

Collection Records of the Project "Mosquitoes of Middle America"

12. Colombia (COA, COB, COL, COM)¹Sandra J. Heinemann and John N. Belkin²

For general information and collections from the Dominican Republic (RDO) the first publication of this series should be consulted (Belkin and Heinemann 1973). Any departure from the method in this publication is indicated below. Publications 2-6 of the series (Belkin and Heinemann 1975a, 1975b, 1976a, 1976b, 1976c) recorded data on collections from the remainder of the West Indies except Jamaica (Belkin, Heinemann and Page 1970:255-304) and the islands adjacent to Venezuela as well as Trinidad and Tobago (to be covered later). Publications 7-10 (Heinemann and Belkin 1977a, 1977b, 1977c, 1978a) covered the collections from Mexico and Central America. Publication 11 began coverage of South America with the collections from Venezuela and the Guianas (Heinemann and Belkin 1978b), and the present publication covers Colombia.

The collections in Colombia could not have been made without the interest and assistance of cooperators of the project. We are greatly indebted to these individuals and their organizations for the facilities, transportation and assistance as well as the donation of collections to the project.

We were particularly fortunate in securing the cooperation of the late Ernesto Osorno-Mesa and Alberto Morales Alarcon of Instituto Nacional Para Programas Especiales de Salud, Bogota; Harold Trapido and Vernon H. Lee of Rockefeller Foundation and Pablo Barreto Reyes of Departamento de Medicina Preventiva, Facultad de Medicina, Universidad del Valle, Cali; and C. J. Marinkelle, Universidad de los Andes, Bogota. We also greatly appreciate the cooperation of Abdiel J. Adames of Gorgas Memorial Laboratory, Panama; William A. Page then of Centre for Tropical Veterinary Medicine, Royal (Dick) School of Veterinary Studies, University of Edinburgh; Hans Gero Henning of Zoologisches Institut, Munster, West Germany; and Clark Gardner then of Department of Biology, University of Utah. We thank all the individuals listed below as Collectors for the collection and rearing of material.

The collections from Colombia available to the project are recorded under 10 separate codes. Four of these are treated in the present publication: **COA**, for collections supervised primarily by Abdiel J. Adames; **COB**, for collections supervised primarily by Ernesto Osorno-Mesa and Alberto Morales Alarcon; **COL**, supervised primarily by Vernon H. Lee and Pablo Barreto Reyes; and **COM**, supervised by C. J. Marinkelle. Not included in this publication is miscellaneous material with fragmentary data from collections of W. H. W. Komp (codes **COK**, **COR**, **COT**), Charles H. Porter (**COP**) and J. B. Kitzmiller (**COZ**) from various localities; and Marston Bates and Lloyd E. Rozeboom (**CV**) from Villavicencio. These collections may be treated at a later date when additions, corrections and an index to the entire series are prepared for publication.

As noted in Collection Records 7 (Heinemann and Belkin 1977a) various errors in previous publications of the project have been rectified in the present publication; also, most of the identifications are preliminary identifications only and in no way constitute a change in taxonomic status. The elevations for those localities that are not designated by Universal Transverse Mercator Grid coordinates, and are more than 100m, are only approximate and may be in error by 200m or more.

Corrections for Previous Publications

Attention should be brought to the following errors in previous publications with regard to collections made in Colombia, since they concern information about type specimens.

Berlin (1969:105) gives the elevation as 5000ft for the type locality of *Aedes eleanorae* (COB 10). The correct elevation is 1650m.

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Berlin (1969:107) gives the following data for the holotype (COM 63) of *Aedes marinkellei*: "Suba . . . 8300ft." However, on the basis of the ecological data given on the original record form, it is clear that the collection was made near rather than at Suba and at a higher elevation, probably about 2650m on Cerro de La Toma or Cerro de El Tabor just to the E and S of Suba.

Berlin (1969:112) states that specimens (including holotype) of *Aedes leei* were collected in the "paramo." Although the local name for the general area that these collections were made is "Paramo de Purace," the collections (COL 16, 17, 19, 20, 52, 53, 54) were not made in the paramo in the ecological sense, but in montane rain forest (natural or disturbed) according to the Holdridge system. Also, with the possible exception of COL 52, all these collections were made in Huila and not Cauca.

Berlin (1969:112) gives the elevation as 8200ft for the type locality of *Aedes osornoi* (COB 37). The correct elevation is 2650m.

Schick (1970:52-53) states that the immature stages of *Aedes buenaventura* (COL 56, type series, and COL 110) were taken from "decaying trunk of *Palma naidai*" and "*Palma naidai* stump." "*Palma naidi*" (not "*naidai*") is the common name of a palm, not the scientific name as Schick has indicated; the correct name for this palm is *Euterpe cuatrecasana*. Also, both COL 56 and 110 were collected in the same area as COL 144, in the transitional brackish water zone characterized by the *naidi* palm. Thus, the elevations given by Schick for COL 56 and 110 (100 and 70ft respectively) are incorrect and should be changed to less than 10m. See Lee and Barreto (1969:390) for additional information.

Arnell (1976:24) gives the data for the holotype (COB 92) for *Aedes deficiens* as "Hacienda 'Conjera,' 3km from Suba . . . elev. 2410m." The corrected data are: La Conejera, about 3km N of Suba, elev. 2580m.

Maps and Gazetteers Used

Republica de Colombia 1:1,500,000, Instituto Geografico de Colombia "Agustin Codazzi," Bogota, 1963.

Republica de Colombia, Mapa Ecologico 1:1,000,000, sheets 1, 2, 3, 4, Instituto Geografico de Colombia "Agustin Codazzi," Bogota, 1962.

World 1:1,000,000, series 1301, sheets NA 18, NA 19, NB 18, NB 19, NC 18, SA 19, ed. 1-AMS.

World 1:250,000, series 1501, sheets NB 18-16, NC 18-3, -4, -6, -10, ed. 1.

Colombia 1:50,000, series E772; sheets 1384-1, 1385-2, 1587-3, 1788-1, 1890-1, -4, 1891-2, -3, 2093-1, 2193-4, 2393-3, ed. 1-AMS; sheets 1684-1, 1784-3, 1981-1, -2, -3, 1982-1, 1983-2, 2079-1, -4, 2080-1, -2, -3, 2179-1, -2, 2180-3, -4, 2279-2, 2286-4, 2379-1, -2, -3, ed. 1-DMATC; sheets 1788-4, 1789-3, -4, 2279-3, -4, ed. 1-TPC.

Colombia City Map 1:10,000, series E972, sheets Bogota-1, -2, -4, ed. 1-AMS.

Colombia Texaco road map (with large scale insets of major cities), 1964.

U. S. Board on Geographic Names, Gazetteer no. 86, Colombia, 1964.

Collectors

AA	Abdiel J. Adames	GN	G. Nunez
PB	Pablo Barreto Reyes	JO	Jesus Antonio Ochoa
JB	John N. Belkin	PO	P. A. Orjuela
IC	Incora=Instituto Colombiano de la Reforma Agraria personnel	EO	Ernesto Osorno-Mesa
CG	Clark Gardner	WP	William A. Page
LG	Luis Ernesto Giraldo	RP	Ricardo Pardo
HH	Hans Gero Henning	EP	E. Posada M.
CH	Carlos Hidalgo S.	AQ	Audiberto Quinonez
VL	Vernon H. Lee	LR	Liborio Ramos
GM	Agustin Manta	VR	V. Rivas
CM	C. J. Marinkelle	RR	Ernesto Rivera R.
AM	Alberto Morales Alarcon	ER	E. Ruiz
		HT	Harold Trapido

Code: COA

The COA collections are identified by one of the following three printed labels: //COA[handwritten 1-50]/Colombia 67-68/Mosq Mid Amer//, //COA[handwritten 1-50]/Colombia 69-70[modified by hand to 67]/Mosq Mid Amer//, //COA[handwritten 100-102]/Colombia/Mosq Mid Amer//.

Summary of COA Collections

COA 1-50	25-31 Aug 1967	AA, AQ	Antioquia, Choco
COA 51-99	Not used		
COA 100-102	May-Jun 1970	HH	Magdalena

COA Collection Records

1. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 1000-1100hrs; partial shade. *De. pseudes*, *Ga. leei*.
2. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 1000-1100hrs; partial shade. *Cx. (Bel.) eldridgei*.
3. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; bottom with mud; partial shade. *An. (Ano.) eiseni*, *Cx. (Bel.) eldridgei*, *Cx. (Cux.) inflictus* group, *De. pseudes*.
4. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole (same as 3) in mangrove area; 1000-1200hrs; partial shade. *Cx. (Bel.) eldridgei*.
5. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Large crabhole in mangrove area; partial shade. *Cx. (Bel.) eldridgei*.
6. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole (same as 5) in mangrove area; 1000-1200hrs; partial shade. *De. pseudes*.
7. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Large crabhole in mangrove area near houses; water clear, fresh or brackish; bottom with mud; partial shade. *De. pseudes*.
8. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole (same as 7) in mangrove area near houses; 1000-1200hrs; partial shade. *De. pseudes*.
9. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Large crabhole in mangrove area near houses; water clear, brackish; bottom with mud; partial shade. *De. pseudes*.
10. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole (same as 9) in mangrove area near houses; 1000-1200hrs; partial shade. *De. curiche*, *De. pseudes*.
11. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area near houses; 1000-1200hrs; partial shade. *De. pseudes*.
12. Choco, Coredó, vicinity of, near sea level; 25 Aug 67, AA, AQ. Large crabhole in mangrove area near houses; water clear, brackish; bottom with mud; partial shade. *De. pseudes*.
13. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Adults resting in large crabhole; 0930-1000hrs; partial shade. Apparently no specimens.
14. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Adults resting in large crabhole; 0930-1000hrs; partial shade. Apparently no specimens.
15. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Large crabhole; water clear, fresh (following rain); partial shade. *De. curiche*.
16. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Adults resting in large crabhole (same as 15); 1000-1200hrs; partial shade. Apparently no specimens.
17. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Large crabhole; water clear, fresh (following rain); partial shade. *Cx. (Cux.) inflictus* group, *Cx. (Tin.) latisquama*, *De. curiche*, *De. pseudes*.
18. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Adults resting in large crabhole (same as 17); 1000-1200hrs; partial shade. Apparently no specimens.
19. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Large crabhole; water clear, fresh (following rain); partial shade. Apparently no specimens.
20. Choco, Coredó, "El Naranjo," near sea level; 26 Aug 67, AA, AQ. Adult resting in large crabhole (same as 19); 1000-1200hrs; partial shade. Apparently no specimens.

COA Collection Records

21. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 0930-1230hrs; partial shade. *De. pseudes*.
22. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 0930-1230hrs; partial shade. *De. dyari*, *Ga. leei*.
23. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole (of *Cardisoma crassum*) in mangrove area; 0930-1230hrs; partial shade. *De. pseudes*.
24. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Large crabhole in mangrove area; water turbid, brackish; bottom with mud; partial shade. *De. dyari*.
25. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole (same as 24) in mangrove area; 0930-1230hrs; partial shade. *De. dyari*, *De. pseudes*.
26. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole (of *Ucides occidentalis*) in mangrove area; 0930-1230hrs; partial shade. *De. dyari*, *De. pseudes*.
27. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; bottom with mud; partial shade. *De. dyari*, *De. pseudes*.
28. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; bottom with mud; partial shade. *De. dyari*, *De. pseudes*.
29. Choco, Coredó, "El Roto," near sea level; 27 Aug 67, AA, AQ. Adults resting in large crabhole (same as 28) in mangrove area; 0930-1230hrs; partial shade. *De. dyari*, *De. pseudes*.
30. Antioquia, Turbo, about 10km W of, Río Atrato delta, Brazo del Coco (18NTP9895?), near sea level; 29 Aug 67, AA, AQ. Large crabhole near stream in rice fields; water clear, fresh; full sun. *Cx. (Tin.) latisquama*, *De. melanophylum*.
31. Antioquia, Turbo, about 10km W of, Río Atrato delta, Brazo del Coco (18NTP9895?), near sea level; 29 Aug 67, AA, AQ. Large crabhole near stream in rice fields; water clear, ?fresh; full sun. *Cx. (Tin.) latisquama*, *De. colombianus*.
32. Antioquia, Turbo, about 10km W of, Río Atrato delta, Brazo del Coco (18NTP9895?), near sea level; 29 Aug 67, AA, AQ. Large crabhole near stream in rice fields; water ?fresh. *Cx. (Tin.) latisquama*.
33. Antioquia, Turbo, about 10km W of, Río Atrato delta, Brazo del Coco (18NTP9895?), near sea level; 29 Aug 67, AA, AQ. Crabhole near stream in rice fields; water clear, fresh; bottom with mud. *Cx. (Tin.) latisquama*.
34. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 1130-1400hrs; partial shade. *De. melanophylum*.
35. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Large crabhole in mangrove area; water turbid, brackish; bottom with mud; partial shade. *De. colombianus*, *De. melanophylum*.
36. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Large crabhole in mangrove area; water turbid, brackish; bottom with mud; partial shade. *De. melanophylum*.
37. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Adults resting in large crabhole (same as 36) in mangrove area; 1130-1400hrs; partial shade. *De. melanophylum*.
38. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Adults resting in large crabhole in mangrove area; 1130-1400hrs; partial shade. *De. colombianus*, *De. melanophylum*.
39. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Large crabhole in mangrove area; water turbid, brackish; partial shade. *De. colombianus*, *De. melanophylum*.
40. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Large crabhole in mangrove area; water turbid, brackish; partial shade. *De. colombianus* (holotype), *De. melanophylum*.
41. Antioquia, Turbo, just S of, "La Punta," near sea level; 30 Aug 67, AA, AQ. Adults resting in large crabhole (same as 40) in mangrove area; 1130-1400hrs; partial shade. *De. melanophylum*.
42. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *De. pseudes*.
43. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *Cx. (Cux.) inflictus* group, *De. curiche*, *De. pseudes*.
44. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *De. pseudes*.

COA Collection Records

45. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *De. pseudes*.
46. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *Cx. (Cux.) inflicus* group, *De. pseudes*.
47. Choco, Coredó, vicinity of, near sea level; 29-30 Aug 67, AA, AQ. Large crabhole in mangrove area; water clear, brackish; partial shade. *De. pseudes*.
48. Choco, Coredó, "El Naranjo," near sea level; 31 Aug 67, AA, AQ. Large crabhole; water clear, ?fresh; partial shade. *Cx. (Cux.) inflicus* group, *Cx. (Tin.) latisquama*, *De. curiche*, *De. pseudes*.
49. Choco, Coredó, "El Naranjo," near sea level; 31 Aug 67, AA, AQ. Large crabhole; water clear, ?fresh; partial shade. *Cx. (Cux.) inflicus* group.
50. Choco, Coredó, "El Naranjo," near sea level; 31 Aug 67, AA, AQ. Large crabhole; water clear, ?fresh; partial shade. *Cx. (Tin.) latisquama*, *De. curiche* (holotype), *De. pseudes*.
- 51-99. Not used.
100. Magdalena, Santa Marta, about 50km E of, near mouth of Rio Buritaca (18PXT3545), near sea level; May-Jun 70, HH. Adults resting in crabholes (of *Cardisoma guanhumí*) 50m from river and 200 m from sea. *Cx. (Cux.) inflicus* group, *Cx. (Mel.) educator*, *Cx. (Mel.)* sp near *elephas*, *Cx. (Tin.) latisquama*, *De. colombianus*.
101. Magdalena, Santa Marta, about 50km E of, near mouth of Rio Buritaca (18PXT3545), near sea level; May-Jun 70, HH. Crabhole (of *Cardisoma guanhumí*) 50m from river and 200m from sea. *Cx. (Tin.) latisquama*, *De. colombianus*.
102. Magdalena, Santa Marta, about 50km E of, near mouth of Rio Buritaca (18PXT3545), near sea level; May-Jun 70, HH. Adults resting in crabholes (of *Cardisoma guanhumí*) 50m from river and 200 m from sea. *Cx. (Cux.) inflicus* group, *Cx. (Tin.) latisquama*, *De. atlanticus*, *De. colombianus*, *De. melanophylum*.

COA Locality Index

ANTIOQUIA

Turbo (8°06'N, 76°43'W, on Golfo del Darien), vicinity of. About 10km W of Turbo, Rio Atrato delta, Brazo del Coco (18NTP9895?), near sea level.—30, 31, 32, 33. Just S of Turbo, "La Punta," near sea level.—34, 35, 36, 37, 38, 39, 40, 41.

CHOCO

Coredó (18NTN0569, on Pacific coast about 40km S of Panama border and about 10km S of mouth of Rio Curiche) and vicinity of. General vicinity of Coredó and Rio Curiche, near sea level.—1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 42, 43, 44, 45, 46, 47. "El Naranjo," near sea level.—13, 14, 15, 16, 17, 18, 19, 20, 48, 49, 50. "El Roto," near sea level.—21, 22, 23, 24, 25, 26, 27, 28, 29.

MAGDALENA

Rio Buritaca, near mouth of (18PXT3545, about 50km E of Santa Marta), near sea level.—100, 101, 102.

COA Species Index

- Anopheles (Anopheles) eiseni* Coquillett 1902.—3.
- Culex (Belkinomyia) eldridgei* Adames and Galindo 1973.—2, 3, 4, 5.
- Culex (Culex) inflicus* group: *inflicus* and/or related sp.—3, 17, 43, 46, 48, 49, 100, 102.
- Culex (Melanoconion) educator* Dyar and Knab 1906.—100.
- Culex (Melanoconion)* sp near *elephas*.—100.
- Culex (Tinolestes) latisquama* (Coquillett 1906).—17, 30, 31, 32, 33, 48, 50, 100, 101, 102.
- Deinocerites atlanticus* Adames 1971.—102.
- Deinocerites colombianus* Adames 1971.—31, 35, 38, 39, 40 (holotype), 100, 101, 102.
- Deinocerites curiche* Adames 1971.—10, 15, 17, 43, 48, 50 (holotype).
- Deinocerites dyari* Belkin and Hogue 1959.—22, 24, 25, 26, 27, 28, 29.

COA Species Index

- Deinocerites melanophylum* Dyar and Knab 1907.—30, 34, 35, 36, 37, 38, 39, 40, 41, 102.
Deinocerites pseudus Dyar and Knab 1909.—1, 3, 6, 7, 8, 9, 10, 11, 12, 17, 21, 23, 25, 26, 27, 28, 29, 42, 43, 44, 45, 46, 47, 48, 50.
Galindomyia leei Stone and Barreto 1969.—1, 22.

Code: COB

The COB collections are identified by one of the following two printed labels: //COB[handwritten 1-96]/Colombia 64-65/INSP, Bogota, OM// and //COB[handwritten 6-111]/Colombia 65-66/INSP, Bogota, OM//.

Summary of COB Collections

COB 1-7, 10-31, 33-56, 58-84, 90, 92, 93, 95, 96, 107, 111 (other lots not available)
 29 Oct 1964-17 Oct 1966
 IC, LG, CH, GM, AM, JO, EO, RP, RR, ER
 Antioquia, Bolivar, Cordoba, Cundinamarca, Guajira, Meta, Narino, Santander, Tolima

COB Collection Records

1. Cundinamarca, Fusagasuga, Rio Cuja (18NWK6678?), 1400m; 29 Oct 64, EO, et al. Streamside rockhole in coffee plantation; water semipermanent, turbid, stagnant; no vegetation; bottom with mud, decaying vegetation; partial shade. *Ae. (Och.) fluviatilis*, *Ae. (Och.) pectinatus* (holotype), *Ae. (Och.) scutellalbum*, *Cx. (Cux.) coronator* group, *Cx. (Cux.)* sp 48.
2. Cundinamarca, Bogota, Rio San Francisco (18NXL0607), 3150m; 2 Nov 64, EO, et al. Stream margin in second growth partial forest; water permanent, turbid, stagnant; no vegetation; bottom with mud, decaying vegetation; partial shade. *Ae. (Och.) euiris* group sp 1, *Cx. (Cux.)* sp 49.
3. Cundinamarca, Soacha, about 5km SW of, Chusaca (18NWL8402), 2570m; 24 Nov 64, EO. Swamp in grassy area; water permanent, turbid, with slow current; abundant grassy, submerged vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Cux.)* sp 50.
4. Tolima, Ibague, 1250m; 27 Nov 64, LG, EO. Swamp in grassy area; water stagnant; herbaceous vegetation; bottom with decaying vegetation; full sun. *Cx. (Cux.)* sp 51.
5. Cundinamarca, Fusagasuga, "Hacienda Puerto Rico," 1500m; 1 Dec 64, EO. Swamp in grassy area; water temporary. *Cx. (Cux.) coronator* group, *Cx. (Cux.)* sp 51, *Cx. (Cux.)* sp undetermined.
6. Guajira, locality not specified; 9 Jun 65. Larval collection. *Cx. (Cux.) coronator* group.
7. Guajira, Tomarrazon, just E of, Rio Nueva (18PYT2732?), 150m; 14 Jun 65, ER. Rockhole. *Cx. (Cux.) coronator* group.
- 8-9. Not available.
10. Antioquia, Canasgordas, Buritica (18NVN0043), 1650m; 8 Jan 65, EO. Epiphytic bromeliads in plantation. *Ae. (How.) eleanorae* (holotype), *Cx. (Mcx.) imitator* subgroup, *Cx. (Mcx.)* sp 107, *Cx. (subg. B)* sp 52, *Wy. (Nuz.)* sp 24.
11. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 9 Feb 65, ER. Epiphytic bromeliad. *Ae. (How.) osornoi*, *Cx. (subg. B)* sp 53.
12. Cordoba, San Bernardo del Viento, Cano Sicara (18PVR9732), near sea level; 30 Jan 65, IC. Progeny rearing from female biting man at light in forest. *An. (Nys.) triannulatus*.
13. Bolivar, Arjona, about 30km S of, Maria La Baja (18PVS6704), 20m; 24 Feb 65, IC. Stream pool in cultivated area; water semipermanent, clear, fresh, with slow current; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Cx. (Mel.) chrysonotum*.
14. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 25 Feb 65, ER. Epiphytic bromeliads. *Ae. (How.) ?marinkellei-osornoi* hybrid, *Ae. (How.) osornoi*, *Cx.* sp undetermined.
15. Cundinamarca, Fusagasuga, "Hacienda Puerto Rico," road to Arbelaez, 1500m; 3 Mar 65, AM, EO. Borrow pit in grassy area; water semipermanent, turbid, with slow current; no vegetation; bottom with mud, decaying vegetation; full sun. *Ps. (Gra.) cingulata* group.

