected as a valid species by Arnell (1976). The older records for *Ae. angustivittatus* in Argentina refer to this species.

*Aedes (Ochlerotatus) milleri*

Distribution: CORDOBA: Bianchini et al. 1965 (1967); Castro et al. 1959 (1960); Duret 1951b; Knight & Stone 1977. JUJUY: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Knight & Stone 1977. SALTA: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Knight & Stone 1977. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) nubilus*

Distribution: MISIONES: Duret 1950a, 1951a.

Note: This species has been listed as a synonym under *Ae. serratus* (Komp 1949; Del Ponte et al. 1951; Lane 1953) but Belkin et al. (1970) revalidated it based primarily on the morphology of the male genitalia. It was not reported from Argentina by Knight & Stone (1977).

*Aedes (Ochlerotatus) oligopistus*

Distribution: SALTA: Departamento General San Martin, Salvador Mazza (Pocitos), Departamento de Anta, Reserva Nacional "Finca El Rey"; Martinez & Prosen 1953c; same collections noted by Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) patersoni*

Distribution: JUJUY: Arnell 1976; Belkin et al. 1968; Castro et al. 1959 (1960); Del Ponte et al. 1951; Duret 1951b; Garcia & Ronderos 1962 (1963); Knight & Stone 1977; Ronderos & Garcia 1962a (1963a). SALTA: Arnell 1976; Casal & Garcia 1971; Garcia & Ronderos 1962 (1963).

Note: The type locality is San Pedro, Jujuy Province (Knight & Stone 1977).

*Aedes (Ochlerotatus) pennai*

Distribution: MISIONES: Iguazu Cue near Puerto Iguazu, XI-27 to XII-5-51, 30F, Duret; Duret 1953b; same locality given by Castro et al. 1959 (1960).

Note: According to Knight & Stone (1977) this species is restricted to Bolivia and Brazil.

*Aedes (Ochlerotatus) raymondi*

Distribution: JUJUY: San Pedro, IV-27-26, adults ex larvae, Shannon and Shannon; Del Ponte et al. 1951; same locality noted by Duret 1951b, Arnell 1976, and Knight & Stone 1977.

Note: The type locality is that given above under distribution.

*Aedes (Ochlerotatus) scapularis*

Distribution: BUENOS AIRES: Arnell 1976; Belkin et al. 1968; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Casal 1965; Knight & Stone 1977. CHACO: Arnell 1976; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Ronderos 1962 (1963); Mitchell et

al. 1985b. CORDOBA: Bianchini et al. 1965 (1967), 1968; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Bejarano 1979; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952. FORMOSA: Arnell 1976; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Ronderos 1962 (1963). JUJUY: Arnell 1976; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. MENDOZA: Arnell 1976. MISIONES: Arnell 1976; Bejarano 1979; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Garcia & Casal 1968b. RIO NEGRO: Mitchell et al. 1985a. SALTA: Arnell 1976; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Ronderos 1962 (1963). SANTA FE: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Ronderos 1962 (1963); Mitchell et al. 1985a; Mitchell et al. 1985c. SANTIAGO DEL ESTERO: Carcavallo & Martinez 1968a. TUCUMAN: Arnell 1976; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight 1978.

Note: The occurrence of this species in Santiago del Estero Province is based on a distribution map shown by Carcavallo & Martinez (1968a p. 120). No specific locality is given.

*Aedes (Ochlerotatus) serratus*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Prosen et al. 1960. CHACO: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORRIENTES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Carcavallo & Martinez 1968a. FORMOSA: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. JUJUY: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. MISIONES: Barrera Oro et al. 1966; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Martinez & Prosen 1951. RIO NEGRO: Mitchell et al. 1985a. SALTA: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. SANTIAGO DEL ESTERO: Carcavallo & Martinez 1968a. TUCUMAN: Carcavallo & Martinez 1968a; Martinez et al. 1959. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: The records of this species from Entre Rios and Santiago del Estero Provinces are shown only by maps and specific localities are not given (Carcavallo & Martinez 1968a, p. 121).

*Aedes (Ochlerotatus) stigmaticus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951b; Martinez et al. 1959; Mitchell et al. 1985c. CORDOBA: Bianchini et al. 1965 (1967); Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). CORRIENTES: Hack et

al. 1978. FORMOSA: Castro et al. 1959 (1960); Duret 1951b; Martinez et al. 1959. SALTA: Castro et al. 1959 (1960); Duret 1951b; Martinez et al. 1959. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Aedes (Ochlerotatus) synchytus*

Distribution: MISIONES: Cataratas del Iguazu, XI-27-27, 42F, 1M, Shannon & Shannon; Arnell 1976; Knight 1978.

Note: The type locality is Cataratas del Iguazu, Misiones Province, Argentina (Arnell 1976).

*Aedes (Protomacleaya) alboapicus*

Distribution: CHACO: Saenz Pena (road to Tres Isletas), IV-6-63, 1F, Castro; Schick 1970b.

Note: This adult female is called the "Chaco form" of the *Ae. alboapicus* subgroup. Its final placement within the subgenus awaits discovery of the immature stages. This species was recorded only from Panama by Knight & Stone (1977).

*Aedes (Protomacleaya) casali*

Distribution: SALTA: Tablillas, General Enrique Mosconi, II-27-67, 1F, 3M, 8L; VI-6-69, 3F, Casal and Garcia; Schick 1970b, Knight & Stone 1977. TUCUMAN: Churqui, XII-4-22, 18F, 9M, 4P, 2L; Schick 1970b. PROVINCE NOT SPECIFIED: Berlin & Belkin 1980.

Note: The type locality is that given above under Salta Province.

*Aedes (Protomacleaya) terreus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951a. JUJUY: Castro et al. 1959 (1960); Duret 1951a. MISIONES: Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Martinez & Prosen 1951; Schick 1970a. SALTA: Alvarado et al. 1959 (1960); Castro et al. 1959 (1960); Duret 1951a; Schick 1970b. TUCUMAN: Castro et al. 1959 (1960); Duret 1951a; Schick 1970a; Schick 1970b. PROVINCE NOT SPECIFIED: Berlin & Belkin 1980; Knight & Stone 1977.

Note: Schick (1970b) pointed out that the *terreus* group is poorly known, especially in northern Argentina. He has several small collections from there which apparently represent undescribed species.

*Aedes (Stegomyia) aegypti*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. CATAMARCA: Carcavallo & Martinez 1968a; Del Ponte 1958. CHACO: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. CORDOBA: Bianchini et al. 1965 (1967); Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. CORRIENTES: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. ENTRE RIOS: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. FORMOSA: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. JUJUY: Del Ponte 1958; Duret 1951a. MENDOZA: Carcavallo & Martinez 1968a. MISIONES: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. SALTA: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. SANTA FE: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. SANTIAGO DEL ESTERO: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. TUCUMAN: Carcavallo & Martinez 1968a; Del Ponte 1958; Duret 1951a. PROVINCE NOT SPECIFIED: Castro et al. 1959 (1960).

Note: The above citations refer to the known distribution of this species prior to initiation of the eradication campaign in 1955 (Carcavallo & Martinez 1968a). Presently, *Ae. aegypti* is not known to occur in Argentina.

*Anopheles (Anopheles) annulipalpis*

Distribution: BUENOS AIRES: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Casal 1964 (1965); Garcia & Casal 1965; Garcia & Ronderos 1962; Knight & Stone 1977; Prosen et al. 1960. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. ENTRE RIOS: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962. MENDOZA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Del Ponte 1958; Duret 1950c; Forattini et al. 1970; Garcia & Ronderos 1962. SANTA FE: Carcavallo & Martinez 1968b.

Note: The type locality is Baradero, Buenos Aires (Belkin et al. 1968; Knight & Stone 1977).

*Anopheles (Anopheles) apicimacula*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968b. MISIONES: Carcavallo & Martinez 1968b. SALTA: Carcavallo & Martinez 1968b. SANTA FE: Garcia & Ronderos 1962.

Note: This species was not recorded from Argentina by Knight & Stone (1977).

*Anopheles (Anopheles) evandroi*

Distribution: CHACO: Martinez et al. 1959. FORMOSA: Martinez et al. 1959. SALTA: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962; Martinez et al. 1959. SANTA FE: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962; Martinez et al. 1959. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Garcia & Ronderos (1962) and Carcavallo & Martinez (1968b) apparently misquoted Martinez et al. (1959) by listing Misiones, Salta and Santa Fe as the Provinces in which this species occurs, when actually the latter authors recorded Formosa, Chaco, Santa Fe and Salta Provinces.

*Anopheles (Anopheles) fluminensis*

Distribution: CORRIENTES: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. JUJUY: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962; Knight & Stone 1977. SALTA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Garcia & Ronderos 1962.

*Anopheles (Anopheles) intermedius*

Distribution: ENTRE RIOS: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962.

Note: Garcia & Ronderos (1962) and Carcavallo & Martinez (1968b) do not indicate where and when the collections were made in Entre Rios Province. Knight & Stone (1977) recorded *An. intermedius* as far south as Brazil but not in Argentina. Peyton et al. (1983) recorded it from Bolivia.

*Anopheles (Anopheles) maculipes*

Distribution: BUENOS AIRES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962; Prosen et al. 1960. CHACO: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Anopheles) mediopunctatus*

Distribution: CORRIENTES: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.



*Anopheles (Anopheles) minor*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962; Martinez et al. 1959; Prosen et al. 1960. ENTRE RIOS: Carcavallo & Martinez 1968b; Martinez et al. 1959. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Anopheles) neomaculipalpus*

Distribution: CHACO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORRIENTES: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Garcia & Ronderos 1962; Martinez 1950b. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Anopheles) pseudopunctipennis*

Distribution: CATAMARCA: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORDOBA: Bejarano 1957; Bejarano 1959 (1960); Bianchini 1965 (1967); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1972 (1973); Del Ponte 1958. JUJUY: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Forattini et al. 1970; Garcia & Ronderos 1962; Knight & Stone 1977. LA RIOJA: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SALTA: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962; Knight & Stone 1977. SAN JUAN: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SAN LUIS: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1972 (1973); Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962; Knight & Stone 1977. TUCUMAN: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Forattini et al. 1970; Garcia & Ronderos 1962; Knight & Stone 1977. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Two synonyms of this species have their type localities in Argentina: *An. argentinus* Brethes 1912 - described from a series collected in Tucuman, Salta, Jujuy and Santiago del Estero Provinces; *An. tucumanus* Lahille 1912 - from Rio Sali, Tucuman Province. A valid subspecies, *patersoni* Alvarado & Heredia 1947, was originally collected in Tucuman Province. Its holotype is the egg stage, perceived to be different from the egg of the type subspecies.

*Anopheles (Anopheles) punctimacula*

Distribution: BUENOS AIRES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962; Prosen et al. 1960. CHACO: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SALTA: Garcia & Ronderos 1962. SANTA FE: Mitchell et al. 1985b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Anopheles) tibiamaculatus*

Distribution: MISIONES: Puerto Iguazu-Bernardo de Irigoyen, 20 km W. of Cataratas, VI-25-64, 11F, Garcia and Casal; Garcia & Casal 1966; Carcavallo & Martinez 1968b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Kerteszia) bambusicolus*

Distribution: MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962; Zavortink 1973. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Kerteszia) cruzii*

Distribution: MISIONES: Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Garcia & Ronderos 1962; Martinez & Prosen 1953c; Zavortink 1973. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Kerteszia) laneanus*

Distribution: MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Duret 1951c; Duret 1952; Zavortink 1973. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) albitarsis*

Distribution: BUENOS AIRES: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Casal 1964 (1965); Garcia & Casal 1965; Garcia & Ronderos 1962; Knight & Stone 1977; Prosen et al. 1960; Umana et al. 1959. CATAMARCA: Carcavallo & Martinez 1968b. CHACO: Bejarano 1957; Bejarano 1959

(1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962; Mitchell et al. 1985b. CORDOBA: Bejarano 1957; Bejarano 1959 (1960); Bianchini et al. 1965 (1967); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Garcia & Ronderos 1962; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. JUJUY: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. LA RIOJA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Del Ponte 1958; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962. SALTA: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Garcia & Ronderos 1962; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. TUCUMAN: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. PROVINCE NOT SPECIFIED: Faran & Linthicum 1981; Knight & Stone 1977.

Note: The type locality of this species is Baradero, Buenos Aires (Knight & Stone 1977). *Anopheles albitarsis* formerly was believed to be distributed from Guatemala, Central America, south to Argentina, but Faran & Linthicum (1981) have recognized another species, *An. allopha* (Peryassu 1921), for all of this range, except southern Brazil, southern Paraguay, Uruguay and Argentina to which *albitarsis* is now restricted.

*Anopheles (Nyssorhynchus) antunesi*

Distribution: MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) argyritarsis*

Distribution: BUENOS AIRES: Bejarano 1957; Bejarano 1959 (1960); Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1950c; Garcia & Ronderos 1962; Prosen et al. 1960. CATAMARCA: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962a. CHACO: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORDOBA: Del Ponte 1958. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Castro & Garcia 1959 (1960); Castro et al. 1959 (1960);

Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. JUJUY: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. LA RIOJA: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SALTA: Bachmann & Casal 1962c (1963); Bejarano 1957; Bejarano 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SAN LUIS: Del Ponte 1958. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. SANTIAGO DEL ESTERO: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. TUCUMAN: Bejarano 1956a; Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Forattini et al. 1970; Garcia & Ronderos 1962; Knight & Stone 1977. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) darlingi*

Distribution: CHACO: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1960; Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORRIENTES: Bejarano 1972 (1973); Carcavallo & Martinez 1968b. ENTRE RIOS: Bejarano 1959 (1960). FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1960; Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1952; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1960; Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962. SALTA: Bejarano 1957; Bejarano 1959 (1960); Bejarano 1960; Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1952; Garcia & Ronderos 1962. SANTIAGO DEL ESTERO: Bejarano 1960; Bejarano 1972 (1973); Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Faran & Linthicum 1981; Knight & Stone 1977.

*Anopheles (Nyssorhynchus) evansae*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. CHACO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. ENTRE RIOS: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. JUJUY: Carcavallo & Martinez 1968b; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Faran 1980; Faran & Linthicum 1981; Garcia &

Ronderos 1962. SALTA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962; Martinez et al. 1959; Schick 1970a. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962; Mitchell et al. 1985b. TUCUMAN: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962; Knight & Stone 1977. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: The type locality of this species is Tucuman and the type locality for one of its synonyms, *An. clarki* Komp 1943, is Monteros, Tucuman (Knight & Stone 1977; Faran 1981). *Anopheles noroestensis* Galvao & Lane 1937 is considered to be a synonym of *An. evansae* by Faran (loc. cit.) so that all previous literature alluding to it is referable to *evansae*. Peyton et al. (1983) called attention to the correct gender for the name of this species. Various authors have incorrectly referred to it as *evansi*, e.g., Faran (1981).

*Anopheles (Nyssorhynchus) lutzii*

Distribution: MISIONES: Bejarano 1953; Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Garcia & Ronderos 1962; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) nigratarsis*

Distribution: MISIONES: Eldorado, X-1-48, 1F, Bejarano and Duret; Bejarano & Duret 1949b; same collection noted by Bejarano 1953, 1957, 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Duret (1950c) suggested that the specimen of *An. nigratarsis* could be an anomalous *An. lutzii* with atypical markings on the hindtarsi.

*Anopheles (Nyssorhynchus) oswaldoi*

Distribution: FORMOSA: Bejarano 1957; Carcavallo & Martinez 1968b; Del Ponte 1958; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SALTA: Carcavallo & Martinez 1968b; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. TUCUMAN: Carcavallo & Martinez 1968b; Faran 1980; Faran & Linthicum 1981; Forattini et al. 1970; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) parvus*

Distribution: MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) pictipennis*

Distribution: FORMOSA: Garcia & Ronderos 1962. SALTA: Bejarano 1959 (1960). PROVINCE NOT SPECIFIED: Faran & Linthicum 1981; Knight & Stone 1977.

Note: Apparently, all records for this species from Argentina are based on the single collection made by Martini (1931a). Martini indicated only that his collection came from "northern Argentina:." Other authors, noted above, interpreted this as Formosa or Salta Provinces. Duret (1950c) doubted that the species occurs in Argentina.

*Anopheles (Nyssorhynchus) rondoni*

Distribution: CHACO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. ENTRE RIOS: Bejarano 1957. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. JUJUY: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Forattini et al. 1970. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SALTA: Bejarano 1957; Carcavallo & Martínez 1968b; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SANTA FE: Carcavallo & Martínez 1968b; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. TUCUMAN: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martínez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Anopheles (Nyssorhynchus) strodei*

Distribution: BUENOS AIRES: Faran 1980. CHACO: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Duret 1950c; Duret 1952. ENTRE RIOS: Bejarano 1957. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. JUJUY: Bejarano 1957. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Martínez & Prosen 1951. SALTA: Bejarano 1957. TUCUMAN: Bejarano 1957; Bejarano 1959 (1960); Castro et al. 1959 (1960); Duret 1950c; Faran 1980. PROVINCE NOT SPECIFIED: Faran & Linthicum 1981.

Note: This species was placed in synonymy with *An. evansae* by Brethes (1926c) and resurrected as a valid species by Faran (1980). Older literature which dealt with *evansae* could have been referring to either species.

*Anopheles (Nyssorhynchus) triannulatus*

Distribution: BUENOS AIRES: Prosen et al. 1960. CHACO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962; Mitchell et al. 1985b. CORRIENTES: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Duret 1952; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. JUJUY: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SALTA: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SANTA FE: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. SANTIAGO DEL ESTERO: Bejarano 1959 (1960); Castro et al. 1959 (1960); Duret 1950c. TUCUMAN: Bejarano 1957; Bejarano 1959 (1960); Belkin et al. 1968; Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Duret 1950c; Faran 1980; Faran & Linthicum 1981; Garcia & Ronderos 1962. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: There have been 4 subspecies described under this species, *bachmanni* Petrocchi, *chagasi* Galvao, *davisi* Paterson and Shannon and *perezi* Shannon and Del Ponte. All have been synonymized with the type species which was discussed by Faran (1980). The type localities for 3 of them are in Argentina as follows: *bachmanni* - described from a series collected in Corrientes, Entre Rios and Formosa Provinces; *davisi* - Tres Pozos, Embarcacion, Salta Province; *perezi* - Santa Barbara, Tucuman Province.

*Chagasia fajardi*

Distribution: CHACO: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. CORRIENTES: Carcavallo & Martinez 1968b. FORMOSA: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962. MISIONES: Bejarano 1957; Bejarano 1959 (1960); Carcavallo & Martinez 1968b; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1950c; Garcia & Ronderos 1962; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Coquillettidia (Rhynchoaenia) albicosta*

Distribution: FORMOSA: Puerto Pilcomayo; Carcavallo & Martinez 1968a.

Note: Not listed from Argentina by Knight & Stone (1977).

*Coquillettidia (Rhynchoaenia) albifera*

Distribution: BUENOS AIRES: Parana de Las Palmas, XII-63 to III-64, many F, M, Garcia and Casal; Garcia & Casal 1965; Castro & Bressanello 1952b.

Note: Castro & Bressanello (1952b) were unable to determine whether specimens collected in Argentina were *Cq. albifera* or *Cq. chrysonotum*. Indeed, Lane (1953) stated, "There are no precise characters to separate the females [of *albifera*] from *chrysonotum*." Knight & Stone (1977) reported this species only from Brazil.

*Coquillettidia (Rhynchoaenia) chrysonotum*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Castro & Bressanello 1952b; Castro et al. 1959 (1960); Prosen et al. 1960. CHACO: Mitchell et al. 1985b. CORRIENTES: Mitchell et al. 1985b. ENTRE RIOS: Carcavallo & Martinez 1968a; Castro & Bressanello 1952b; Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: See note under *Cq. albifera*.

*Coquillettidia (Rhynchoaenia) fasciolata*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a; Garcia & Casal 1965; Knight & Stone 1977; Prosen et al. 1960. CHACO: Duret 1951a. FORMOSA: Duret 1951a. JUJUY: Duret 1951a. SANTA FE: Duret 1951a. TUCUMAN: Duret 1951a.

Note: The type locality for this species is Navarro, Buenos Aires Province. Since the holotype was lost, Castro & Bressanello (1952b) designated as neotype an adult female collected in Parque Lezama, Buenos Aires Province, XII-13-28.

*Coquillettidia (Rhynchoaenia) hermanoi*

Distribution: CHACO: Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a. CORRIENTES: Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Hack et al. 1978. PROVINCE NOT SPECIFIED: Knight & Stone 1977.



*Coquillettidia (Rhynchoetaenia) neivai*

Distribution: CHACO: Las Palmas, Zona Ingenio, XI-20-49, Bejarano & Duret; Castro & Bressanello 1952b; Duret 1950a, 1951a. SANTA FE: Reconquista, XI-41; Villa Guillermina, I-42, Del Ponte; Castro & Bressanello 1952b; Duret 1950a, 1951a.