COB Collection Records

16. Cundinamarca, Fusagasuga, "Hacienda Puerto Rico," road to Arbelaez, 1500m; 3 Mar 65, AM, EO. Small ground pool in grassy area; water temporary, clear, with slow current; a little algae, herbaceous, submerged vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.)* sp 51.
17. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 25 Feb 65, ER. Rockhole. Specimens not available.
18. Narino, Tangua, km 34 on Pasto-El Pedregal road, "Quebrada Magdalena," 1750m; 10 Mar 65, AM, EO. Ditch in cultivated area; water permanent, clear, with slow current; no vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Cux.)* sp 48, *Cx. (Cux.)* sp undetermined.
19. Narino, Funes, about 5km N of, Pilcuan, 1720m; 12 Mar 65. Pond ("nacedero") along road; water permanent, clear, with slow current; a little vegetation; bottom with mud, decaying vegetation; partial shade. *An. (Nys.) argyritarsis*, *Cx. (Cux.)* sp 54.
20. Narino, Pasto, 23km SW of, on road to Tangua, Cebadal, 2600m; 11 Mar 65, AM, EO. Small ground pool in cultivated area; water permanent, turbid, with slow current; a little vegetation; bottom with mud, decaying vegetation; partial shade. *Cx. (Cux.)* sp 55.
21. Narino, Pasto, Laguna de la Cocha, 2800m; 11 Mar 65. Swamp in cultivated area; water clear; abundant algal scum, grassy, herbaceous vegetation; bottom with mud, decaying vegetation; full sun. *An. (Nys.) argyritarsis*, *Cx. (Cux.)* sp 48, *Cx. (Cux.)* sp 56, *Cx. (Cux.)* sp 57.
22. Narino, Iles, "Finca La Esperanza" on road between Pasto and Ipiales, 1900m; 11 Mar 65. Epiphytic bromeliads in coffee plantation. *Cx. (Cux.)* sp 58, *Cx. (Cux.)* sp 62.
23. Bolivar, Malagana, "Arroyo Viejo," 15m; 17 Mar 65, IC. Stream margin in grassy area; water permanent; a little vegetation; bottom with sand; full sun. *An.* sp undetermined, *Cx. (Cux.) coronator* group.
24. Bolivar, San Juan Nepomuceno, "El Viso," 150m; 17 Mar 65, CH, GM, RR. Adults biting and in trap in domestic area. *Ma. (Man.)* sp undetermined.
25. Santander, Lebrija, 55km from, "Uribe Uribe," 200m; 12 May 65, AM, et al. Small ground pool along road in cultivated area; water temporary, turbid, stagnant, fresh; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) corniger*, *Cx. (Cux.) quinquefasciatus*.
26. Santander, Lebrija, "Azufrada," 710m; 12 May 65, AM, et al. Small ground pool fed by seepage along road in cultivated area; water permanent, clear, with slow current; a little grassy vegetation; bottom with mud; partial shade. *An. (Nys.) argyritarsis*, *Cx. (Mel.) elevator* group, *Ur. (Ura.)* sp undetermined.
27. Santander, Lebrija, 55km from, "Uribe Uribe," 200m; 12 May 65, AM, et al. Small artificial container in second growth; water permanent, clear, no vegetation; bottom with rock, decaying vegetation; partial shade. *Cx. (Cux.) ?brevispinosus*, *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) quinquefasciatus*, *Cx. (Mel.) elevator* group, *Cx. (Mel.)* sp undetermined.
28. Santander, Puerto Wilches, about 50km E of, Sabana de Torres, 110m; 13 May 65, AM, et al. Small ground pool in domestic area; water permanent, turbid; no vegetation; bottom with gravel; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) ?maracayensis*.
29. Santander, Puerto Wilches, about 50km E of, Sabana de Torres, 110m; 13 May 65, AM, et al. Stream margin in domestic area; water permanent, very clear, fresh, with slow current; a little algae, herbaceous vegetation; bottom with sand; full sun. *An. (Ano.) peryassui*, *Cx. (Mel.)* sp undetermined.
30. Santander, Lebrija, 55km from, "Uribe Uribe," 200m; 12 May 65, AM, et al. Large ground pool along road in cultivated area; water temporary, turbid, stagnant, fresh; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) ?maracayensis*.
31. Santander, Lebrija, "Hacienda Miramar," 700m; 12 May 65, AM, et al. Ditch along road in grassy area; water permanent, clear, fresh, with very slow current; abundant scum, herbaceous vegetation; bottom with mud; full sun. *Cx. (Mel.)* spp undetermined.
32. Not available.
33. Cundinamarca, Bogota, Ciudad Universitaria (18NXL0113), 2555m; 2 Jul 65, JO. Small ground pool in partial forest; water turbid, stagnant; grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.)* sp 50.

COB Collection Records

34. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 21 Jun 65, JO. Epiphytic bromeliads in partial forest; 2.5m above ground; partial shade. *Ae. (How.) osornoi*, *Cx. (subg. B) sp 53*.
35. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 14 Jul 65, JO. Adults biting man in partial forest; 0900-1100hrs. Specimens not available.
36. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 14 Jul 65, JO. Epiphytic bromeliads in partial forest; 3m above ground; partial shade. *Ae. (How.) osornoi*, *Cx. (subg. B) sp 53*.
37. Cundinamarca, Bogota, Rio San Francisco, "Chorro de Padilla" (18NXL0409), 2650m; 14 Jul 65, JO. Terrestrial bromeliad in partial forest; deep shade. *Ae. (How.) osornoi* (holotype), *Ae. (How.) ?marinkellei-osornoi* hybrid, *Cx. (subg. B) sp 53*.
38. Meta, Restrepo, just NW of, road to Salinas de Cumaral y Upin (18NXX5872), 500m; 18 Jun 65, AM, EO, et al. Small treehole (in guava) in coffee plantation; 0.6m above ground; water temporary, turbid; bottom with decaying vegetation. *Hg. (Hag.) janthinomys*.
39. Meta, Villavicencio, about 7km SE of, Cano Grande at road to Pto. Lopez (18NXX5753), 370 m; 18 Jun 65, AM, EO, et al. Stream margin in second growth; water permanent, clear, with slow current; a little grassy, submerged vegetation; bottom with mud, decaying vegetation; partial shade. *An. (Nys.) darlingi*, *An. (Nys.) rangeli*, *Cx. (Mel.) batesi*.
40. Meta, Villavicencio, about 7km SW of, El Danubio (18NXX4651), 480m; 19 Jun 65, AM, EO, et al. Progeny rearings made from females biting man in second growth; 1030-1130hrs. *Hg. (Hag.) janthinomys*.
41. Meta, Villavicencio, about 7km SW of, El Danubio (18NXX4651), 480m; 19 Jun 65, AM, EO, et al. Small treehole (in *Inga*); 1m above ground; water clear; partial shade. *Hg. (Hag.) janthinomys*.
42. Meta, Villavicencio, about 15km SW of, San Jose (18NXX4248), 480m; 19 Jun 65, AM, EO, et al. Large ground pool; water temporary, clear, stagnant; abundant vegetation; bottom with mud; full sun. *An. (Nys.) n. sp near nuneztovari*, *An. (Nys.) rangeli*, *Cx. (Mel.) bastagarius*, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) pilosus*.
43. Meta, Pachaquiario, about 15km W of, La Fallita (18NXX8854), 240m; 20 Jun 65, AM, EO, et al. Small ground pool along road; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Cx. (Mel.) chrysonotum*, *Ps. (Gra.) cingulata* group, *Ps. (Gra.) confinnis* group.
44. Meta, Villavicencio, "Barrio Retiro" (18NXX5159), 450m; 21 Jun 65, AM, EO, et al. Large ground pool; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) cingulata* group.
45. Meta, Restrepo, about 3km E of Cumaral (18NXX7171), 380m; 22 Jun 65, AM, EO, et al. Stream margin along road in pasture; water permanent, clear, with moderate current; a little grassy vegetation; bottom with mud; partial shade. *An. (Nys.) argyritarsis*.
46. Meta, Restrepo, about 3km E of Cumaral (18NXX7171), 380m; 22 Jun 65, AM, EO, et al. Large ground pool along road in pasture; water temporary, turbid, stagnant; a little grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
47. Meta, Villavicencio, about 4km NE of, La Vanguardia (18NXX5563), 400m; 23 Jun 65, AM, EO, et al. Small treehole along road in pasture; 2m above ground; water clear; bottom with decaying vegetation; partial shade. *Ae. (Pro.) terreus* (including holotype of *apollo*), *Hg. (Hag.) janthinomys*.
48. Meta, Villavicencio, about 4km NE of, La Vanguardia (18NXX5563), 400m; 23 Jun 65, AM, EO, et al. Large ground pool along road in pasture; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) cingulata* group.
49. Meta, Restrepo, about 10km SE of, La Floresta (18NXX6766), 360m; 23 Jun 65, AM, EO, et al. Cut bamboo along road in pasture; 0.5m above ground; water clear; bottom with decaying vegetation; deep shade. *Cx. (Car.) secundus*, *Hg. (Hag.) janthinomys*, *Wy. (Pen.) arthrostigma*.
50. Meta, Restrepo, about 12km SE of, El Palmar (18NXX7065), 330m; 23 Jun 65, AM, EO, et al. Large ground pool along road in pasture; water temporary, turbid, stagnant; a little vegetation; bottom with mud, decaying vegetation; full sun. *An. (Nys.) rangeli*, *Cx. coronator* group.

COB Collection Records

51. Meta, Restrepo, along road between Restrepo and Vega Grande, "Finca Los Placeres," 320m; 26 Jun 65, AM, EO, et al. Epiphytic bromeliad in pasture; 3m above ground; partial shade. *Cx. (Mel.) flochi*, *Cx. (Mcx.) chryselatus*, *Tx. (Lyn.)* ?sp D, *Wy. (Dod.) aphobema* group sp C.
52. Meta, Restrepo, about 12km SE of, El Palmar (18NXX7065), 330m; 28 Jun 65, AM, EO, et al. Large ground pool along road in pasture; water temporary, clear, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) cingulata* group.
53. Meta, Villavicencio, about 4km SE of, Aguas Claras (18NXX5455), 400m; 29 Jun 65, AM, EO, et al. Trap (Magoon trap, baited with burro) in pasture; overnight. *An. (Nys.) allopha* (progeny rearing), *An. (Nys.) rangeli*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.) juxtamansonia*, *Cx. (Mel.) ?chrysonotum*, *Ps. (Gra.) cingulata* group.
54. Meta, Puerto Lopez, about 50km NE of, Remolino, about 400m from Rio Meta (18NYK6675), 160m; 2 Jul 65, AM, EO, et al. Cut bamboo in cultivated fields near river; 0.5m above ground; water clear; bottom with decaying vegetation; full sun. *Hg. (Hag.) celeste*, *Sa. (Sbn.) undosus*.
55. Meta, Puerto Lopez, about 50km NE of, Remolino, about 400m from Rio Meta (18NYK6675), 160m; 2 Jul 65, AM, EO, et al. Cut bamboo in cultivated fields near river; 0.8m above ground; water clear; bottom with decaying vegetation; partial shade. *Co. ?appendiculata*, *Hg. (Hag.) celeste*, *Sa. (Sbn.) undosus*, *Tx. (Lyn.)* sp undetermined.
56. Meta, Puerto Lopez, about 50km NE of, Remolino, "Finca Primavera," 170m; 2 Jul 65, AM, EO, et al. Bamboo (uncut internode) in pasture; at ground level; water clear; partial shade. *Cx. (Car.) bonnei*, *Cx.* sp undetermined, *Hg. (Hag.) celeste*, *Li. durhamii*, *Sa. (Sbn.) undosus*.
57. Not available.
58. Meta, Puerto Lopez, about 50km NE of, Remolino, "Finca Primavera," 170m; 2 Jul 65, AM, EO, et al. Bamboo (uncut internode) in pasture; 2.5m above ground; water clear; partial shade. *Sa. (Sbn.) undosus*, *Wy. (Mia.) codiocampa*.
59. Meta, Remolino, about 20km SW of, La Argentina, Cano La Emma (18NYK5357), 220m; 3 Jul 65, AM, EO, et al. Swamp interior in savanna; water permanent, clear, stagnant; abundant grassy vegetation; bottom with mud; decaying vegetation; full sun. *An. (Nys.) braziliensis*, *Cx. (Mel.)* spp undetermined.
60. Meta, Villavicencio, about 4km SE of, Aguas Claras (18NXX5455), 400m; 30 Jun 65, AM, EO, et al. Trap (Magoon trap, baited with burro) in pasture; overnight. *An. (Ano.) ?intermedius*, *An. (Nys.) braziliensis*, *An. (Nys.) rangeli*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.) juxtamansonia*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp undetermined, *Ps. (Gra.) cingulata* group.
61. Meta, Villavicencio, about 4km SE of, Aguas Claras (18NXX5455), 400m; 1 Jul 65, AM, EO, et al. Trap (Magoon trap, baited with burro) in pasture; overnight. *An. (Ano.) ?intermedius*, *An. (Nys.) rangeli*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.) juxtamansonia*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) ?chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group, *Wy.* sp undetermined.
62. Meta, Villavicencio, about 5km SE of, Rio Ocoa (18NXX5555), 390m; 6 Jul 65, AM, EO, et al. Progeny rearings from female taken in trap (Magoon trap, baited with burro) in pasture; overnight. *Ps. (Gra.) cingulata* group.
63. Meta, Villavicencio, about 5km SE of, Rio Ocoa (18NXX5555), 390m; 7 Jul 65, AM, EO. Trap (Magoon trap, baited with burro) in pasture; overnight. *An. (Ano.) ?intermedius*, *An. (Nys.) rangeli* (progeny rearing), *Ps. (Gra.) cingulata* group (progeny rearings), *Ps. (Jan.) albipes* (progeny rearing).
64. Meta, Cumaral, about 10km SE of, La Reforma (18NXX7363), 320m; 7 Jul 65, AM, EO, et al. Large ground pool in secondary forest; water temporary, turbid, stagnant; no vegetation; bottom with mud; partial shade. *Cx. (Cux.) brevispinosus*.
65. Meta, Cumaral, about 10km SE of, La Reforma (18NXX7363), 320m; 7 Jul 65, AM, EO, et al. Large ground pool in pasture; water temporary, clear, stagnant; abundant algae; bottom with mud. *Cx. (Cux.) coronator* group.
66. Meta, Villavicencio, "Tanane," 250m; 8 Jul 65, AM, EO, et al. Pond in pasture-partial forest; water permanent, clear; abundant flottage, algae, submerged vegetation; bottom with mud, decaying vegetation; partial shade. *An. (Ano.) mediopunctatus*, *An. (Nys.) argyritarsis*, *An. (Nys.) braziliensis*, *An. (Nys.) darlingi*.

COB Collection Records

67. Meta, Villavicencio, about 7km N of, Quebrada Colorada (18NXK5466), 600m; 9 Jul 65, AM, EO, et al. Epiphytic bromeliad in grassy area of second growth forest; 2m above ground. *Ae. (How.) whitmorei*, *An. (Ker.) homunculus*, *Cx. (Cux.)* sp 59, *Wy. (Wyo.) pertinans* group sp W.
68. Meta, Villavicencio, just W of, Buenavista (18NXK4760), 950m; 9 Jul 65. Epiphytic bromeliad in second growth grassy area; 8m above ground. *Ae. (How.) whitmorei*, *Cx. (Cux.)* sp 59, *Tx. (Lyn.) superbus*, *Wy. (Wyo.) pertinans* group.
69. Meta, Villavicencio, about 7km NW of, Servita (18NXK4563), 1100m; 9 Jul 65, AM, EO, et al. Epiphytic bromeliad in pasture; 3m above ground. *Tx. (Lyn.) superbus*, *Wy. (Wyo.) pertinans* group.
70. Meta, Villavicencio, "Tanane," 250m; 8 Jul 65, AM, EO, et al. Marshy depression in pasture; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *An. (Nys.) argyritarsis*, *An. (Nys.) rangeli*, *Cx.* sp undetermined, *Ps. (Gra.) confinnis* group.
71. Meta, Villavicencio, about 4km SE of, Aguas Claras (18NXK5455), 400m; 8 Aug 65, AM, EO, et al. Progeny rearings from females taken in trap (Magoon trap, baited with burro); overnight. *An. (Nys.) allopha*, *An. (Nys.) argyritarsis*.
72. Meta, Villavicencio, about 4km SE of, Aguas Claras (18NXK5455), 400m; 9 Aug 65, AM, EO, et al. Progeny rearing from female taken in trap (Magoon trap, baited with burro); overnight. *Ps. (Gra.) cingulata* group.
73. Santander, San Vicente de Chucuri, Yarima, "Finca El Castillo," ?400m; 18 Aug 65, JO. Hole in fallen balsa tree in tropical moist forest; 0.4m above ground; water clear; bottom with decaying vegetation; partial shade. *Tr. (Trc.) digitatum*.
74. Santander, San Vicente de Chucuri, Yarima, "Finca El Castillo," ?400m; 18 Aug 65, JO. Fallen palm leaf in tropical moist forest; water clear; bottom with decaying vegetation; deep shade. *Cx. (Car.) secundus*, *Li. durhamii*.
75. Santander, San Vicente de Chucuri, Yarima, "Finca El Castillo," ?400m; 18 Aug 65, JO. Fallen palm leaf in tropical moist forest; water clear; bottom with decaying vegetation; deep shade. *Tr. (Trc.) digitatum*.
76. Cordoba, San Pelayo, just N of, Carrillo (18PVQ0893), 10m; 16 Jul 65, IC. Artificial container (cement) in domestic area; water temporary, turbid, dark amber; no vegetation; partial shade. *An.* sp undetermined, *Cx. (Cux.) quinquefasciatus*.
77. Cordoba, Monteria (18PVQ0368), 15m; 16 Jul 65, IC. Small ground pool; water semipermanent, turbid; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) beauperthuyi*.
78. Cordoba, Cienaga de Oro, about 11km SW of, San Carlos (18PVQ2373), 20m; 16 Jul 65, IC. Small ground pool in grassy area; water semipermanent; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) quinquefasciatus*, *Cx. (Mel.)* sp undetermined.
79. Cordoba, Cienaga de Oro, "km 32," 20m; 17 Jul 65, IC. Small ground pool at margin of open swamp; water semipermanent, turbid, stagnant; a little vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
80. Cordoba, San Pelayo, just N of, Carrillo (18PVQ0893), 10m; 15 Jul 65, IC. Progeny rearing from female taken biting man at light in cultivated-domestic area. *Ae. (Och.) scapularis*.
81. Cordoba, Cerete, about 10km N of, San Pelayo (18PVQ0890), 10m; 15 Jul 65, IC. Progeny rearings from females taken biting man in grassy area; 0945-1015hrs. *Ae. (Och.) scapularis*.
82. Cordoba, Cienaga de Oro, about 11km SW of, San Carlos (18PVQ2373), 20m; 16 Jul 65, IC. Progeny rearing from female taken biting man; 1100-1200hrs. *Ae. (Och.) scapularis*.
83. Cundinamarca, Bogota, Ciudad Universitaria (18NXL0113), 2555m; 25 Sept 65, AM, JO. Large ground pool; water temporary, clear; abundant algae, grassy vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Cux.)* sp 50, *Ur. (Ura.)* sp 4.
84. Cundinamarca, Bogota, Rio Negro (18NXL0318), 2550m; 4 Oct 65, JO. Swamp interior in pasture; water permanent, clear, stagnant; abundant algae, grassy vegetation; bottom with mud, decaying vegetation; full sun. *Ae. (Och.) euiris* group sp 4, *Cx. (Cux.)* sp 50, *Ur. (Ura.)* sp 4.
- 85-89. Not available.
90. Cundinamarca, Suba, about 3km N of, La Conejera (18NXL0227), 2580m; 1 Nov 65, JO. Large ground pool in second growth; water temporary, clear, stagnant; no vegetation; bottom with mud; partial shade. *Ae. (Och.) euiris* group sp 5, *Ae. (Och.) euiris* group sp 12, *Cx. (Ncx.)* sp 60.

COB Collection Records

91. Not available.
92. Cundinamarca, Suba, about 3km N of, La Conejera (18NXL0227), 2580m; 7 Nov 65, AM, JO, RP. Small ground pool at edge of pasture; water semipermanent, clear; abundant flottage, herbaceous vegetation; bottom with mud; partial shade. *Ae. (Och.) deficiens* (holotype), *Ae. (Och.) euiris* group sp 12.
93. Cundinamarca, Usaquen, "Las Acacias," 2640m; 8 Nov 65, EO. Small ground pool in garden lawn; water temporary, clear; abundant vegetation; bottom with mud; full sun. *Ae. (Och.) bogotanus*, *Ae. (Och.) euiris* group sp 8.
94. Not available.
95. Cundinamarca, Soacha, "Ogamora," 2400m; 21 Nov 65, JO. Small ground pool in pasture; water temporary, clear; abundant flottage; bottom with mud; full sun. *Ae. (Och.) euiris* group sp 4.
96. Cundinamarca, Soacha, "Ogamora," 2400m; 28 Nov 65, JO. Volcanic rockhole in pasture; water temporary, clear; no vegetation; bottom with mud; full sun. *Ae. (Och.) bogotanus* (holotype), *Ae. (Och.) euiris* group sp 4, *Ur. (Ura.)* sp 4.
- 97-106. Not available.
107. Cundinamarca, Fusagasuga, "Hacienda Normandia," 1750m; 23 Sept 66, EO. Small treehole (in *Inga*) in coffee plantation; 4m above ground; partial shade. *Hg. (Hag.) andinus*.
- 108-110. Not available.
111. Cundinamarca, Bogota, Rio San Francisco (18NXL0508), 2800m; 17 Oct 66, JO, RP. Large ground pool in partial forest; water permanent, clear, stagnant; a little herbaceous vegetation; bottom with sand; partial shade. *An. (Lph.) ?oiketorakras*.

COB Locality Index

ANTIOQUIA

Buritica (18NVN0043, about 15km E of Canasgordas), 1650m.—10.

BOLIVAR

Malagana (18PVS7521, about 20km SE of Arjona), vicinity of. "Arroyo Viejo," 15m.—23.

Maria La Baja (18PVS6704, about 30km S of Arjona), 20m.—13.

San Juan Nepomuceno (18PVS9100, about 40km SE of Arjona), 150m, vicinity of. "El Viso."—24.

CORDOBA

Carrillo (18PVQ0893, just N of San Pelayo), 10m.—76, 80.

Cienaga de Oro (18PVQ3281, about 30km NE of Monteria), vicinity of. "Km 32," 20m.—79.

Monteria (18PVQ0368, capital of Cordoba, on Rio Sinu), 15m.—77.

San Bernardo del Viento (18PVR9534), just E of. Cano Sicara (18PVR9732), near sea level.—12.

San Carlos (18PVQ2373, about 11km SW of Cienaga de Oro), 20m.—78, 82.

San Pelayo (18PVQ0890, about 10km N of Cerete), 10m.—81.

CUNDINAMARCA

Bogota (18NXL0010, capital of Colombia) and immediate vicinity. Ciudad Universitaria (18NXL0113), 2555m.—33, 83. Rio Negro (18NXL0318), 2550m.—84. Rio San Francisco (18NXL0409, 0508, 0607), 2650-3150m.—2, 11, 14, 17, 34, 35, 36, 37, 111.

Chusaca (18NWL8402, about 5km SW of Soacha), 2570m.—3.

Fusagasuga (18NWK7180, about 50km SW of Bogota), vicinity of. "Hacienda Normandia," 1750m.—107. "Hacienda Puerto Rico," 1500m.—5, 15, 16. Rio Cuja (18NWK6678?), 1400m.—1.

Soacha (18NWL8606, just W of Bogota), vicinity of. "Ogamora," 2400m.—95, 96.

Suba (18NXL0124, just N of Bogota), about 3km N of. La Conejera (18NXL0227), 2580m.—90, 92.

Usaquen (18NXL0719, just N of Bogota), vicinity of. "Las Acacias," 2640m.—93.

GUAJIRA

Tomarrazon (18PYT2632, about 50km S of Riohacha), just E of. Rio Nueva (18PYT2732?), 150m.—7.

Locality not specified.—6.

COB Locality Index

META

Buenavista (18NXX4760, just W of Villavicencio), 950m.—68.

Cumaryl (18NXX6872, about 8km E of Restrepo), vicinity of. About 3km E of Cumaryl (18NXX7171), 380m.—45, 46. About 10km SE of Cumaryl, La Reforma (18NXX7363), 320m.—64, 65.

Pachaquiario (18NYK0349, about 25km W of Puerto Lopez), about 15km W of. La Fallita (18NXX8854), 240m.—43.

Remolino (18NYK6675, on Rio Meta about 50km NE of Puerto Lopez) and vicinity. About 400m from Rio Meta (18NYK6675), 160m.—54, 55. "Finca Primavera," 170m.—56, 58. About 20km SW of Remolino, La Argentina, Cano La Emma (18NYK5357), 220m.—59.

Restrepo (18NXX5971, about 15km NE of Villavicencio), 460m, vicinity of. Just NW of Restrepo, road to Salinas de Cumaryl y Upin (18NXX5872), 500m.—38. About 10km SE of Restrepo, La Floresta (18NXX6766), 360m.—49. About 12km SE of Restrepo, El Palmar (18NXX7065), 330m.—50, 52.

"Finca Los Placeres," along road between Restrepo and Vega Grande, 320m.—51.

Servita (18NXX4563, about 7km NW of Villavicencio), 1100m.—69.

Villavicencio (18NXX5159, capital of Meta) and vicinity. In Villavicencio, "Barrio Retiro," 450m.—44. About 4km SE of Villavicencio, Aguas Claras (18NXX5455), 400m.—53, 60, 61, 71, 72. About 4km NE of Villavicencio, La Vanguardia (18NXX5563), 400m.—47, 48. About 5km SE of Villavicencio, Rio Ocoa (18NXX5555), 390m.—62, 63. About 7km SE of Villavicencio, Cano Grande at road to Puerto Lopez (18NXX5753), 370m.—39. About 7km SW of Villavicencio, El Danubio (18NXX4651), 480m.—40, 41. About 7km N of Villavicencio, Quebrada Colorada (18NXX5466), 600m.—67. About 15km SW of Villavicencio, San Jose (18NXX4248), 480m.—42. "Tanane," 250m.—66, 70.

NARINO

Cebadal (1°07'N, 77°22'W, 23km SW of Pasto on road to Tangua), 2600m.—20.

Cocha, Laguna de la (1°05'N, 77°09'W, about 20km SE of Pasto), 2800m.—21.

Iles (0°58'N, 77°32'W, about 45km SW of Pasto), vicinity of. "Finca La Esperanza," along road between Pasto and Ipiates, 1900m.—22.

Pilcuan (1°02'N, 77°28'W, about 30km SW of Pasto and 5km N of Funes), 1720m.—19.

Tangua (1°06'N, 77°24'W, about 20km SW of Pasto), vicinity of. Km 34 on Pasto-El Pedregal road, "Quebrada Magdalena," 1750m.—18.

SANTANDER

Lebrija (7°07'N, 73°13'W, about 10km W of Bucaramanga), vicinity of. "Azufrada," 710m.—26.

"Hacienda Miramar," 700m.—31.

Sabana de Torres (7°24'N, 73°30'W, about 50km E of Puerto Wilches), 110m.—28, 29.

"Uribe Uribe," 55km from Lebrija, 200m.—25, 27, 30.

Yarima (=San Luis, 6°47'N, 73°35'W, about 20km SW of San Vicente de Chucuri), vicinity of. "Finca El Castillo," ?400m.—73, 74, 75.

TOLIMA

Ibague (4°27'N, 75°14'W, capital of Tolima, upper Rio Magdalena valley), 1250m.—4.

COB Species Index

Aedes (Howardina) eleanorae Berlin 1969.—10 (holotype).

Aedes (Howardina) osornoi Berlin 1969.—11, 14, 34, 36, 37 (holotype).

Aedes (Howardina) ?osornoi-marinkellei hybrid.—14, 37.

Aedes (Howardina) whitmorei Dunn 1918.—67, 68.

Aedes (Ochlerotatus) bogotanus Arnell 1976.—93, 96 (holotype).

Aedes (Ochlerotatus) deficiens Arnell 1976.—92 (holotype).

Aedes (Ochlerotatus) euiris group sp 1: possibly *milleri*, ?sp 5.—2.

Aedes (Ochlerotatus) euiris group sp 4: possibly *euiris*, ?sp 8.—84, 95, 96.

Aedes (Ochlerotatus) euiris group sp 5: possibly *milleri*, ?sp 1.—90.

Aedes (Ochlerotatus) euiris group sp 8: possibly *euiris*, ?sp 4.—93.

COB Species Index

- Aedes (Ochlerotatus) euiris* group sp 12: possibly *milleri*.—90, 92.
Aedes (Ochlerotatus) fluviatilis (Lutz 1904).—1.
Aedes (Ochlerotatus) pectinatus Arnell 1976.—1 (holotype).
Aedes (Ochlerotatus) scapularis (Rondani 1848).—80, 81, 82.
Aedes (Ochlerotatus) scutellalbum Boshell-Manrique 1939: *euiris* group.—1.
Aedes (Ochlerotatus) terreus (Walker 1856).—47 (includes holotype of *apollo*).
Anopheles (Anopheles) ?intermedius (Peryassu 1908).—60, 61, 63.
Anopheles (Anopheles) mediopunctatus (Theobald 1903).—66.
Anopheles (Anopheles) peryassui Dyar and Knab 1908.—29.
Anopheles (Kerteszia) homunculus Komp 1937.—67.
Anopheles (Lophopodomomyia) ?oiketorakras Osorno-Mesa 1947.—111.
Anopheles (Nyssorhynchus) allopha (Peryassu 1921), recorded in previous publications as *albitarsis*.—53, 71.
Anopheles (Nyssorhynchus) argyritarsis Robineau-Desvoidy 1827.—19, 21, 26, 45, 66, 70, 71.
Anopheles (Nyssorhynchus) braziliensis (Chagas 1907).—59, 60, 66.
Anopheles (Nyssorhynchus) darlingi Root 1926.—39, 66.
Anopheles (Nyssorhynchus) new sp near *nuneztovari* Gabaldon 1940.—42.
Anopheles (Nyssorhynchus) rangeli Gabaldon, Cova Garcia and Lopez 1940.—39, 42, 50, 53, 60, 61, 63, 70.
Anopheles (Nyssorhynchus) triannulatus (Neiva and Pinto 1922).—12.
Anopheles sp undetermined.—23, 76.
Coquillettidia (Rhynchoetaenia) fasciolata (Lynch Arribalzaga 1891).—53, 60, 61.
Coquillettidia (Rhynchoetaenia) juxtamansonii (Chagas 1907).—53, 60, 61.
Corethrella ?appendiculata Grabham 1906.—55.
Culex (Carrollia) bonnei Dyar 1921.—56.
Culex (Carrollia) secundus Bonne-Wepster and Bonne 1920.—49, 74.
Culex (Culex) beauperthuyi Anduze 1943.—77.
Culex (Culex) brevispinosus Bonne-Wepster and Bonne 1920.—?27, 64.
Culex (Culex) corniger Theobald 1903.—16, 25, 27.
Culex (Culex) coronator group: any of several spp.—1, 5, 6, 7, 13, 16, 23, 27, 28, 43, 44, 46, 48, 50, 52, 65, 78, 79.
Culex (Culex) declarator group: *declarator* or related sp.—16, 27.
Culex (Culex) ?maracayensis Evans 1923.—28, 30.
Culex (Culex) quinquefasciatus Say 1823.—25, 27, 33, 76, 78.
Culex (Culex) sp 48: possibly *acharistus*, near sp 49.—1, 18, 21.
Culex (Culex) sp 49: possibly *quitensis*, near sp 48.—2.
Culex (Culex) sp 50: possibly sp 56, near sp 47, 55, 61.—3, 33, 83, 84.
Culex (Culex) sp 51: *coronator* group, possibly sp 22.—4, 5, 16.
Culex (Culex) sp 54: affinities uncertain.—19.
Culex (Culex) sp 55: near sp 47, 50, 56, 61.—20.
Culex (Culex) sp 56: possibly sp 50, near sp 47, 55, 61.—21.
Culex (Culex) sp 57: larva only, similar to *nigripalpus*.—21.
Culex (Culex) sp 58: near sp 59 and 62, larva atypical of subgenus *Culex*.—22.
Culex (Culex) sp 59: near sp 58 and 62, larva atypical of subgenus *Culex*.—67, 68.
Culex (Culex) sp 62: near sp 58 and 59, larva atypical of subgenus *Culex*.—22.
Culex (Culex) sp undetermined.—5, 18, 60, 61.
Culex (Melanoconion) bastagarius Dyar and Knab 1906.—42.
Culex (Melanoconion) batesi Rozeboom and Komp 1948.—39.
Culex (Melanoconion) chrysonotum Dyar and Knab 1908.—13, 42, 43, ?53, 60, ?61.
Culex (Melanoconion) elevator group: *elevator* or related sp.—26, 27.
Culex (Melanoconion) flochi Duret 1969.—51.
Culex (Melanoconion) pilosus (Dyar and Knab 1906).—42.

COB Species Index

- Culex (Melanoconion)* sp undetermined.—27, 29, 31, 59, 60, 61, 78.
Culex (Microculex) chryselatus Dyar and Knab 1919.—51.
Culex (Microculex) ?imitator subgroup: *imitator* or related sp.—10.
Culex (Microculex) sp 107: near sp 20 from French Guiana.—10.
Culex (Neoculex) sp 60: possibly sp 13 from Costa Rica and Panama, near *derivator*.—90.
Culex (subgenus B) sp 52: near sp 46 from Panama and sp 53, possibly related to *Melanoconion*.—10.
Culex (subgenus B) sp 53: near sp 46 from Panama and sp 52, possibly related to *Melanoconion*.—11, 34, 36, 37.
Culex sp undetermined.—14, 56, 70.
Haemagogus (Haemagogus) andinus Osorno-Mesa 1944.—107.
Haemagogus (Haemagogus) celeste Dyar and Nunez Tovar 1927.—54, 55, 56.
Haemagogus (Haemagogus) janthinomys Dyar 1921.—38, 40, 41, 47, 49.
Limatus durhamii Theobald 1901.—56, 74.
Mansonia (Mansonia) sp undetermined.—24.
Psorophora (Grabhamia) cingulata group: *cingulata* or related sp.—15, 43, 44, 48, 52, 53, 60, 61, 62, 63, 72.
Psorophora (Grabhamia) confinnis group: *confinnis* or related sp.—43, 70.
Psorophora (Janthinosoma) ?albipes (Theobald 1907).—63.
Sabethes (Sabethinus) undosus (Coquillett 1906).—54, 55, 56, 58.
Toxorhynchites (Lynchiella) superbis (Dyar and Knab 1906).—68, 69.
Toxorhynchites (Lynchiella) ?sp D: near *superbis*.—51.
Toxorhynchites (Lynchiella) sp undetermined.—55.
Trichoprosopon (Trichoprosopon) digitatum (Rondani 1848).—73, 75.
Uranotaenia (Uranotaenia) sp 4: near *orthodoxa* and *paludosa*.—83, 84, 96.
Uranotaenia (Uranotaenia) sp undetermined.—26.
Wyeomyia (Dodecamyia) aphobema group sp C: *aphobema* or related sp.—51.
Wyeomyia (Miamiya) codiocampa Dyar and Knab 1907.—58.
Wyeomyia (Nunezia) sp 24: near *bicornis*.—10.
Wyeomyia (Pentemyia) arthrostigma (Lutz 1905).—49.
Wyeomyia (Wyeomyia) pertinans group sp W: near *gaudians*, sp N and V.—67.
Wyeomyia (Wyeomyia) pertinans group sp undetermined.—68, 69.
Wyeomyia sp undetermined.—61.

Code: COL

The COL collections are identified by one of the following three printed labels: //COL[handwritten 1-144]/Colombia 64-65/Univ Valle Cali//, //COL[handwritten 36-300, 401-431]/Colombia 65-66[modified to 69, in part]/Univ Valle Cali//, //CO[handwritten L440-447]/Colombia 7[handwritten 5]/Mosq Mid Amer//.

Summary of COL Collections

COL 1-300	2 Sept 1964- 20 Aug 1966	PB, JB, VL, GN, PO, EP, LR, VR, HT	Cauca, Huila, Meta, Valle
COL 301-400	Not used		
COL 401-431	16 Sept-1 Dec 1969	WP	Cordoba, Cundinamarca, Huila, Meta
COL 432-439	Not used		
COL 440-447	18-22 Jun 1975	CG	Amazonas, Guainia

COL Collection Records

1. Valle, Buenaventura, Rockefeller Foundation Virus Field Station, 300m N of, 30-40m; 2 Sept 64, VL. Bamboo pot (5 x 25cm) in mixed second growth-tropical rain forest; 1.5m above ground; water clear; no vegetation; partial shade. *Wy. (Tri.) aporonomia*.
2. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 2 Sept 64, VL. Cacao pod placed on ground in mixed second growth-tropical rain forest; water clear; partial shade. *Cx. (Car.) bonnei*, *Li. asulleptus* group sp 1.
3. Valle, Buenaventura, R. F. Virus Field Stat., 100m NW of, 30-40m; 3 Sept 64, VL. Artificial container (12 x 20 x 25 cm metal pan) in partial tropical rain forest; 0.5m above ground; water light amber; a little algae; partial shade. *Cx. (Car.) bihaicolus*, *Cx. (Car.) bonnei*, *Cx. (Car.) urichii*, *Cx. (Cux.)* sp undetermined, *Or. fascipes*.
4. Valle, Buenaventura, R. F. Virus Field Stat., 100m NW of, 30-40m; 2 Sept 64, VL. Artificial container (12 x 20 x 25cm metal pan) in partial tropical rain forest; 0.5m above ground; water light amber; a little algae; partial shade. *Cx. (Car.) bonnei*, *Cx. (Car.) urichii*, *Cx. (Cux.) corniger*, *Cx. (Cux.) ?mollis*.
5. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 3 Sept 64, VL. Adults resting inside concrete latrine; 1000hrs. *Cx. (Cux.) corniger*, *Cx. (Cux.)* sp undetermined.
6. Valle, Buenaventura, R. F. Virus Field Stat., 200m NW of, 30-40m; 15 Sept 64, VL. Artificial containers (12 x 20 x 25 cm metal pans) in partial tropical rain forest; water light amber; no vegetation; partial shade. *An. (Ano.) eiseni*, *Cx. (Car.) bonnei*, *Cx. (Cux.) ?mollis*.
7. Valle, Buenaventura, R. F. Virus Field Stat., 200m W of, 30-40m; 15 Sept 64, VL. Fallen cacao pod in partial tropical rain forest; water turbid, brown; bottom with decaying vegetation; partial shade. *Li. asulleptus* group, *Wy. (Pen.) arthrostigma*, *Wy. (Tri.)* sp undetermined.
8. Valle, Buenaventura, R. F. Virus Field Stat., 70m NW of, 30-40m; 16 Sept 64, VL. Flower bracts of *Calathea insignis* in second growth; 1m above ground; water turbid, reddish; partial shade. *Wy. (Dec.)* sp G, *Wy. (Dec.)* sp R, *Wy. (Dec.)* sp undetermined.
9. Valle, Buenaventura, R. F. Virus Field Stat., 50m NW of, 30-40m; 19 Oct 64, VL. Flower bracts of *Calathea guzmanoides* in second growth; 1m above ground; water reddish brown; partial shade. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
10. Valle, Buenaventura, R. F. Virus Field Stat., 50m W of, 30-40m; 20 Oct 64, VL. Fallen fruit rind in second growth; water clear; partial shade. Specimens lost or discarded.
11. Valle, Buenaventura, R. F. Virus Field Stat., 60m W of, 30-40m; 20 Oct 64, VL. Epiphytic bromeliad in second growth; 2m above ground; partial shade. *Cx. (Mcx.)* sp 106, *Or. phyllozoa*, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group sp C, *Wy. (Wyo.) simmsi*.
12. Valle, Buenaventura, R. F. Virus Field Stat., 70m NW of, 30-40m; 20 Oct 64, VL. Leaf axils of *Calathea lutea* in second growth; 0-0.5m above ground; water turbid; partial shade. *Tr. (Cte.) magnum*.
13. Valle, Buenaventura, R. F. Virus Field Stat., 2km W of, "Laguna Madre Vieja," 20-30m; 21 Oct 64, VL. Pond in open marsh; water permanent, clear, fresh, with slow current; abundant grassy, herbaceous, floating vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Mel.) educator*.
14. Meta, San Martin, "Finca Barbascal," 300m; 26-28 Sept 64, VL. Leaf axils of *?Phenakospermum* in tropical gallery forest; 0-2m above ground; water turbid; partial shade. *Tx. (Lyn.)* sp P.
15. Meta, San Martin, "Finca Barbascal," 300m; 26-28 Sept 64, VL. Fallen palm spathe in tropical gallery forest; water clear; deep shade. *Tx. (Lyn.) haemorrhoidalis*.
16. Huila, Purace, 28.4km SE of, 3100m; 28 Oct 64, VL. Epiphytic bromeliads in partial montane rain forest; 2-3m above ground; partial shade. *Ae. (How.) leei*.
17. Huila, Purace, 28.4km SE of, 3100m; 28 Oct 64, VL. Adults biting-landing on man and at light in car at edge of partial montane rain forest; 1715-1815hrs. *Ae. (How.) leei* (holotype), *Ae. (Och.) euiris* group.
18. Huila, Santa Leticia, 9.5km N of, 2300m; 29 Oct 64, VL. Seepage in grassy area; water clear; abundant algal scum, grassy vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Cux.) tejerai*, *Cx. (Cux.) ?sp 50*.
19. Huila, Purace, 28.4km SE of, 3100m; 30 Oct 64, VL. Terrestrial bromeliads in partial montane rain forest; partial shade. *Ae. (How.) leei*, *Cx. (subg. B)* sp Y.