Note: This species was placed in synonymy under *Cq. nigricans* by Lane (1951) and resurrected as a valid species by Belkin et al. (1970). Undoubtedly, some of the records for *nigricans* cited by Castro et al. (1959 (1960)) are referable to this species. Knight & Stone (1977) listed this species only from Brazil.

*Coquillettidia (Rhynchoetaenia) nigricans*

Distribution: CHACO: Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a. CORRIENTES: Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a. FORMOSA: Duret 1951a. MISIONES: Castro et al. 1959 (1960); Duret 1952. SALTA: Duret 1951a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Knight & Stone (1977) questioned the occurrence of this species in Argentina or indeed in southern South America at all. Belkin et al. (1970) pointed out the ease with which the females of *Cq. nigricans* can be confused with those of *Cq. venezuelensis* and suggested that *nigricans* is confined to northern South America while *venezuelensis* is the widespread species on the continent.

*Coquillettidia (Rhynchoetaenia) shannoni*

Distribution: CHACO: Castro & Bressanello 1952b. CORRIENTES: Castro & Bressanello 1952b; Castro et al. 1959 (1960). ENTRE RIOS: Castro & Bressanello 1952b; Castro et al. 1959 (1960). FORMOSA: Castro & Bressanello 1952b; Castro et al. 1959 (1960). SALTA: Castro & Bressanello 1952b; Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Coquillettidia (Rhynchoetaenia) venezuelensis*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Duret 1951a. CHACO: Carcavallo & Martinez 1968a; Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a; Mitchell et al. 1985b. CORRIENTES: Carcavallo & Martinez 1968a; Mitchell et al. 1985b. ENTRE RIOS: Carcavallo & Martinez 1968a. FORMOSA: Carcavallo & Martinez 1968a; Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a. JUJUY: Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a. SANTA FE: Carcavallo & Martinez 1968a; Castro & Bressanello 1952b; Castro et al. 1959 (1960); Duret 1951a; Mitchell et al. 1985b. TUCUMAN: Castro & Bressanello 1952b; Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: A synonym, *Cq. araozi* Shannon & Del Ponte 1928, was described from specimens collected in Ledesma, Jujuy, III-20-26 by Davis and Shannon (Dyar 1928; Castro & Bressanello 1952b; Belkin et al. 1968; Knight & Stone 1977).

*Culex (Aedinus) amazonensis*

Distribution: CHACO: Resistencia, IV-5-80, 1F, Mitchell; Mitchell et al. 1985b. CORRIENTES: Colonia Pellegrini, III-51, 1M(?), Duret; Duret 1953b, same collection cited by Castro et al. 1959 (1960); Rincon de Vences about 5 km SE of San Luis del Palmar, IV-5-80, 8F, Mitchell; 2 km SE of Estero de las Maloyas, IV-6-80, 3F, Mitchell; Mitchell et al. 1985b.

Note: This species was not reported from Argentina by Knight & Stone (1977).

*Culex (Allimanta) tramazayguesi*

Distribution: CORDOBA: Banos de Unquillo, Dept. Cruz del Eje, IX-7-63 L, P, Cichero; Bianchini et al. 1965 (1967); LA RIOJA: Vinchina, XI-25-53, 1M, Duret; Duret 1954a. MENDOZA: Monte Coman, XII-16-53. 8M, 12F, Bejarano and Duret; Duret 1954a; Bram 1967; Belkin et al. 1968; Knight & Stone 1977. RIO NEGRO: 45 Km NE of General Roca, X-6-64, Bachmann; Casal & Garcia 1968. SAN JUAN: Niquivil, XI-27-53, 1M, Duret; no locality, Nunez; Bachmann & Casal 1962d (1963).

Note: The type locality of this species is Monte Caman, Mendoza (Duret 1954a). The species was originally placed in the subgenus *Culex* but Casal & Garcia (1968b) erected a new subgenus, *Allimanta*, for it.

*Culex (Anoediopora) chaguanco*

Distribution: MISIONES: San Pedro, Rte. 14, Km 327, II-13-66, 11pF, 2L, Casal & Garcia; Berlin 1980. SALTA: Tablillas, Dept. of San Martin, II-25-68, 4M, 41L, Casal & Garcia; Casal, Garcia & Fernandez 1968; Knight & Stone 1977; Berlin & Belkin 1980.

Note: The type locality for this species is Tablillas, Dept. of San Martin, Salta.

*Culex (Carrollia) soperi*

Distribution: MISIONES: San Pedro, III-9-66, 1P, 2L, Casal & Garcia; Casal & Garcia 1967 (1968); Valencia 1973. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Culex) acharistus*

Distribution: CORDOBA: Bachmann & Casal 1962e (1963); Bianchini et al. 1965 (1967); Bram 1967. JUJUY: Bachmann & Casal 1962e (1963); Bram 1967. NEUQUEN: Bachmann & Casal 1962e (1963) Bianchini et al. 1965 (1967); Bram 1967. RIO NEGRO: Bachmann & Casal 1962e (1963); Bram 1967. TUCUMAN: Bram 1967. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Culex) ameliae*

Distribution: MISIONES: San Pedro-El Dorado road, 10 Km W of San Pedro, III-11-66, IM, Garcia & Casal; Casal 1967; Belkin et al. 1968; Knight & Stone 1977.

Note: The type locality, in Misiones Province, is given above.

*Culex (Culex) apicinus*

Distribution: CATAMARCA: Castro et al. 1959 (1960); Duret 1953b. CORDOBA: Bianchini 1965 (1967); Cordoba, X-84, 4M, Buffa. JUJUY: Castro et al. 1959 (1960); Duret 1953b; LA RIOJA: Castro et al. 1959 (1960); Duret 1953b; Martinez et al. 1961b. SANTA FE: La Celina, II-28-84, 3F, Mitchell; Mitchell et al. 1985a.

Note: According to Knight & Stone (1977), *Cx. apicinus* occurs only in Chile, Peru and Bolivia but actually it is locally common in parts of Argentina. It has been listed by its synonym, *Cx. debilis* Dyar & Knab by Martinez et al. (1961b) and Bianchini et al. 1965 (1967).

*Culex (Culex) articularis*

Distribution: NEUQUEN: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. RIO NEGRO: Bram 1967; Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Culex) bidens*

Distribution: BUENOS AIRES: Bachmann & Casal 1962a. CHACO: Bachmann & Casal 1962a; Castro et al. 1959 (1960); Duret 1953b. CORDOBA: Bianchini et al. 1965 (1967); CORRIENTES: Bachmann & Casal 1962a; Castro et al. 1959 (1960); Duret 1953b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1953b. FORMOSA: Bachmann & Casal 1962a; Duret 1953b. JUJUY: Duret 1951a. LA RIOJA: Bachmann & Casal 1962a. MISIONES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). SALTA: Bachmann & Casal 1962a; Castro et al. 1959 (1960); Duret 1953b. SANTA FE: Mitchell et al. 1985a. TUCUMAN: Bachmann & Casal 1962a; Castro et al. 1959 (1960); Duret 1951a. PROVINCE NOT SPECIFIED: Bram 1967; Knight & Stone 1977.

Note: Bachmann & Casal (1962a) and Castro et al. 1959 (1960) used the name *Cx. virgultus* Theobald for *bidens*. They followed Lane (1953) who synonymized *bidens* under *virgultus*. However, Bram (1967) not only resurrected *bidens*, based on the male genitalia being distinct from *virgultus*, but also synonymized *Cx. interfor* Dyar with *bidens*. The holotype male of *interfor* was collected on a train between Tucuman and Jujuy, (Belkin et al. 1968; Knight & Stone 1977). Stone (1956 (1957)) synonymized *Cx. virgultus* under *Cx. declarator* Dyar & Knab.

*Culex (Culex) brethesi*

Distribution: BUENOS AIRES: Bachmann & Casal 1962a; Belkin et al. 1968; Bram 1967; Castro et al. 1959 (1960); Duret 1951a; Duret 1953b; Knight & Stone 1977. CORDOBA: Bachmann & Casal 1962a; Bachmann & Casal 1962d (1963); Bianchini et al 1965 (1967), 1968; Bram 1967. MENDOZA: Bachmann & Casal 1962a; Bram 1967. MISSIONES: Bachmann & Casal 1962a; Bram 1967. SANTA FE: Bachmann & Casal 1962d (1963). SANTIAGO DEL ESTERO: Bachmann & Casal 1962a; Bachmann & Casal 1962d (1963) Bram 1967.

Note: The type locality is San Isidro, Buenos Aires.

*Culex (Culex) castroi*

Distribution: BUENOS AIRES: Canal 6 and Parana de las Palmas, Estacion Agropecuaria Delta del I.N.T.A., 30F, 37M, 1P, 163L, 26 lpAd, Garcia & Casal; Casal & Garcia 1967a; Belkin et al. 1968; Knight & Stone 1977; Los Talas (Partido de Berisso), II-25 to VI-29-82, various specimens, Balseiro; Balseiro 1983.

Note: The type locality is the first location listed above under distribution.

*Culex (Culex) chidesteri*

Distribution: BUENOS AIRES: Garcia & Casal 1965. CORDOBA: Bianchini et al. 1965 (1967). SALTA: Casal & Garcia 1971. TUCUMAN: Bram 1967. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Culex) coronator*

Distribution: BUENOS AIRES: Duret 1951a. CATAMARCA: Castro et al. 1959 (1960); Duret 1951a Duret 1953b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. FORMOSA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960. JUJUY: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. MISSIONES: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b SALTA: Castro et al. 1959 (1960); Duret 1953b. TUCUMAN: Castro et al. 1959 (1960); Duret 1951a. PROVINCE NOT SPECIFIED: Bram 1967; Knight & Stone 1977.

Note: *Culex coronator* is part of a species complex which includes: *Cx. coronator*, *Cx. usquatus*, *Cx. usquatissimus* Dyar, *Cx. ousqua* Dyar and *Cx. camposi* Dyar. The first two species occur in Argentina. (Bram 1967).

*Culex (Culex) cuyanus*

Distribution: LA RIOJA: Villa Union, XI-23-53, 1M, Bejarano & Duret; Duret 1968; MENDOZA: Uspallata, XII-5-53, 1M, Bejarano & Duret; Duret 1968. SAN JUAN: Jachal, XI-24 to 27-53, 7M, Bejarano & Duret; Duret 1968; Knight & Stone, 1977.

Note: The type locality is Jachal, San Juan (Duret 1968; Knight & Stone 1977).

*Culex (Culex) dolosus*

Distribution: BUENOS AIRES: Belkin et al. 1968; Casal & Garcia 1968a; Castro et al. 1959 (1960); Duret 1951a; Duret 1953b; Knight & Stone 1977; Prosen et al. 1960. CORDOBA: Bianchini et al. 1965 (1967). CORRIENTES: Castro et al. 1959 (1960); Duret 1953b. MISIONES: Castro et al. 1959 (1960); Duret 1953b. NEUQUEN: Bachmann & Bejarano 1960. TUCUMAN: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. PROVINCE NOT SPECIFIED: Bram 1967.

Note: The original description was based on specimens from Las Conchas, Zarate, Baradero, Navarro and Chacabuco, Buenos Aires Province (Belkin et al. 1968; Knight & Stone 1977).

*Culex (Culex) eduardoi*

Distribution: BUENOS AIRES: Canal 6 and Parana de las Palmas, Estacion Agropecuaria Delta del I.N.T.A., 45F, 37M, 126L, 82 1pAd, Garcia & Casal; Casal & Garcia 1968; Belkin et al 1968; Knight & Stone 1977; Berisso, IX-24-79 to V-5-80, various specimens, Balseiro; Balseiro 1981.

Note: The type locality is the first location listed above under distribution.

*Culex (Culex) fernandezi*

Distribution: SALTA: Quebrada de Piquirenda, XI-26-65, 46F, 38M, 38P, 148L, 23 1pAd, Fernandez, Hepper, Garcia & Casal; Casal et al. 1966; Belkin et al. 1968; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Culex) hepperi*

Distribution: BUENOS AIRES: Canal 6 and Parana de las Palmas, Estacion Agropecuaria Delta del I.N.T.A., IV-30-66, 65F, 59M, 15P, 130L, 62 1pAd, 55 pAd, Garcia & Casal; Casal & Garcia 1967c; Belkin et al. 1968; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Culex) inflictus*

Distribution: BUENOS AIRES: San Isidro, 2M; Prosen et al. 1960.

Note: Garcia & Casal (1965) reported that the identification of *Cx. inflictus* was in error. Its presence in Argentina is doubtful since its known distribution, as stated by Bram (1967) and Knight & Stone (1977) extends no farther south than Venezuela and Colombia.

*Culex (Culex) lahillei*

Distribution: CORDOBA: Achiras, III-38, 2M, 1F, 5P, Del Ponte; Bachmann & Casal 1962b; Belkin et al. 1968; Bianchini et al. 1965 (1967); Bram 1967; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Culex) maxi*

Distribution: BUENOS AIRES: Garcia & Casal 1965. CHACO: Castro et al. 1959 (1960); Duret 1953b. CORDOBA: Bachmann & Casal 1962e (1963); Bianchini et al. 1965 (1967). CORRIENTES: Castro et al. 1959 (1960); Duret 1953b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1953b. JUJUY: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951a; Knight & Stone 1977. SANTA FE: Castro et al. 1959 (1960); Duret 1953b. SANTIAGO DEL ESTERO: Bachmann & Casal 1962e (1963). TUCUMAN: Bram 1967; Castro et al. 1959 (1960); Duret 1951a.

Note: The type locality is San Pedro, Jujuy (Bram 1967; Belkin et al. 1968; Knight & Stone 1977).

*Culex (Culex) mollis*

Distribution: CORDOBA: Villa Allende; Bianchini et al. 1965 (1967). TUCUMAN: Monteros and Concepcion; Bram 1967.

Note: Not recorded from Argentina by Knight & Stone (1977).

*Culex (Culex) pipiens*

Distribution: BUENOS AIRES: Balseiro 1982; Duret 1951a; Mitchell et al. 1984. CHUBUT: Mitchell et al. 1984. CORDOBA: Bianchini et al. 1965 (1967). MENDOZA: Mitchell et al. 1984. NEUQUEN: Bachmann & Bejarano 1960. RIO NEGRO: Bachmann & Bejarano 1960; Mitchell et al. 1984. SAN JUAN: Mitchell et al. 1984. SAN LUIS: Mitchell et al. 1984. SANTA CRUZ: Bachmann & Bejarano 1960.

Note: The distribution of this species and the closely related *Cx. quinquefasciatus* in Argentina was discussed by Mitchell et al. (1984). They indicated that, although specific distribution limits in the zone of overlap are not well defined, generally *Cx. pipiens* occurs south of an east-west line between Buenos Aires and southern San Juan Provinces, whereas *Cx. quinquefasciatus* is found north of that line.

*Culex (Culex) quinquefasciatus*

Distribution: BUENOS AIRES: Duret 1951a; Duret 1953b; Garcia & Casal 1965; Prosen et al. 1960. CATAMARCA: Duret 1953b. CHACO: Duret 1951a; Duret 1953b; Mitchell et al. 1985b. CORDOBA: Belkin et al. 1968; Bianchini et al. 1965 (1967). CORRIENTES: Duret 1951a; Duret 1953b; Mitchell et al. 1985b; Torales et al. 1972. FORMOSA: Duret 1951a; Duret 1953b. JUJUY: Duret 1953b. LA RIOJA: Duret 1953b. MISIONES: Duret 1951a; Duret 1953b. SALTA: Duret 1951a; Duret 1953b. SANTA FE: Duret 1951a; Duret 1953b; Mitchell et al. 1980; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Duret 1953b. TUCUMAN: Duret 1951a; Duret 1953b. PROVINCE NOT SPECIFIED: Belkin et al. 1970.

Note: See note under *Cx. pipiens*.

*Culex (Culex) renatoi*

Distribution: BUENOS AIRES: Islas del Delta de Parana; Casal & Garcia 1967a. MISIONES: Entre Rios, Concepcion del Uruguay, XII-2-52, 1M, Bachmann & Casal; locality in Misiones unknown, 1M; Bachmann & Casal 1962a, same collections noted by Casal & Garcia 1967a.

Note: Not listed from Argentina by Knight & Stone (1977).

*Culex (Culex) riojanus*

Distribution: LA RIOJA: Chamental, XI-53, 1M, Duret; Tello, XI-53, 2M, Duret; Chelco, 1M, Duret; Duret 1968; Knight & Stone 1977.

Note: The type locality is Chamental, La Rioja Province.

*Culex (Culex) saltanensis*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1953b. FORMOSA: Castro et al. 1959 (1960); Duret 1953b. MISIONES: Castro & Garcia 1959 (1960). SALTA: Belkin et al. 1968; Bram 1967; Castro et al. 1959 (1960); Duret 1951a; Knight & Stone 1977. TUCUMAN: Bram 1967; Castro et al. 1959 (1960).

Note: The type locality is Camp Santa de Salta, Salta Province.

*Culex (Culex) spinosus*

Distribution: BUENOS AIRES: Canal 6 and Parana de las Palmas, Estacion Agropecuaria Delta del I.N.T.A., IV-30-66, various specimens, Garcia & Casal; Casal & Garcia 1967c. MISIONES: Posadas San Jose, VI-24-51, 1M; Bachmann & Casal 1962a. RIO NEGRO: Mitchell et al. 1985a. SANTA FE: Unpubl. records from CDC.

Note: Not listed from Argentina by Knight & Stone (1977).

*Culex (Culex) tatoi*

Distribution: SALTA: Laguna de Knutsen, 3 Km S of Campamento Vespucio, Dept. of San Martin, V-28-69, 9F, 11M, 2P, 48L, 11pAd, 14pAd, Garcia, Casal & Fernandez; Casal & Garcia 1971.

Note: The type locality is given above.

*Culex (Culex) usquatus*

Distribution: FORMOSA: Bram 1967. JUJUY: Bram 1967. SALTA: Bram 1967. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: The distribution of *Cx. usquatus* in Argentina was depicted on a map by Bram (1967, p. 47). No definitive study has been made to separate its distribution from that of *Cx. coronator*.

*Culex (Lutzia) bigoti*

Distribution: FORMOSA: Castro et al. 1959 (1960); Duret 1951a. JUJUY: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951a; Knight & Stone 1977. MISIONES: Castro et al. 1959 (1960); Duret 1951a; Duret 1952. SALTA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960).

*Culex (Melanoconion) albinensis*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b; Sirivanakarn & Jakob 1981. CORRIENTES: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.



*Culex (Melanoconion) aliciae*

Distribution: MISIONES: Cerro Azul, Arroya San Juan, V-2-49, 10M, Bejarano & Duret; Belkin et al. 1968; Duret 1953a, b; 1954b; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) bastagarius*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b; Sirivanakarn & Jakob 1981. CORRIENTES: Castro et al. 1959 (1960); Sirivanakarn & Jakob 1981. FORMOSA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Castro et al. 1959 (1960) reported *Cx. thomasi* Evans from Ramada Paso, Corrientes Province and Puerto Pilcomayo, Formosa Province. This species was synonymized under *Cx. bastagarius* by Sirivanakarn (1982).

*Culex (Melanoconion) bejaranoi*

Distribution: MISIONES: Bernardo de Irigoyen, III-18-51, 2M, Duret; San Pedro, III-5-51, 1M, Duret; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) clarki*

Distribution: CHACO: Resistencia, III-16-53, 1M, Castro, Hack & Roffe; Casal 1963; Sirivanakarn & Jakob 1981. FORMOSA: Ingeniero Juarez, III-5-60, 4M, Garcia & Bachmann; Casal 1963. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) delpontei*

Distribution: CHACO: Duret 1953a,b; Duret 1954b (as *Cx. paracribda*) (sic); Duret 1969; Knight & Stone 1977; Mitchell et al. 1985b; Sirivanakarn & Jakob 1981. CORRIENTES Mitchell et al. 1985b; Sirivanakarn & Jakob 1981. SANTA FE: Mitchell et al. 1985b; Sirivanakarn & Jakob 1981.

Note: The type locality of this species is Las Palmas, Chaco (Duret 1969; Knight & Stone 1977). Specimens of *delpontei* collected by Duret in Argentina prior to its recognition as a distinct species were identified as *Cx. paracribda* (Duret 1953a,b; 1954b).