COL Collection Records

20. Huila, Purace, 15.4km SE of, 3200m; 30 Oct 64, VL. Epiphytic bromeliads in pasture; 2-3m above ground; full sun. *Ae. (How.) leei*.
21. Valle, Buenaventura, R. F. Virus Field Stat., 300m SE of, 30-40m; 4 Nov 64, VL. Cut bamboo in second growth; 0.5-1m above ground; water clear; partial shade. *Cx. (Car.) secundus*, *Tr. (Trc.) pallidiventer*.
22. Valle, Cali, about 8km SE of on "CVC dike road," 1000m; 10 Nov 64, VL. Cut bamboo in grassy area; 1m above ground; water turbid, brown; partial shade. *Wy. (Pen.) arthrostigma*.
23. Valle, Cali, "Rio Ponce road 11km S of Cali and 11km W," 1300m; 13 Nov 64, VL. Cut bamboo in second growth; 0.5-1m above ground; water brownish, turbid; partial shade. *Cx. (Car.) secundus*, *Tr. (Trc.) andinum*.
24. Valle, Cali, "Rio Ponce road 11km S of Cali and 11km W," 1300m; 13 Nov 64, VL. Cut bamboo in second growth; 0.5m above ground; water turbid, yellow-brown; partial shade. *Tr. (Trc.) andinum*.
25. Valle, Buenaventura, R. F. Virus Field Stat., 500m NW of, 30-40m; 17 Nov 64, EP. Fallen leaf in partial swampy tropical rain forest; water light brown; partial shade. *Li. asulleptus*.
26. Valle, Buenaventura, R. F. Virus Field Stat., 600m NW of, 30-40m; 17 Nov 64, EP. Flower bracts of *Calathea guzmanoides* in partial swampy tropical rain forest; 1.5m above ground; water turbid, tan; full sun. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
27. Valle, Buenaventura, R. F. Virus Field Stat., 100m SW of, 30-40m; 18 Nov 64, EP. Artificial container (bamboo structure for cane press) in domestic area; 1.2m above ground; water turbid; partial shade. *Tr. (Trc.) pallidiventer*.
28. Valle, Buenaventura, R. F. Virus Field Stat., 250m S of, 30-40m; 18 Nov 64, EP. Small ground pool in cultivated area; water temporary, clear, fresh; no vegetation; bottom with mud; partial shade. *Cx. (Mel.) conspirator*, *Cx. (Mel.)* sp undetermined.
29. Valle, Buenaventura, R. F. Virus Field Stat., 150m SW of, 30-40m; 18 Nov 64, EP. Treehole (10cm wide, in breadfruit tree) in second growth; 2m above ground; water clear, tan; partial shade. *Li. asulleptus* group, *Wy. (Wyo.) pertinans* group sp C (probable contamination).
30. Valle, Buenaventura, R. F. Virus Field Stat., 100m SW of, 30-40m; 18 Nov 64, EP. Fallen coconut shell in domestic area; water clear; partial shade. *Li. asulleptus* group.
31. Valle, Buenaventura, R. F. Virus Field Stat., 600m W of, 20-30m; 19 Nov 64, EP. Fallen fruit rind ("tutumo") in domestic area; water turbid, yellow-tan; full sun. *Cx. (Cux.) compositi*, *Cx. (Cux.) ?mollis*.
32. Not available.
33. Valle, Buenaventura, R. F. Virus Field Stat., 120m NW of, 30-40m; 8 Dec 64, VL. Flower bracts of *Heliconia* in second growth; 1-1.5m above ground; water clear; partial shade. *Or. phyllozoa*, *Wy. (Dec.) eloisia* group, *Wy. (Dec.) pseudopecten* group, *Wy. (Dec.) ulocoma* group, *Wy. (Dec.)* sp undetermined.
34. Valle, Buenaventura, R. F. Virus Field Stat., 170m NW of, 30-40m; 8 Dec 64, VL. Artificial container (12 x 20 x 25cm metal pan) in partial tropical rain forest; 0.5m above ground; water very light yellow; abundant algae; bottom with mud, dead leaves; partial shade. *An. (Ano.) eiseni*, *Cx. (Car.) bonnei*, *Cx. (Car.) urichii*, *Cx. (Cux.) ?mollis*, *Cx. (Lut.) allostigma*.
35. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 9 Dec 64, VL. Bamboo pot (5 x 25cm) in partial tropical rain forest; 2m above ground; water turbid; partial shade. *Cx. (And.) browni*, *Wy. (Tri.)* sp undetermined.
36. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 13 Jan 65, VL. Bamboo pot in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Cx. (And.) browni*.
37. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 13 Jan 65, VL. Bamboo pot in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Cx. (And.) browni*.
38. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 13 Jan 65, VL. Bamboo pot in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Cx. (Car.) urichii*.
39. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 13 Jan 65, VL. Bamboo pot in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Tr. (Trc.) digitatum*.
40. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 13 Jan 65, VL. Bamboo pot

COL Collection Records

- in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Cx. (And.) browni*, *Sa. (Sab.) cyaneus*.
41. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km W of, "Garrapata," 20-30m; 13 Jan 65, VL. Treehole (5cm wide) in partial tropical rain forest; 1m above ground; water turbid, brown; partial shade. *Hg. (Hag.) boshelli*.
42. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km W of, "Garrapata," 20-30m; 13 Jan 65, VL. Treehole (0.5cm wide) in partial tropical rain forest; 0.5m above ground; water turbid, brown; deep shade. *Hg. (Hag.) boshelli*.
43. Valle, Cali, in, "Santa Teresita," 1060m; 26 Jan 65, HT. Artificial container (concrete fountain) in domestic area; water temporary, clear; no vegetation; partial shade. *Cx. (Cux.) coronator* group.
44. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 27 Jan 65, VL. Bamboo pot in partial tropical rain forest; 2m above ground; water clear; partial shade. *Cx. (Car.) bonnei*.
45. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 27 Jan 65, VL. Bamboo pot in partial tropical rain forest; 2m above ground; water clear; partial shade. *Cx. (And.) browni*.
46. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 27 Jan 65, VL. Fallen spathe in partial tropical rain forest; water clear; no vegetation; bottom with dead leaves, flowers; deep shade. *Tr. (Trc.) digitatum*.
47. Valle, Buenaventura, R. F. Virus Field Stat., hillside E of, "Cementerio Jimenez," 40-50m; 27 Jan 65, VL. Small ground pool in grassy area; water semipermanent, clear, fresh; a little grassy vegetation; bottom with mud, dead grass; full sun. *Cx. (Cux.) camposi*.
48. Valle, Buenaventura, R. F. Virus Field Stat., forest W of, 30-40m; 27 Jan 65, VL. Treehole (opening 2cm wide) in second growth; 1.5m above ground; water clear; partial shade. *Cx. (And.) browni*, *Sa. (Sab.) cyaneus*, *Wy. (Tri.)* sp undetermined.
49. Valle, Cali, Universidad del Valle, 1030m; 1 Feb 65, EP. Small ground pool in domestic area; water temporary, turbid, yellow-brown, stagnant; a little grassy vegetation; bottom with mud; deep shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) quinquefasciatus*.
50. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 8 Feb 65, VL. Flower bracts of *Heliconia* in second growth; 1-1.5m above ground; water turbid, brownish; partial shade. *Or. phyllozoa*, *Wy. (Dec.) eloisia* group, *Wy. (Dec.) pseudopecten* group, *Wy. (Dec.) ulocoma* group, *Wy. (Dec.)* sp undetermined.
51. Valle, Buenaventura, R. F. Virus Field Stat., 3km W of, 20-30m; 10 Feb 65, VL. Cut bamboo in second growth; 0.5m above ground; water clear; bottom with decaying vegetation; partial shade. *Tr. (Trc.) digitatum*, *Tr. (Trc.) pallidiventer*.
52. ?Huila, Purace, "1.5km S turnoff to Ind. Purace," 3250m; 18 Feb 65, VL. Epiphytic bromeliads in grassy area; 2-3m above ground; partial shade. *Ae. (How.) leei*.
53. Huila, Purace, 28.4km SE of, 3100m; 19 Feb 65, VL. Epiphytic bromeliads in montane rain forest; 4-5m above ground; partial shade. *Ae. (How.) leei*.
54. Huila, Purace, 28.4km SE of, 3100m; 19 Feb 65, VL. Terrestrial bromeliads in montane rain forest; deep shade. *Ae. (How.) leei*, *Cx. (subg. B)* sp Y.
55. Valle, Buenaventura, R. F. Virus Field Stat., 3km W of, "Madre Vieja," 20-30m; 10 Feb 65, VL. Epiphytic bromeliad in second growth; 2m above ground; partial shade. *Or. phyllozoa*.
56. Valle, Buenaventura, R. F. Virus Field Stat., 4km W of, near mouth of Rio Raposo, less than 10m; 23 Feb 65, VL. Treehole (in decaying trunk of naidi palm, *Euterpe cuatrecasana*) in transitional zone palm forest; 1m above ground; water turbid, brown; partial shade. *Ae. (Pro.) buenaventura* (holotype), *Cx. (And.) ?browni*, *Hg. (Hag.) boshelli*, *Wy. (Tri.)* sp 23.
57. Valle, Buenaventura, R. F. Virus Field Stat., 4km W of, near mouth of Rio Raposo, less than 10m; 23 Feb 65, VL. Epiphytic bromeliads in transitional zone palm forest; 1-1.5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) ?gaudeator*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Tx. (Lyn.) superbus*, *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
58. Valle, Buenaventura, mouth of Rio Raposo, near sea level; 2 Mar 65, VL. Epiphytic bromeliads in mangroves; 2-3m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) imitator* subgroup, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.

COL Collection Records

59. Valle, Buenaventura, R. F. Virus Field Stat., 5km from, 30-40m; 2 Mar 65, VL. Fallen banana leaf in plantation; water clear; partial shade. *Li. asulleptus* group.
60. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Bamboo pot in partial tropical rain forest; 1.5m above ground; water clear; partial shade. *Wy. (Tri.) aporonoma*.
61. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Bamboo pot in partial tropical rain forest; 1.5-2m above ground; water turbid; partial shade. *Sa. (Sab.) cyaneus*.
62. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Bamboo pot in partial tropical rain forest; 1.5-2m above ground; water clear; partial shade. *Sa. (Sab.) cyaneus*.
63. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Bamboo pot in partial tropical rain forest; 1.5-2m above ground; water turbid; partial shade. *Sa. (Sab.) cyaneus*.
64. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Bamboo pot in partial tropical rain forest; 1.5-2m above ground; water clear; partial shade. No specimens.
65. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 3 Mar 65, VL. Fallen palm spathe in partial tropical rain forest; water yellow-brown; deep shade. *An. (Ano.) eiseni*, *Cx. (Car.) bonnei*, *Cx. (Car.) metempsytus*, *Cx. (Car.) urichii*, *Cx.* sp undetermined.
66. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 4 Mar 65, PO. Artificial container (metal pan) at edge of tropical rain forest; water clear; bottom with decaying vegetation; partial shade. *Cx. (Cux.) mollis*, *Wy. (Tri.)* sp undetermined.
67. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 4 Mar 65, PO. Artificial container (metal pan) at edge of tropical rain forest; water clear; bottom with decaying vegetation; partial shade. *Cx. (Cux.) mollis*, *Li. asulleptus* group.
68. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 4 Mar 65, PO. Artificial container (metal pan) at edge of tropical rain forest; water turbid, brownish; bottom with decaying vegetation; partial shade. *Cx. (Cux.) mollis*.
69. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 4 Mar 65, PO. Artificial container (metal pan) at edge of tropical rain forest; water clear; bottom with decaying vegetation; partial shade. *Cx. (Cux.) mollis*, *Li. asulleptus*.
70. Cauca, Puerto Tejada, about 10km SW of, Villarrica, 300m W of School, 1000m; 1 Mar 65, PB, HT. Pond in grassy area; water permanent, turbid, dark brown, stagnant; abundant vegetation; bottom with mud, decaying vegetation; full sun. *Cx. (Mel.) bastagarius*, *Cx. (Mel.)* sp undetermined.
71. Cauca, Puerto Tejada, Villarrica, 3km W of, "Finca El Mango," 1000m; 1 Mar 65, PB, EP. Cut bamboo in second growth; 0.5m above ground; water turbid, brown; partial shade. *Tr. (Trc.) pallidiventer*.
72. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB, GN. Cut bamboo in partial tropical rain forest; 1.5-2m above ground; water clear; partial shade. *Cx. (Car.) secundus*, *Tr. (Trc.) pallidiventer*.
73. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB, GN. Cut bamboo in partial tropical rain forest; 1m above ground; water clear; partial shade. *Tr. (Trc.) pallidiventer*.
74. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB. Broken bamboo in partial tropical rain forest; 0.3m above ground; water turbid, light yellow. *Cx. (Car.) secundus*, *Tr. (Trc.) pallidiventer*.
75. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB, GN. Small ground pool in partial tropical rain forest; water temporary, clear, stagnant, fresh; no vegetation; bottom with decaying vegetation; deep shade. *Ae. (Och.) serratus* group, *Cx. (Mel.) elevator* group.
76. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB, GN. Small ground pool in partial tropical rain forest; water temporary, clear, stagnant, fresh; bottom with decaying vegetation; deep shade. *An. (Ano.) ?apicimacula*, *Cx. (Mel.)* sp undetermined.
77. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB, GN. Small ground pool in partial tropical rain forest; water temporary, clear, stagnant, fresh; bottom with mud, decaying vegetation; partial shade. *Cx. (Mel.) elevator* group, *Cx. (Mel.)* sp undetermined.
78. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB. Cut bamboo in partial tropical rain forest; 1m above ground; water clear. *Cx. (Car.) secundus*, *Tr. (Trc.) pallidiventer*.

COL Collection Records

79. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km S of, 30-40m; 9 Mar 65, PB. Fallen banana leaf in second growth; water clear; partial shade. *Li. asulleptus*.
80. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 16 Mar 65, VL. Fallen banana leaves in cultivated field; water clear; a little algae; full sun. *Li. asulleptus*.
81. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 16 Mar 65, VL. Small ground pool in swampy second growth; water semipermanent, clear, fresh; no vegetation; bottom with mud, decaying vegetation; deep shade. *Cx. (Mel.) ?kummi*, *Cx. (Mel.) ?mesodenticulatus*.
82. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 16 Mar 65, VL. Artificial container (metal box, 15 x 18 x 20cm) in second growth; water turbid, dark brown; no vegetation; bottom with decaying vegetation; deep shade. *Tx. (Lyn.) hypoptes*.
83. Valle, Buenaventura, R. F. Virus Field Stat., 1km SE of, 30-40m; 16 Mar 65, VL. Small ground pool in swampy partial tropical rain forest; water semipermanent, clear, fresh; no vegetation; bottom with mud, decaying vegetation; deep shade. *Ae. (Och.) serratus*, *An. (Ano.)* sp undetermined, *Cx. (Mel.) ?coppenamensis*, *Cx. (Mel.) elevator* group, *Ps. (Jan.) ferox*, *Ps. (Jan.) lutzii*.
84. Valle, Buenaventura, R. F. Virus Field Stat., 1km SE of, 30-40m; 16 Mar 65, VL. Small ground pool in swampy partial tropical rain forest; water semipermanent, clear, brownish; no vegetation; bottom with mud, decaying vegetation; deep shade. *An. (Ano.)* sp undetermined, *Cx. (Mel.) ?coppenamensis*.
85. Valle, Buenaventura, R. F. Virus Field Stat., 1km SE of, 30-40m; 16 Mar 65, VL. Leaf axils of *Calathea* or *Heliconia* in partial tropical rain forest; 0-2m above ground; water turbid, brownish; partial shade. *Tr. (Trc.)* n. sp near *digitatum*, *Wy. (Prs.)* sp undetermined.
86. Valle, Buenaventura, R. F. Virus Field Stat., 1km SE of, 30-40m; 16 Mar 65, VL. Small ground pool in swampy partial tropical rain forest; water semipermanent, clear, fresh; no vegetation; bottom with mud, decaying vegetation; deep shade. *Ae. (Och.) dupreei* group, *An. (Ano.)* sp undetermined, *Cx. (Mel.) ?coppenamensis*, *Cx. (Mel.)* spp undetermined, *Ps. (Jan.) ?lutzii*.
87. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 17 Mar 65, VL. Treehole (1cm wide) in second growth; 1.5m above ground; water turbid, brown; partial shade. *Hg. (Hag.) boshelli*.
88. Valle, Buenaventura, mouth of Rio Raposo, near sea level; 31 Mar 65, VL. Epiphytic bromeliads in mangroves; 2.5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.
89. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 31 Mar 65, VL. Treehole (2.5cm wide) in second growth; 1.5m above ground; water clear, light yellow; partial shade. *Hg. (Hag.) boshelli*, *Wy. (Tri.) aponoma*.
90. Valle, Buenaventura, R. F. Virus Field Stat., forest N of, 30-40m; 20 Apr 65, VL. Small ground pool in partial tropical rain forest; water temporary, turbid, fresh; no vegetation; bottom with mud; partial shade. *Cx. (Mel.)* sp undetermined.
91. Valle, Cali, Universidad del Valle, 1030m; 26 Apr 65, VL. Small ground pool in domestic area; water temporary, turbid, yellow-brown; no vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) quinquefasciatus*.
92. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 14 Sept 65, VL. Epiphytic bromeliads in mangroves; 2m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.
93. Valle, Buenaventura, R. F. Virus Field Stat., 30-40m; 11 Sept 65, PO. Treeholes (2 holes, 6cm wide) in partial tropical rain forest; 1m above ground; water turbid, yellow-brown; partial shade. *Cx. (Car.)* sp undetermined, *Li. asulleptus* group sp 1, *Wy. (Tri.)* sp 23.
94. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 14 Oct 65, VL. Treehole (in cut trunk of naidi palm, *Euterpe cuatrecasana*) in transitional zone palm forest; 1.7m above ground; water turbid, yellowish; partial shade. *Hg. (Hag.) boshelli*.
95. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 14 Oct 65, VL. Treehole (in cut trunk of naidi palm, *Euterpe cuatrecasana*) in transitional zone palm forest; 2m above ground; water turbid, yellowish; partial shade. *Hg. (Hag.) boshelli*, *Wy. (Jnc.) ?clasoleuca*.

COL Collection Records

96. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 14 Oct 65, VL. Treehole (in cut trunk of naidi palm, *Euterpe cuatrecasana*) in transitional zone palm forest; 2m above ground; water turbid, yellowish; partial shade. *Wy. (Tri.)* sp undetermined.
97. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 15 Oct 65, VL. Small ground pool in partial tropical rain forest; water temporary, turbid, yellowish, fresh; no vegetation; bottom with mud, leaves; partial shade. *Cx. (Cux.) ?mollis*, *Cx. (Lut.) allostigma*.
98. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 15 Oct 65, VL. Cacao pod placed on ground in tropical rain forest; water turbid, yellow-brown, fermenting; bottom with mud, plant debris; partial shade. *Cx. (Cux.) ?mollis*.
99. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 15 Oct 65, VL. Small ground pool in tropical rain forest; water semipermanent, turbid, yellowish, fresh; no vegetation; bottom with mud; partial shade. *Cx. (Cux.) ?mollis*.
100. Not available.
101. Valle, Buenaventura, R. F. Virus Field Stat., 200m N of, 30-40m; 23 Mar 65, PB. Fallen leaf in plantation; water clear; full sun. *Li. asulleptus* group.
102. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 23 Mar 65, PB. Flower bracts of *Calathea* or *Heliconia* in partial tropical rain forest; 1m above ground; water clear, light yellow; partial shade. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
103. Valle, Buenaventura, R. F. Virus Field Stat., 320m N of, 30-40m; 23 Mar 65, PB, GN. Fallen leaf in partial tropical rain forest; water clear; deep shade. *Li. asulleptus* group sp 1.
104. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 23 Mar 65, PB. Flower bracts of *Calathea* or *Heliconia* in partial tropical rain forest; 1.2m above ground; water clear, yellow; deep shade. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
105. Valle, Buenaventura, R. F. Virus Field Stat., 350m N of, 30-40m; 23 Mar 65, PB. Flower bracts of *Calathea* or *Heliconia* in partial tropical rain forest; water clear, dark yellow. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
106. Valle, Buenaventura, R. F. Virus Field Stat., 330m N of, 30-40m; 23 Mar 65, PB, GN. Fallen leaf in partial tropical rain forest; water clear; deep shade. *Li. asulleptus* group sp 1.
107. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 23 Mar 65, PB. Flower bracts of *Calathea* or *Heliconia* in partial tropical rain forest; 1m above ground; water clear, light yellow; partial shade. *Wy. (Dec.)* sp H, *Wy. (Dec.)* sp undetermined.
108. Valle, Buenaventura, R. F. Virus Field Stat., N of, 30-40m; 23 Mar 65, PB. Small artificial container at edge of forest; partial shade. *Cx. (Car.) urichii*, *Cx. (Cux.) ?mollis*, *Wy. (Tri.)* sp undetermined.
109. Valle, Buenaventura, R. F. Virus Field Stat., 50m N of, 30-40m; 23 Mar 65, PB, GN. Small artificial container at edge of forest; water turbid, brown; bottom with leaves; deep shade. *Tx. (Lyn.) hypoptes*.
110. Valle, Buenaventura, R. F. Virus Field Stat., 4km W of, near mouth of Rio Raposo, less than 10m; 5 May 65, PB, VR. Treehole (in stump of naidi palm, *Euterpe cuatrecasana*) in transitional zone palm forest; 1m above ground; water dark brown; bottom with leaves; full sun. *Ae. (Pro.) buenaventura*, *Hg. (Hag.) boshelli*.
111. Valle, Buenaventura, R. F. Virus Field Stat., 4km W of, near mouth of Rio Raposo, less than 10m; 5 May 65, PB, VR. Epiphytic bromeliad in transitional zone palm forest; 2m above ground; partial shade. No specimens.
112. Valle, Buenaventura, R. F. Virus Field Stat., 4km W of, near mouth of Rio Raposo, less than 10m; 5 May 65, PB. Epiphytic bromeliad in transitional zone palm forest; 2.5m above ground; partial shade. *Cx. (Mcx.) daumastocampa*.
113. Valle, Buenaventura, R. F. Virus Field Stat., 3km W of, Rio Raposo, 10-20m; 5 May 65, PB. Epiphytic bromeliad (on tree trunk over river) in second growth; 1.5m above ground; full sun. *Cx. (Mcx.) daumastocampa*, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
114. Valle, Cali, finca near, 1000m; 26 May 65, PB, EP. Large ground pool in grassy area; water temporary, clear, yellowish, stagnant; abundant grassy vegetation; bottom with decaying vegetation; partial shade. *Cx. (Cux.) ?chidesteri*.

COL Collection Records

115. Valle, Cali, "CVC road about 5km W of Paso de la Barca," 1000m; 26 May 65, EP. Stream margin in second growth; partial shade. *Cx. (Cux.) ?chidesteri*.
116. Cauca, Purace, "trail to Termales de San Juan," 3200m; 10 Jul 65, HT. Seepage in montane rain forest; water permanent, clear, with slow current; a little algae, *Equisetum*; bottom with mud; partial shade. *Ae. (Och.) euiris* group sp 10, *Ae. (Och.) euiris* group sp 11.
117. Not available.
118. Valle, Darien, 200m W of "New Calima Dam," Rio Calima, 1500m; 31 Aug 65, PB, JB, HT. Stream margin in clearing of subtropical forest; water semipermanent, clear, with slow current; a little algae; bottom with gravel, plant debris; full sun. *An. (Ano.) pseudopunctipennis*.
119. Valle, Restrepo, about 15km W of, Loboguerrero, 3-4km E of, 550m; 31 Aug 65, PB, JB. Terrestrial bromeliad in grazing area; partial shade. *Cx. (Cux.)* sp undetermined, *Wy. (Wyo.) pertinans* group.
120. Valle, Darien, 200m W of "New Calima Dam," 1500m; 31 Aug 65, JB, VL. Leaf axils of *Calathea* or *Heliconia* in clearing in subtropical forest; 0.5-1m above ground; water clear; partial shade. *Tr.* (subg. A) *ulopus*.
- 121-124. Not available.
125. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 4 Nov 65, VL. Terrestrial bromeliads (8 plants) in tropical rain forest; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp K, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group.
126. Valle, Buenaventura, R. F. Virus Field Stat., 1km W of, 20-30m; 4 Nov 65, VL. Terrestrial bromeliads (2 pineapples) in plantation; full sun. *An. (Ker.) neivai*, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group.
127. Valle, Buenaventura, R. F. Virus Field Stat., 1km W of, 20-30m; 4 Nov 65, VL. Terrestrial bromeliads (2 pineapples) in plantation; full sun. *An. (Ker.) neivai*, *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) pertinans* group.
128. Valle, Buenaventura, R. F. Virus Field Stat., 1km W of, 20-30m; 4 Nov 65, VL. Terrestrial bromeliads (about 20 pineapples) in plantation; full sun. *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group.
129. Valle, Buenaventura, R. F. Virus Field Stat., 200m down river, 30-40m; 5 Nov 65, PO. Large ground pool in plantation; water semipermanent, clear, fresh; bottom with gravel; full sun. *Cx. (Cux.) coronator* group.
130. Valle, Buenaventura, R. F. Virus Field Stat., 1km W of, 20-30m; 5 Nov 65, PO. Terrestrial bromeliad (1 pineapple) in plantation; full sun. *Wy. (Hys.)* sp L, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group.
131. Valle, Buenaventura, R. F. Virus Field Stat., 1km W of, 20-30m; 5 Nov 65, PO. Fallen palm frond in plantation; water clear; full sun. *Li. asulleptus* group.
132. Valle, Buenaventura, R. F. Virus Field Stat., W of, 20-30m; 5 Nov 65, PO. Epiphytic bromeliad (1 large) in plantation; 2m above ground; partial shade. *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined.
133. Valle, Buenaventura, R. F. Virus Field Stat., W of, 20-30m; 5 Nov 65, PO. Epiphytic bromeliad (1 medium) in plantation; 2m above ground; partial shade. *Cx. (Mcx.)* sp 106, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) pertinans* group, *Wy. (Wyo.) simmsi*.
134. Valle, Buenaventura, R. F. Virus Field Stat., W of, "Madre Vieja," 20-30m; 5 Nov 65, LR. Artificial container (old canoe) in clearing; water temporary, clear, fresh; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Mel.)* sp undetermined.
135. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 18 Nov 65, VL. Epiphytic bromeliads (2) in mangroves; 2.2m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
136. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 2 Dec 65, VL. Bamboo pot (open at top) in tropical rain forest; 11-12m above ground; water temporary, clear; partial shade. *Wy.* (subg. D) *?chalcocephala*.

COL Collection Records

137. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 2 Dec 65, VL. Bamboo pot (with 2cm hole in side near top) in tropical rain forest; 11-12m above ground; water temporary, clear, yellowish; partial shade. *Wy.* (subg. D) ?*chalcocephala*, undetermined sabethine larva.
138. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 2 Dec 65, VL. Bamboo pot (with 2cm hole in side near top) in tropical rain forest; 11-12m above ground; water temporary, clear, yellowish; partial shade. *Wy.* (subg. D) ?*chalcocephala*.
139. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 16 Dec 65, VL. Bamboo pot (with 2cm hole in side near top) in tropical rain forest; 11-12m above ground; water temporary, clear; partial shade. *Sa. (Sab.) cyaneus*.
140. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 16 Dec 65, VL. Bamboo pot (open at top) in tropical rain forest; 11-12m above ground; water temporary, clear; partial shade. *Sa. (Sab.) cyaneus*.
141. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 16 Dec 65, VL. Bamboo pot (open at top) in tropical rain forest; 11-12m above ground; water temporary, clear; partial shade. *Sa. (Sab.) cyaneus*.
142. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 16 Dec 65, VL. Treehole (5cm wide, in fallen "soroga" tree, ?*Vochisia ferruginea*) in tropical rain forest; 10m above ground; water turbid; bottom with plant debris; partial shade. No specimens.
143. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 17 Dec 65, VL. Treehole (5cm wide, in fallen "nato" tree, *Mora*) in transitional zone palm forest; 6m above ground; water turbid, dark brown; partial shade. *Hg. (Hag.) boshelli*.
144. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 17 Dec 65, VL. Treehole (10cm wide, in fallen "nato" tree, *Mora*) in transitional zone palm forest; 11m above ground; water turbid, dark brown; partial shade. *Ae. (Pro.) buenaventura*, *Cx. (And.)* sp undetermined, *Hg. (Hag.) boshelli*.
145. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 19 Jan 66, VL. Bamboo pot (2cm hole in side near top) in tropical rain forest; 13m above ground; water temporary, clear, yellowish, foul; partial shade. *Sa. (Sab.) cyaneus*.
146. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 19 Jan 66, VL. Bamboo pot (2cm hole in side near top) in tropical rain forest; 13m above ground; water temporary, clear, yellowish, foul; partial shade. *Cx. (And.) browni*, *Sa. (Sab.) cyaneus*.
147. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 19 Jan 66, VL. Bamboo pot (top open) in tropical rain forest; 13m above ground; water temporary, clear, yellowish, foul; partial shade. *Cx. (And.) browni*.
148. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 19 Jan 66, VL. Bamboo pot (top open) in tropical rain forest; 13m above ground; water temporary, clear, yellowish, foul; partial shade. *Cx. (And.) browni*, *Sa. (Sab.) cyaneus*.
149. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 23 Mar 66, VL. Bamboo pot (2cm hole in side near top) in tropical rain forest; 13m above ground; water temporary, clear, yellowish, foul; partial shade. *Cx. (And.) browni*.
150. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 23 Mar 66, VL. Bamboo pot (top open) in tropical rain forest; 13m above ground; water temporary, clear, light yellow, foul; partial shade. *Cx. (And.) browni*.
151. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 23 Mar 66, VL. Bamboo pot (top open) in tropical rain forest; 13m above ground; water temporary, clear; partial shade. *Cx. (And.) browni*.
152. Valle, Buenaventura, R. F. Virus Field Stat., W of, 20-30m; 24 Mar 66, VL. Leaf axils of terrestrial aroid (*Xanthosoma*) in cultivated area; partial shade. *Tr.* (subg. A) *ulopus*, *Wy. (Prs.)* sp undetermined.
- 153-199. Not available.
200. Valle, Buenaventura, R. F. Virus Field Stat., 400m W of, 30-40m; 26 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) ?daumas-tocampa*, *Wy. (Hys.)* sp M.

COL Collection Records

201. Valle, Buenaventura, R. F. Virus Field Stat., 300m N of, 30-40m; 26 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; water present; partial shade. No larvae.
202. Valle, Buenaventura, R. F. Virus Field Stat., 400m W of, 30-40m; 27 Mar 66, PO. Epiphytic bromeliad in cultivated area; 10m above ground; no water; full sun. No larvae.
203. Valle, Buenaventura, R. F. Virus Field Stat., 300m W of, 30-40m; 27 Mar 66, PO. Epiphytic bromeliad in cultivated area; 15m above ground; no water; full sun. No larvae.
204. Valle, Buenaventura, R. F. Virus Field Stat., 600m N of, 30-40m; 28 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 8m above ground; no water; partial shade. No larvae.
205. Valle, Buenaventura, R. F. Virus Field Stat., 600m N of, 30-40m; 28 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 15m above ground; partial shade. *Cx. (Mcx.) daumastocampa*.
206. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km N of, 40-50m; 28 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; partial shade. *Cx. (Mcx.) daumastocampa*.
207. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km N of, 40-50m; 28 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; partial shade. *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) jenningsi* subgroup, *Wy. (Hys.)* sp undetermined.
208. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km N of, 40-50m; 28 Mar 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; water present; partial shade. Larvae present but not available.
209. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km N of, 40-50m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 6m above ground; water present; partial shade. No larvae.
210. Valle, Buenaventura, R. F. Virus Field Stat., 1.5km N of, 40-50m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; water present; partial shade. No larvae.
211. Valle, Buenaventura, R. F. Virus Field Stat., 1km N of, 30-40m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 4.5m above ground; water present; partial shade. No larvae.
212. Valle, Buenaventura, R. F. Virus Field Stat., 700m NE of, 40-50m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; no water; partial shade. No larvae.
213. Valle, Buenaventura, R. F. Virus Field Stat., 300m NE of, 40-50m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; water present; partial shade. No larvae.
214. Valle, Buenaventura, R. F. Virus Field Stat., 200m NE of, 40-50m; 1 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; no water; partial shade. No larvae.
215. Valle, Buenaventura, R. F. Virus Field Stat., 50m N of, 30-40m; 1 Apr 66, PO. Terrestrial bromeliad in clearing; water present; full sun. Larvae present but not available.
216. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 5m above ground; partial shade. *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Nuz.)* sp 24.
217. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 3m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.
218. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 4m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.) pleuristriatus* group, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
219. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 4.5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.) pleuristriatus* group, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
220. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 5m above ground; water present; partial shade. No larvae.
221. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 1.5m above ground; partial shade. *Hg. (Hag.) boshelli*, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined.
222. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; no water; partial shade. No larvae.

COL Collection Records

223. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 4 Apr 66, PO. Epiphytic bromeliad in mangroves; 1.5m above ground; water present; partial shade. No larvae.
224. Valle, Buenaventura, R. F. Virus Field Stat., 350m W of, 30-40m; 4 Apr 66, PO. Epiphytic bromeliad in cultivated area; 6m above ground; water present; full sun. No larvae.
225. Valle, Buenaventura, R. F. Virus Field Stat., 350m W of, 30-40m; 4 Apr 66, PO. Epiphytic bromeliad in cultivated area; 5m above ground; no water; full sun. No larvae.
226. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 18 Apr 66, PO. Epiphytic bromeliad in mangroves; 1.5m above ground; partial shade. *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) jenningsi* subgroup, *Wy. (Hys.)* sp undetermined.
227. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 18 Apr 66, PO. Epiphytic bromeliad in mangroves; 5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.
228. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 18 Apr 66, PO. Epiphytic bromeliad in mangroves; 3.5m above ground; partial shade. *Cx. (Mcx.) daumastocampa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
229. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 18 Apr 66, PO. Epiphytic bromeliad in transitional zone palm forest; 7m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
230. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 18 Apr 66, PO. Epiphytic bromeliad in transitional zone palm forest; 3m above ground; partial shade. *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp undetermined.
231. Valle, Buenaventura, near mouth of Rio Raposo, less than 10m; 18 Apr 66, PO. Epiphytic bromeliad in transitional zone palm forest; 5m above ground; partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined.
232. Valle, Buenaventura, R. F. Virus Field Stat., 350m W of, 30-40m; 18 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; partial shade. *An. (Ker.) neivai*, *Wy. (Hys.)* sp undetermined.
233. Valle, Buenaventura, R. F. Virus Field Stat., 350m W of, 30-40m; 18 Apr 66, PO. Epiphytic bromeliad in tropical rain forest; 3.5m above ground; partial shade. *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined.
234. Valle, Buenaventura, R. F. Virus Field Stat., SW of, 30-40m; 18 Apr 66, PO. Epiphytic bromeliad in plantation; 4m above ground; partial shade. No specimens.
235. Not used.
236. Valle, Buenaventura, R. F. Virus Field Stat., near, 30-40m; 18 Apr 66, PO. Epiphytic bromeliad; 3.5m above ground. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined.
237. Valle, Buenaventura, R. F. Virus Field Stat., across Rio Raposo from, 30-40m; 28 Apr 66, PO. Epiphytic bromeliad in plantation; 2.5m above ground; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) melanopus*, *Wy. (Wyo.) pertinans* group, *Wy. (Wyo.) simmsi*.
238. Valle, Buenaventura, R. F. Virus Field Stat., across Rio Raposo from, 30-40m; 28 Apr 66, PO. Epiphytic bromeliad in plantation; 2.5m above ground; partial shade. No specimens.
239. Valle, Buenaventura, R. F. Virus Field Stat., N of, 30-40m; 2 May 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; partial shade. No specimens.
240. Valle, Buenaventura, R. F. Virus Field Stat., 400m N of, 30-40m; 2 May 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; partial shade. *An. (Ker.) neivai*, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24.
241. Valle, Buenaventura, R. F. Virus Field Stat., 200m NE of, 40-50m; 2 May 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp M, *Wy. (Hys.)* sp undetermined.

COL Collection Records

242-243. Not available.

244. Valle, Buenaventura, San Francisco Javier, 80m; 9 May 66, PO. Epiphytic bromeliad in plantation-domestic area; 2m above ground; water volume 70ml, pH6; partial shade. *Cx. (Mcx.) ?gaudeator*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Tx. (Lyn.)* sp undetermined, *Wy. (Wyo.) simmsi*.

245. Valle, Buenaventura, San Francisco Javier, 80m; 9 May 66, PO. Epiphytic bromeliad in plantation-domestic area; 3m above ground; water volume 250ml, pH5; partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.) pertinans* group.

246. Valle, Buenaventura, San Francisco Javier, 80m; 9 May 66, PO. Epiphytic bromeliad in plantation; 5m above ground; water volume 60ml, pH5; partial shade. *An. (Ker.) neivai*, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Wyo.) simmsi*.

247. Valle, Buenaventura, San Francisco Javier, 90m; 9 May 66, PO. Epiphytic bromeliad in tropical rain forest; 2.5m above ground; water volume 50ml, pH4-6; deep-partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.) simmsi*.

248. Valle, Buenaventura, San Francisco Javier, 80m; 9 May 66, PO. Epiphytic bromeliad in cultivated area; 2.5m above ground; water volume 560ml, pH4-6. *Or. phyllozoa*, *Wy. (Wyo.) simmsi*.

249. Valle, Buenaventura, San Francisco Javier, 80m; 9 May 66, PO. Epiphytic bromeliad in cultivated-domestic area; 1.5m above ground; no water; full sun. No larvae.

250. Valle, Buenaventura, San Francisco Javier, 80m; 10 May 66, PO. Epiphytic bromeliad in cultivation-domestic area; 4m above ground; water volume 52ml, pH4-6; full sun. No larvae.

251. Valle, Buenaventura, San Francisco Javier, 80m; 10 May 66, PO. Epiphytic bromeliad in cultivation-domestic area; 4m above ground; water volume 276ml, pH4-6; full sun. No larvae.

252. Valle, Buenaventura, San Francisco Javier, 80m; 11 May 66, PO. Epiphytic bromeliad in cultivated area; 1.5m above ground; water volume 769ml, pH5; partial shade. *Cx. (Mcx.) ?gaudeator*, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.

253. Valle, Buenaventura, San Francisco Javier, 80m; 11 May 66, PO. Epiphytic bromeliad in plantation; 1m above ground; water volume 150ml, pH4-6; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) pertinans* group.

254. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 2.5m above ground; water volume 254ml, pH4-6; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) pertinans* group.

255. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 6m above ground; leaves moist, no free water; partial shade. *An. (Ker.) neivai*, *Co.* sp undetermined, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp K, *Wy. (Hys.)* sp undetermined.

256. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in plantation; 1.5m above ground; no water; partial shade. No larvae.

257. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; no water; partial shade. No larvae.

258. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; no free water; partial shade. *Wy. (Wyo.) pertinans* group.

259. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 2.5m above ground; water volume 100ml, pH5; partial shade. Larvae present but not available.

260. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 3.5m above ground; water volume 300ml, pH5; partial shade. *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined.

261. Valle, Buenaventura, San Francisco Javier, 80m; 12 May 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 10ml, pH5; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) ?gaudeator*, *Wy. (Hys.)* sp undetermined.

262. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 50ml, pH5; partial shade. Larvae present but not available.

263. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in plantation; 4m above ground; water volume 30ml, pH5. Larvae present but not available.

COL Collection Records

264. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in plantation; 7m above ground; water volume 80ml, pH5. *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
265. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in plantation; 2m above ground; no water. Larvae present but not available.
266. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4.5m above ground; water volume 270ml, pH5. *An. (Ker.) neivai*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
267. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 40ml, pH5. *Cx. (Mcx.) daumastocampa*, *Wy. (Hys.)* sp undetermined.
268. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 6m above ground; no free water. Larvae present but not available.
269. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; no free water. Larvae present but not available.
270. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 50ml, pH5. *Cx. (Mcx.) jenningsi* subgroup.
271. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; water volume 45ml, pH5; partial shade. *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24, *Wy. (Wyo.) simmsi*.
272. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; no free water; partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp F, *Wy. (Nuz.)* sp 24.
273. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 70ml, pH5; deep-partial shade. *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) stonei* group, *Cx. (Mcx.)* sp undetermined.
274. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; water volume 70ml, pH5; partial shade. *Cx. (Mcx.) jenningsi* subgroup, *Or. phyllozoa*, *Wy. (Hys.)* sp F, *Wy. (Nuz.)* sp 24.
275. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; no free water; partial shade. Larvae present but not available.
276. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 20ml, pH5; partial shade. Larvae present but not available.
277. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 2.5m above ground; water volume 30ml, pH5; partial shade. *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp undetermined, *Wy. (Nuz.)* sp 24.
278. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; no free water; partial shade. *Wy. (Hys.)* sp M, *Wy. (Nuz.)* sp 24.
279. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; water volume 750ml, pH4-6; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined, *Lz. ?* sp 2.
280. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; water volume 20ml, pH5; partial shade. *Wy. (Hys.)* sp K, *Wy. (Hys.)* sp undetermined.
281. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 500ml, pH5; partial shade. *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
282. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; no free water; partial shade. *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined.
283. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 2.5m above ground; no free water; partial shade. *Cx. (Mcx.) daumastocampa*.

COL Collection Records

284. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; water volume 30ml, pH5; partial shade. *An. (Ker.) neivai*, *Wy. (Hys.)* sp undetermined.
285. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; no free water; partial shade. Larvae present but not available.
286. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 3m above ground; water volume 25ml, pH5; partial shade. *Cx. (Mcx.) jenningsi* subgroup.
287. Valle, Buenaventura, "Leticia," 80m; 9 Jun 66, PO. Epiphytic bromeliad in tropical rain forest; 1.5m above ground; no free water; partial shade. Larvae present but not available.
288. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 8m above ground; water volume 1500ml, pH6; partial shade. *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined.
289. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 3m above ground; water volume 500ml, pH6; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*.
290. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 3m above ground; water volume 500ml, pH6; partial shade. *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp F, *Wy. (Hys.)* sp undetermined.
291. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 4m above ground; no free water; partial shade. *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Wy. (Hys.)* sp undetermined.
292. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 3m above ground; water volume 880ml, pH6; partial shade. *Cx. (Mcx.) daumastocampa*, *Wy. (Hys.)* sp undetermined.
293. Valle, Buenaventura, near mouth of Rio Raposo, near sea level; 20 Aug 66, PO. Epiphytic bromeliad in mangroves; 2m above ground; water volume 350ml, pH5; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) jenningsi* subgroup, *Cx. (Mcx.)* sp undetermined, *Or. phyllozoa*, *Wy. (Hys.)* sp B, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) pertinans* group.
294. Valle, Buenaventura, R. F. Virus Field Stat., 250m W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in plantation-domestic area; 3m above ground; water volume 2500ml; pH6; partial shade. *An. (Ker.) neivai*, *Cx. (Mcx.) daumastocampa*, *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined.
295. Valle, Buenaventura, R. F. Virus Field Stat., 250m W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in plantation-domestic area; 2m above ground; water volume 60ml, pH6; partial shade. No larvae.
296. Valle, Buenaventura, R. F. Virus Field Stat., 250m W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in plantation; 2m above ground; water volume 20ml, pH5; partial shade. No larvae.
297. Valle, Buenaventura, R. F. Virus Field Stat., 200m W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in plantation; 3m above ground; water volume 350ml, pH6; partial shade. *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined.
298. Valle, Buenaventura, R. F. Virus Field Stat., 300m W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in tropical rain forest; 2m above ground; water volume 500ml, pH5; partial shade. *Cx. (Mcx.)* sp 106, *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.) simmsi*.
299. Valle, Buenaventura, R. F. Virus Field Stat., W of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in tropical rain forest; 5m above ground; water volume 40ml, pH6; partial shade. No larvae.
300. Valle, Buenaventura, R. F. Virus Field Stat., 500m N of, 30-40m; 20 Aug 66, PO. Epiphytic bromeliad in tropical rain forest; 4m above ground; water volume 150ml, pH5; partial shade. *Cx. (Mcx.) daumastocampa*, *Or. phyllozoa*, *Wy. (Hys.)* sp undetermined, *Wy. (Wyo.) simmsi*.
- 301-400. Not used.
401. Meta, Villavicencio, 23km SE of on road to Pto. Lopez, La Libertad (18NXK7049), 320m; 16-17 Sept 69, WP. Trap (CDC light trap) in hedge between pastures; 2.5m above ground; 1800-0600hrs. *Cx. (Cux.)* spp undetermined, *Ps. (Gra.) cingulata* group.
402. Meta, Villavicencio, 23km SE of on road to Pto. Lopez, La Libertad (18NXK7049), 320m; 17 Sept 69, WP. Adult landing on man in pasture; 0600hrs; partial shade. *Ps. (Pso.) ciliata*.

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403. Meta, Villavicencio, 23km SE of on road to Pto. Lopez, La Libertad (18NXK7049), 320m; 18 Sept 69, WP. Trap (CDC light trap) at edge of pasture near stream; partial shade. *Cx. (Mel.)* sp undetermined.
404. Meta, Villavicencio, 23km SE of on road to Pto. Lopez, La Libertad (18NXK7049), 320m; 18 Sept 69, WP. Adults biting horse under trees along road; 1415hrs; deep shade. *Ae. (Och.) serratus* group, *Wy.* sp undetermined.
405. Meta, Villavicencio, about 6km NW of La Libertad by road, 330m; 18 Sept 69, WP. Adults biting man along road in tropical wet forest; 1730-1800hrs. *Ae. (Och.) serratus* group, *Tr. (Trc.) digitatum*.
406. Meta, Villavicencio, about 6km NW of La Libertad by road, 330m; 19 Sept 69, WP. Adult biting-landing on man along road in tropical wet forest; 0700hrs; full sun. *Ae. (Och.) serratus* group.
407. Meta, Villavicencio, about 6km NW of La Libertad by road, 330m; 19 Sept 69, WP. Adults biting man along road in tropical wet forest; 1400hrs; deep shade. *Ae. (Och.) serratus* group.
408. Cundinamarca, Bogota, about 30km NE of, Sopo (18NXL1743), 2600m; 21 Sept 69, WP. Adults biting-landing on man in lower montane dry forest near stream; 1500hrs. *Ae. (How.) marinkellei*.
409. Cundinamarca, Bogota, 2600m; 21 Sept 69, WP. Adult biting-landing on man in house; 2000 hrs. *Cx. (Cux.)* sp undetermined.
410. Cundinamarca, Bogota, about 30km NE of, Sopo (18NXL1743), 2600m; 21 Sept 69, WP. Pond; water permanent, stagnant. *Ae. (Och.) euiris* group, *Cx. (Ncx.)* sp 60.
411. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 24 Sept 69, WP. Large ground pool in grazing area; water semipermanent, clear, stagnant; abundant grassy vegetation; bottom with mud; full sun. *Ae. (Och.)* sp undetermined, *Ps. (Gra.)* sp undetermined.
412. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 24 Sept 69, WP. Ditch in plantation-grazing area; water permanent, clear, with slow current; a little grassy vegetation; bottom with mud; full sun. *Cx. (Mel.)* sp undetermined.
413. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 24 Sept 69, WP. Adult biting cow in grazing area; 0900hrs. *Ps. (Gra.) confinnis* group.
414. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 24 Sept 69, WP. Adults biting-landing on man and horse in grazing area; 1730hrs. *Ps. (Gra.) confinnis* group.
415. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 25 Sept 69, WP. Adults biting-landing on horse in grazing area; 0700hrs. *Ps. (Gra.) confinnis* group.
416. Huila, Neiva, about 5km W of, "Opia Farm," 430m; 26 Sept 69, WP. Adults biting-landing on man in grazing area; 0700hrs. *Ps. (Gra.) confinnis* group.
417. Huila, Neiva, outskirts of, "Livestock Diagnostic Centre," 430m; 25 Sept 69, WP. Adult biting man in lab; 0900hrs. *Ps. (Gra.) confinnis* group.
418. Huila, Neiva, about 5km W of, "Opia Farm," 50m from Rio Magdalena, 430m; 25-26 Sept 69, WP. Trap (CDC light trap) in grazing area 50m from river; 2m above ground; 1800-0600hrs. *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp undetermined.
419. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 4 Oct 69, WP. Adults biting-landing in grazing area; 0900-1100hrs; partial-full sun. *Ae. (Och.) scapularis*, *Ma. (Man.)* sp undetermined, *Ps. (Jan.) albipes*.
420. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 4 Oct 69, WP. Adults biting man along road; 1700hrs. *Ae. (Och.) scapularis*, *Ma. (Man.)* sp undetermined, *Ps. (Jan.) albipes*.
421. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 5 Oct 69, WP. Adults swarming along path by pasture; 3m above ground; 1800hrs. *An. (Nys.) albimanus*, *An. (Nys.) triannulatus*.
422. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 5-6 Oct 69, WP. Trap (CDC light trap) in bushes at edge of swamp; 2m above ground; 1800-0630hrs. *Ad. (Ady.) squamipennis*, *Ae. (Och.) scapularis*, *Ae. (Och.) serratus* group, *An. (Nys.) albimanus*, *Cq. (Rhy.) fasciolata*, *Co.* sp undetermined, *Cx. (Ads.) amazonensis*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) dumni* group, *Cx. (Mel.) ?epanastasis*,

COL Collection Records

Cx. (Mel.) spissipes, *Cx. (Mel.)* spp undetermined, *Lz.* spp undetermined, *Ma. (Man.) humeralis*, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Gra.) confinnis* group, *Ps. (Jan.) albipes*, *Ur. (Ura.) geometrica*, *Ur. (Ura.) lowii*, *Ur. (Ura.) pulcherrima*.

423. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 6 Oct 69, WP. Adults taken sweeping in pasture; 0900hrs. *Ps. (Jan.) albipes*, *Ur. (Ura.) lowii*.

424. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 6 Oct 69, WP. Adults biting cow in pasture; 1500-1700hrs; partial-full sun. *Ma. (Man.)* sp undetermined, *Ps. (Gra.) confinnis* group.

425. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 13 Oct 69, WP. Ground pool in domestic area; water temporary, turbid, stagnant, fresh; abundant grassy vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group.

426. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 14 Oct 69, WP. Animal tracks in grazing-domestic area; water temporary, turbid, stagnant, fresh; a little grassy vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group.

427-428. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 14 Oct, 24 Nov 69, WP. Adults at light in pasture at 2000-2100hrs; and adults biting-landing on cow in pasture at 1600hrs. *Ad. (Ady.) squamipennis*, *An. (Nys.) triannulatus*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.)* spp undetermined, *Ma. (Man.) humeralis*, *Ma. (Man.)* sp undetermined, *Ur. (Ura.) apicalis*, *Ur. (Ura.) lowii*.

429. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 25 Nov 69, WP. Ditch in grazing area; water semipermanent, clear, stagnant, fresh; abundant grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) dunnii* group, *Cx. (Mel.)* sp undetermined, *Ur. (Ura.) lowii*.

430. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 26 Nov 69, WP. Swamp margin in grazing area; water permanent, clear, stagnant, fresh; abundant grassy, floating (*Pistia*) vegetation; bottom with mud; full sun. *Co.* sp undetermined, *Cx. (Mel.)* spp undetermined, *Ur. (Ura.)* sp undetermined.

431. Cordoba, Monteria, 13km NE of on road to Cerete, "Turipana" (18PVQ1078?), 10m; 1 Dec 69, WP. Adults biting-landing on cow in pasture; 1730-1800hrs; full sun. *Ma. (Man.) humeralis*, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) confinnis* group.

432-439. Not used.

440. Amazonas, Leticia, "Ticuna Hotel," 90m; 22 Jun 75, CG. Adult on screen door of hotel; 0800hrs. *An. (Ano.) mattogrossensis*.

441. Guainia, "Puerto Inirida," ?22km W of, on Rio Guaviare, less than 100m; 18 Jun 75, CG. Treehole (15cm wide, in "mirrimillo" tree); 2m above ground; water volume about 250ml, brown. *Ae. (subg. B) upatensis*, *Cx. (And.)* sp undetermined.

442. Guainia, "Puerto Inirida," Cerro Mavecuri (on Rio Inirida about 40km S of confluence with Rio Guaviare), 200m; 20 Jun 75, CG. Rockhole (0.3m wide, 5cm deep); water clear; bottom with debris. *Ae. (Och.) ?fluviatilis*.

443. Guainia, "Puerto Inirida," 22km W of, on Rio Guaviare, less than 100m; 18 Jun 75, CG. Fallen cacao pods 50m from river; water brown. *Cx. (Cux.) corniger*, *Cx. (Cux.) declarator* group, *Tr. (Trc.)* sp undetermined.

444. Guainia, "Puerto Inirida," 22km W of, on Rio Guaviare, less than 100m; 18 Jun 75, CG. Snail shell (4cm wide) on ground; water clear. *Li. durhamii*.

445. Guainia, "Puerto Inirida," 22km W of, on Rio Guaviare, less than 100m; 18 Jun 75, CG. Epiphytic bromeliad; 1m above ground. *Wy.* sp undetermined.

446. Guainia, "Puerto Inirida," 0.8km W of, on Rio Inirida, less than 100m; 21 Jun 75, CG. Treehole (8cm wide) in flooded area; 1.5m above water; water light brown, volume about 1 liter. *Cx. (Mel.)* sp undetermined.

447. Guainia, "Puerto Inirida," 22km W of, on Rio Guaviare, less than 100m; 18 Jun 75, CG. Treehole (18cm wide) in fallen tree; 0.2m above ground; water volume about 300ml. *Cx. (And.)* sp undetermined, *Tx. (Lyn.)* sp undetermined.

COL Locality Index

AMAZONAS

Leticia (4°09'S, 69°57'W, capital of Amazonas, on Rio Amazonas), 90m.—440.

CAUCA

Purace (2°24'N, 76°27'W, about 20km E of Popayan, just W of Cauca-Huila border), vicinity of. "Trail to Termas de San Juan," 3200m.—116. *Also see* Purace under HUILA.

Villarrica (3°10'N, 76°27'W, about 10km SW of Puerto Tejada), 1000m, and vicinity. Near school. —70. 3km W of Villarrica, "Finca El Mango," 1000m.—71.

CORDOBA

Monteria (18PVQ0368, capital of Cordoba, on Rio Sinu), 13km NE of on road to Cerete. Instituto Colombiano Agropecuario farm, "Turipana" (18PVQ1078?), 10m.—419, 420, 421, 422, 423, 424, 425, 426, 427-428, 429, 430, 431.

CUNDINAMARCA

Bogota (18NXL0010, capital of Colombia), 2600m.—409.

Sopo (18NXL1743, about 30km NE of Bogota), 2600m.—408, 410.

GUAINIA

Guaviare, Rio, 22km W of "Puerto Inirida," less than 100m.—441, 443, 444, 445, 447.

Inirida, Rio, 0.8km W of "Puerto Inirida," less than 100m.—446.

Mavecuri, Cerro (3°30'N, 68°00'W, isolated mountain on Rio Inirida about 40km S of confluence with Rio Guaviare), 543m. Slopes of Cerro Mavecuri, 200m.—442.

HUILA

Neiva (2°56'N, 75°18'W, capital of Huila, on Rio Magdalena), 430m, vicinity of. Outskirts of Neiva, "Livestock Diagnostic Centre."—417. About 5km W of Neiva, "Opia Farm."—411, 412, 413, 414, 415, 416, 418.

Purace (2°24'N, 76°27'W, about 20km E of Popayan, in Cauca just W of Huila border), E of. "1.5 km S turnoff to Ind. Purace, 3250m."—52. 28.4km SE of Purace, 3100m.—16, 17, 19, 53, 54. 15.4km SE of Purace, 3200m.—20. *See also* Purace under CAUCA.

Santa Leticia (2°20'N, 76°13'W, about 50km SE of Popayan), 9.5km N of, 2300m.—18.

META

La Libertad (18NXX7049, Instituto Colombiano Agropecuario farm, 23km SE of Villavicencio on road to Puerto Lopez), 320m.—401, 402, 403, 404. About 6km NW of farm by road, 330m.—405, 406, 407.

San Martin (3°42'N, 73°42'W, about 50km S of Villavicencio), vicinity of. "Finca Barbascal (3°43' 20"N, 73°29'W)," 300m.—14, 15.

VALLE DEL CAUCA

Cali (3°27'N, 76°31'W, capital of Valle, on Rio Cauca) and vicinity of. Universidad del Valle in Cali, 1030m.—49, 91. In Cali, "Santa Teresita," 1060m.—43. Finca near Cali, 1000m.—114. About 8 km SE of Cali on "CVC dike road," 1000m.—22. "CVC road about 5km W of Paso de la Barca, 1000m."—115. "Rio Ponce Road 11km S of Cali and 11km W, 1300m."—23, 24.

Darien (3°56'N, 76°31'W, about 15km N of Restrepo), vicinity of. About 200m W of "New Calima Dam," Rio Calima, 1500m.—118, 120.

"*Leticia*" (on Rio Raposo about 40km E of R. F. Virus Field Station), 80m.—262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287.

Loboguerrero (3°46'N, 76°41'W, about 20km W of Restrepo), 3-4km E of, 550m.—119.

Raposo, Rio (flows into Pacific about 20km S of Buenaventura), near mouth of. In transitional (brackish water) zone palm forest, less than 10m.—56, 57, 94, 95, 96, 110, 111, 112, 143, 144, 229, 230, 231. In mangrove swamps, near sea level.—58, 88, 92, 135, 216, 217, 218, 219, 220, 221, 222, 223, 226, 227, 228, 288, 289, 290, 291, 292, 293. *See* Lee and Barreto (1959) for additional information.

COL Locality Index

Rockefeller Foundation Virus Field Station (3°41'N, 77°4'W, about 20km S of Buenaventura, on Rio Raposo about 10km from mouth) and vicinity. Many localities within a few km of station, 10-50m. —1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 21, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 47, 48, 50, 51, 55, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 89, 90, 93, 97, 98, 99, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 145, 146, 147, 148, 149, 150, 151, 152, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 224, 225, 232, 233, 234, 236, 237, 238, 239, 240, 241, 294, 295, 296, 297, 298, 299, 300. See Lee and Barreto (1959) for additional information.

San Francisco Javier (3°40'N, 77°01'W, about 20km E of R. F. Virus Field Station), 80m.—244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261.

COL Species Index

- Aedeomyia (Aedeomyia) squamipennis* (Lynch Arribalzaga 1878).—422, 427-428.
Aedes (Howardina) leei Berlin 1969.—16, 17 (holotype), 19, 20, 52, 53, 54.
Aedes (Howardina) marinkellei Berlin 1969.—408.
Aedes (Ochlerotatus) dupreei group: *hastatus*, *oligopistus* or related sp.—86.
Aedes (Ochlerotatus) euiris group sp 10: probably near *milleri*, immatures only.—116.
Aedes (Ochlerotatus) euiris group sp 11: possibly *milleri*, sp 1 or sp 5, larvae only.—116.
Aedes (Ochlerotatus) euiris group sp undetermined.—17, 410.
Aedes (Ochlerotatus) ?fluviatilis (Lutz 1904).—442.
Aedes (Ochlerotatus) scapularis (Rondani 1848).—419, 420, 422.
Aedes (Ochlerotatus) serratus (Theobald 1901).—83.
Aedes (Ochlerotatus) serratus group: *nubilus*, *serratus* and/or related sp.—75, 404, 405, 406, 407, 422.
Aedes (Ochlerotatus) sp undetermined.—411.
Aedes (Protomacleaya) buenaventura Schick 1970.—56 (holotype), 110, 144.
Aedes (subgenus B) *upatensis* Anduze and Hecht 1943.—441.
Anopheles (Anopheles) ?apicimacula Dyar and Knab 1906.—76.
Anopheles (Anopheles) eiseni Coquillett 1902.—6, 34, 65.
Anopheles (Anopheles) mattogrossensis Lutz and Neiva 1911.—440.
Anopheles (Anopheles) pseudopunctipennis Theobald 1901.—118.
Anopheles (Anopheles) sp undetermined.—83, 84, 86.
Anopheles (Kerteszia) neivai Howard, Dyar and Knab 1913.—57, 58, 88, 92, 125, 126, 127, 135, 200, 217, 218, 219, 227, 229, 232, 236, 237, 240, 246, 253, 254, 255, 261, 266, 279, 284, 289, 293, 294.
Anopheles (Nyssorhynchus) albimanus Wiedemann 1820.—421, 422.
Anopheles (Nyssorhynchus) triannulatus (Neiva and Pinto 1922).—421, 427-428.
Coquillettia (Rhynchotaenia) fasciolata (Lynch Arribalzaga 1891).—422.
Corethrella spp undetermined.—255, 422, 430.
Culex (Aedinus) amazonensis (Lutz 1905).—422.
Culex (Anoedioporpa) browni Komp 1936.—35, 36, 37, 40, 45, 48, ?56, 146, 147, 148, 149, 150, 151.
Culex (Anoedioporpa) sp undetermined.—144, 441, 447.
Culex (Carrollia) bihaicolus Dyar and Nunez Tovar 1927.—3.
Culex (Carrollia) bonnei Dyar 1921.—2, 3, 4, 6, 34, 44, 65.
Culex (Carrollia) metempsytus Dyar 1921.—65.
Culex (Carrollia) secundus Bonne-Wepster and Bonne 1920.—21, 23, 72, 74, 78.
Culex (Carrollia) urichii (Coquillett 1906).—3, 4, 34, 38, 65, 108.
Culex (Carrollia) sp undetermined.—93.
Culex (Culex) camposi Dyar 1925.—31, 47.
Culex (Culex) ?chidesteri Dyar 1921.—114, 115.
Culex (Culex) corniger Theobald 1903.—4, 5, 134, 443.

COL Species Index

- Culex (Culex) coronator* group: *camposi*, *coronator*, *ousqua*, *usquatus*, *usquatissimus* and/or related sp.—43, 49, 91, 129, 134, 422.
- Culex (Culex) declarator* group: *declarator* or related sp.—443.
- Culex (Culex) mollis* Dyar and Knab 1906.—?4, ?6, ?31, ?34, 66, 67, 68, 69, ?97, ?98, ?99, ?108.
- Culex (Culex) nigripalpus* Theobald 1901.—422, 427-428, 429.
- Culex (Culex) quinquefasciatus* Say 1823.—49, 91.
- Culex (Culex) tejerai* Cova Garcia 1962.—18.
- Culex (Culex) ?sp 50*: possibly sp 56, near sp 47, 55, 61.—18.
- Culex (Culex) sp undetermined*.—3, 5, 119, 401, 409, 418, 422, 427-428, 429.
- Culex (Lutzia) allostigma* (Howard, Dyar and Knab 1915).—34, 97.
- Culex (Melanoconion) bastagarius* Dyar and Knab 1906.—70.
- Culex (Melanoconion) chrysonotum* Dyar and Knab 1908.—418, 422.
- Culex (Melanoconion) conspirator* Dyar and Knab 1906.—28.
- Culex (Melanoconion) ?coppenamensis* Bonne-Wepster and Bonne 1920.—83, 84, 86.
- Culex (Melanoconion) dunni* group: *dunni* or related sp.—422, 429.
- Culex (Melanoconion) educator* Dyar and Knab 1906.—13.
- Culex (Melanoconion) elevator* group: *elevator* or related sp.—75, 77, 83.
- Culex (Melanoconion) ?epanastasis* Dyar 1922.—422.
- Culex (Melanoconion) ?kummi* Komp and Rozeboom 1951.—81.
- Culex (Melanoconion) ?mesodenticulatus* Galindo and Mendez 1961.—81.
- Culex (Melanoconion) spissipes* (Theobald 1903).—422.
- Culex (Melanoconion) sp undetermined*.—28, 70, 76, 77, 86, 90, 134, 403, 412, 418, 422, 427-428, 429, 430, 446.
- Culex (Microculex) daumastocampa* Dyar and Knab 1908.—57, 92, 112, 113, 125, ?200, 205, 206, 207, 226, 227, 228, 229, 236, 267, 273, 279, 281, 283, 289, 292, 294, 300.
- Culex (Microculex) ?gaudeator* Dyar and Knab 1907.—57, 244, 252, 261.
- Culex (Microculex) imitator* subgroup: *imitator* or related sp.—58.
- Culex (Microculex) jenningsi* subgroup: *jenningsi*, sp C, sp D and/or related sp.—57, 58, 88, 92, 135, 207, 216, 218, 219, 226, 244, 270, 274, 281, 282, 286, 288, 289, 291, 293.
- Culex (Microculex) pleuristriatus* group: sp near *pleuristriatus*.—218, 219.
- Culex (Microculex) stonei* group: sp near *stonei*.—273.
- Culex (Microculex) sp 106*: near sp 20 from French Guiana and sp 24 from Ecuador.—11, 132, 133, 233, 236, 260, 279, 281, 294, 297, 298.
- Culex (Microculex) sp undetermined*.—57, 58, 88, 92, 125, 126, 132, 135, 216, 217, 218, 219, 227, 229, 231, 233, 236, 237, 241, 244, 245, 247, 252, 253, 254, 255, 260, 272, 273, 279, 281, 282, 288, 289, 290, 291, 293, 294, 297, 298.
- Culex (Neoculex) sp 60*: possibly sp 13 from Panama, near *derivator*.—410.
- Culex* (subgenus B) sp Y: near sp 46 from Panama, and sp 52 and 53; group with unique larva, possibly related to *Melanoconion*.—19, 54.
- Culex sp undetermined*.—65.
- Haemagogus (Haemagogus) boshelli* Osorno-Mesa 1944.—41, 42, 56, 87, 89, 94, 95, 110, 143, 144, 221.
- Limatus asulleptus* (Theobald 1903).—25, 69, 79, 80.
- Limatus asulleptus* group sp 1: new sp near *asulleptus*.—2, 93, 103, 106.
- Limatus asulleptus* group sp undetermined.—7, 29, 30, 59, 67, 101, 131.
- Limatus durhamii* Theobald 1901.—444.
- Lutzomiops ?sp 2*: possibly *pallida*.—279.
- Lutzomiops spp undetermined*.—422.
- Mansonia (Mansonia) humeralis* Dyar and Knab 1916.—422, 427-428, 431.
- Mansonia (Mansonia) sp undetermined*.—419, 420, 422, 424, 427-428, 431.
- Orthopodomyia fascipes* (Coquillett 1905).—3.
- Orthopodomyia phyllozoa* (Dyar and Knab 1907).—11, 33, 50, 55, 57, 58, 88, 92, 113, 135, 216, 217, 219, 221, 227, 229, 244, 246, 248, 252, 253, 260, 274, 289, 293, 300.

COL Species Index

- Psorophora (Grabhamia) cingulata* group: *cingulata* or related sp.—401, 422.
Psorophora (Grabhamia) confinnis group: *confinnis* or related sp.—413, 414, 415, 416, 417, 422, 424, 425, 426, 431.
Psorophora (Grabhamia) sp undetermined.—411.
Psorophora (Janthinosoma) albipes (Theobald 1907).—419, 420, 422, 423.
Psorophora (Janthinosoma) ferox (Humboldt 1819).—83.
Psorophora (Janthinosoma) lutzii (Theobald 1901).—83, ?86.
Psorophora (Psorophora) ciliata (Fabricius 1794).—402.
Sabethes (Sabethes) cyaneus (Fabricius 1805).—40, 48, 61, 62, 63, 139, 140, 141, 145, 146, 148.
Toxorhynchites (Lynchiella) haemorrhoidalis (Fabricius 1787).—15.
Toxorhynchites (Lynchiella) hypoptes (Knab 1907).—82, 109.
Toxorhynchites (Lynchiella) superbus (Dyar and Knab 1906).—57.
Toxorhynchites (Lynchiella) sp P: possibly *moengoensis*.—14.
Toxorhynchites (Lynchiella) sp undetermined.—244, 447.
Trichoprosopon (Ctenogoeldia) magnum (Theobald 1905).—12.
Trichoprosopon (Trichoprosopon) andinum Levi-Castillo 1953.—23, 24.
Trichoprosopon (Trichoprosopon) digitatum (Rondani 1848).—39, 46, 51, 405.
Trichoprosopon (Trichoprosopon) new sp near *digitatum*.—85.
Trichoprosopon (Trichoprosopon) pallidiventer (Lutz 1905).—21, 27, 51, 71, 72, 73, 74, 78.
Trichoprosopon (Trichoprosopon) sp undetermined.—443.
Trichoprosopon (subgenus A) *ulopus* (Dyar and Knab 1906).—120, 152.
Uranotaenia (Uranotaenia) apicalis Theobald 1903.—427-428.
Uranotaenia (Uranotaenia) geometrica Theobald 1901.—422.
Uranotaenia (Uranotaenia) lowii Theobald 1901.—422, 423, 427-428, 429.
Uranotaenia (Uranotaenia) pulcherrima Lynch Arribalzaga 1891.—422.
Uranotaenia (Uranotaenia) sp undetermined.—430.
Wyeomyia (Decamyia) eloisa group: *eloisa* or related sp.—33, 50.
Wyeomyia (Decamyia) pseudopecten group: sp near *pseudopecten*.—33, 50.
Wyeomyia (Decamyia) ulocoma group: sp near *ulocoma*.—33, 50.
Wyeomyia (Decamyia) sp G: male genitalia distinct.—8.
Wyeomyia (Decamyia) sp H: male genitalia distinct.—9, 26, 102, 104, 105, 107.
Wyeomyia (Decamyia) sp R: pupa distinctive, male not known.—8.
Wyeomyia (Decamyia) sp undetermined.—8, 9, 26, 33, 50, 102, 104, 105, 107.
Wyeomyia (Hystatomyia) sp B: possibly *circumcincta*, near sp A and C.—58, 88, 92, 135, 217, 219, 228, 229, 237, 246, 264, 266, 272, 281, 282, 290, 293.
Wyeomyia (Hystatomyia) sp F: near *coenonus*, sp E and sp J.—57, 125, 127, 230, 272, 274, 277, 290.
Wyeomyia (Hystatomyia) sp K: male genitalia distinctive.—125, 255, 280.
Wyeomyia (Hystatomyia) sp L: male genitalia distinctive.—130.
Wyeomyia (Hystatomyia) sp M: possibly sp A or *circumcincta*.—200, 241, 278.
Wyeomyia (Hystatomyia) sp undetermined.—57, 58, 88, 92, 113, 125, 126, 127, 128, 133, 135, 207, 218, 219, 221, 226, 227, 228, 229, 230, 231, 232, 236, 237, 240, 241, 252, 253, 254, 255, 260, 261, 264, 266, 267, 271, 277, 280, 281, 282, 284, 288, 290, 291, 292, 293, 300.
Wyeomyia (Janicemyia) ?clasoleuca Dyar and Knab 1908.—95.
Wyeomyia (Nunezia) sp 24: near *bicornis*.—58, 88, 92, 216, 217, 227, 240, 271, 272, 274, 277, 278.
Wyeomyia (Pentemyia) arthrostigma (Lutz 1905).—7, 22.
Wyeomyia (Prosopolepis) sp undetermined.—85, 152.
Wyeomyia (Triamyia) aporonoma Dyar and Knab 1906.—1, 60, 89.
Wyeomyia (Triamyia) sp 23: male genitalia distinctive.—56, 93.
Wyeomyia (Triamyia) sp undetermined.—7, 35, 48, 66, 96, 108.
Wyeomyia (Wyeomyia) melanopus Dyar 1919.—11, 125, 126, 128, 130, 237.
Wyeomyia (Wyeomyia) pertinans group sp C: possibly *comptocomma*, near sp Q.—11, 29 (probable contamination).