*Culex (Melanoconion) dureti*

Distribution: MISIONES: San Ignacio, IV-26-67, 21pM, 2pM, Casal & Garcia; Casal & Garcia 1968d; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) educator*

Distribution: MISIONES: Cerro Azul, Arroyo San Juan, V-2-49, 4M, Duret; Concepcion de la Sierra, X-21-48, 1M, Duret; Castro et al. 1959 (1960); Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) elevator*

Distribution: TUCUMAN: Monte Bello, Aguilares, II-47, 1M, Del Ponte; Castro et al. 1959 (1960); Duret 1953a,b; Duret 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) glyptosalpinx*

Distribution: CHACO: Zapiran, XI-20-49, 1M, Duret; Ciervo Petizo, XII-2-49, 1M, Duret; Duret 1954b; Harbach et al. 1984. CORRIENTES: Ramada Paso, XII-16-48, 1M, Duret; Duret 1954b; Harbach et al. 1984.

*Culex (Melanoconion) idottus*

Distribution: CHACO: Zapiran XI-20-49, 2M, Duret; Castro et al. 1959 (1960); Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) intricatus*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951a; Duret 1953a; Duret 1953b; Knight & Stone 1977; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b. CORDOBA: Bianchini et al. 1965 (1967). CORRIENTES: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b. MISIONES: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b.

Note: The type locality of this species is San Isidro, 13Km. N of Buenos Aires, Buenos Aires Province (Belkin et al. 1968; Brethes 1916b; Castro et al. 1959 (1960); Duret 1953b; Knight & Stone 1977).

*Culex (Melanoconion) lucifugus*

Distribution: MISIONES: Cataratas del Iguazu, IV-30-67, 5M, Garcia & Casal; Garcia & Casal 1968b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) martinezi*

Distribution: SALTA: Vespucio-San Pedrito Road, Km. 34, X-6-66, 1pM, 1M, 2F, Garcia, Hepper & Fernandez; Belkin et al. 1968; Casal & Garcia 1968c; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) misionensis*

Distribution: MISIONES: Aristobulo del Valle, II-28-51, 1M, Duret; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1953a,b; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) ocoosa*

Distribution: CHACO: Resistencia, Rio Negro Bridge, IV-9-80, 7M, Mitchell; Rio Tragadero near Antequera, IV-8-80, 1M, Mitchell; Sirivanakarn & Jakob 1981; Mitchell et al. 1985b. CORRIENTES: 5 Km SE of San Luis del Palmar on Rte. 5, 1F, Mitchell, Mitchell et al. 1985b.

Note: Before 1970, *Cx. ocoosa* was considered a synonym of *Cx. aikenii* (Aiken & Rowland) (Stone et al. 1959), but Belkin (1970) revalidated it along with *Cx. panocossa* Dyar, a species not found in Argentina, and the name *aikenii* was relegated to nomen dubium. *Culex ocoosa* was not listed from Argentina by Knight & Stone (1977).

*Culex (Melanoconion) oedipus*

Distribution: BUENOS AIRES: Canal 6 and Parana de las Palmas, VI-5-63, 1pM, Garcia & Casal; Garcia & Casal 1964 (1965); 1965. CHACO: Ciervo Petizo, XII-2-49, 1M, Duret; Castro et al. 1959 (1960); Duret 1953a,b; 1954b. SANTA FE: San Justo, V-8-78, 1M, Mitchell; Sirivanakarn & Jakob 1981. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) orfilai*

Distribution: MISIONES: Iguazu, Villa Tacuara, XI-21-51, 5M, Duret; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1953a,b; 1954b; Knight & Stone 1977.

Note: The type locality is given above.

*Culex (Melanoconion) pavlovskyi*

Distribution: CORRIENTES: Aeropuerto de Camba Punta, III-4-66, 1M, Casal; Belkin et al. 1968; Casal & Garcia 1967b; Knight & Stone 1977. MISIONES: Casal & Garcia 1967b.

Note: The type locality is given above under Corrientes Province.

*Culex (Melanoconion) pedroi*

Distribution: CHACO: Rio Negro Bridge, W. of Resistencia, IV-10-80, 1M, Mitchell; Sirivanakarn & Jakob 1981. CORRIENTES: Locality and collection data not given; Sirivanakarn & Belkin 1980.

Note: This species was previously lumped with *Cx. taeniopus* from which it was separated by Sirivanakarn & Belkin (1980). The collection of Mitchell reported by Sirivanakarn & Jakob (1981) appears to be the first definite record for Argentina.

*Culex (Melanoconion) pilosus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b; Sirivanakarn & Jakob 1981. CORDOBA: Bianchini et al. 1965 (1967). CORRIENTES: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b; Sirivanakarn & Jakob 1981. MISIONES: Castro et al. 1959 (1960); Duret 1953a; Duret 1953b; Duret 1954b. SANTA FE: Duret 1953a; Duret 1953b; Duret 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) plectoporpe*

Distribution: CHACO: Rio Negro Bridge W. of Resistencia, IV-10-80, 3M, Mitchell; Sirivanakarn & Jakob 1981.

Note: Not reported from Argentina by Knight & Stone (1977).

*Culex (Melanoconion) rooti*

Distribution: MISIONES: San Pedro, III-15-51, 1M, Duret; Castro et al. 1959 (1960); Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) serratimarge*

Distribution: MISIONES: Cerro Azul, Arroyo San Juan, V-2-49, 1M, Duret; Castro et al. 1959 (1960); Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) taeniopus*

Distribution: CORRIENTES: Ramada Paso, IX-16-48, 2M, Duret; Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Melanoconion) theobaldi*

Distribution: CORRIENTES: Paso de los Libres, IV-15-51, 1M, Bejarano; Duret 1953a,b; 1954b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Culex (Microculex) davisi*

Distribution: CORRIENTES: El Perichon, III-28-69, various specimens; Torales et al. 1972.

Note: Not reported from Argentina by Knight & Stone (1977).

*Culex (Microculex) imitator*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b; Torales et al. 1972. FORMOSA: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. MISIONES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). SANTA FE: Castro et al. 1959 (1960); Duret 1953b. TUCUMAN: Castro et al. 1959 (1960); Duret 1951a; Duret 1953b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Haemagogus (Conopostegus) leucocelaenus*

Distribution: CHACO: Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951a. CORRIENTES: Bejarano 1979; Carcavallo & Martinez 1968a. FORMOSA: Castro et al. 1959 (1960); Del Ponte 1958; Manso Soto et al. 1953. JUJUY: Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951a; Manso Soto et al. 1953. MISIONES: Barrera Oro et al. 1966; Bejarano 1979; Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Manso Soto et al. 1953; Zavortink 1972. SALTA: Alvarado et al. 1959 (1960); Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951a; Forattini et al. 1970; Manso Soto et al. 1953; Martinez & Prosen 1953c; Zavortink 1972. TUCUMAN: Castro et al. 1959 (1960); Duret 1951a; Duret 1952; Manso Soto et al. 1953; Zavortink 1972. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Castro (1959 (1960), p. 175) first pointed out that this species should be placed in the genus *Haemagogus*, not *Aedes*, but erroneously synonymized it under *leucomelas* Lutz, a name that was preoccupied, and the taxon had been renamed *leucocelaenus* by Dyar & Shannon (1924). The species continued to be included in *Aedes* (e.g., Carcavallo & Martinez 1968) until 1972 when Zavortink transferred it to *Haemagogus*, subgenus *Conopostegus*.

*Haemagogus (Haemagogus) capricornii*

Distribution: CORRIENTES: Carcavallo & Martinez 1968a; MISIONES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Martinez et al. 1961a. SALTA: Castro et al. 1959 (1960).

Note: Neither Arnell (1973) nor Knight & Stone (1977) recorded this species from Argentina, although Arnell's map in Fig. 3 shows it in Misiones Province, and he includes references to the published work of Martinez et al. 1961a and Martinez & Carcavallo (1965) in his synonymy review. Dyar's (1928) report of *Hg. equinus* Theobald in Argentina probably refers to this species since he listed *capricornii* as a synonym of *equinus*.

*Haemagogus (Haemagogus) janthinomys*

Distribution: CATAMARCA: Arnell 1973; Carcavallo & Martinez 1968a (as *Hg. capricornii petrocchiae*). JUJUY: Arnell 1973; Carcavallo & Martinez 1968a. SALTA: Arnell 1973; Belkin et al. 1968; Carcavallo & Martinez 1968a; Martinez et al. 1961a; Knight & Stone 1977. TUCUMAN: Carcavallo & Martinez 1968a.

Note: Martinez et al. (1961a) named three taxa in Argentina as distinct, *Hg. capricornii janthinomys* Dyar, *Hg. capricornii falco* Kumm, Osorno-Mesa & Boshell-Manrique and *Hg. capricornii petrocchiae* Martinez, Carcavallo & Prosen. Arnell (1973) made significant changes by removing *janthinomys* as a subspecies of *capricornii* and raising it to specific rank. The other two taxa were synonymized under *janthinomys*. Another synonym of this species is *Hg. spegazzini falco* Kumm, Osorno-Mesa & Boshell-Manrique, the name used previously for a widely distributed taxon and a principal vector of sylvatic yellow fever (Arnell 1973). The record for *janthinomys* from Tucuman by Carcavallo & Martinez (1968a) (as *Hg. c. petrocchiae*) is indicated only by a map, Fig. 63.

*Haemagogus (Haemagogus) spegazzini*

Distribution: CATAMARCA: Castro et al. 1959 (1960); Del Ponte 1958. CHACO: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Manso Soto et al. 1953. CORDOBA: Arnell 1973; Bianchini et al. 1965 (1967); Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978. FORMOSA: Arnell 1973; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Manso Soto et al. 1953. JUJUY: Arnell 1973; Belkin et al. 1968; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951b; Forattini et al. 1970; Knight & Stone 1977; Manso Soto et al. 1953. SALTA: Alvarado et al. 1959 (1960); Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951b; Forattini et al. 1970; Manso Soto et al. 1953; Martinez & Prosen 1953c. SAN LUIS: Bejarano et al. 1954; Castro et al. 1959 (1960); Del Ponte 1958. SANTA FE: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951b. SANTIAGO DEL ESTERO: Arnell 1973; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951b. TUCUMAN: Arnell 1973; Belkin et al. 1968; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Del Ponte 1958; Duret 1951b; Knight & Stone 1977; Manso Soto et al. 1953.

Note: The type locality for this species is in Jujuy Province, locality not specified (Knight & Stone, 1977). Before the monograph of Arnell (1973), this species and its subspecies, *falco* (now a synonym of *janthinomys*) were thought to be extensively distributed in Central and South America. Under the present concept, *spegazzini* (s. str.) is confined to eastern and southern Brazil, eastern Bolivia, Paraguay and northern Argentina. This species extends farther south in Argentina than any other *Haemagogus*. A synonym of

*spgazzini*, *Hg. uriartei* Shannon & Del Ponte, was the name used by Duret (1950c, 1951b, 1952) and Castro et al. 1959 (1960) for this species. It was synonymized under *spgazzini* by Martinez et al. (1961a).

*Limatus durhami*

Distribution: CHACO: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). FORMOSA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). JUJUY: Castro et al. 1959 (1960); Duret 1951c. MISIONES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Knight & Stone 1977; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Mansonia (Mansonia) flaveola*

Distribution: BUENOS AIRES: Islas del Parana, 1F; Prosen et al. 1960. CHACO: Las Palmas, XI-16-49; Puerto Las Palmas, XII-50; Costa Ine, XII-50; Castro et al. 1959 (1960); Duret 1951a, 1952; Mitchell et al. 1985c. CORRIENTES: Mitchell et al. 1985b. SANTA FE: Villa Guillermina, XII-30-41; Castro et al. 1959 (1960); Duret 1951a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Belkin et al. (1970) stated that *flaveola* (sensu stricto) is probably restricted to the Caribbean Basin and that the South American populations, although belonging to the *flaveola* complex, appear to be distinct; however, additional material is needed to decide the matter.

*Mansonia (Mansonia) humeralis*

Distribution: BUENOS AIRES: Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951a; Duret 1952. CORRIENTES: Castro et al. 1959 (1960); Duret 1952; Hack et al. 1978. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951a; Duret 1952. FORMOSA: Duret 1951a. SALTA: Castro et al. 1959 (1960); Duret 1951a. SANTA FE: Castro et al. 1959 (1960); Duret 1951a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Mansonia (Mansonia) indubitans*

Distribution: BUENOS AIRES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Garcia & Casal 1965; Prosen et al. 1960; Ronderos & Bachmann 1963. CHACO: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Bachmann 1963. CORDOBA: Bianchini et al. 1965 (1967). CORRIENTES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1953b; Ronderos & Bachmann 1963. ENTRE RIOS: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Bachmann 1963. FORMOSA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Bachmann 1963. MISIONES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Bachmann 1963. SALTA: Ronderos & Bachmann 1963. SANTA FE: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Ronderos & Bachmann 1963.

Note: Belkin et al. (1970) determined that the "*indubitans*" of the Caribbean area are different from those in South America; therefore, a new species was described, *Ma. dyari* Belkin, Heinemann & Page. Knight & Stone (1977) do not list *Ma. indubitans* from Argentina.

Ronderos & Bachmann (1963) believed that all records of *Ma. pessaoi* for Argentina are referable to *indubitans*. These records include: BUENOS AIRES: Baradero, X-26-47; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). CHACO: General Obligado, IV-50; Duret 1951a. ENTRO RIOS: Ibicuycito, III-2-38; Castillo leg., Brazo Largo, II-2-40, I-15-49, II-20-49, XII-51; Mazaruca, I-41; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). SANTA FE: Santa Fe, II-10-41; Bacigalugo leg., Villa Guillermina, I-5-52; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). Knight & Stone (1977) recorded *Ma. pessaoi* only from Brazil.

*Mansonia (Mansonia) pseudotitillans*

Distribution: BUENOS AIRES: Garcia & Casal 1965; Ronderos & Bachmann 1963. CHACO: Ronderos & Bachmann 1963. CORRIENTES: Ronderos & Bachmann 1963. ENTRE RIOS: Ronderos & Bachmann 1963. FORMOSA: Ronderos & Bachmann 1963. MISIONES: Ronderos & Bachmann 1963. SALTA: Ronderos & Bachmann 1963. SANTA FE: Ronderos & Bachmann 1963.

Note: Not listed from Argentina by Knight & Stone (1977).

*Mansonia (Mansonia) titillans*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Duret 1951a; Garcia & Casal 1965; Prosen et al. 1960; Ronderos & Bachmann 1963. CHACO: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. CORDOBA: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. CORRIENTES: Carcavallo & Martinez 1968a; Duret 1951a; Duret 1952; Hack et al. 1978; Ronderos & Bachmann 1963. ENTRE RIOS: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. FORMOSA: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. JUJUY: Carcavallo & Martinez 1968a; Duret 1951a. MISIONES: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. SALTA: Carcavallo & Martinez 1968a; Duret 1951a; Ronderos & Bachmann 1963. SANTA FE: Carcavallo & Martinez 1968a; Duret 1951a; Mitchell et al. 1985b; Mitchell et al. 1985c; Ronderos & Bachmann 1963. SANTIAGO DEL ESTERO: Carcavallo & Martinez 1968a; Ronderos & Bachmann 1963. TUCUMAN: Carcavallo & Martinez 1968a; Duret 1951a. PROVINCE NOT SPECIFIED: Belkin et al. 1970.

Note: Belkin et al. (1970) suggested that *Ma. titillans* populations in the northern and southern parts of its range may be different.



*Orthopodomyia sampaioi*

Distribution: MISIONES: Paranai, XI-29-45, L, Del Ponte; Castro & Bressanello 1952a; Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: In his monograph on the *Orthopodomyia*, Zavortink (1968) described the adult female and male but indicated that the immature stages are poorly known. He did not mention Argentina in his distribution data.

*Phoniomyia diabolica*

Distribution: MISIONES: Arroyo Nandu, 15 km SE of Puerto Iguazu, 2M; Garcia & Casal 1968b.

Note: Knight & Stone (1977) recorded this species only from Brazil.

*Phoniomyia flabellata*

Distribution: MISIONES: Iguazu, III-3-53, 2F; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960).

Note: See note under *Ph. diabolica*.

*Phoniomyia muehlensi*

Distribution: CHACO: Belkin et al. 1968; Casal & Garcia 1970; Castro et al. 1959 (1960); Correa & Ramalho 1956; Duret 1951c; Knight & Stone 1977. CORRIENTES: Castro et al. 1959 (1960); Duret 1951c; Hack et al. 1978; Torales et al. 1972. FORMOSA: Casal & Garcia 1970; Castro et al. 1959 (1960); Duret 1951c; Forattini et al. 1970. MISIONES: Castro et al. 1959 (1960); Duret 1951c. SANTA FE: Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: The type locality was either Saenz Pena, Resistencia or Charadai, Chaco Province. Since the holotype is missing, a lectotype, collected also by Petrocchi in Formosa Province, was designated by Casal & Castro (1970).

*Phoniomyia pilicauda*

Distribution: MISIONES: Arroyo Yacui, X-47; Cataratas del Iguazu, X-47, X-48; Puerto Piray, IX-48; Deseado, III-51; Iguazu Cue, XII-51; Duret 1951c, 1952; same collections noted by Castro et al. 1959 (1960).

Note: See note under *Ph. diabolica*.

*Phoniomyia quasilongirostris*

Distribution: MISIONES: Iguazu, X-27, R.C. Shannon; Puerto Aguirre, no other data; Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: This species was listed by Castro et al. 1959 (1960) and Duret (1950a, 1951c) under 2 other names: *Ph. longirostris* (Theobald) from which *quasilongirostris* was resurrected from synonymy by Lane & Cerqueira (1942) and *Ph. neivai* which was synonymized under *quasilongirostris* by Correa and Ramalho (1956).

*Phoniomyia tripartita*

Distribution: CHACO: Dyar 1928. CORRIENTES: Dyar 1928. PROVINCE NOT SPECIFIED: Duret 1951c; Knight & Stone 1977.

*Psorophora (Grabhamia) cingulata*

Distribution: BUENOS AIRES: Carcavallo & Martinez 1968a; Prosen et al. 1960. CHACO: Carcavallo & Martinez 1968a. CORRIENTES: Carcavallo & Martinez 1968a. ENTRE RIOS: Carcavallo & Martinez 1968a. MISIONES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1952. SANTA FE: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Records of this species for Chaco, Corrientes and Entre Rios Provinces are based only on the distribution map of Carcavallo & Martinez (1968a).

*Psorophora (Grabhamia) confinnis*

Distribution: BUENOS AIRES: Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Mitchell et al. 1985c. CORDOBA: Bianchini et al. 1965 (1967); Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Duret 1951b; Duret 1952. FORMOSA: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965; Knight & Stone 1977. MISIONES: Castro et al. 1959 (1960); Duret 1951b. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Guedes et al. 1965. TUCUMAN: Castro et al. 1959 (1960); Duret 1951b.

Note: The type locality for the lectotype designated by Casal in Belkin et al. (1968) is Chaco Province; also see Knight & Stone (1977).

*Psorophora (Grabhamia) dimidiata*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965 (1967); Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Hack et al. 1978; Mitchell et al. 1985b. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. LA RIOJA: Castro et al. 1959 (1960); Duret 1951b. SALTA: Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Psorophora (Grabhamia) paulli*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. JUJUY: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). SALTA: Alvarado et al. 1959 (1960); Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Knight & Stone 1977. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960); Duret 1951b.

Note: The type locality for this species is Tres Pozos, Embarcacion, Salta Province.

*Psorophora (Grabhamia) varinervis*

Distribution: BUENOS AIRES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. FORMOSA: Duret 1951b; Guedes et al. 1965; Martinez et al. 1959. MISIONES: Castro et al. 1959 (1960); Duret 1951b. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Guedes et al. 1965. TUCUMAN: Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Psorophora (Janthinosoma) albigenu*

Distribution: BUENOS AIRES: Casal & Garcia 1970; Duret 1951b; Knight & Stone 1977. FORMOSA: Guedes et al. 1965. MISIONES: Barrera Oro et al. 1966. SANTIAGO DEL ESTERO: Guedes et al. 1965.

Note: This species belongs to the *varipes* complex, along with *Ps. varipes* (Coquillett), *Ps. discruciens* (Walker), and *Ps. mathesoni* Belkin & Heinemann. The group has one distinguishing adult female morphological character in

common, a band of pale scales on hindtarsomere 4, while the other hindtarsomeres are dark-scaled. Guedes & Souza (1964) resurrected *albigenu* from synonymy with *varipes*, and they, along with Knight & Stone (1977) and Peyton et al. (1983) have declared that the species in South America which was previously called "*varipes*" is really *albigenu* and that the identity and distribution of "*varipes*" remains uncertain. *Psorophora mathesoni* is found only in the U.S.A., while *discrucians* is distributed in South America east of the Andes Mountains, including parts of Argentina, and can be distinguished from *albigenu*; see identification keys.

*Psorophora (Janthinosoma) albipes*

Distribution: BUENOS AIRES: Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. JUJUY: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). MISIONES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. TUCUMAN: Castro et al. 1959 (1960).