COL Species Index

- Wyeomyia (Wyeomyia) pertinans* group sp undetermined.—119, 125, 126, 127, 128, 130, 133, 237, 245, 253, 254, 258, 293.
Wyeomyia (Wyeomyia) simmsi (Dyar and Knab 1908).—11, 57, 58, 88, 92, 113, 133, 217, 218, 219, 227, 237, 244, 246, 247, 248, 252, 264, 271, 298, 300.
Wyeomyia (subgenus D) ?*chalcocephala* Dyar and Knab 1906.—136, 137, 138.
Wyeomyia sp undetermined.—404, 445.

Code: COM

The COM collections are identified by one of the following two printed labels: //COM[handwritten 10-607]/Colombia 65-66[in part crossed out or modified by hand to 67, 68, 70 or 71]/Mosq Mid Amer// and //COM[handwritten 649-653]/Colombia 7[handwritten 1]/Mosq Mid Amer//.

Hundreds of adults specimens in very poor condition from collections 495 and 608-615 are as yet unlabelled and unidentified.

Summary of COM Collections

COM 1-9, 17, 20, 23, 27, 34, 35, 47, 65-74	Not available		
COM 10-85 (in part)	28 Aug 1965- 25 Oct 1968	JB, CM	Antioquia, Caldas, Cesar, Cundinamarca, Meta, Santander, Tolima, Valle, Vichada
COM 86-488	Not used		
COM 489-496	8 Aug-25 Nov 1970	CM	Boyaca, Caqueta
COM 497-500	Not used		
COM 501-550 (=CJM 3001-3050)	15 Jul-6 Aug 1971	CM	Meta
COM 551-589	Not used		
COM 590-615 (=CJM 3090-3115)	24 Aug-30 Sept 1971	CM	Boyaca, Meta
COM 616-648	Not used		
COM 649-653 (=CJM 3149-3153)	17 Sept-29 Oct 1971	CM	Boyaca, Caqueta, Meta

COM Collection Records

1-9. Not available.

10. Cundinamarca, Bogota, Montserrate (18NXL0409?), 2700m; 28 Aug 65, CM. Stream pool along road in clearing; water permanent, turbid, with slow current; abundant algal scum; bottom with mud; partial shade. *Cx. (Cux.)* sp 47.

11. Cundinamarca, Choachi, about 8km NE of, 14km E of Bogota on road to Choachi (18NXL130 5), 3250m; 3 Sept 65, JB, CM. Small ground pool along road in paramo; water temporary, milky, stagnant; abundant grassy, herbaceous vegetation; bottom with mud; full sun. *Ae. (Och.) euiris* group sp 9.

12. Cundinamarca, Choachi, about 8km NE of, 14km E of Bogota on road to Choachi (18NXL130 5), 3250m; 3 Sept 65, JB, CM. Ditch along road in paramo; water semipermanent-temporary, clear, stagnant, slimy; moderate amount of scum, grassy, herbaceous vegetation; bottom with mud, sand; full sun. *Ae. (Och.) euiris* group sp 9.

13. Cundinamarca, Choachi, about 8km NE of, 14km E of Bogota on road to Choachi (18NXL130 5), 3250m; 3 Sept 65, JB, CM. Ditch along road in paramo; water semipermanent-temporary, clear, stagnant; algal scum, grassy, herbaceous vegetation; bottom with mud, sand; full sun. *Ae. (Och.) euiris* group sp 9.

14. Cundinamarca, Chipague, about 4km E of (18NXK1090), 2000m; 3 Sept 65, JB, CM. Treehole (deep, 4cm wide, in willow) near stream in domestic area; 1.5m above ground; water brown; partial-full sun. *Ae.* sp undetermined.

COM Collection Records

15. Cundinamarca, Girardot, 19km N of on road to Narino, 500m; 11 Sept 65, CM. Small ground pool near stream in grazing area; water semipermanent, clear, stagnant; no vegetation; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group.
16. Cundinamarca, Girardot, 19km N of on road to Narino, 500m; 11 Sept 65, CM. Treehole (2cm wide) near stream in clearing; 1.5m above ground; water brown; bottom with plant debris; partial shade. *Hg. (Hag.) anastasionis*.
17. Not available.
18. Cundinamarca, Girardot, about 15km NE of, Pubenza, 400m; 12 Sept 65, CM. Small artificial container (cement) in clearing; abundant flottage; bottom with mud, plant debris; deep shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) ?coronator* group, *Ps. (Gra.)* sp undetermined.
19. Cundinamarca, Melgar, 10km N of, 700m; 13 Sept 65, CM. Blocked stream along road; water permanent, brown, foul, stagnant or with slow current; abundant flottage, algal scum; bottom with mud; deep shade. *An.* sp undetermined, *Cx. (Mel.)* spp undetermined.
20. Not available.
21. Meta, Puerto Lopez, about 30km E of, 230m; 25 Sept 65, CM. Small ground pool in llanos; water semipermanent, brown, stagnant; abundant flottage; bottom with mud; deep shade. *Cx. (Cux.) coronator* group, *Cx. (Mel.)* sp undetermined.
22. Meta, Puerto Lopez, about 30km E of, 230m; 25 Sept 65, CM. Large ground pool in llanos; water semipermanent, brown, stagnant; abundant flottage; bottom with mud, plant debris; partial shade. *Cx. (Mel.)* sp undetermined, *Sy.* sp undetermined.
23. Not available.
24. Meta, Puerto Lopez, about 30km E of, 230m; 26 Sept 65, CM. Edge of forest swamp; water permanent, brown, stagnant; a little flottage; bottom with mud, plant debris; deep shade. *Cx. (Mel.)* sp undetermined, *Sy.* sp undetermined.
25. Meta, Puerto Lopez, near, 180m; 27 Sept 65, CM. Forest swamp interior; water permanent, brown, stagnant; a little flottage; bottom with mud, plant debris; deep shade. *Cx. (Mel.)* sp undetermined, *Sy.* sp undetermined.
26. Meta, Puerto Lopez, near, 180m; 27 Sept 65, CM. Forest swamp interior; water permanent, brown, stagnant; a little flottage; bottom with mud, plant debris; deep shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) ?maracayensis*, *Ps. ?(Jan.)* sp undetermined.
27. Not available.
28. Meta, Puerto Lopez, near, 180m; 27 Sept 65, CM. Forest swamp interior; water permanent, brown, stagnant; a little flottage; bottom with mud, plant debris; deep shade. *Cx. (Mel.) educator* group, *Cx. (Mel.) ?pilosus*.
29. Meta, Puerto Lopez, near, 180m; 27 Sept 65, CM. Swamp interior in llanos; water permanent, brown, stagnant; a little flottage; bottom with mud, plant debris; deep shade. *Cx. (Mel.) educator* group, *Cx. (Mel.)* sp undetermined.
30. Tolima, Natagaima, about 20km N of, Castilla, 400m; 10 Oct 65, CM. Stream pool in savanna; water semipermanent, turbid, yellow, stagnant; no vegetation; bottom with sand, plant, animal matter; full sun. *Cx. (Cux.) coronator* group.
31. Tolima, Natagaima, about 20km N of, Castilla, 400m; 10 Oct 65, CM. Stream pool in savanna; water semipermanent, turbid, yellow, stagnant; no vegetation; bottom with sand, gravel, plant, animal matter; full sun. *Cx. (Mel.) educator* group.
32. Cundinamarca, Tocaima, about 5km E of, "Las Lomitas," 440m; 12 Oct 65, CM. Small artificial container (cement) in plantation; water semipermanent, clear, stagnant; no vegetation; partial shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) ?declarator* group.
33. Cundinamarca, Tocaima, about 5km E of, "Las Lomitas," 440m; 12 Oct 65, CM. Small artificial container (cement) in plantation; water semipermanent, clear, stagnant; no vegetation; partial shade. No mosquitoes.
- 34-35. Not available.
36. Cundinamarca, Chipague, about 4km NW of, about 20km SE of Bogota on road to Villavicencio (18NXX0393), 3100m; 27 Oct 65, CM. Blocked stream pool along road in paramo; water semiper-

COM Collection Records

manent, turbid, yellow, stagnant; a little flottage, algae, grassy vegetation; bottom with sand; full sun. No mosquitoes.

37. Cundinamarca, Chipague, about 4km NW of, about 20km SE of Bogota on road to Villavicencio (18NXX0393), 3100m; 27 Oct 65, CM. Seepage in paramo; water permanent, clear, with slow current; no vegetation; bottom with mud; full sun. *Ae. (Och.) euiris* group sp 1.

38. Cundinamarca, Chipague, about 4km NW of, about 20km SE of Bogota on road to Villavicencio (18NXX0393), 3100m; 27 Oct 65, CM. Marshy depression in paramo; water semipermanent, clear, yellow, stagnant; a little algae, grassy vegetation; bottom with sand; full sun. *Ae. (Och.) euiris* group sp 1.

39. Cundinamarca, Chipague, about 4km NW of, about 20km SE of Bogota on road to Villavicencio (18NXX0393), 3100m; 27 Oct 65, CM. Small ground pool in paramo; water semipermanent, turbid, brown, stagnant; abundant flottage, algae; full sun. *Ae. (Och.) euiris* group sp 1.

40. Cundinamarca, Chipague, about 4km NW of, about 20km SE of Bogota on road to Villavicencio (18NXX0393), 3100m; 27 Oct 65, CM. Small ground pool in paramo; water permanent, turbid, yellow, stagnant; abundant flottage, algae; bottom with mud; full sun. *Ae. (Och.) euiris* group sp 9, *Cx. (Cux.)* ?sp 47.

41. Cundinamarca, Soacha, about 13km W of, Santander (18NWL7308), 1600m; 29 Oct 65, CM. Cut bamboo in bamboo forest; 0.2m above ground; water yellow; deep shade. *Cx. (Cux.)* sp 48, *Wy. (Pen.) arthrostigma*.

42. Cundinamarca, Soacha, about 13km W of, Santander (18NWL7308), 1600m; 29 Oct 65, CM. Cut bamboo in bamboo forest; 0.3m above ground; water yellow; deep shade. *Cx. (Cux.)* sp 48.

43. Cundinamarca, Soacha, about 13km W of, Santander (18NWL7308), 1600m; 29 Oct 65, CM. Cut bamboo in bamboo forest; 0.5m above ground; water yellow; deep shade. *Cx. (Cux.)* sp 48, *Wy. (Pen.) arthrostigma*.

44. Cundinamarca, Soacha, about 13km W of, Santander (18NWL7308), 1600m; 29 Oct 65, CM. Cut bamboo in bamboo forest; 0.5m above ground; water yellow; deep shade. *Tr. (Trc.) digitatum*.

45. Cundinamarca, Soacha, about 13km W of, Santander (18NWL7308), 1600m; 29 Oct 65, CM. Cut bamboo in bamboo forest; 0.3m above ground; water yellow; deep shade. *Cx. (Cux.)* sp 48, *Wy. (Pen.) arthrostigma*.

46. Caldas, Manizales, about 20km W of, a few km E of La Plata, 1500m; 3 Nov 65, CM. Small artificial container (cement) in grazing area; water permanent, clear, stagnant; no vegetation; bottom with plant, animal matter; full sun. *Cx. (Cux.) coronator* group.

47. Not available.

48. Caldas, Manizales, about 20km W of, a few km E of La Plata, 1500m; 4 Nov 65, CM. Fallen broken bamboo in bamboo forest; water brown; deep-partial shade. *Cx. (Car.) secundus*.

49. Caldas, Manizales, about 20km W of, a few km E of La Plata, 1500m; 4 Nov 65, CM. Broken bamboo in bamboo forest; 0.2m above ground; water brown; deep shade. *Cx. (Car.) secundus*.

50. Caldas, Pereira, about 15km NE of, Santa Rosa de Cabal, 1800m; 6 Nov 65, CM. Small ground pool in grazing area; water semipermanent, clear, stagnant; no vegetation; bottom with gravel; full sun. *Cx. (Cux.) coronator* group.

51. Cundinamarca, Bogota, Quebrada El Chico on road to La Calera (18NXL0616), 2700m; 9 Dec 65, CM. Stream margin in domestic area; water semipermanent, clear, stagnant; a little flottage; bottom with sand, plant, animal matter; partial shade. *Ae. (Och.) euiris* group sp 1, *Cx. (Cux.)* sp 49, *Cx. (Cux.)* sp undetermined.

52. Meta, Puerto Rico, about 30km SW of Salto de Angostura Primero, 250m; 9 Jan 66, CM. Fallen leaf (10cm long) in tropical wet forest; water brown, foul; deep shade. *Cx. (Car.)* sp undetermined, *Li. durhamii*.

53. Meta, Puerto Rico, about 25km SE of, Salto de Angostura Primero, 250m; 9 Jan 66, CM. Rockhole along fast flowing river; water clear, stagnant; no vegetation; full sun. *Cx. (Car.)* sp undetermined, *Li. durhamii*.

54. Meta, Puerto Rico, about 25km SE of, Salto de Angostura Primero, 250m; 9 Jan 66, CM. Rockhole along fast flowing river; water clear, stagnant; no vegetation; full sun. *Ae. (Och.) fluviatilis*, *Cx. (Cux.) coronator* group, *Cx. (Mel.)* sp undetermined.

COM Collection Records

55. Meta, Puerto Rico, about 25km SE of, Salto de Angostura Primero, 250m; 9 Jan 66, CM. Rockhole along fast flowing river; water clear, stagnant; no vegetation; full sun. *Ae. (Och.) fluviatilis*.
56. Cundinamarca, Bogota, Rio San Francisco (18NXL0409), 2650m; 26 Jan 66, CM. Stream pool along road; water semipermanent, clear, stagnant; a little algae; bottom with mud; partial shade. *Ae. (Och.) euiris* group sp 1, *Cx. (Cux.)* sp 49.
57. Cundinamarca, Bogota, Rio San Francisco (18NXL0409), 2650m; 26 Jan 66, CM. Stream pool along road; water semipermanent, yellowish, stagnant; a little algae; bottom with mud; partial shade. *Cx. (Cux.)* sp 49.
58. Cundinamarca, Bogota, Rio San Francisco (18NXL0409), 2650m; 26 Jan 66, CM. Stream pool along road; water semipermanent, yellowish, stagnant; a little algae; bottom with mud; partial shade. *Cx. (Cux.)* sp 49.
59. Cundinamarca, Bogota, Rio San Francisco (18NXL0409), 2650m; 26 Jan 66, CM. Stream pool along road; water semipermanent, yellowish, stagnant; a little algae; bottom with mud; partial shade. *Ae. (Och.) euiris* group sp 1, *Cx. (Cux.)* sp 49.
60. Meta, Villavicencio, about 4km NE of (18NXK5563), 400m; 27 Feb 66, CM. Small ground pool in grassland; water temporary, yellow, stagnant, slimy; abundant flotage, algae, grassy, herbaceous vegetation; bottom with mud, plant, animal matter; full sun. *An. (Nys.)* sp undetermined, *Cx. (Mel.) batesi*, *Cx. (Mel.)* sp undetermined.
61. Meta, Villavicencio, about 4km NE of (18NXK5563), 400m; 27 Feb 66, CM. Small ground pool in grassland; water temporary, yellow, stagnant, slimy; abundant flotage, algae, grassy, herbaceous vegetation; bottom with mud, plant debris; full sun. *An.* sp undetermined, *Cx. (Mel.)* sp undetermined.
62. Antioquia, Chigorodo, about 20km downstream from by boat, Rio Leon, 20m; 3 Apr 66, CM. Treehole in fallen tree in tropical moist forest; water brown, fermenting; abundant flotage; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) mollis*.
63. Cundinamarca, Bogota, just N of, near Suba (18NXL0224?), ?2650m; 16 Apr 66, CM. Epiphytic bromeliad along road in lower montane dry forest; 3m above ground; partial shade. *Ae. (How.) markinkellei* (holotype).
64. Cundinamarca, La Paz, about 5km SW of (18NWL3773), 500m; 22 May 66, CM. Small ground pool near stream in forest; water temporary, brown, stagnant; no vegetation; bottom with mud; partial-full sun. *Cx. (Cux.) coronator* group.
- 64A. Santander, Lebrija, about 5km from on road to Giron, 900m; 10 Apr 66, CM. Light trap near house in banana plantation; at night. *Ae. (Och.) angustivittatus*, *Ae. (Och.) fulvus*, *Ae. (Och.) scapularis*, *Ae. (Och.) serratus* group, *Ae. (subg. A) hortator*, *An. (Ano.)* sp undetermined, *An. (Nys.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Ads.) amazonensis*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) dunni* group, *Cx. (Mel.) ?epanastasis*, *Cx. (Mel.)* sp 39, *Cx. (Mel.) ?sp 40*, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) albipes*, *Ps. (Jan.) ferox*, *Ps. (Pso.) lineata*.
- 64B. Santander, Lebrija, about 5km from on road to Giron, 900m; 11 Apr 66, CM. Light trap near house in banana plantation; at night. *Ae. (Och.) scapularis*, *An. (Ano.)* sp undetermined, *An. (Nys.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Gra.) confinnis* group, *Ps. (Jan.) albipes*.
- 64C. Santander, Lebrija, about 5km from on road to Giron, 900m; 12 Apr 66, CM. Light trap near house in banana plantation; at night. *Ae. (Och.) angustivittatus*, *Ae. (Och.) dupreei* group, *Ae. (Och.) nubilus*, *Ae. (Och.) serratus* group, *Ae. (subg. A) hortator*, *An. (Ano.)* sp undetermined, *An. (Nys.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Ads.) amazonensis*, *Cx. (Cux.) beauperthuyi*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) dunni* group, *Cx. (Mel.) ?epanastasis*, *Cx. (Mel.) spissipes*, *Cx. (Mel.) ?sp 40*, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) albipes*, *Ps. (Jan.) ferox*.
- 65-74. Not available.
75. Tolima, Honda, about 1km SW of, near "Balneario Santa Helena," 200m; 30 Jan 67, CM. Small ground pool in cleared forest near stream; water semipermanent, brown, stagnant, foul; a little flotage, scum; bottom with mud; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) ?mollis*, *Cx. (Cux.) quinquefasciatus*.

COM Collection Records

76. Tolima, Mariquita, about 4km E of on road to Honda (18NWL1674), 400m; 30 Jan 67, CM. Small ground pool in grassland along road; water temporary, brown, stagnant, foul; a little flottage, algal scum; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) ?maracayensis*, *Cx. (Mel.)* sp undetermined.
77. Tolima, Mariquita, about 4km E of on road to Honda (18NWL1674), 400m; 30 Jan 67, CM. Small ground pool in grassland along road; water temporary, brown, stagnant, foul; a little algal scum, flottage; bottom with mud; full sun. *Cx. (Cux.)* sp undetermined.
78. Tolima, Honda, about 2km N of, 200m; 30 Jan 67, CM. Fallen banana leaf in plantation; water yellowish; partial shade. *Li. durhamii*.
79. Tolima, Honda, outskirts of, "Cueva Villa Wilma," 200m; CM. Light trap in small bat cave; 1600-0900hrs. *Cx.* sp undetermined.
80. Tolima, Espinal, about 25km SE of, Cunday, 500m; 20 Feb 67, CM. Small ground pool near stream in semidomestic area; water semipermanent, clear, stagnant; a little flottage; bottom with sand; partial shade. *Cx. (Mel.)* sp undetermined.
81. Vichada, Puerto Carreno, about 10km W of, "Santa Teresita," 80m; 15 Mar 67, CM. Light trap in wooded area in llanos; at night. Specimens not available.
82. Cundinamarca, Puerto Salgar, near, 170m; 29 Oct 67, CM. Small artificial container in cultivated area; water semipermanent, yellow, stagnant; no vegetation; bottom with sand; partial shade. *Ae. (Och.)* sp undetermined, *Ps. (Gra.) cingulata* group.
83. Valle, Buenaventura, "San Antonio," near sea level; CM. Light trap in forest; at night. Unidentified females in alcohol.
84. Cundinamarca, Puerto Salgar, near, 170m; 27 Oct 67, CM. Light trap in swamp forest; 1800-0700hrs. Unidentified adults in alcohol.
85. Cesar, Bucaramanga, about 80km N of, San Alberto (18NXP7857), 125m; 25 Oct 68, CM. Light trap in forest; 1800-0800hrs. Unidentified adults in alcohol.
- 86-488. Not used.
489. Caqueta, Tres Esquinas, 10km from by river, 190m; 8 Aug 70, CM. Animal tracks in grazing area near stream; water temporary, yellow, stagnant; a little algae; bottom with mud, plant debris, feces; full sun. *An. (Ano.) neomaculipalpus*.
490. Caqueta, Tres Esquinas, 10km from by river, 190m; 8 Aug 70, CM. Animal tracks in grazing area near stream; water temporary, yellow, stagnant, foul; a little algae; bottom with mud, plant debris, feces; full sun. *An. (Nys.) rangeli*.
491. Caqueta, Tres Esquinas, 10km from by river, 190m; 8 Aug 70, CM. Animal tracks in grazing area near stream; water temporary, yellow, stagnant, foul; a little algae; bottom with mud, plant debris, feces; full sun. *An. (Nys.) rangeli*.
492. Caqueta, Tres Esquinas, 10km from by river, 190m; 8 Aug 70, CM. Animal tracks in grazing area near stream; water temporary, yellow, stagnant, foul; a little algae; bottom with mud, plant debris, feces; full sun. *An. (Ano.) neomaculipalpus*.
493. Caqueta, Tres Esquinas, 10km from by river, 190m; 8 Aug 70, CM. Animal tracks in grazing area near stream; water temporary, yellow, stagnant, foul; a little algae; bottom with mud, plant debris, feces; full sun. *An. (Nys.) rangeli*.
494. Caqueta, Tres Esquinas, about 20km from by river, "Los Alicangaros," 190m; 8 Aug 70, CM. Traps (CDC miniature light traps) in tropical rain forest; 0.5m above ground; 1800-0600hrs. *Ae. (Och.) fulvus*, *Ae. (Och.) serratus* group, *An.* sp undetermined, *Cq. (Rhy.) albicosta*, *Cq. (Rhy.) arribalzagai*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.) hermanoi*, *Cq. (Rhy.)* sp undetermined, *Cx. (Ads.) amazonensis*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) creole*, *Cx. (Mel.) dunni* group, *Cx. (Mel.) spissipes*, *Cx. (Mel.)* sp 39, *Cx. (Mel.) ?sp 40*, *Cx. (Mel.)* sp 69, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) albipes*, *Ps. (Jan.)* sp undetermined, *Ur. (Ura.) calosomata* group, *Ur. (Ura.) pulcherrima*.
495. Caqueta, Tres Esquinas, about 20km from by river, "Los Alicangaros," 190m; 25 Oct 70, CM. Trap (CDC miniature light trap) in tropical rain forest; 1m above ground; 1800-0600hrs. *Ae. (Och.) fulvus*, *Ae. (Och.) serratus* group, *Cq. (Rhy.) albicosta*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.)* sp undetermined,

COM Collection Records

Cx. (Cux.) corniger, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.)* spp undetermined, *Ma. (Man.) humeralis*, *Ma. (Man.)* sp undetermined, *Ps. (Jan.) albipes*, *Tr.* sp undetermined, *Ur. (Ura.) calosomata* group, *Ur. (Ura.) pulcherrima*, additional unidentified specimens.