Note: Not recorded from Argentina by Knight & Stone (1977).

*Psorophora (Janthinosoma) cyanescens*

Distribution: BUENOS AIRES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b; Garcia & Casal 1965; Prosen et al. 1960. CATAMARCA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). CHACO: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965, 1967, (1968); CORRIENTES: Castro et al. 1959 (1960); Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Duret 1951b; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965. TUCUMAN: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Psorophora (Janthinosoma) discrucians*

Distribution: BUENOS AIRES: Castro et al. 1959 (1960); Duret 1951b. Garcia & Casal 1965; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965, (1967), 1968; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951b; Duret 1952.

FORMOSA: Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965.  
 MISIONES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. SALTA: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. TUCUMAN: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: See note under *Ps. albigenu*.

*Psorophora (Janthinosoma) ferox*

Distribution: BUENOS AIRES: Belkin et al. 1968; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Garcia & Casal 1965; Knight & Stone 1977; Prosen et al. 1960. CATAMARCA: Castro & Garcia 1959 (1960). CHACO: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965 (1967); Carcavallo & Martinez 1968a. CORRIENTES: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b; ENTRE RIOS: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1952. FORMOSA: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965. JUJUY: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b. MISIONES: Barrera Oro et al. 1966; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Martinez & Prosen 1951. SALTA: Alvarado et al. 1959 (1960); Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970. SANTA FE: Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Carcavallo & Martinez 1968a; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b. TUCUMAN: Carcavallo & Martinez 1968a; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Belkin et al. 1970.

*Psorophora (Janthinosoma) lutzii*

Distribution: MISIONES: Bemberg, II-37, Del Ponte; Cerro Azul, II-51, Andrade; Iguazu Cue, XI-51, 20F, Duret; Castro et al. 1959 (1960); Duret 1951b, 1952. SALTA: Tres Pozos, Embarcacion, IV-20-27, 1F; Belkin et al. 1968; Knight & Stone 1977.

*Psorophora (Janthinosoma) varipes*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951b; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b. CORDOBA: Bianchini et al. 1965 (1967), 1968; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. JUJUY: Castro et al. 1959 (1960). MISIONES:

Castro et al. 1959 (1960); Duret 1951b; Duret 1952. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: See note under *Ps. albigenu*. Many, if not all, of the records for *varipes* in Argentina are undoubtedly referable to *albigenu*.

*Psorophora (Psorophora) ciliata*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951b; Garcia & Casal 1965; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Mitchell et al. 1985b. CORDOBA: Bianchini et al., 1965, (1967), 1968; Castro et al. 1959 (1960); Duret 1951b. CORRIENTES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951b; Guedes et al. 1965. JUJUY: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970. MISIONES: Castro et al. 1959 (1960); Duret 1951b; Duret 1952. SALTA: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970. SANTA FE: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960); Duret 1951b. TUCUMAN: Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Belkin et al. 1968; Knight & Stone 1977.

Note: Belkin et al. (1970) suggested that the "*ciliata*" from South America, south of the Guianas probably is different from populations to the north. They had no specimens to determine, for example, whether *Ps. lynchi* Brethes was different. Pending further study, *lynchi* will remain a synonym of *ciliata*. The type locality of *lynchi* is Buenos Aires (Belkin et al. 1968; Knight & Stone 1977).

*Psorophora (Psorophora) cilipes*

Distribution: MISIONES: Iguazu Cue, XI-51, 5F, Duret; Castro et al. 1959 (1960); Duret 1952. PROVINCE NOT SPECIFIED: Duret 1951b; Knight & Stone 1977.

Note: Del Ponte & Castro (1952) stated: "La presencia de *Ps. cilipes* en la Argentina debe, pues, ser demostrada."

*Psorophora (Psorophora) holmbergi*

Distribution: BUENOS AIRES: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Garcia & Casal 1965; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Guedes et al. 1965. CORDOBA: Bianchini et al. 1965 (1967). CORRIENTES: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Duret 1952. ENTRE RIOS: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Duret 1952.

FORMOSA: Belkin et al. 1968; Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Guedes et al. 1965; Knight & Stone 1977. MISIONES: Castro et al. 1959 (1960); Del Ponte & Castro 1952. SANTA FE: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Forattini et al. 1970.

Note: The type locality for this species is City of Formosa, Formosa Province (Del Ponte & Castro 1952; Knight & Stone 1977).

*Psorophora (Psorophora) ochripes*

Distribution: BUENOS AIRES: Buenos Aires, near Parana River, 1F, Macquart; Belkin (1968); Knight & Stone 1977.

Note: This species is known only from the holotype, whose type locality is listed above. The species was formerly placed in synonymy under *Ae. fulvus* (Stone et al. 1959), but was resurrected by Belkin (1968) as a species of *Psorophora*.

*Psorophora (Psorophora) pallescens*

Distribution: BUENOS AIRES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1951b; Forattini et al. 1970; Mitchell et al. 1985b. CORDOBA: Bianchini et al. 1965 (1967), 1968; CORRIENTES: Castro et al. 1959 (1960); Duret 1952; Hack et al. 1978; Mitchell et al. 1985b. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1951b. SALTA: Castro et al. 1959 (1960); Duret 1951b. SANTA FE: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Mitchell et al. 1985a; Mitchell et al. 1985b. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960); Duret 1951b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Psorophora (Psorophora) saeva*

Distribution: CHACO: Guedes et al. 1965. FORMOSA: Guedes et al. 1965. MISIONES: Castro et al. 1959 (1960); Del Ponte & Castro 1952; Duret 1951b; Duret 1952; Stone 1967. SALTA: Del Ponte & Castro 1952; Duret 1951b. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: In 1907, Cruz described *Ps. genumaculata*, a species which had already been described as *Ps. saeva* by Dyar & Knab (1906). In 1923, Dyar synonymized both of these names under *Ps. lineata* (Von Humboldt, 1819). The early literature on Argentine mosquitoes refers to *saeva* as either *genumaculata* or *lineata*. Del Ponte & Castro (1952) resurrected *saeva* as the correct name applicable to this species in Argentina, placed *genumaculata* in synonymy under it and considered *lineata* as "nomen dubium." It was Stone (1967) who determined that *lineata* is distinct from *saeva*, and is distributed in Central and Northern South America, while *saeva* has a more southern range.

*Runchomyia (Isostomyia) espini*

Distribution: MISIONES: San Antonio, Colonia General Belgrano, 1F; Castro et al. 1959 (1960); Duret 1952; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Runchomyia (Runchomyia) frontosa*

Distribution: MISIONES: Bemberg, II-37, 1F; Puerto Iguazu, Cataratas del Iguazu, Puerto Peninsula, various specimens; Obera, El Soberbio, V-2-66, various specimens; Bejarano 1979; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Prior to 1960, this species was called *rapax* Dyar & Knab in the Argentine literature, but actually it was synonymized under *frontosa* by Stone in 1944. Zavortink (1979a) listed *rapax* as a valid species, but without comment.

*Runchomyia (Runchomyia) paranensis*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951c; Garcia & Casal 1965; Knight & Stone 1977. CORRIENTES: Castro et al. 1959 (1960); Duret 1951c. MISIONES: Castro et al. 1959 (1960); Duret 1951c.

Note: This species was synonymized under *lunatum* (Theobald) by Lane & Cerqueira (1942) but resurrected by Garcia & Casal (1965). Some of the Argentine literature refers to this species as *lunatum (lunatus)*.

*Runchomyia (Runchomyia) reversa*

Distribution: MISIONES: Cataratas del Iguazu, IX-47, 1F, Duret; Iguazu Cue, XI-XII-51, 7Ad, Duret; Castro et al. 1959 (1960); Duret 1951c; Duret 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethes) albiprivus*

Distribution: CORRIENTES: Castro et al. 1959 (1960); Duret 1951c; Duret 1952. JUJUY: Belkin et al. 1968; Casal & Garcia 1970; Castro et al. 1959 (1960); Duret 1951c; Knight & Stone 1977. MISIONES: Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Martinez & Prosen 1951. SALTA: Alvarado et al. 1959 (1960); Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1951c; Forattini et al. 1970.



*Sabethes (Sabethes) belisarioi*

Distribution: MISIONES: Iguazu, X-28, 1Ad, Riessel; Arroyo Yacui, X-47; Cataratas del Iguazu, X-48; Puerto Rico, II-51; Deseado, X-48; Duret; Castro et al. 1959 (1960); Duret 1951c; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethes) cyaneus*

Distribution: MISIONES: Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Duret 1951c; Knight & Stone 1977.

*Sabethes (Sabethes) purpureus*

Distribution: MISIONES: Bemberg, II-37; Panambi, III-51, Duret; Castro et al. 1959 (1960); Duret 1951c. SANTA FE: Reconquista, XI-41; Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethinus) aurescens*

Distribution: MISIONES: Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethinus) identicus*

Distribution: MISIONES: Cataratas del Iguazu, X-48; Bernardo de Irigoyen, X-48; Parambi, V-49; Duret; Castro et al. 1959 (1960); Duret 1951c; Martinez & Prosen 1951. SALTA: Salvador Mazza (Pocitos), X-51, 1F; Castro et al. 1959 (1960); Martinez & Prosen 1953c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: This species was listed by its synonym, *Sa. lutzianus* Lane & Cerqueira, by Duret (1951c) and Martinez & Prosen (1951).

*Sabethes (Sabethinus) intermedius*

Distribution: MISIONES: Arroyo Yacui, IX-47; Puerto y Cataratas del Iguazu, X-47; Panambi, V-49; Deseado, III-51; Colonia General Belgrano, X-50; Castro et al. 1959 (1960); Duret 1951c; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethinus) melanonymphe*

Distribution: MISIONES: San Pedro, III-13-66, 11ar; III-16-66, 2M1p, 11ar; Garcia & Casal 1968a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethinus) soperi*

Distribution: MISIONES: Puerto Izuazu, X-6-47, 1F, Duret; Puerto Esperanza, III-51; Castro et al. 1959 (1960); Duret 1949, 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Sabethes (Sabethinus) undosus*

Distribution: MISIONES: Puerto Iguazu, X-47, 1F, Bejarano & Duret; Castro et al. 1959 (1960); Duret 1951c.

Note: Not listed from Argentina by Knight & Stone (1977).

*Sabethes (Sabethoides) chloropterus*

Distribution: MISIONES: Alvarado et al. 1959 (1960); Bejarano 1979; Carcavallo & Martinez 1968a; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Martinez & Prosen 1951. SALTA: Carcavallo & Martinez 1968a; Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Forattini et al. 1970; Martinez & Prosen 1953c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Martinez & Prosen (1951) and Duret (1951c) used the name, *Sa. imperfectus*, (Bonne-Wepster & Bonne) for this species. It was synonymized under *chloropterus* by Lane (1951).

*Shannoniana fluviatilis*

Distribution: MISIONES: Campo Grande, X-48; Iguazu, XI-51, 5F, Duret; San Pedro, III-66, 256F; Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c, 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Toxorhynchites (Ankylorhynchus) purpureus*

Distribution: MISIONES: El Soberbio; Castro et al. 1959 (1960).

Note: Knight & Stone (1977) recorded this species only from Brazil.

*Toxorhynchites (Lynchiella) bambusicolus*

Distribution: MISIONES: San Pedro, III-16-66, 1F, 3M; Garcia & Casal 1968b.

Note: Not reported from Argentina by Knight & Stone (1977).

*Toxorhynchites (Lynchiella) cavalierii*

Distribution: MISIONES: Hosteria Ruffino, Puerto Iguazu, VI-25-65, 1Flp, Casal, Hepper & Garcia; Belkin et al. 1968; Garcia & Casal 1967; Knight & Stone 1977; Steffan 1977.

Note: The type locality is given above.

*Toxorhynchites (Lynchiella) guadeloupensis*

Distribution: CATAMARCA: Forattini et al. 1970. JUJUY: Castro et al. 1959 (1960); Duret 1950c. SALTA: Castro et al. 1959 (1960); Duret 1950c; Martinez et al. 1959. TUCUMAN: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Forattini et al. 1970; Knight & Stone 1977; Steffan 1977.

Note: Earlier Argentine literature referred to this species as either *Tx. tucumanus* Brethes or *Tx. arborealis* Shannon & Del Ponte, both of which were synonymized by Lane (1953) with *guadeloupensis*.

*Toxorhynchites (Lynchiella) h. haemorrhoidalis*

Distribution: PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Since all mention of *Tx. haemorrhoidalis* in the Argentine literature gives only subspecies *separatus*, it is doubtful that the typical subspecies occurs in Argentina. This opinion was also expressed by Duret (1950c).

*Toxorhynchites (Lynchiella) h. separatus*

Distribution: CHACO: Castro et al. 1959 (1960); Duret 1950c. FORMOSA: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Knight & Stone 1977; Steffan 1977.

Note: An adult male from Formosa Province was designated as the lectotype of this taxon by Casal (see Belkin et al. 1968).

*Toxorhynchites (Lynchiella) solstitialis*

Distribution: MISIONES: Puerto Aguirre; Castro et al. 1959 (1960); Duret 1950c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Toxorhynchites (Lynchiella) theobaldi*

Distribution: MISIONES: Puerto Iguazu, IV-8-46, Umana; Puerto Aguirre, no other data; Castro et al. 1959 (1960); Duret 1950c. SALTA: La Lagunas, 2F, 1M; Forattini et al. 1970. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Trichoprosopon castroi*

Distribution: MISIONES: Puerto Peninsula, XI-II-51, 1M, Duret; San Pedro, III-66, 279F; Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1952.

Note: Knight & Stone (1977) reported this species only from Brazil.

*Trichoprosopon compressum*

Distribution: MISIONES: Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Trichoprosopon obscurum*

Distribution: MISIONES: San Antonio (General Belgrano), X-51, series of F; Castro et al. 1959 (1960); Martinez & Prosen 1953c; PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Trichoprosopon pallidiventer*

Distribution: MISIONES: Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c; Duret 1952; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Trichoprosopon simile*

Distribution: MISIONES: Bemberg, X-48, 1F, Duret & Bejarano; Castro et al. 1959 (1960); Duret 1951c.

Note: Not recorded from Argentina by Knight & Stone (1977).

*Uranotaenia (Uranotaenia) apicalis*

Distribution: BUENOS AIRES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Garcia & Casal 1965; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1950c; Duret 1952. CORRIENTES: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Hack et al. 1978. FORMOSA: Castro et al. 1959 (1960); Duret 1950c. SANTA FE: Castro et al. 1959 (1960); Duret 1950c. PROVINCE NOT SPECIFIED: Galindo et al. 1954; Knight & Stone 1977.

*Uranotaenia (Uranotaenia) davisii*

Distribution: FORMOSA: Puerto Pilcomaya, II-20-46; Castro et al. 1959 (1960); Duret 1950c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Uranotaenia (Uranotaenia) ditaenionota*

Distribution: MISIONES: Aristobulo del Valle, II-III-51; Castro et al. 1959 (1960); Duret 1952. SALTA: Pocitos, IX-49, II-51, Martinez; Castro et al. 1959 (1960); Duret 1950c, 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Uranotaenia (Uranotaenia) geometrica*

Distribution: BUENOS AIRES: Castro et al. 1959 (1960); Duret 1950c; Prosen et al. 1960. CHACO: Castro et al. 1959 (1960); Duret 1950c. CORRIENTES: Castro et al. 1959 (1960); Duret 1950c; Duret 1952. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1950c. MISIONES: Castro et al. 1959 (1960) Duret 1952. SANTA FE: Castro et al. 1959 (1960). PROVINCE NOT SPECIFIED: Knight & Stone 1977; Lane 1953.

*Uranotaenia (Uranotaenia) lanei*

Distribution: FORMOSA: Ciudad de Formosa, III-1-49, 1F, Prosen & Martinez; Belkin et al. 1968; Castro et al. 1959 (1960); Knight & Stone 1977; Martinez & Prosen 1953a; Prosen & Martinez 1953.

Note: The type locality is given above.

*Uranotaenia (Uranotaenia) lowii*

Distribution: BUENOS AIRES: Prosen et al. 1960. CHACO: Belkin et al. 1968; Duret 1950c; Knight & Stone 1977. CORRIENTES: Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Hack et al. 1978; Knight & Stone 1977. FORMOSA: Castro et al. 1959 (1960); Duret 1950c. JUJUY: Castro et al. 1959 (1960); Duret 1950c; Knight & Stone 1977. MISIONES: Castro et al. 1959 (1960); Duret 1950c; Knight & Stone 1977. SANTA FE: Castro et al. 1959 (1960); Duret 1950c. SANTIAGO DEL ESTERO: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960); Duret 1950c. PROVINCE NOT SPECIFIED: Belkin et al. 1970; Galindo et al. 1954.

*Uranotaenia (Uranotaenia) nataliae*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Garcia & Casal 1965; Knight & Stone 1977; Prosen et al. 1960. CORDOBA: Bianchini et al. 1965 (1967); Castro et al. 1959 (1960); Duret 1950c; Duret 1952. CORRIENTES: Castro et al. 1959 (1960); Duret 1952. ENTRE RIOS: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). FORMOSA: Duret 1950c. JUJUY: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Knight & Stone 1977. PROVINCE NOT SPECIFIED: Galindo et al. 1954.

Note: The type locality for this species is Baradero, Buenos Aires Province (Belkin et al. 1968; Knight & Stone 1977).

*Uranotaenia (Uranotaenia) pulcherrima*

Distribution: BUENOS AIRES: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Garcia & Casal 1965; Knight & Stone 1977; Prosen et al. 1960. CHACO: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Knight & Stone 1977. CORDOBA: Bianchini et al. 1965 (1967); Duret 1952. CORRIENTES: Castro et al. 1959 (1960); Duret 1950c; Duret 1952; Hack et al. 1978. ENTRE RIOS: Castro et al. 1959 (1960); Duret 1950c; Duret 1952. FORMOSA: Castro et al. 1959 (1960); Duret 1950c. MISIONES: Castro et al. 1959 (1960); Duret 1950c; Duret 1952. SALTA: Belkin et al. 1968; Duret 1950c; Knight & Stone 1977. SANTA FE: Castro & Garcia 1959 (1960); Castro et al. 1959 (1960). TUCUMAN: Castro et al. 1959 (1960); Duret 1950c. PROVINCE NOT SPECIFIED: Galindo et al. 1954.

Note: The type locality of the typical species is Las Conchas, Buenos Aires Province (Knight & Stone 1977). A valid subspecies, *elnora* Paterson & Shannon, was described in 1927 from an adult female collected in Tres Posos, Embarcacion, Salta Province. The distribution records given above for *pulcherrima* (var. *pulcherrima*) include those for var. *elnora*. Older references called this species *Ur. urania* Shannon & Del Ponte which was synonymized under *pulcherrima* by Lane (1951).

*Wyeomyia (Davisomyia) petrocchiaie*

Distribution: FORMOSA: Belkin et al. 1968. JUJUY: Castro et al. 1959 (1960); Duret 1951c. MISIONES: Castro et al. 1959 (1960); Duret 1951c; Duret 1952. TUCUMAN: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951c; Knight & Stone 1977.

Note: The type locality for this species is Raco, Tucuman Province, according to Knight & Stone (1977) and Lane (1953).

*Wyeomyia (Dendromyia) aporonoma*

Distribution: MISIONES: San Pedro, III-10-66, 2F; Garcia & Casal 1968a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Wyeomyia (Dendromyia) belkini*

Distribution: MISIONES: Arroyo Ibicuy, 20 km W of Cataratas del Iguazu, VI-26-65, 1M, 7F, 5L, Hepper, Garcia & Casal; San Pedro, III-66, 3F; Berrera Oro et al. 1966; Belkin et al. 1968; Casal & Garcia 1966; Knight & Stone 1977.

Note: The type locality for this species is Arroyo Ibicuy as listed above under distribution (Casal & Garcia 1966).

*Wyeomyia (Dendromyia) luteoventralis*

Distribution: CORRIENTES: Arroyo Cuay Chico, IV-51; San Benito, no other data; Castro et al. 1959 (1960); Duret 1952; MISIONES: Cataratas del Iguazu, IX-47; Cerro Azul, V-49; Arroyo Piray-Guazu, Deseado, Puerto Laharrague, Arroyo Yacui, El Soberbio, no other data; Castro et al. 1959 (1960); Duret 1951c, 1952.

Note: This species was not reported from Argentina by Knight & Stone (1977) nor by Lane (1953). It was listed under the name *Wy. quasiluteoventralis* Theobald by Castro et al. 1959 (1960) and Duret (1951c, 1952), however that taxon was synonymized under *luteoventralis* by Belkin (1968). Another species erroneously identified as this species was *Wy. scotinomus* (Dyar & Knab) by Duret (1951c). The error was corrected by Duret (1952) and noted by Castro 1959 (1960).

*Wyeomyia (Dendromyia) melanocephala*

Distribution: JUJUY: Ledesma, III-9-26, 1F, Davis & Shannon; Leach, XII-48; Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951c; Knight & Stone 1977. SALTA: Luis Burela, El Tunal, XI-48; Castro et al. 1959 (1960); Duret 1951c.

*Wyeomyia (Dendromyia) mystes*

Distribution: MISIONES: Iguazu, XI-16-51, 1M, Duret; Castro et al. 1959 (1960); Duret 1952.

Note: This species was not recorded from Argentina by Knight & Stone (1977).

*Wyeomyia (Dendromyia) personata*

Distribution: MISIONES: El Soberbio, X-48; Dos de Mayo, X-48; Iguazu, XII-51; Helechos (Arroyo San Ramon), V-49; Aristobulo del Valle, Panambi (no other data); Castro et al. 1959 (1960); Duret 1951c, 1952. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: Duret (1952) referred to this species by its synonymized name, *Wy. brucei* Del Ponte & Cerqueira, which was synonymized by Da Costa Lima (1943).

*Wyeomyia (Dendromyia) serratoria*

Distribution: MISIONES: Iguazu; Dyar 1928. PROVINCE NOT SPECIFIED: Castro et al. 1959 (1960); Knight & Stone 1977.

*Wyeomyia (Menolepis) leucostigma*

Distribution: BUENOS AIRES: Castro et al. 1959 (1960); Duret 1951c; Knight & Stone 1977; Prosen et al. 1960. CORRIENTES: Castro et al. 1959 (1960); Duret 1951c. ENTRE RIOS: Duret 1951c. JUJUY: Castro et al. 1959 (1960); Duret 1951c. MISIONES: Castro et al. 1959 (1960); Duret 1951c; Martinez & Prosen 1951. SANTIAGO DEL ESTERO: Castro et al. 1959 (1960); Duret 1951c. TUCUMAN: Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Lane, 1953.

*Wyeomyia (Nunezia) lateralis*

Distribution: JUJUY: Belkin et al. 1968; Castro et al. 1959 (1960); Duret 1951c; Knight & Stone 1977; Lane 1953. SALTA: Castro et al. 1959 (1960); Duret 1951c. TUCUMAN: Castro et al. 1959 (1960); Duret 1951c. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

Note: The type locality for this species is Zapla, Jujuy Province (Knight & Stone, 1977).

*Wyeomyia (Wyeomyia) arthro stigma*

Distribution: SALTA: Pescado, XI-24-66, 8F, 8M, 1Flp, 1Mlp, Garcia & Casal; Garcia & Casal 1968b.

Note: Not listed from Argentina by Knight & Stone (1977).

*Wyeomyia (Wyeomyia) codiocampa*

Distribution: MISIONES: El Dorado, VII-8-65, 1M, Garcia & Casal; Garcia & Casal 1968b.

Note: This species was recorded only from Panama, Brazil and Paraguay by Knight & Stone (1977).

*Wyeomyia (Wyeomyia) limai*

Distribution: MISIONES: San Antonio, Colonia General Belgrano, X-50, many F; Arroyo Piray-Guazu, IX-48; Cataratas del Iguazu, X-48; San Pedro, III-66, 15F; Aristobulo del Valle, Campo Grande, Colonia Salto Encantado, Dos de Mayo, El Soberbio, Los Helechos, Panambi, Puerto Esperanza, Santo Pipo, Tobunas, (no other data); Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c; Martinez & Prosen 1951. PROVINCE NOT SPECIFIED: Knight & Stone 1977.



*Wyeomyia (Wyeomyia) lutzii*

Distribution: MISIONES: Iguazu, X-51, various larvae, Duret; Castro et al. 1959 (1960); Duret 1952.

Note: Knight & Stone (1977) recorded this species only from Brazil.

*Wyeomyia (Wyeomyia) oblita*

Distribution: MISIONES: Deseado, III-51; Cataratas del Iguazu, XI-51; San Pedro, III-66, 2F; Barrera Oro et al. 1966; Castro et al. 1959 (1960); Duret 1951c, 1952.

Note: Not listed from Argentina by Knight & Stone (1977).

*Wyeomyia (Wyeomyia) sabethea*

Distribution: MISIONES: San Pedro, III-9-65, 1F; III-66, 15F; El Dorado, 10 km S. in Arroyo Piray-Guazu, VII-6-65, 2F; Barrera Oro et al. 1966; Garcia & Casal 1968a. PROVINCE NOT SPECIFIED: Knight & Stone 1977.

*Wyeomyia (Wyeomyia) serrata*

Distribution: MISIONES: Deseado, III-30-51, lar; Castro et al. 1959 (1960); Duret 1952.

Note: Knight & Stone (1977) reported this species only from Brazil.

## BIBLIOGRAPHY OF THE MOSQUITOES OF ARGENTINA

- Acha, P. N. y B. Szyftes. 1977. Zoonosis y enfermedades transmisibles comunes al hombre y a los animales. PAHO Publ. No. 354, 726 pp.
- Alvarado, C. A. and R. L. Heredia. 1947. Observaciones sobre una nueva variedad del *Anopheles (A.) pseudopunctipennis* Theobald 1901, encontrada en la Provincia de Tucuman (Nota previa). An. Inst. Med. Reg. Univ. Tucuman 2:73-78.
- Alvarado, C. A., H. A. Coll, A. C. Umana, y R. L. Heredia. 1959 (1960). Contribución al conocimiento de la biología de vectores selváticos de fiebre amarilla en el noroeste argentino. Prim. Jorn. Entomoepidem. Arg. 1:183-200.
- Arnell, J. H. 1973. Mosquito studies (Diptera, Culicidae) XXXII. A revision of the genus *Haemogogus*. Contr. Am. Entomol. Inst. 10(2):1-174.
- Arnell, J. H. 1976. Mosquito studies (Diptera, Culicidae) XXXIII. A revision of the *scapularis* group of *Aedes (Ochlerotatus)*. Contr. Am. Entomol. Inst. 13(3):1-144.
- Bachmann, A. O. and J. F. R. Bejarano. 1960. Dispersión de mosquitos en la Patagonia. Neotrópica, La Plata 6:70-71.
- Bachmann, A. O. and O. H. Casal. 1962a. Notas sobre *Culex (Culex)* argentinos (Diptera: Culicidae). An. Inst. Nac. Microbiol. Buenos Aires 1:77-81.
- Bachmann, A. O. and O. H. Casal. 1962b. *Culex (Culex) lahillei* una nueva especie de la Argentina (Diptera: Culicidae). Physis, Buenos Aires 23(65):267-270.
- Bachmann, A. and O. Casal. 1962c (1963). Las especies de *Culex* nominadas por J. Petrocchi (Dip. Culicidae). Neotropica, La Plata 8 (25):26-27.
- Bachmann, A. O. and O. H. Casal. 1962d (1963). Mosquitos argentinos que crían en aguas salobres y saladas. Rev. Soc. ent. Arg. 25:21-27.
- Bachmann, A. O. and O. H. Casal. 1962e (1963). Notas sobre *Culex (Culex)* argentinos. II. Rev. Soc. ent. Arg. 25:39-42.
- Balseiro, E. G. 1981. Análisis de la actividad nocturna de *Culex (C.) eduardoi* Garcia y Casal y *Aedes (O.) crinifer* (Theobald) (Diptera, Culicidae), mediante el empleo de un atractivo lumínico. Rev. Soc. ent. Arg. 40:211-219.
- Balseiro, E. G. 1982. Estadísticos vitales en *Culex pipiens* L. (Diptera, Culicidae). Limnobiós, La Plata 2:323-329.

- Balseiro, E. G. 1983. Observaciones sobre la selectividad de áreas de postura en una población local de *Culex castroï* Casal y Garcia (Diptera, Culicidae). Rev. Soc. ent. Arg. 42:125-130.
- Barrera Oro, J. G., L. F. Gutman Frugone, M. Garcia, O. H. Casal, J. P. Duret, A. Bachmann, and A. M. Vilches. 1966. Aislamiento de virus de mosquitos capturados en zona epidémica de fiebre amarilla. Cienc. Invest. 22(11):510-514.
- Bejarano, J. F. R. 1946. Algunos aspectos entomológicos del paludismo en la República Argentina. Rev. San. Mil. Arg., 45(12):1373-1380.
- Bejarano, J. F. R. 1956a. Distribución en altura del genero *Anophelex* y del paludismo en la República Argentina. Rev. San. Mil. Arg. 55:7-24.
- Bejarano, J. 1956b. Mosquitos posibles transmisores del virus amarílico en la República Argentina. Rev. San. Mil. Arg. 55(3):281-342.
- Bejarano, J. F. R. 1957. Distribución geográfica de Anophelini de la República Argentina. Rev. San. Mil. Arg. 56:307-348.
- Bejarano, J. F. R. 1959 (1960). *Anopheles* de la República Argentina y sus relaciones con el paludismo, p. 305-329. In: J. F. R. Bejarano, E. Del Ponte and R. N. Orfila (ed.), Prim. Jorn. Entomoepidem. Arg. Vol. 1. Buenos Aires.
- Bejarano, J. F. R. 1960. Distribución geográfica del *A. (N.) darlingi* en la República Argentina. Actas Trab. Congr. Sudamer. Zool. 1, 1959. 1(2):189-197.
- Bejarano, J. F. R. 1965 (1967). Anohyelini y Culicini de América cuya distribución alcanza alturas elevadas. Seg. Jorn. Entomoepidem. Arg. 1:147-154.
- Bejarano, J. F. R. 1972 (1973). Fluctuación corológica de *Anopheles (Nyssorhynchus) darlingi* Root, 1926 (Diptera, Culicidae). Rev. Soc. ent. Arg. 34:11-18.
- Bejarano, J. F. R. 1979. Estudio sobre fiebre amarilla selvática en la República Argentina. Subsecretaría de Medicina Sanitaria Dirección Nacional de Promoción y Protección de la Salud Sector Educación Para la Salud, 31 p.
- Bejarano, J. F. R. and J. P. Duret. 1949a. Nota previa sobre la distribución geográfica de los *Haemagogus* argentinos. Rev. San. Mil. Arg. 48(1): 121-122.
- Bejarano, J. F. R. and J. P. Duret. 1949b. Notas previas sobre mosquitos argentinos. Rev. San. Mil. Arg. 48:452-454.

- Bejarano, J. F. R. and J. P. Duret. 1950. Notas sobre entomoepidemiología medica. Rev. San. Mil. Arg. 49(2):150-154.
- Bejarano, J. and J. Duret. 1954. Hallazgo de *Haemagogus uriartei* en la ciudad de San Luis. Rev. San. Mil. Arg. 53(3):353-354.
- Belkin, J. N. 1968. Mosquito studies (Diptera, Culicidae) IX. The type specimens of New World mosquitoes in European museums. Contr. Am. Entomol. Inst. 3(4):1-69.
- Belkin, J. N. 1970. *Culex (Melanoconion) aikenii* (A. & R., 1906) a nomen dubium; *ocossa* D. & K., 1919 and *panocossa* Dyar, 1923 both valid. Mosq. Syst. News1. 2(2):59-60.
- Belkin, J. N., S. J. Heinemann and W. A. Page. 1970. Mosquito studies (Diptera, Culicidae) XXI. The Culicidae of Jamaica. Cont. Am. Entomol. Inst. 6(1):1-458.
- Belkin, J. N., R. X. Schick and S. Heinemann. 1968. Mosquito studies (Diptera, Culicidae). XI. Mosquitoes originally described from Argentina, Bolivia, Chile, Paraguay, Peru, and Uruguay. Contr. Am. Entomol. Inst. 4(1):9-29.
- Belkin, J. N., R. X. Schick and S. J. Heinemann. 1971. Mosquito studies (Diptera, Culicidae) XXV. Mosquitoes originally described from Brazil. Contr. Am. Entomol. Inst. 7(5):1-64.
- Berlin, O. G. W. 1969. Mosquito studies (Diptera, Culicidae) XII. A revision of the Neotropical subgenus *Howardina* of *Aedes*. Contr. Am. Entomol. Inst. 4(2):1-190.
- Berlin, O. G. W. and J. N. Belkin. 1980. Mosquito studies (Diptera, Culicidae). XXXVI. Subgenera *Aedinus*, *Tinolestes* and *Anoediophora* of *Culex*. Contr. Am. Entomol. Inst. 17(2):1-104.
- Bianchi Lischetti, A. 1919. Algunas observaciones sobre la morfología de los huevos de *Culex*. Physis, Buenos Aires 4(18):588-591.
- Bianchini, N. and J. de Bianchini. 1967. Morfología y esculturas coriales de huevos de algunas especies de mosquitos (Diptera: Culicidae). Seg. Jorn. Entommoepidem. Arg. 1:89-93.
- Bianchini, N., Bianchini, J. P. de y Astegiano, M., 1965 (1967). Especies de mosquitos de la Provincia de Cordoba (Diptera, Culicidae). Seg. Jorn. Entomoepidem. Arg. 2:191-194.
- Bianchini, N. R., J. P. Bianchini and J. A. Cichero. 1967. Descripción de la larva, pupa y algunas características bioecológicas de *Culex (C.) tramazayguesi* Duret, 1954. Seg. Jorn. Entomoepidem. Arg. 2:235-237.

- Bianchini, N. R., M. S. Sabattini, J. P. Bianchini, and L. E. Gonzalez. 1968. Aislamiento de arbovirus del grupo Bunyamwera, de mosquitos *Aedes (O.) albifasciatus* en la Argentina. *Cienc. Invest.* 24:463-468.
- Bianchini, N., M. Sabattini, J. P. de Bianchini, y L. Gonzales, 1969. Arbovirus del Grupo Bunyamwera aislados en la Argentina. Su identificacion como un subtipo de virus Maguari. *Cienc. Invest.* 25(4):172.
- Bonne, C. and J. Bonne-Wepster. 1925. Mosquitoes of Surinam. A study on Neotropical mosquitoes. Royal Colon. Inst. Amsterdam, Mededeeling 21, Trop. Hyg. No. 13, 558 p.
- Bram, R. A. 1967. Classification of *Culex* subgenus *Culex* in the New World (Diptera: Culicidae). *Proc. U.S. Natl. Mus.* 120(3557):1-122.
- Brethes, J. 1904. Insectos de Tucuman. *An. Mus. Nac.*, Buenos Aires 11:336.
- Brethes, J. 1907. Catalogo de los dipteros de las Republicas del Plata. *An. Mus. Nac.*, Buenos Aires 16:282.
- Brethes, J. 1912. Los mosquitos de la Republica Argentina. *Bol. Inst. ent. Patol. Veg.* 1:1-48.
- Brethes, J. 1916a. El *Anopheles albitarsis* F. Lch. A. *Physis*, Buenos Aires 2(10):175-177.
- Brethes, J. 1916b. Algunas notas sobre mosquitos argentinos. *An. Mus. Nac. Hist. Nat.*, Buenos Aires 28:193-218.
- Brethes, J. 1917. Description d'une nouvelle espece de moustique de Buenos Aires. *Physis*, Buenos Aires 3:226-229.
- Brethes, J. 1926a. Contribucion para el conocimiento de los mosquitos argentinos. Descripcion de un nuevo *Megarhinus*: *Megarhinus tucumanus*. *Bol. Inst. Clin. Quirurg.* 2:318-321.
- Brethes, J. 1926b. Description provisoire de deux especes nouvelles d'Anophelinae argentins. *Prensa Med. Arg.* 13(3):106-107.
- Brethes, J. 1926c. Notas sobre los anofelinos argentinos. *Physis*, Buenos Aires 8:305-315.
- Calisher, C. H., T. P. Monath, C. J. Mitchell, M. S. Sabattini, C. B. Cropp, J. Kerschner, A. R. Hunt, and J. S. Laznick. 1985. Arbovirus investigations in Argentina. III. Identification and characterization of viruses isolated 1977-1980, including new subtypes of western and Venezuelan equine encephalitis viruses and four new Bunyaviruses (Las Maloyas, Resistencia, Barranqueras, and Antequera). *Am. J. Trop. Med. Hyg.* 34:956-965.

- Carcavallo, R. U. and A. Martinez. 1968a. Entomoepidemiología de la República Argentina. Capítulo III. Fiebre amarilla, vectores y cadena epidemiológica. *Commun. Cient. Jta. Invest. Cient. Fuerzas Arm. Arg.* 13(1):1-144.
- Carcavallo, R. and A. Martinez. 1968b. Entomoepidemiología de la República Argentina. Capítulo IV. Paludismo y sus transmisores. *Commun. Cient. Jta. Invest. Cient. Fuerzas Arm. Arg.* 13(2):145-341.
- Casal, O. H. 1963. Comentarios a propósito de la revalidación de "*Culex (Melanoconion) clarki*" Evans (Diptera, Culicidae). *Rev. Brasil. Biol.* 23(3):317-320.
- Casal, O. 1964. Ensayos de métodos de conservación de mosquitos para el estudio de su edad fisiológica. *Physis, Buenos Aires* 24(68):453-456.
- Casal, O. H. 1967. *Culex (Culex) ameliae*, una nueva especie de la República Argentina (Diptera, Culicidae). *Neotropica, La Plata* 13(40):29-30.
- Casal, O. H. and M. García. 1966. Una nueva especie de *Wyeomyia (Dendromyia)* de la República Argentina (Diptera, Culicidae). *Physis, Buenos Aires* 26(71):155-162.
- Casal, O. H. and M. García. 1967a. *Culex (Culex) castroi* nueva especie de la República Argentina (Diptera, Culicidae). *Physis, Buenos Aires* 26(73):451-457.
- Casal, O. H. and M. García. 1967b. *Culex (Melanoconion) pavlovskyi*, nueva especie de la República Argentina. *Neotropica, La Plata* 13(40):19-20.
- Casal, O. H. and M. García. 1967c. *Culex (Culex) hepperi* nueva especie del delta bonaerense del río Paraná (Diptera, Culicidae). *Physis, Buenos Aires* 27(74):87-94.
- Casal, O. H. and M. García. 1967 (1968). El subgénero *Culex (Carrollia)* Lutz, 1905, nuevo para la entomofauna argentina (Diptera, Culicidae). *Rev. Soc. ent. Arg.* 30(1-4):97-98.
- Casal, O. H. and M. García. 1968a. *Culex (Culex) eduardoi*, una nueva especie de la República Argentina (Diptera, Culicidae). *Rev. Soc. ent. Arg.* 30(104):105-111.
- Casal, O. H. and M. García. 1968b. *Culex (Allimanta)*, nuevo subgénero para *Culex (Culex) tramazayguesi* Duret, 1954 (Diptera, Culicidae). *Physis, Buenos Aires* 27(75):329-335.
- Casal, O. H. and M. García. 1968c. *Culex (Melanoconion) martinezi*, una nueva especie de la República Argentina (Diptera, Culicidae). *Physis, Buenos Aires* 27(75):455-459.

- Casal, O. H. and M. García. 1968d. *Culex (Melanoconion) dureti*, una especie Argentino-Paraguaya (Diptera, Culicidae). *Physis*, Buenos Aires 28(76):123-125.
- Casal, O. H. and M. García. 1970. Los tipos de tres especies descriptas por Juana Petrocchi (Diptera, Culicidae). *Physis*, Buenos Aires 30(80):11-12.
- Casal, O. H. and M. García. 1971. *Culex (Culex) tatoi*, una nueva especie de la República Argentina (Diptera, Culicidae). *Physis*, Buenos Aires 30(81):631-635.
- Casal, O. H., M. García and F. Cavalieri. 1966. *Culex (Culex) fernandezi*, una nueva especie bromelícola de la República Argentina (Diptera, Culicidae). *Physis*, Buenos Aires 26(71):185-192.
- Casal, O. H., M. García, and H. I. Fernandez. 1968. El subgénero *Culex (Aedinus)* Bourroul, 1904, nuevo para la entomofauna Argentina, con la descripción de una nueva especie (Diptera, Culicidae). *Physis*, Buenos Aires 28(76):217-218.
- Castro, M. 1959 (1960). Notas sobre Culicidae argentinos (Diptera) II- Actualización sistemática, p. 173-176. In: J. F. R. Bejarano, E. Del Ponte and R. N. Orfila (ed.), *Prim. Jour. Entomoepidem. Arg.* 1, Buenos Aires.
- Castro, M. and M. Bressanello. 1952a. *Orthopodomyia sampaioi* Costa Lima, 1935, género y especie nuevos para la Argentina (Dipt. Culic.). *Publ. Inst. Reg. ent. San., Arg.* 1-8:63-67.
- Castro, M. and M. Bressanello. 1952b. Revisión de las especies de "*Taeniorhynchus (Rhynchotaenia)*" (Dipt. Cul.). *Rev. Brasil. Biol.* 12(3):229-246.
- Castro, M. and M. García. 1959 (1960). Notas sobre Culicidae Argentinos (Diptera), p. 599-602. In: J. F. R. Bejarano, E. Del Ponte and R. N. Orfila (ed.), *Prim. Jour. Entomoepidem. Arg.* 2, Buenos Aires.
- Castro, M., M. García and M. D. Bressanello. 1959 (1960). Diptera Culicidae Culicinae, p. 547-562. In: J. F. R. Bejarano, E. Del Ponte and R. N. Orfila (ed.), *Prim. Jour. Entomoepidem. Arg.* 2, Buenos Aires.
- Cerqueira, N. L. 1939. Sobre *Psorophora lutzii*, *albipes* y *forceps*. *Rev. Entomol. (Rio de Janeiro)* 10(1):78-85.
- Cerqueira, N. L. 1943a. Algunas especies novas da Bolivia e referencia a tres especies de *Haemagogus*. *Mem. Inst. Os. Cruz* 39(1):1-14.
- Cerqueira, N. L. 1943b. Lista dos Mosquitos da Bolivia. *Mem. Inst. Os. Cruz* 39(1):15-36.

- Christophers, R. 1962. *Aedes aegypti* (L.), the yellow fever mosquito. Cambridge, Cambridge Univ. Press, 739 p.
- Clark-Gil, S. and R. F. Darsie, Jr. 1983. The mosquitoes of Guatemala, their identification, distribution and bionomics with keys to adult females and larvae in English and Spanish. *Mosq. Syst.* 15(3):151-284.
- Correa, R. R. and G. Ramalho. 1956. Revisao de *Phoniomyia* Theobald, 1903 (Diptera, Culicidae, Sabathini). *Folia Clin. Biol.* 25:1-173.
- Cotrim, M. D., E. A. Bianchi and N. C. B. Von Atzingen. 1974. Redescricao de algumas especies do subgenero *Culex* (Diptera, Culicidae). *Revta. Bras. Ent.* 18(1):9-19.
- Cruz, O. G. 1907. Uma nova especie do genero *Psorophora*. *Brazil-med.* 21:329-330.
- Da Costa Lima, A. 1943. Notas sobre alguns sabetineos. *Ann. Acad. Bras. Sci.* 15:295-308.
- Davis, N. C. 1927. *Anopheles pseudopunctipennis* as a malaria transmitter in Northern Argentine Republic. *Am. J. Trop. Med.* 7:167-176.
- Davis, N. C. 1928. A study of the transmission of filaria in Northern Argentina. *Am. J. Hyg.* 8:457-466.
- Davis, N. C. 1928. Notes on the development of ovarian follicles in Argentine *Anopheles*. *Am. J. Hyg.* 8:467-475.
- Davis, N. C. 1928. A consideration of variability in the *Nyssorhynchus* group of the genus *Anopheles*. *Am. J. Hyg.* 8:539-563.
- Davis, N. C. and R. C. Shannon. 1928a. The blood feeding habits of *Anopheles pseudopunctipennis* in Northern Argentina. *Am. J. Trop. Med.* 8(5):443-447.
- Davis, N. C. and R. C. Shannon. 1928b. The habits of *Anopheles rondoni* in the Argentine Republic. *Am. J. Hyg.* 8:448-466.
- Del Ponte, E. 1928. Nota previa sobre la bibliografia argentina y extranjera sobre los mosquitos argentinos y de su relacion con el paludismo. *Rev. Soc. ent. Arg.* 2(7):81-94.
- Del Ponte, E. 1931. *Anopheles* du haut Parana. *C. R. Soc. Biol. Fil.* 106(5):393.
- Del Ponte, E. 1939. Observaciones sobre *Anopheles pseudopunctipennis* en la Mendieta, Provincia de Jujuy. *Rev. Inst. Bacteriol., Buenos Aires* 9(2):149-155.



- Del Ponte, E. 1940a. Error de información sobre la existencia del *Anopheles pseudopunctipennis* en los territorios de Misiones y Chaco. Rev. Inst. Bacteriol., Buenos Aires. 9(4):443.
- Del Ponte, E. 1940b. Descripción de la terminalia macho de *Anopheles annulipalpis* L. Arr. (Dipt. Culicidae). Rev. Inst. Bacteriol., Buenos Aires 9(5):602-603.
- Del Ponte, E. 1940c. Tres especies *Anopheles* (Dip. Cul.) nuevas para la gobernación de Misiones. Rev. Inst. Bacteriol., Buenos Aires 9(4):445-447.
- Del Ponte, E. 1943. Estudios sobre el paludismo del Litoral argentino. Rev. Inst. Bacteriol., Buenos Aires 11(4):469-509.
- Del Ponte, E. 1958. Manual de Entomología Médica y Veterinaria Argentinas. Librería Colegio, Buenos Aires, 349 p.
- Del Ponte, E. y Blaksley, J. C. 1947. Importancia sanitaria de los culicidos de la ciudad de Buenos Aires. Prensa Med. Arg. 34:821-824.
- Del Ponte, E. and M. P. Castro. 1951. *Aedes* y *Psorophora* (Dipt. Culicidae) hallados en un barco extranjero en el puerto de La Plata (Prov. de Buenos Aires). Physis, Buenos Aires 20(58):263-270.
- Del Ponte, E. and M. Castro. 1952. Las especies argentinas de *Psorophora* (*Psorophora*) (Dipt. Culic.). Rev. Soc. ent. Arg. 15:211-230.
- Del Ponte, E., M. Castro and M. Garcia. 1951. Clave para las especies de *Psorophora* y *Aedes* de la Argentina y comarcas vecinas. Diagnósis de *Aedes* (*O.*) *raymondi* n. sp. (Diptera, Culicidae). An. Soc. Cient. Arg., Buenos Aires 151:228-243.
- Del Ponte, E., and R. L. Heredia. 1945. *Anopheles* (*Anopheles*) *holmbergi* n. sp. de Misiones (Argentina) (Diptera Culicidae). Rev. Soc. ent. Arg. 12(5):382-386.
- Duret, J. P. 1949a. Lista de los mosquitos del Gran Buenos Aires. Rev. San. Mil. Arg. 48(1):122-124.
- Duret, J. P. 1949b. Algunos culicidos nuevos para la República Argentina. Rev. San. Mil. Arg. 48:449-451.
- Duret, J. P. 1950a. Lista de los mosquitos de la República Argentina. Rev. Soc. ent. Arg. 14(5):297-318.
- Duret, J. P. 1950b. Cuatro mosquitos nuevos para la República Argentina. Rev. San. Mil. Arg., 49(3):230-233.

- Duret, J. P. 1950c. Contribución al conocimiento de la distribución geográfica de los culicidos argentinos. Parte I. (Diptera-Culicidae) Rev. San. Mil. Arg. 49(4):363-380.
- Duret, J. P. 1951a. Contribución al conocimiento de la distribución geográfica de los culicidos argentinos (Diptera-Culicidae). Parte II. Rev. San. Mil. Arg. 50:64-72.
- Duret, J. P. 1951b. Contribución al conocimiento de la distribución geográfica de los culicidos Argentinos. (Diptera-Culicidae). Parte III. Rev. San. Mil. Arg. 50(2):211-117.
- Duret, J. P. 1951c. Contribución al conocimiento de la distribución geográfica de los culicidos Argentinos. (Diptera-Culicidae). Parte IV. Rev. San. Mil. Arg. 50(3):372-388.
- Duret, J. P. 1952. Nueva contribución al conocimiento de la distribución geográfica de los culicidos argentinos. Rev. San. Mil. Arg. 51:345-356.
- Duret, J. P. 1953a. Las especies argentinas de *Culex (Melanoconion)* (Diptera-Culicidae). I. Introduccion. Rev. Soc. ent. Arg. 16(3):67-76.
- Duret, J. P. 1953b. Notas sobre *Culex* argentinos. (Diptera-Culicidae). Rev. San. Mil. Arg. 52(2):272-278.
- Duret, J. P. 1954a. Nuevo mosquito argentino. (Diptera, Culicidae). Neotropica, La Plata 1(2):23-26.
- Duret, J. P. 1954b. Las especies argentinas de *Culex (Melanoconion)* (Diptera-Culicidae). VII. Descripción de los *Culex (Melanoconion)* argentinos. Rev. Soc. ent. Arg. 16:99-121.
- Duret, J. 1954c. Datos sobre culicidos de la region Cuyana (Diptera-Culicidae). Rev. San. Mil. Arg. 53(3):412-413.
- Duret, J. P. 1968. Dos especies nuevas de *Culex (Culex)* de la Argentina (Diptera-Culicidae). Physis, Buenos Aires 27(75):323-328.
- Duret, J. P. 1969. Contribución al conocimiento de los *Culex* del Paraguay (Diptera-Culicidae). Rev. Soc. ent. Arg. 31(1-4):3-13.
- Dyar, H. G. 1918. A revision of the American species of *Culex* on the male genitalia (Diptera, Culicidae). Insecut. Inscit. Menstr. 6:86-111.
- Dyar, H. G. 1919. A note on Argentine mosquitoes (Diptera, Culicidae). Insecut. Inscit. Menstr. 7(4-6):85-89.
- Dyar, H. G. 1921. The mosquitoes of Argentina (Diptera, Culicidae). Insecut. Inscit. Menstr. 9(7-9):148-150.

- Dyar, H. G. 1922a. The American *Aedes* of the *serratus* group. Insecut. Inscit. Menstr. 10:157-166.
- Dyar, H. G. 1922b. The species of *Psorophora* of the *ciliata* group. Insecut. Inscit. Menstr. 10:113-117.
- Dyar, H. G. 1922c. Notes on tropical American mosquitoes. Insecut. Inscit. Menstr. 10:188-196.
- Dyar, H. G. 1922d. The American *Aedes* of the *scapularis* group (Diptera, Culicidae). Insecut. Inscit. Menstr. 10(4-6):51-60.
- Dyar, H. G. 1923. The mosquitoes of Panama. Insecut. Inscit. Menstr. 11:167-186.
- Dyar, H. G. 1924. Mosquitoes from Chile (Diptera, Culicidae). Insecut. Inscit. Menstr. 12(7-9):128-131.
- Dyar, H. G. 1925. The mosquitoes of Panama (Diptera, Culicidae). Insecut. Inscit. Menstr. 13(7-9):101-195.
- Dyar, H. G. 1928. The mosquitoes of the Americas. Publ. No. 387, Carnegie Inst. Washington, Washington, D. C., 616 p.
- Dyar, H. G. and F. Knab. 1906. Diagnoses of new species of mosquitoes. Proc. Biol. Soc. Wash. 19:133-142.
- Dyar, H. G. and R. C. Shannon. 1924. The subfamilies, tribes and genera of American Culicidae. J. Wash. Acad. Sci. 14:472-486.
- Edwards, F. W. 1922. Mosquito notes. III. On a collection of mosquitoes from Paraguay. Bull. Entomol. Res. 13(1):75-102.
- Edwards, F. W. 1930. Diptera of Patagonia and South Chile based mainly on material in the British Museum (Natural History). Part II. Fascicle 3. Bibionidae, Scatopsidae, Cecidomyiidae, Culicidae, Thaumaleidae (Orphnephilidae), Anisopodidae (Rhyphidae). British Mus. (Nat. Hist.), London, p. 77-119.
- Edwards, F. W. 1932. Diptera Family Culicidae. In: P. Wytzman, Genera Insectorium, Brussels, Fasc. 194, 258 p.
- Faran, M. E. 1980. Mosquito studies (Diptera, Culicidae). XXXIX. A revision of the Albimanus Section of the subgenus *Nyssorhynchus* of *Anopheles*. Contr. Am. Ent. Inst. 15(7):1-215.
- Faran, M. E. 1981. Synonymy of *Anopheles* (*Nyssorhynchus*) *noroestensis* with *An. (Nys.) evansi* (Diptera: Culicidae). Mosq. Syst. 13(1):86-91.

- Faran, M. E. and K. J. Linthicum. 1981. A handbook of the Amazonian species of *Anopheles* (*Nyssorhynchus*) (Diptera: Culicidae). *Mosq. Syst.* 13:1-81.
- Foote, R. H. 1954. The larvae and pupae of the mosquitoes belonging to the *Culex* subgenera *Melanoconion* and *Mochlostyrax*. U.S. Dept. Agri. Tech. Bull. 1091:1-126.
- Foote, R. H. and D. R. Cook. 1959. Mosquitoes of medical importance. U. S. Dept. Agri., Agri. Handbook No. 152, 158 p.
- Forattini, O. P. 1962. Entomologica medica. 1' volume. Parte geral, Diptera, Anophelini. Fac. Hig. Saude Publ., Dep. Parasitol., Sao Paulo, 662 p.
- Forattini, O. P. 1965a. Entomologica medica. 2' volume. Culicini: *Culex*, *Aedes* y *Psorophora*. Edit. Univ. Sao Paulo, 506 p.
- Forattini, O. P. 1965b. Entomologia medica. 3' volume. Culicini: *Haemagogus*, *Mansonia*, *Culiseta*. Sabethini. Toxorhynchitini. Arboviruses. Filariose bancroftiana. Genetica. Edit. Univ. Sao Paulo, 416 p.
- Forattini, O. P., E. X. Rabello, and M. D. Cotrim. 1970. Catalogo das colecoes entomologicas da Faculdade de Saude Publica da Universidade de Sao Paulo (1.<sup>a</sup> Serie). Culicidae. *Rev. Saude Publ. S. Paulo* Vol. 4, Serie Monografica No. 1, p. 1-100.
- Forattini, O. P., E. X. Rabello, and M. D. Cotrim. 1973. Catalogo das colecoes entomologicas da faculdade de Saude Publica da Universidade de Sao Paulo - (2.<sup>a</sup>) Serie 1). Culicidae. *Rev. Saude Publ., S. Paulo* 7:453-479.
- Forattini, O. P., E. X. Rabello, and D. Pattoli. 1960. Notas sobre Culicidae (Diptera). 3. As larvas e as pupas de *Wyeomyia* (*W.*) *limai* Lane e Cerqueira, 1942 e de *W.* (*D.*) *personata* (Lutz, 1904). *Arch. Fac. Hig. Saude Publ. S. Paulo* 14:95-109.
- Galindo, P., F. S. Blanton and E. L. Peyton. 1954. A revision of the *Uranotaenia* of Panama with notes on other American species of the genus (Diptera, Culicidae). *Ann. Entomol. Soc. Am.* 47:107-177.
- Galindo, P., S. J. Carpenter and H. Trapido. 1952. The taxonomic status of the *Aedes leucocelaenus* complex with descriptions of two new forms (Diptera, Culicidae). *Ann. Entomol. Soc. Am.* 45(4):529-542.
- Galvao, A. L. Ayroza. 1940. Contribuicao ao conhecimento dos anofelinos do grupo *Nyssorhynchus* de Sao Paulo et Regioes vizinhas. *Arq. Zool. Est.* Sao Paulo 1:399-484.

- Galvao, A. L. Ayroza. 1941. Contribuicao ao conhecimento das especies de *Myzorhynchella*. Arq. Zool. Est. Sao Paulo 2:505-576.
- García, M. and O. H. Casal. 1964 (1965). Descripción de tres pupas de mosquitos Neotropicales (Diptera, Culicidae). Rev. Soc. ent. Arg. 27(1-4):5-10.
- García, M. and O. H. Casal. 1965. Culicidae (Diptera) del Delta del Paraná II. Apuntes sistemáticos y biológicos. Delta Paraná 5(8):5-16.
- García, M. and O. H. Casal. 1966. *Anopheles (Anopheles) tibiamaculatus* (Neiva) nuevo para la entomofauna argentina. (Diptera, Culicidae). Physis, Buenos Aires 26(71):206.
- García, M. and O. H. Casal. 1967. *Toxorhynchites (Lynchiella) cavalierii* nueva especie bromelícola de la República Argentina (Diptera, Culicidae). Physis, Buenos Aires 26(73):435-441.
- García, M. and O. H. Casal. 1968a. *Sabethes (Sabethinus) melanonymphe*; *Wyeomyia (W.) sabethea* y *W. (Dendromyia) aporonoma*, nuevas para la entomofauna Argentina. (Diptera, Culicidae). Rev. Soc. ent. Arg. 30(1-4):61-63.
- García, M. and O. H. Casal. 1968b. Siete especies de Culicidae (Diptera) nuevas para la entomofauna argentina. Physis, Buenos Aires 28(76):107-109.
- García, M. and R. A. Ronderos. 1962. Mosquitos de la República Argentina I. Tribu Anophelini (Diptera-Culicidae-Culicinae). An. Com. Invest. Cient. Prov. Buenos Aires 3:103-212.
- García, M. and R. A. Ronderos. 1962 (1963). Sobre la validez de *Aedes (Ochlerotatus) patersoni* Shannon y Del Ponte, 1927 (Diptera-Culicidae). Rev. Soc. ent. Arg. 25:29-33.
- Gorham, J. R., C. J. Stojanovich and H. G. Scott. 1967. Clave ilustrada para los mosquitos anofelinos de Sudamérica oriental. U.S. Public Health Service. Commun. Disease Center, Atlanta, Georgia. 64 p.
- Guedes, A. S. and M. A. Souza. 1964. Sobre *Psorophora (Janthinosoma) albigena* Lutz, 1908 e *Psorophora (Janthinosoma) albipes* (Theobald, 1907) (Diptera, Culicidae). Rev. Bras. Malariol. Doencas Trop. 16:471-486.
- Guedes, A. S., M. A. Souza, C. S. Maciel, e S. H. Xavier. 1965. Catalogo ilustrado dos mosquitos da colecao do Instituto Nacional de Endemas Rurais. Rev. Braz. Malariol. Docenas Trop. 17:3-24.
- Hack, W. H., G. J. Torales, M. E. Bar and B. Oscherov. 1978. Observaciones etologicas sobre culícidos de Corrientes. Rev. Soc. ent. Arg. 37(1-4):137-151.

- Hackett, L. W. 1945. The malaria of the Andean region of South America. Rev. Inst. Salubr. Enferm. Trop. (Mex) 6(4):239-252.
- Harbach, R. E. and K. L. Knight. 1980. Taxonomists' glossary of mosquito anatomy. Marlton, Plexus Publ., Inc., 415 p.
- Harbach, R. E., E. L. Peyton, and B. A. Harrison. 1984. A new species of *Culex* (*Melanoconion*) from Southern South America (Diptera: Culicidae). Mosq. Syst. 16(2):185-200.
- Harbach, R. E., E. L. Peyton, and W. L. Jakob. 1983. Synonymy of *Culex* (*Culex*) *oswaldoi* with *Culex* (*Culex*) *maxi* (Diptera, Culicidae). Mosq. Syst. 15(4):310-317.
- Knight, K. L. 1978. Supplement to a catalog of the mosquitoes of the world. Thomas Say Foundation, Entomol. Soc. Am., Suppl. vol. 6, 107 p.
- Knight, K. L. and A. Stone. 1977. A catalog of the mosquitoes of the world (Diptera: Culicidae), 2nd ed. Thomas Say Foundation, Entomol. Soc. Am. 6:1-611.
- Komp, W. H. H. 1942. The anopheline mosquitoes of the Caribbean Region. Nat. Inst. Hlth. Bull. no. 179, 195 pages.
- Komp, W. H. W. 1943. *Anopheles clarki*, a new species of *Nyssorhynchus* of wide distribution in South America (Diptera: Culicidae). Proc. Ent. Soc. Wash. 44:196-201.
- Komp, W. H. W. 1949. *Aedes* (*Ochlerotatus*) *nubilus* Theobald, 1903 a synonym of *Aedes* (*Ochlerotatus*) *serratus* Theobald, 1901 (Diptera, Culicidae). Proc. Ent. Soc. Wash. 51:105-114.
- Kraus, R. 1916. Uber die Feststellung der Dengue in Argentinien. Dtsch. Med. Wschr. 42(43):1314-1315.
- Kumm, H. W. 1929. The geographical distribution of the malaria carrying mosquitoes. A collection of recorded material in the literature and in personal communications to the author. Am. J. Hyg. Monog. Ser., no. 10. 178 p.
- Kumm, H. W. 1931. The geographical distribution of the yellow fever vectors. A compilation of material recorded in the literature, unpublished communications and certain collections made by the author in Nigeria, West Africa. Am. J. Hyg. Monogr. Ser., No. 12. 110 p.
- Kumm, H. W., E. Osorno-Mesa and J. Boshell-Manrique. 1946. Studies on mosquitoes of the genus *Haemagogus* in Colombia (Diptera, Culicidae). Am. J. Hyg. 43(1):13-28.

- Lahille, F. 1912. Sobre un *Anopheles*, una *Stegomyia* y la notación de las nevaduras alares de los mosquitos. An. Mus. Nac. Hist. Nat., Buenos Aires 23:253-63.
- Lane, J. 1939. Catalogo dos mosquitos Neotropicos. Bol. Biol. Ser. Monog. Club Zool. Brasil. No. 1:1-218.
- Lane, J. 1943. Sobre o género *Uranotaenia*. Rev. Ent. 14(1-2):137-166.
- Lane, J. 1945. Addenda y corrigenda a os sabetineos da America. Rev. Ent. 16(2):132-157.
- Lane, J. 1951. Synonymy of neotropical Culicidae (Diptera). Proc. Ent. Soc. Wash. 53:333-336.
- Lane, J. 1953. Neotropical Culicidae. Vol. I, II. Univ. Sao Paulo, Brasil. 1112 p.
- Lane, J. and N. L. Cerqueira. 1942. Os sabetineos da America (Diptera, Culicidae). Arq. Zool. 3:473-849.
- Lane, J. and J. O. Coutinho. 1940. *Mansonia* subgenero *Rhynchotaenia*: descricao de duas especies novas e dados sobre o subgenero. Rev. Entomol. 11(1-2):589-597.
- Levi-Castillo, R. 1949. Atlas de los anofelinos sudamericanos. Guayaquil. 207 p.
- Levi-Castillo, R. 1951. Los Mosquitos del género *Haemagogus*-Williston, 1896 en América del Sur. Editorial "Don Bosco" Cuenca, Ecuador. p. 1-76.
- Lutz, A., H. C. de Souza Araujo and O. da Fonseca. 1918. Viagem scientifica no Rio Parana e a Asuncion com Volta por Buenos Aires, Montevideo e Rio Grande. Mem. Inst. Os. Cruz. 10(2):104-173.
- Lynch Arribalzaga, F. 1878. Descripción de tres nuevos Culicidae de Buenos Aires. Nat. Arg. 1:149-152.
- Lynch Arribalzaga, F. 1883. Catálogo de los dípteros hasta ahora descriptos que se encuentran en las Repúblicas del Plata. Bol. Acad. Nac. Cienc., Cordoba, 4:109-152.
- Lynch Arribalzaga, F. 1891. Dipterología argentina. Culicidae. Rev. Mus. La Plata, Vol. 1, p. 345-375; Vol. 2, p. 133-174.
- Manso Soto, A. E. and A. Martínez. 1948. Estudios sobre mosquitos de la ciudad de Buenos Aires. Misión Estud. Patol. Reg. Arg. 19(73):39-49.
- Manso Soto, A. E. and A. Martínez. 1949a. Estudios sobre mosquitos de la ciudad de Buenos Aires. Misión Estud. Patol. Reg. Arg. 20(75):53-61.

- Manso Soto, A. E. and A. Martínez. 1949b. Algunas capturas de mosquitos en el Territorio de Formosa. *Misión Estud. Patol. Reg. Arg.* 20(76):73-87.
- Manso Soto, A. E., A. Martínez, and A. F. Prosen. 1953. Distribución geográfica de *Haemagogus* spp. y *Aedes (Gualteria) leucocaelenus* en Argentina y Bolivia según materiales de M.E.P.R.A. *Misión Estud. Patol. Reg. Arg.* 24(83-89):33-41.
- Martínez, A. 1949. Nota sobre un Sabethini encontrado en los alrededores de Buenos Aires. *Misión Estud. Patol. Reg. Arg.* 20(76):43-44.
- Martínez A. 1950a. Algunas capturas de mosquitos en la localidad y alrededores de Pocitos en la Provincia de Salta. *Misión Estud. Patol. Reg. Arg.* 21(77):55-63.
- Martínez, A. 1950b. Algunos Culicidae nuevos o poco conocidos para las entomofaunas de Argentina, Bolivia y Paraguay. *Misión Estud. Patol. Reg. Arg.* 21(78):33-41.
- Martínez, A., and R. U. Carcavallo. 1965. Notes au sujet de Culicidae Sudaméricains. La distribution du genre *Haemagogus* Williston, 1896, en Amerique du Sud. *Cah. O.R.S.T.O.M. Entomol. Med.* 3-4:39-45.
- Martínez, A., R. U. Carcavallo and A. F. Prosen. 1961a. El género *Haemagogus* Williston 1896, en la Argentina. *An. Inst. Med. Reg., Resistencia* 5(2):63-86.
- Martínez, A., R. U. Carcavallo and A. F. Prosen. 1961b. Una nueva especie de *Culex* para la Argentina. *An. Inst. Med. Reg., Resistencia* 5(3):117-123.
- Martínez, A. and A. F. Prosen. 1951. Algunos mosquitos de General Belgrano en Misiones. *Misión Estud. Patol. Reg. Arg.* 22(80):37-43.
- Martínez, A. and A. F. Prosen. 1953a. Una especie nueva de *Uranotaenia* (Dipt. Culic.) de Argentina. *Bol. Soc. ent. Arg.* 2:4.
- Martínez, A. and A. F. Prosen. 1953b. Una nueva especie de mosquito de la Argentina. *Misión Estud. Patol. Reg. Arg. (Jujuy)* 1:1-2.
- Martínez, A. and A. F. Prosen. 1953c. Nuevos culcídidos para las entomofaunas de Argentina, Bolivia y Paraguay. *Misión Estud. Patol. Reg. Arg.* 24(83-84):27-32, also *In*: J. F. R. Bejarano, E. Del Ponte and R. N Orfila (ed.) 1959 (1960). *Prim. Jorn. Entomoepidem. Arg.* 2, Buenos Aires, p. 603-607.
- Martínez, A. and A. F. Prosen. 1955. Las especies de *Aedes (Howardina)* de Argentina y Bolivia (Diptera, Culicidae). *Misión Estud. Patol. Reg. Arg.* 26(85-86): 21-42.



- Martinez, A., A. F. Prosen and R. U. Carcavallo. 1959. Algunos culicidos interesantes de la R. Argentina (Diptera, Culicidae). An. Inst. Med. Reg., Resistencia 5(1):109-120.
- Martinez, A., A. F. Prosen and R. U. Carcavallo. 1964. El alotipo macho de *Aedes (Howardina) aurivittatus* Cerqueira. An. Inst. Med. Reg., Resistencia 6(1/2):53-58.
- Martini, E. 1931a. Die Ausbeute der deutschen Chaco-Expedition 1925/26. Diptera. (Fortsetzung). XXV. Culicidae. Konowia 10(2):116-120.
- Martini, E. 1931b. Uber einige sudamerikanische Culiciden. Rev. Ent. 1:199-218.
- Mauri, R. and H. Hepper. 1966. Acaros (Hydrachnellae) asociados a culicidos. Rev. Soc. ent. Arg. 29(1-4):9-10.
- Mayer, H., A. Prosen and I. Alcaraz. 1961. Determinacion de fuentes alimentarias de algunos Culicidae. An. Inst. Med. Reg. 5(3):7-13.
- Mitchell, C. J., R. F. Darsie, Jr. and T. P. Monath. 1984. Occurrence of autogenous *Culex pipiens* Linnaeus 1758, (Diptera:Culicidae) in Argentina and notes on distribution of the complex. Mosq. Syst. 16(4):308-316.
- Mitchell, C. J., R. F. Darsie, Jr., T. P. Monath, M. S. Sabattini, and J. Daffner. 1985a. The use of an animal-baited net trap for collecting mosquitoes during western equine encephalitis investigations in Argentina. J. Am. Mosq. Control Assoc. 1:43-47.
- Mitchell, C. J., T. P. Monath and M. S. Sabattini. 1980. Transmission of St. Louis encephalitis virus from Argentina by mosquitoes of the *Culex pipiens* (Diptera: Culicidae) complex. J. Med. Entomol. 17(3):282-285.
- Mitchell, C. J., T. P. Monath, M. S. Sabattini, C. B. Cropp, J. F. Daffner, C. H. Calisher, and H. A. Christensen. 1985b. Arbovirus investigations in Argentina II. Arthropod collections and virus isolations from mosquitoes, 1977-1980. Am. J. Trop. Med. Hyg. 34:945-955.
- Monath, T. P., M. S. Sabattini, R. Pauli, J. Daffner, C. J. Mitchell, G. S. Bowen, and C. B. Cropp. 1985. Arbovirus investigations in Argentina IV. Serological surveys and sentinel equine program. Am. J. Trop. Med. Hyg. 34:966-975.
- Muhlens, P., R. L. Dios, J. Petrocchi and J. A. Zuccarini. 1925. Estudios sobre el paludismo y hematologia en el norte argentino. Rev. Inst. Bacteriol., Buenos Aires. 4(3):207-357.
- Neiva, A. y Barbara, B. 1916. Estudio de algunos anofelinos argentinos y su relacion con la malaria. Prens. Med. Arg. 2(19):257-259.

- Paterson, G. 1911. Las fiebres palúdicas en Jujuy. An. Dto. Nac. Hig., Buenos Aires 18(2):31-56; (3):5-26.
- Paterson, G. C. and R. C. Shannon. 1927. Mosquitos de Embarcación (Salta) con notas sobre la zona biológica del Chaco (Chaco Life Zone). Ter. Reun. Soc. Arg. Patol. Reg. Norte, Tucuman, p. 1273-1282.
- Petrocchi, J. 1923a. Estado actual de la sistemática de las Culicinas en la República Argentina. Rev. Inst. Bacteriol. Dto. Nac. Hig., Buenos Aires 3:83-93.
- Petrocchi, J. 1923b. Las especies argentinas del genero *Anopheles*. Physis, Buenos Aires 7:139.
- Petrocchi, J. 1925a. Descripción de un nuevo *Anopheles*. Rev. Inst. Bacteriol., Buenos Aires. 4:69-75.
- Petrocchi, J. 1925b. Contribución al estudio de los *Culicinae* de la República Argentina. Rev. Inst. Bacteriol., Buenos Aires 4(2):98-104.
- Petrocchi, J. 1925c. Estudios sobre paludismo y hematología en el norte argentino. Rev. Inst. Bacteriol., Buenos Aires 4(3):244-270.
- Petrocchi, J. 1927. Cuatro notas sobre especies nuevas de dípteros nematoceros, hematófagos o no, de la República Argentina. Rev. Inst. Bacteriol. Dto. Nac. Hig., Buenos Aires 4:724-742.
- Peyton, E. L., D. R. Roberts, F. P. Pinheiro, R. Vargas, and F. Balderama. 1983. Mosquito collections from a remote unstudied area of southeastern Bolivia. Mosq. Syst. 15(2):61-89.
- Prosen, A. F. and A. Martínez. 1953. Una interesante especie de *Uranotaenia* (Diptera-Culicidae). Misión Estud. Patol. Region. Arg. 24(83-84):43-46.
- Prosen, A. F., A. Martínez and R. U. Carcavallo. 1960. La familia Culicidae (Diptera) en la ribera fluvial de la Provincia de Buenos Aires. An. Inst. Med. Reg., Resistencia 5(2):101-113.
- Romana, C. 1941. Observaciones sobre la epidemia de malaria 1939-40 en Resistencia, Chaco y alrededores. Sem. Med. (5):257-261.
- Ronderos, R. 1965. Consideraciones sobre el complejo *haemorrhoidalis*, con la descripción de la pupa de *Lynchiella superba* (Dyar y Knab) (Diptera, Culicidae, Toxorhynchitini). Notas Com. Invest. Cient. Prov. Buenos Aires 3(1):1-11.
- Ronderos, R. A. and A. O. Bachmann. 1962 (1963). A propósito del complejo *Mansonia* (Diptera-Culicidae). Rev. Soc. ent. Arg. 25:43-51.

- Ronderos, R. A. and A. O. Bachmann. 1963. *Mansoniini Neotropicales*. I. (Diptera-Culicidae). *Rev. Soc. ent. Arg.* 26:57-65.
- Ronderos, R. A. and A. O. Bachmann. 1964. *Mansoniini neotropicales II* (Diptera, Culicidae). *Notas Com. Invest. Cient. Prov. Buenos Aires* 2(6):1-8.
- Ronderos, R. A. and M. Garcia. 1962a (1963). *Descripcion de pupas de Aedes argentinos* (Diptera-Culicidae). *Rev. Soc. ent. Arg.* 25(1-4):35-37.
- Ronderos, R. A. and M. Garcia. 1962b (1963). *Nota sinonimica en Culicidae* (Diptera). *Rev. Soc. ent. Arg.* 25(1-4):38.
- Rozeboom, L. E. and W. H. W. Komp. 1950. A review of the species of *Culex* of the subgenus *Melanoconion* (Diptera: Culicidae). *Ann. Ent. Soc. Am.* 43(1):75-114
- Russell, P. F., L. E. Rozeboom and A. Stone. 1943. Keys to the Anopheline mosquitoes of the world with notes on their identification, distribution, biology, and relation to malaria. *Am. Ent. Soc., Philadelphia, PA.*, 152 p.
- Sabattini, M. S., T. P. Monath, C. J. Mitchell, J. F. Daffner, G. S. Bowen, R. Pauli, and M. S. Contingiani. 1985. Arbovirus investigations in Argentina. I. Historical aspects and description of study sites. *Am. J. Trop. Med. Hyg.* 34:937-944.
- Schick, R. X. 1970a. Mosquito studies (Diptera, Culicidae) XX. The *terrens* group of *Aedes* (*Finlaya*). *Contr. Am. Ent. Inst.* 5(3):1-158.
- Schick, R. X. 1970b. Mosquito studies (Diptera, Culicidae) XXIII. Additions and corrections to the revision of the *Aedes terrenis* group. *Contr. Am. Ent. Inst.* 7(1):13-40.
- Shannon, R. C. 1930a. List of species of Argentine Culicidae. *Sexta Reun. Soc. Arg. Patol. Reg. Norte*, p. 494-500.
- Shannon, R. C. 1930b. Observations on *Anopheles pseudopunctipennis* in Peru. *Am. J. Hyg.* 12(2):442-448.
- Shannon, R. C. 1931. On the classification of Brazilian Culicidae with special reference to those capable of harboring the yellow fever virus. *Proc. Ent. Soc. Wash.* 33(6):125-164.
- Shannon, R. C. and N. C. Davis. 1927. Condiciones de reproduccion de *Anopheles pseudopunctipennis* en la Provincia de Tucuman durante la estacion seca. *Rev. Inst. Bacteriol., Buenos Aires.* 4(7):662-678.
- Shannon, R. C., N. C. Davis and E. Del Ponte. 1927. La distribucion del *Anopheles pseudopunctipennis* y su relacion con el paludismo en la Argentina. *Rev. Inst. Bacteriol. Buenos Aires* 4(7):679-705.

- Shannon, R. C. and E. Del Ponte. 1927a. Informe de una investigación preliminar sobre los *Anopheles* del río Alto Parana en la Argentina. Rev. Inst. Bacteriol., Buenos Aires 4:706-723.
- Shannon, R. C. and E. Del Ponte. 1927b. Cuatro notas sobre especies nuevas de Dípteros Nematoceros, hematófagos o no, de la República Argentina. Rev. Inst. Bacteriol., Buenos Aires. 4(7):724-736.
- Shannon, R. C. and E. Del Ponte. 1927 (1928). Los culícidos en la Argentina. Rev. Inst. Bacteriol. Buenos Aires 5(1):29-140.
- Sirivanakarn, S. 1982. A review of the systematics and a proposed scheme of internal classification of the new world subgenus *Melanoconion* of *Culex* (Diptera, Culicidae). Mosq. Syst. 14(4):265-333.
- Sirivanakarn, S. and J. N. Belkin. 1980. The identity of *Culex* (*Melanoconion*) *taeniopus*. Dyar and Knab and related species with notes on the synonymy and description of a new species (Diptera, Culicidae). Mosq. Syst. 12(1):7-24.
- Sirivanakarn, S. and W. L. Jakob. 1981. Notes on the distribution of *Culex* (*Melanoconion*) mosquitoes in northeastern Argentina (Diptera: Culicidae). Mosq. Syst. 13(2):195-200.
- Steffan, W. A. 1977. Source of type material of *Toxorhynchites* (Diptera: Culicidae). Mosq. Syst. 9:58-72.
- Stone, A. 1944. Notes on the genus *Trichoprosopon* (Diptera, Culicidae). Rev. Ent. 15:335-241.
- Stone, A. 1956 (1957). Corrections in the taxonomy and nomenclature of mosquitoes (Diptera, Culicidae). Proc. Ent. Soc. Wash. 58:333-344.
- Stone, A. 1967. Notes on *Psorophora lineata* (Humboldt) and *P. saeva* Dyar and Knab (Diptera, Culicidae). Rev. Bras. Entomol. 12:59-65.
- Stone, A., K. L. Knight and H. Starcke. 1959. A synoptic catalog of the mosquitoes of the world (Diptera, Culicidae). Thomas Say Foundation Vol. VI, 358 p.
- Stuardo, C. 1946. Catálogo de los Dípteros de Chile. Ministerio de Agricultura, Santiago, Chile. 250 p.
- Tonn, R. J., R. Figueredo and L. J. Uribe. 1982. *Aedes aegypti*, yellow fever and dengue in the Americas. Mosq. News 42(4):497-501.
- Torales, G. J., W. H. Hack and B. Turn. 1972. Criaderos de culícidos en bromeliáceas de NW de Corrientes. Acta Zool. Lilloana 29:293-308.

- Travis, B. V. and R. M. Labadan. 1967. Arthropods of medical importance in Latin America. U.S. Army, Natick Lab., Tech. Rpt. 68-30-ES Part I, p. 1-215.
- Umana, A. C., R. L. Heredia and J. C. Siquot. 1959 (1960). Estudios sobre el *Anopheles (N.) albitarsis* en la Argentina (Nota previa), p. 609-618. In: J. F. R. Bejarano, E. Del Ponte and R. N. Orfila (ed.), Prim. Jour. Entomoeidem. Arg. 2, Buenos Aires.
- Valencia, J. D. 1973. Mosquito studies (Diptera, Culicidae) XXXI. A revision of the subgenus *Carroliia* of *Culex*. Contr. Am. Ent. Inst. 9(4):1-134.
- Vargas, L. 1945. Consideraciones sobre el complejo del *Anopheles pseudopunctipennis*. Rev. Inst. Salubr. Enferm. Trop. (Mex.) 6(4):265-270.
- Vargas, L. 1972. Clave para identificar géneros de mosquitos de las Americas usando caracteres de las hembras. Bol. Inform. Dir. Malariol. Saneam. Ambient. 12(4-5):204-206.
- Vargas, L. 1974. Bilingual key to the New World genera of mosquitoes (Diptera: Culicidae) based upon the fourth stage larvae. Calif. Vector Views 21(5):15-18.
- Vargas, L., S. G. Casis and W. C. Earle. 1941. *Anopheles pseudopunctipennis*, Theobald, a vector of malaria in Mexico. Am. J. Trop. Med. 21(6):779-788.
- Villa, L. J., C. Blind, and A. E. M. Vega. 1962. Transmisión del virus de encefalomiелitis equina oeste de pollito a pollito por el *Culex pipiens* (Say). Rev. Invest. Ganaderas, INTA, 11:97-103.
- Ward, R. A. 1977. Culicidae. p. 268-74. In: S. H. Hurlbert, ed., Biota Acuatica de Sudamerica Austral. San Diego State Univ., San Diego, Calif., 342 p.
- Ward, R. A. 1984. Second supplement to "A Catalog of the Mosquitoes of the World" (Diptera: Culicidae). Mosq. Syst. 16(3):227-270.
- Xavier, S. H. 1967. Descriçao de larva e da pupa de *Aedes (Ochlerotatus) oligopistus* Dyar, 1918 (Diptera, Culicidae). Revta Bras. Malariol. Doenc. Trop. 17:227-230.
- Zavortink, T. J. 1968. Mosquito studies (Diptera, Culicidae) VIII. A prodrome of the genus *Orthopodomyia*. Contr. Am. Ent. Inst. 3(2):1-221.
- Zavortink, T. J. 1972. Mosquito studies (Diptera, Culicidae) XXVIII. The New World species formerly placed in *Aedes (Finlaya)*. Contr. Am. Entomol. Inst. 8(3):1-206.

- Zavortink, T. J. 1973. Mosquito studies (Diptera, Culicidae) XXIX. A review of the subgenus *Kerteszia* of *Anopheles*. Contr. Am. Entomol. Inst. 9(3):1-54.
- Zavortink, T. J. 1979a. Mosquito studies (Diptera, Culicidae). XXXV. The new sabethine genus *Johnbelkinia* and a preliminary reclassification of the composite genus *Trichoprosopon*. Contr. Am. Entomol. Inst. 17(1):1-61.
- Zavortink, T. J. 1979b. A reclassification of the Sabethine genus *Trichoprosopon*. Mosq. Syst. 11(4):255-257.
- Zavortink, T. J. 1981. Species complexes in the genus *Trichoprosopon*. Mosq. Syst. 13(1):82-85.
- Zavortink, T. J., D. R. Roberts, and A. L. Hoch. 1983. *Trichoprosopon digitatum* - Morphology, biology, and potential medical importance. Mosq. Syst. 15(2):141-149.

## INDEX TO GENERA, SUBGENERA AND SPECIES

## FOR PARTS I AND II\*

Names in script are valid species occurring in Argentina: their page numbers in roman type refer to identification keys in English, those in ~~nlde English~~ type, to keys in Spanish. Numbers preceding the slant line(/) indicate adult female keys while those following it, larval keys. Numbers in script refer to the geographic distribution in Part II. Names in roman type are valid species currently unknown from Argentina or are synonyms of valid Argentine species. Their page numbers denote mention in the text.

- acharistus*, Cx. 182, 204/228, 244, 305  
 AEDEOMYIA (Ad.) 173, 195/222, 238  
 AEDES (Ae.) 173, 174, 194, 195/222, 223, 238, 239  
*Aedinus* (Ads.) 180, 202/227, 244  
*aegypti*, Ae. 175, 197/223, 240, 281, 293  
*aikenii*, Cx. 313  
*albicosta*, Cq. 179, 201/226, 243, 302  
*albifera*, Cq. 179, 201/226, 243, 302  
*albifasciatus*, Ae. 174, 195/223, 240, 280, 281, 288  
*albigenu*, Ps. 187, 209/233, 249, 321  
*albinensis*, Cx. 184, 206/230, 247, 310  
*albipes*, Ps. 187, 209/233, 250, 322  
*albiprivus*, Sa. 188, 210/233, 250, 326  
*albitarsis*, An. 177, 199/226, 242, 296  
*albopicus*, Ae. 175, 197/223, 240, 292  
*aliciae*, Cx. 184, 206/229, 245, 311  
*Allimanta* (Alm.) 180, 202/227, 243, 304  
*allopha*, An. 297  
*amazonensis*, Cx. 180, 202/227, 244, 304  
*ameliae*, Cx. 182, 204/228, 244, 305  
*angustivittatus*, Ae. 155, 289  
*Ankylorhynchus* (Ank.) 189, 211/  
*annulipalpis*, An. 178, 200/225, 241, 293  
*Anoediporpa* (And.) 180, 202/227, 244  
 ANOPHELES (An.) 172, 176, 193, 198/221, 224, 237, 240  
*Anopheles* (Ano.) 176, 198/224, 240  
*antunesi*, An. 177, 198/225, 242, 297  
*apicalis*, Ur. 190, 213/235, 252, 330  
*apicimacula*, An. 179, 201/224, 241, 293  
*apicinus*, Cx. 181, 203/228, 244, 305  
*aporonoma*, Wy. 192, 214/236, 253, 332  
*araozi*, Cq. 155, 304  
*arborealis*, Tx. 156, 329  
*argentinus*, An. 296  
*argyritarsis*, An. 177, 199/225, 242, 297  
*arthrostigma*, Wy. 191, 213/236, 253, 334  
*articularis*, Cx. 182, 204/228, 244, 305  
*aurescens*, Sa. 189, 211/233, 250, 327  
*aurivittatus*, Ae. 176, 197/224, 240, 287  
*bachmanni*, t., An. 301  
*bambusicolus*, An. 176, 198/225, 241, 296  
*bambusicolus*, Tx. 189, 211/234, 251, 328  
*bastagarius*, Cx. 184, 206/230, 247, 311  
*bejaranoi*, Cx. 184, 206/229, 245, 311  
*belisarioi*, Sa. 188, 210/233, 250, 327  
*belkini*, Wy. 192, 214/236, 253, 332  
*bidens*, Cx. 181, 182, 203, 204/228, 245, 305  
*bigoti*, Cx. 180, 202/227, 243, 310  
*brethesi*, Cx. 182, 204/229, 245, 306  
*brucei*, Wy. 156, 333  
*camposi*, Cx. 307  
*capricornii*, Hg. 185, 207/231, 247, 315  
*Carrollia* (Car.) 180, 202/227, 243  
*casali*, Ae. 175, 197/224, 240, 292  
*castroi*, Cx. 182, 204/228, 244, 306  
*castroi*, Tr. 190, 212/234, 251, 330  
*cavalerii*, Tx. 189, 211/234, 251, 329  
 CHAGASIA (Ch.) 172, 193/221, 237  
*chagasi*, t., An. 301  
*chaguanco*, Cx. 180, 202/227, 244, 304  
*chidesteri*, Cx. 181, 204/229, 245, 306  
*chloropterus*, Sa. 188, 210/234, 251, 328  
*chrysonotum*, Cq. 179, 201/226, 243, 302  
*ciliata*, Ps. 186, 208/232, 249, 324  
*cilipes*, Ps. 186, 208/232, 249, 324  
*cingulata*, Ps. 187, 209/232, 249, 320  
*clarki*, An. 299  
*clarki*, Cx. 183, 205/229, 245, 311  
*codiocampa*, Wy. 191, 214/235, 253, 334  
*compressum*, Tr. 189, 212/234, 251, 330

\*Abbreviations follow Reinert (1975, Mosq. Syst. 7(2): 105-110 and 1982, *ibid.*, 14(2): 124-125).

- condolescens*, Ae. 154  
*confinnis*, Ps. 187, 211/232, 249, 320  
*Conopostegus* (Con.) 185, 217/  
*COQUILLETIDIA* (Cq.) 173, 179, 194,  
 211, 222, 226, 238, 243  
*coronator*, Cx. 181, 213/228, 245, 306  
*crinifer*, Ae. 175, 196/223, 239, 288  
*cruzi*, An. 176, 198/225, 241, 296  
*CULEX* (Cx.) 174, 180, 195, 212/222,  
 227, 238, 243  
*Culex* (Cux.) 180, 181, 212, 213/227,  
 228, 243, 244  
*cuyanus*, Cx. 181, 213/228, 244, 307  
*cyanescens*, Ps. 187, 211/232, 249,  
 322  
*cyaneus*, Sa. 188, 211/234, 251, 327  
*darlingi*, An. 177, 199/225, 242, 298  
*davisi*, An. 155, 301  
*davisi*, Cx. 184, 216/231, 247, 315  
*davisi*, Ur. 190, 213/235, 252, 330  
*Davismyia* (Dav.) 192, 214/  
*debilis*, Cx. 155, 305  
*declarator*, Cx. 306  
*delpontei*, Ae. 155, 287  
*delpontei*, Cx. 183, 215/229, 245,  
 311  
*Dendromyia* (Den.) 191, 192, 214/  
*diabolica*, Ph. 186, 218/232, 248, 319  
*digitatum*, Tr. 154  
*dimidiata*, Ps. 187, 211/232, 249, 321  
*discrucians*, Ps. 187, 211/233, 251,  
 322  
*ditaenionota*, Ur. 190, 212/235, 252,  
 331  
*dolosus*, Cx. 182, 214/229, 245, 307  
*dureti*, Cx. 184, 216/229, 245, 312  
*durhamii*, Li. 172, 193/221, 237, 317  
*dyari*, Ma. 318  
*eduardoi*, Cx. 182, 214/229, 245, 307  
*educator*, Cx. 183, 215/230, 246, 312  
*elevator*, Cx. 184, 216/230, 247, 312  
*elnora*, p., Ur. 190, 213/235, 252, 332  
*equinus*, Hg. 154, 315  
*espini*, Ru. 188, 211/233, 251, 326  
*evandroi*, An. 178, 211/224, 241, 294  
*evansae*, An. 178, 199/226, 242, 298, 301  
*fajardi*, Ch. 172, 193/221, 237, 301  
*falco*, c., Hg. 316  
*falco*, s., Hg. 316  
*fasciolata*, Cq. 179, 211/226, 243, 302  
*fernandezi*, Cx. 181, 213/229, 245, 307  
*ferox*, Ps. 187, 211/233, 251, 323  
*Finlaya* (Fin.) 157  
*flabellata*, Ph. 186, 218/232, 248, 319  
*flaveola*, Ma. 185, 217/231, 248, 317  
*fluminensis*, An. 178, 211/224, 241, 294  
*fluviatilis*, Ae. 175, 197/223, 241, 289  
*fluviatilis*, Sh. 173, 194/221, 237, 328  
*frontosa*, Ru. 188, 211/233, 251, 326  
*fulvus*, Ae. 174, 195/223, 239, 289  
*genumaculata*, Ps. 156, 325  
*geometrica*, Ur. 190, 212/235, 252, 331  
*glyptosalpinx*, Cx. 184, 216/230, 246,  
 312  
*Grabhamia* (Gra.) 186, 211/232, 249  
*guadeloupensis*, Tx. 189, 211/234, 251,  
 329  
*HAEMAGOGUS* (Hg.) 173, 185, 194, 217/  
 222, 231, 239, 247  
*Haemagogus* (Hag.) 185, 217/  
*h. haemorrhoidalis*, Tx. 189, 211/234,  
 251, 329  
*h. separatus*, Tx. 189, 211/234, 251, 329  
*hastatus*, Ae. 175, 196/223, 239, 289  
*hepperi*, Cx. 181, 213/228, 244, 308  
*hermanoi*, Cq. 179, 211/226, 243, 302  
*holmbergi*, Ps. 186, 218/232, 248, 324  
*Howardina* (How.) /222, 224, 239, 241  
*humeralis*, Ma. 185, 217/231, 248, 317  
*identicus*, Sa. 189, 211/233, 251, 327  
*idotus*, Cx. 184, 216/229, 245, 312  
*iguazu*, Ae. 155, 289  
*imitator*, Cx. 184, 216/231, 247, 315  
*imperfectus*, Sa. 156, 328  
*indubitans*, Ma. 185, 217/231, 248, 317  
*inflictus*, Cx. 281, 308  
*interfor*, Cx. 155, 306  
*intermedius*, An. 178, 211/224, 241,  
 294  
*intermedius*, Sa. 188, 211/234, 251,  
 327  
*intrincatus*, Cx. 184, 216/230, 246,  
 312  
*janthinomys*, Hg. 185, 217/231, 249,  
 316  
*Janthinosoma* (Jan.) 186, 211/232, 249  
*JOHNBELKINIA* (Jb.) 157  
*juxtamansonia*, Cq. 154  
*Kerteszia* (Ker.) 176, 198/225, 241  
*konderi*, An. 155  
*lahillei*, Cx. 181, 213/228, 244, 308  
*laneanus*, An. 176, 198/225, 241, 296  
*lanei*, An. 154  
*lanei*, Ur. 190, 212/235, 252, 331



- lateralis*, Wy. 191, 213/235, 252, 334  
*leucocelaenus*, Hg. 185, 207/231, 247, 315  
*leucomelas*, Hg. 155, 315  
*leucostigma*, Wy. 191, 213/236, 253, 334  
*limai*, Wy. 191, 214/235, 252, 334  
*LIMATUS* (Li.) 172, 193/221, 237  
*lineata*, Ps. 156, 325  
*longirostris*, Ph. 155, 320  
*lowii*, Ur. 190, 213/235, 252, 331  
*lucifugus*, Cx. 184, 206/230, 246, 312  
*lunatum*, Ru. 156, 326  
*luteoventralis*, Wy. 192, 214/235, 252, 333  
*lutzi*, Wy. 191, 214/235, 252, 335  
*Lutzia* (Lut.) 180, 202/227, 243  
*lutzianus*, Sa. 156, 327  
*lutzii*, An. 177, 198/225, 242, 299  
*lutzii*, Ps. 187, 209/233, 250, 323  
*lynchi*, Ps. 324  
*Lynchiella* (Lyn.) 189, 211/  
*lynchii*, Ae. 289  
*maculipes*, An. 179, 201/224, 241, 294  
*MANSONIA* (Ma.) 173, 185, 194, 207/222, 231, 238, 248  
*martinezi*, Ae. 176, 197/224, 240, 287  
*martinezi*, Cx. 184, 206/230, 246, 313  
*mathesoni*, Ps. 321  
*maxi*, Cx. 181, 203/228, 245, 308  
*mediopunctatus*, An. 178, 200/224, 241, 294  
*melanocephala*, Wy. 192, 214/236, 253, 333  
*Melanoconion* (Mel.) 180, 183, 202, 205/227, 229, 244, 245  
*melanonymphe*, Sa. 188, 211/234, 251, 327  
*Menolepis* (Men.) 191, 213/  
*meprai*, Ae. 175, 196/223, 239, 289  
*Microculex* (Mcx.) 180, 184, 202, 206/227, 231, 243, 247  
*milleri*, Ae. 175, 197/224, 240, 289  
*minor*, An. 178, 200/225, 241, 295  
*misionensis*, Cx. 184, 206/229, 245, 313  
*mollis*, Cx. 182, 204/228, 245, 308  
*muehlensi*, Ph. 186, 208/232, 248, 319  
*mystes*, Wy. 192, 214/236, 253, 333  
*nataliae*, Ur. 190, 212/235, 252, 331  
*neivai*, Cq. 179, 201/226, 243, 303  
*neivai*, Ph. 155, 320  
*neomaculipalpus*, An. 178, 200/224, 241, 295  
*nigricans*, Cq. 179, 201/226, 243, 303  
*nigritarsis*, An. 177, 198/224, 240, 299  
*norostensis*, An. 155, 299  
*nubilus*, Ae. 175, 196/223, 239, 290  
*Nunezia* (Nuz.) 191, 213/  
*Nyssorhynchus* (Nys.) 176, 198/225, 241  
*oblita*, Wy. 191, 213/235, 252, 335  
*obscurum*, Tr. 189, 212/234, 251, 330  
*Ochlerotatus* (Och.) 157  
*ochripes*, Ps. 186, 208/232, 248, 325  
*ocossa*, Cx. 183, 205/230, 246, 313  
*oedipus*, Cx. 184, 206/229, 245, 313  
*oligopistus*, Ae. 175, 196/223, 239, 290  
*orfilai*, Cx. 184, 206/229, 245, 313  
*ORTHOPODOMYIA* (Or.) 174, 195/222, 238  
*oswaldoi*, An. 177, 199/226, 242, 299  
*ousqua*, Cx. 307  
*pallescens*, Ps. 186, 208/232, 248, 325  
*pallidiventer*, Tr. 189, 212/234, 251, 330  
*panocossa*, Cx. 313  
*paracrybda*, Cx. 155, 311  
*paranensis*, Ru. 188, 210/233, 250, 326  
*parvus*, An. 177, 198/225, 242, 300  
*patersoni*, Ae. 175, 196/223, 239, 290  
*patersoni*, Cx. 155  
*patersoni*, p., An. 178, 200/224, 240, 296  
*paulli*, Ps. 187, 209/232, 249, 321  
*pavlovskiyi*, Cx. 184, 206/229, 245, 313  
*pedroi*, Cx. 183, 205/229, 246, 314  
*pennai*, Ae. 174, 195/223, 239, 290  
*perezi*, t., An. 301  
*personata*, Wy. 192, 214/236, 253, 333  
*pressoai*, Ma. 154, 281, 318  
*petrocchiae*, c., Hg. 155, 316  
*petrocchiae*, Wy. 192, 214/236, 253, 332  
*PHONIOMYIA* (Ph.) 172, 186, 193, 208/221, 232, 238, 248  
*pictipennis*, An. 177, 199/225, 242, 299  
*pilicauda*, Ph. 186, 208/232, 248, 319  
*pilosus*, Cx. 183, 206/229, 246, 314  
*pipiens*, Cx. 182, 204/228, 245, 309  
*plectoporpe*, Cx. 184, 206/230, 247, 314  
*pseudodominicii*, Ae. 176, 197/224, 240, 287  
*pseudopunctipennis*, p., An. 178, 200/225, 241, 295  
*pseudotitillans*, Ma. 185, 207/231, 248, 318

- PSOROPHORA (Ps.) 173, 186, 194, 208/  
 222, 232, 238, 249  
*Psorophora* (Pso.) 186, 208/232, 249  
*pulcherrima*, p., Ur. 190, 213/235,  
 252, 332  
*pulcherrima elnora*, Ur. 190, 213/  
 235, 252, 332  
*punctimacula*, An. 179, 201/224, 241,  
 296  
*purpureus*, Sa. 188, 210/234, 251, 327  
*purpureus*, Tx. 189, 211/234, 251, 328  
*quasilongirostris*, Ph. 186, 208/  
 232, 248, 320  
*quasiluteoventralis*, Wy. 156, 333  
*quinquefasciatus*, Cx. 182, 204/228,  
 245, 309  
*rapax*, Ru. 156, 326  
*raymondi*, Ae. 175, 196/223, 239, 290  
*renatoi*, Cx. 181, 203/228, 244, 309  
*reversa*, Ru. 188, 210/233, 250, 326  
*riojanus*, Cx. 181, 203/228, 244, 309  
*rondoni*, An. 177, 199/226, 242, 300  
*rooti*, Cx. 183, 206/229, 246, 314  
 RUNCHOMYIA (Ru.) 173, 187, 194, 210/  
 221, 233, 237, 250  
*sabethea*, Wy. 191, 214/235, 252, 335  
 SABETHES (Sa.) 173, 188, 194, 210/  
 221, 233, 237, 250  
*Sabethes* (Sab.) 188, 210/  
*Sabethinus* (Sbn.) 188, 210/  
*Sabethoides* (Sbo.) 188, 210/  
*saeva*, Ps. 186, 208/232, 249, 325  
*saltanensis*, Cx. 181, 203/228, 244,  
 310  
*sampaioi*, Or. 174, 195/222, 238, 319  
*scapularis*, Ae. 174, 196/223, 239,  
 290  
*scotinomus*, Wy. 156, 333  
*separatus*, h., Tx. 189, 211/234,  
 251, 329  
*serrata*, Wy. 191, 214/235, 253, 335  
*serratimarge*, Cx. 184, 206/230, 247,  
 314  
*serratoria*, Wy. 192, 214/235, 252,  
 333  
*serratus*, Ae. 175, 196/223, 239, 291  
*shannoni*, Cq. 179, 201/226, 243,  
 SHANNONIANA (Sh.) 173, 194/221, 237  
*simile*, Tr. 190, 212/234, 251, 330  
*sollicitans*, Ae. 154  
*solstitialis*, Tx. 189, 211/234, 251,  
 329  
*soperi*, Cx. 180, 202/227, 243, 304  
*soperi*, Sa. 188, 211/233, 250, 328  
*spgazzini*, Hg. 185, 207/231, 247, 316  
*spinusus*, Cx. 182, 204/228, 244, 310  
*squamipennis*, Ad. 173, 195/222, 238,  
 287  
*stigmaticus*, Ae. 174, 195/223, 239,  
 291  
*strodei*, An. 178, 200/226, 242, 300  
*synchytus*, Ae. 175, 196/223, 239, 292  
*taeniopus*, Cx. 183, 205/229, 246, 314  
 TAENIORHYNCHUS 157  
*taeniorhynchus*, Ae. 154, 157  
*tapinops*, Ae. 289  
*tarsimaculatus*, An. 155  
*tatoi*, Cx. 182, 204/229, 245, 310  
*terrens*, Ae. 175, 197/224, 240, 292  
*theobaldi*, Cx. 183, 205/230, 246, 314  
*theobaldi*, Tx. 189, 211/234, 251, 329  
*thomasi*, Cx. 155, 311  
*tibiamaculatus*, An. 178, 200/225, 241,  
 296  
*titillans*, Ma. 185, 207/231, 248, 318  
 TOXORHYNCHITES (Tx.) 172, 189, 193,  
 211/222, 234, 238, 251  
*tramazayguesi*, Cx. 180, 202/227, 243,  
 304  
*triannulatus*, An. 177, 199/226, 242,  
 301  
 TRICHOPROSOPON (Tr.) 173, 189, 194,  
 212/221, 234, 237, 251  
*tripartita*, Ph. 186, 208/232, 248, 320  
*tucumanus*, An. 296  
*tucumanus*, Tx. 156, 329  
*undosus*, Sa. 188, 211/233, 250, 328  
*urania*, Ur. 156, 332  
 URANOETAENIA (Ur.) 172, 190, 193, 212/  
 222, 235, 238, 252  
*uriartei*, Hg. 155, 317  
*usquatissimus*, Cx. 307  
*usquatus*, Cx. 181, 203/228, 245, 310  
*vanemdeni*, Ae. 176, 197/224, 240, 287  
*varinervis*, Ps. 187, 209/232, 249, 321  
*varipes*, Ps. 187, 209/233, 249, 321,  
 323  
*venezuelensis*, Cq. 179, 201/226, 243,  
 303  
*virgultus*, Cx. 155, 306  
 WYEOMYIA (Wy.) 173, 191, 194, 213/221,  
 235, 238, 252  
*Wyeomyia* (Wyo.) 191, 213/