496. Boyaca, Puerto Boyaca, about 10km E of, "Calderon," 170m; 25 Nov 70, CM. Trap (CDC light trap) at edge of forest; 10m above ground; 1800-0600hrs. *Ad. (Ady.) squamipennis*, *Ae. (Och.) fulvus*, *Ae. (Och.) serratus* group, *Cq. (Rhy.) albicosta*, *Cq. (Rhy.) fasciolata*, *Cq. (Rhy.) hermanoi*, *Cx. (Ads.) amazonensis*, *Cx. (Cux.) coronator* group, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) ?dunni* group, *Cx. (Mel.) eastor*, *Cx. (Mel.) spissipes*, *Cx. (Mel.)* sp 39, *Cx. (Mel.) ?sp 40*, *Cx. (Mel.)* spp undetermined, *?Lz.* sp undetermined, *Ma. (Man.) humeralis*, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) albipes*, *Ur. (Ura.) hystera*, *Ur. (Ura.)* sp near *typhlosomata*.

497-500. Not used.

501. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 15 Jul 71, CM. Light trap, 20m above ground. *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ur. (Ura.) leucoptera*.

502. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 15 Jul 71, CM. Light trap, 8m above ground. *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) dunni* group, *Cx. (Mel.)* spp undetermined, *Ur. (Ura.) leucoptera*.

503. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 15 Jul 71, CM. Light trap, 15m above ground. *Co.* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Lz.* sp undetermined.

504. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 16 Jul 71, CM. Light trap, 14m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Ps. (Jan.) ferox*.

505. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 16 Jul 71, CM. Light trap, 16m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp undetermined.

506. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 17 Jul 71, CM. Light trap, 6m above ground. *Ad. (Ady.) squamipennis*, *Ae. (Och.)* sp undetermined, *An. (Nys.)* sp undetermined, *Ch. bonneae*, *Cq. (Rhy.) fasciolata*, *Co.* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ur. (Ura.) geometrica*, *Ur. (Ura.) lowii*.

507. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 17 Jul 71, CM. Light trap, 15m above ground. *Ad. (Ady.) squamipennis*, *Ae. (Och.) serratus*, *Ae. (Och.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ur. (Ura.) lowii*.

508. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 17 Jul 71, CM. Light trap, 8m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Lz.* sp undetermined, *Ps. (Gra.) cingulata* group.

509. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 18 Jul 71, CM. Light trap, 20m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group.

510. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 18 Jul 71, CM. Light trap, 15m above ground. *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group.

511. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 18 Jul 71, CM. Light trap, 8m above ground. *Ae. (Och.) serratus*, *Cx. (Cux.)* sp undetermined.

512. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 18 Jul 71, CM. Light trap, 5m above ground. *Cx. (Cux.)* spp undetermined, *Ps. (Gra.) cingulata* group.

513. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 18 Jul 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp undetermined.

514. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 19 Jul 71, CM. Light trap, 12m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined, *Ur. (Ura.) hystera*.

COM Collection Records

515. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 19 Jul 71, CM. Light trap, 15m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Lz.* sp undetermined.
516. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 19 Jul 71, CM. Light trap, 6m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp undetermined.
517. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 20m above ground. *Ae. (Och.) serratus* group, *An. (Nys.)* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined, *Ps. (Gra.) cingulata* group.
518. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 18m above ground. *Cx. (Mel.) chrysonotum*.
519. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 18m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* ?sp 39, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined.
520. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 25m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.
521. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 11m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp 39, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) ferox*.
522. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 11m above ground. *Ae. (Och.) serratus* group, *Ae. (Och.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.
523. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 20 Jul 71, CM. Light trap, 11m above ground. *Ae. (Och.) serratus*, *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.
524. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 20m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*.
525. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 14m above ground. *Ae. (Och.) serratus* group, *Ae. (Och.)* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Lz.* sp undetermined, *Ur. (Ura.) lowii*.
526. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 18m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined.
527. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 20m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.) coronator* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* sp undetermined.
528. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 15m above ground. *Ae. (Och.) serratus* group, *Ae. (Och.)* sp undetermined, *Co.* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Lz.* sp undetermined.
529. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 21 Jul 71, CM. Light trap, 15m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* ?sp 40, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined, *Ma. (Man.)* sp undetermined.
530. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 12m above ground. *Ae. (Och.) fulvus*, *Ae. (Och.) serratus* group, *Cx. (Ads.) amazonensis*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group.
531. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 20m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.
532. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 20m above ground. *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.

COM Collection Records

533. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* ?sp 40, *Cx.* sp undetermined, *Lz.* sp undetermined.
534. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 18m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) vomerifer*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* sp undetermined, *Ur. (Ura.) calosomata* group.
535. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 15m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined.
536. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 12m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ur. (Ura.) lowii*.
537. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined.
538. Meta, Villavicencio, outskirts of, "Finca Porvenir," 450m; 22 Jul 71, CM. Light trap, 18m above ground. *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Jan.) ferox*.
539. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 3 Aug 71, CM. Light trap, 10m above ground. *Ae. (Och.) hastatus*, *Ae. (Och.) serratus* group, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined, *Ur. (Ura.) calosomata* group.
540. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 3 Aug 71, CM. Light trap, 20m above ground. *Ae. (Och.) fulvus*, *Lz.* sp undetermined.
541. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 3 Aug 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Co.* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Cx.* sp undetermined, *Lz.* sp undetermined, *Ps. (Jan.) ferox*, *Ps. (Pso.) lineata*.
542. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 4 Aug 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Ae. (Och.)* sp undetermined, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* sp undetermined.
543. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 4 Aug 71, CM. Light trap, 20m above ground. *Ae. (Och.) fulvus*, *Lz.* spp undetermined.
544. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 4 Aug 71, CM. Light trap, 15m above ground. *Cx. (Cux.)* sp undetermined, *Cx. (Mel.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ps. (Pso.) cilipes*.
545. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 4 Aug 71, CM. Trap baited with monkey (*Cebus*), 15m above ground. *Ae. (Och.) fulvus*.
546. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 4 Aug 71, CM. Light trap, 10m above ground. *Ae. (Och.) serratus* group, *Ae. (Och.)* sp undetermined, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.)* spp undetermined, *Ps. (Jan.) ferox*.
547. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 5 Aug 71, CM. Light trap, 20m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Ps. (Jan.) ferox*.
548. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 5 Aug 71, CM. Trap baited with monkey (*Saimiri*), 2m above ground. *Ae. (Och.) serratus* group, *Ps. (Jan.) ferox*.
549. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 6 Aug 71, CM. Trap baited with monkey (*Saimiri*), 2m above ground. *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*.
550. Meta, Villavicencio, about 10km E of, Canos Negros (18NXX6057), 350m; 6 Aug 71, CM. Trap baited with monkey (*Saimiri*), 2m above ground. *Ae. (Och.) fulvus*, *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Ps. (Jan.) ferox*.
- 551-589. Not used.
590. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 24 Aug 71, CM. Light trap, 2m above ground. *Cq. (Rhy.) albicosta*, *Cq. (Rhy.) nigricans*, *Cx. (Ads.) accelerans*, *Cx. (Mel.)* sp undetermined.

COM Collection Records

591. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 28 Aug 71, CM. Light trap, 2m above ground. *Ad. (Ady.) squamipennis*, *Cq. (Rhy.) nigricans*.
592. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 7 Sept 71, CM. Light trap, 10m above ground. *Ad. (Ady.) squamipennis*.
593. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 7 Sept 71, CM. Light trap, 5m above ground. *Ad. (Ady.) squamipennis*.
594. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 9 Sept 71, CM. Light trap, 8m above ground. *Ad. (Ady.) squamipennis*.
595. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 9 Sept 71, CM. Light trap, 5m above ground. *Ad. (Ady.) squamipennis*, *Ae. (Och.) serratus* group, *Cq. (Rhy.) fasciolata*, *Cx. (Ads.) amazonensis*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) vomerifer*, *Cx. (Mel.) ?sp 39*, *Cx. (Mel.) ?sp 40*, *Ma. (Man.)* sp undetermined, *Ur. (Ura.) hystera*.
596. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 11 Sept 71, CM. Light trap, 8m above ground. *Ad. (Ady.) squamipennis*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) ?sp 39*, *Cx. (Mel.)* spp undetermined, *Lz.* sp undetermined, *Ps. (Gra.) cingulata* group.
597. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 10 Sept 71, CM. Light trap, 8m above ground. *Ad. (Ady.) squamipennis*, *An. (Nys.)* sp undetermined.
598. Meta, Villavicencio, about 25km SW of, Acacias, 500m; 12 Sept 71, CM. Light trap, 10m above ground. *Ad. (Ady.) squamipennis*.
599. Meta, Puerto Lopez, about 4km E of, "Mozambique," 200m; 15 Sept 71, CM. Light trap, 6m above ground. *Ad. (Ady.) squamipennis*, *Cq. (Rhy.) fasciolata*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.)* spp undetermined.
600. Meta, Puerto Lopez, about 4km E of, "Mozambique," 200m; 15 Sept 71, CM. Light trap, 8m above ground. *Ad. (Ady.) squamipennis*, *Cq. (Rhy.) nigricans*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) chrysonotum*, *Cx. (Mel.) ?epanastasis*, *Cx. (Mel.)* sp 39, *Cx. (Mel.)* spp undetermined, *Ma. (Man.)* sp undetermined, *Ps. (Gra.) cingulata* group, *Ur. (Ura.) geometrica*.
601. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 25 Aug 71, CM. Light trap, 2m above ground. *An. (Nys.) triannulatus*, *Cq. (Rhy.) nigricans*, *Cx. (Mel.) ?vomerifer*.
602. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 28 Aug 71, CM. Light trap, 2m above ground. *An. (Ano.) punctimacula*, *An. (Nys.) triannulatus*, *Cq. (Rhy.) nigricans*.
603. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 28 Aug 71, CM. Light trap, 2m above ground. *An. (Nys.) triannulatus*, *Cq. (Rhy.) albicosta*, *Cq. (Rhy.) nigricans*.
604. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 1 Sept 71, CM. Light trap, 18m above ground. *An. (Nys.) triannulatus*, *Cx. (Mel.) ?sp 40*.
605. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 31 Aug 71, CM. Light trap, 8m above ground. *Ps. (Jan.)* sp undetermined.
606. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 2 Sept 71, CM. Light trap, 6m above ground. *Cx. (Mel.)* sp undetermined.
607. Meta, Villavicencio, outskirts of, "Finca La Corocora," 450m; 15 Jul 71, CM. Light trap, 8m above ground. *An. (Nys.) rangeli*.
608. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 24 Sept 71, CM. Light trap, 15m above ground. Specimens unidentified.
609. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 24 Sept 71, CM. Light trap, 15m above ground. Specimens unidentified.
610. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 24 Sept 71, CM. Light trap, 15m above ground. Specimens unidentified.
611. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 25 Sept 71, CM. Trap baited with monkey (*Cebus*), 15m above ground. Specimens unidentified.
612. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 28 Sept 71, CM. Trap baited with monkey (*Cebus*), 15m above ground. Specimens unidentified.

COM Collection Records

613. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 27 Sept 71, CM. Light trap, 15m above ground. Specimens unidentified.
614. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 25 Sept 71, CM. Trap baited with monkey (*Saimiri*), 5m above ground. Specimens unidentified.
615. Boyaca, Puerto Boyaca, about 12km NE of, Lago de Palagua (18NWM5470), 145m; 30 Sept 71, CM. Trap baited with monkey (*Saimiri*), 5m above ground. Specimens unidentified.
- 616-648. Not used.
649. Meta, Puerto Lopez, about 15km NW of, Puerto Porfia (18NYK1960), 160m; 17 Sept 71, CM. Light trap, 5m above ground. *An. (Ano.) neomaculipalpus*, *An. (Nys.) oswaldoi*.
650. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 27 Sept 71, CM. Light trap, 15m above ground. *An. (Ano.) punctimacula*, *An. (Nys.) rangeli*, *An. (Nys.) triannulatus*.
651. Boyaca, Puerto Boyaca, about 15km E of, "Finca Porvenir," 170m; 30 Sept 71, CM. Light trap, 15m above ground. *An. (Nys.) oswaldoi*, *An. (Nys.) triannulatus*.
652. Caqueta, Tres Esquinas, about 10km from by river, "Hacienda Palmar," 190m; 19 Oct 71, CM. Light trap, 10m above ground. *An. (Ano.) mattogrossensis*, *An. (Nys.) oswaldoi*.
653. Meta, Puerto Lopez, about 4km E of, "Mozambique," 200m; 29 Oct 71, CM. Light trap, 18m above ground. *An. (Nys.) oswaldoi*.

COM Locality Index

ANTIOQUIA

Chigorodo (7°41'N, 76°42'W, about 50km S of Turbo), vicinity of. Rio Leon, about 20km downstream from Chigorodo by boat, 20m.—62.

BOYACA

Palagua, Lago de (=Cienaga de Palagua, 18NWM5470, about 12km NE of Puerto Boyaca), 145m.—590, 591, 601, 602, 603, 614, 615.

Puerto Boyaca (18NWM4561, about 80km N of La Dorada, on Rio Magdalena), vicinity of. About 10km E of Pto. Boyaca, "Calderon," 170m.—496. About 15km E of Pto. Boyaca, "Finca Porvenir," 170m.—604, 605, 606, 608, 609, 610, 611, 612, 613, 650, 651.

CALDAS

La Plata (5°04'N, 75°41'W, about 20km W of Manizales), a few km E of, 1500m.—46, 48, 49.

Santa Rosa de Cabal (4°52'N, 75°38'W, about 15km NE of Pereira), 1800m.—50.

CAQUETA

Tres Esquinas (0°43'N, 75°16'W, about 110km SE of Florencia, on Rio Caqueta), 190m, vicinity of. About 10km from Tres Esquinas by river, "Hacienda Palmar," 190m.—652. About 20km from Tres Esquinas by river, "Los Alicangaros," 190m.—494, 495. About 10km from Tres Esquinas by river, 190m.—489, 490, 491, 492, 493.

CESAR

San Alberto (18NXP7857, about 80km N of Bucaramanga, on Rio San Alberto del Espiritu Santo), 125m.—85.

CUNDINAMARCA

Bogota (18NXL0010, capital of Colombia) and vicinity. Rio San Francisco (18NXL0409), 2650m.—56, 57, 58, 59. Montserrate (18NXL0409?), 2700m.—10. Quebrada El Chico on road to La Calera (18NXL0616), 2700m.—51.

Chipague (18NXX0691, about 15km S of Bogota), vicinity of. About 4km NW of Chipague (18NXK0393), 3100m.—36, 37, 38, 39, 40. About 4km E of Chipague (18NXX1090), 2000m.—14.

Choachi (18NXL1901, about 20km E of Bogota), vicinity of. About 8km NE of Choachi (18NXL1305), 3250m.—11, 12, 13.

Girardot (4°18'N, 74°48'W, on Rio Magdalena), 19km N of on road to Narino, 500m.—15, 16.

La Paz (18NWL4177, about 11km E of Honda), vicinity of. About 5km SW of La Paz (18NWL3773), 500m.—64.

COM Locality Index

Melgar (4°12'N, 74°39'W, about 25km SE of Girardot, on Rio Fusagasuga, in Tolima), 10km N of, 700m.—19.

Pubenza (4°25'N, 74°46'W, about 15km NE of Girardot), 400m.—18.

Puerto Salgar (18NWM3804, across Rio Magdalena from La Dorada), 170m, vicinity of.—82, 84.

Santander (18NWL7308, about 13km W of Soacha), 1600m.—41, 42, 43, 44, 45.

Suba (18NXL0124, just N of Bogota), 2570m, vicinity of. Near Suba (18NXL0224?), ?2650m.—63.

Tocaima (4°28'N, 74°38'W, about 30km NE of Girardot), about 5km E of. “Las Lomitas,” 440m.—32, 33.

META

Acacias (3°59'N, 73°46'W, about 25km SW of Villavicencio), 500m.—598.

Angostura Primero, Salto de (2°18'N, 73°57'W, falls on Rio Guayabero, about 25km SE of Puerto Rico), 250m.—53, 54, 55. About 30km SW of Salto de Angostura Primero, 250m.—52.

Puerto Lopez (18NYK2752, about 80km E of Villavicencio, on Rio Meta), 180m, vicinity of. About 4km E of Pto. Lopez, “Mozambique,” 200m.—599, 600, 653. About 30km E of Pto. Lopez, 230 m.—21, 22, 24. Near Pto. Lopez, 180m.—25, 26, 28, 29.

Puerto Porfia (18NYK1960, about 15km NW of Pto. Lopez, on Rio Humea), 160m.—592, 593, 594, 595, 596, 597, 649.

Villavicencio (18NXX5159, capital of Meta, on Rio Guatiquia), 450m, and vicinity. Outskirts of Villavicencio, “Finca La Corocora.”—501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 607. Outskirts of Villavicencio, “Finca Porvenir.”—514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538. About 4km NE of Villavicencio (18NXX5563), 400m.—60, 61. About 10km E of Villavicencio, Canos Negros (18NXX6057), 350m.—539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550.

SANTANDER

Lebrija (7°07'N, 73°13'W, about 10km W of Bucaramanga), about 5km from on road to Giron, 900 m.—64A, 64B, 64C.

TOLIMA

Castilla (3°49'N, 75°04'W, about 20km N of Natagaima), 400m.—30, 31.

Cunday (4°04'N, 74°42'W, about 25km SE of Espinal), 500m.—80.

Honda (18NWL2975, about 30km S of La Dorada, on Rio Magdalena), 200m, vicinity of. Outskirts of Honda, “Cueva Villa Wilma.”—79. About 1km SW of Honda, near “Balneario Santa Helena.”—75. About 2km N of Honda.—78.

Mariquita (18NWL1275, about 15km W of Honda), vicinity of. About 4km E of Mariquita on road to Honda (18NWL1674), 400m.—76, 77.

VALLE DEL CAUCA

Buenaventura (3°53'N, 77°04'W, on Pacific coast about 80km NW of Cali), vicinity of. “San Antonio,” near sea level.—83.

VICHADA

Puerto Carreno (6°12'N, 67°22'W, at confluence of Rio Meta and Rio Orinoco), about 10km W of. “Santa Teresita,” 80m.—81.

COM Species Index

Aedeomyia (Aedeomyia) squamipennis (Lynch Arribalzaga 1878).—496, 506, 507, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600.

Aedes (Howardina) marinkellei Berlin 1969.—63 (holotype).

Aedes (Ochlerotatus) angustivittatus Dyar and Knab 1907.—64A, 64C.

Aedes (Ochlerotatus) dupreei group: *hastatus*, *oligopistus* or related sp.—64C.

Aedes (Ochlerotatus) euiris group sp 1: possibly *milleri*, ?sp 5.—37, 38, 39, 51, 56, 59.

COM Species Index

- Aedes (Ochlerotatus) euiris* group sp 9: possibly *euiris*, ?sp 4 or 8.—11, 12, 13, 40.
Aedes (Ochlerotatus) fluviatilis (Lutz 1904).—54, 55.
Aedes (Ochlerotatus) fulvus (Wiedemann 1828).—64A, 494, 495, 496, 530, 540, 543, 545, 550.
Aedes (Ochlerotatus) hastatus Dyar 1922.—539.
Aedes (Ochlerotatus) nubilus (Theobald 1903).—64C.
Aedes (Ochlerotatus) scapularis (Rondani 1848).—64A, 64B.
Aedes (Ochlerotatus) serratus (Theobald 1901).—507, 511, 523.
Aedes (Ochlerotatus) serratus group: *nubilus*, *serratus* and/or related sp.—64A, 64C, 494, 495, 496, 504, 505, 508, 513, 515, 517, 519, 521, 522, 523, 524, 525, 527, 528, 529, 530, 531, 533, 534, 535, 536, 537, 538, 539, 541, 542, 546, 547, 548, 549, 550, 595.
Aedes (Ochlerotatus) sp undetermined.—82, 506, 507, 522, 525, 528, 542, 546.
Aedes (subgenus A) *hortator* Dyar and Knab 1907.—64A, 64C.
Aedes sp undetermined.—14.
Anopheles (Anopheles) mattogrossensis Lutz and Neiva 1911.—652.
Anopheles (Anopheles) neomaculipalpus Curry 1931.—489, 492, 649.
Anopheles (Anopheles) punctimacula Dyar and Knab 1906.—602, 650.
Anopheles (Anopheles) sp undetermined.—64A, 64B, 64C.
Anopheles (Nyssorhynchus) oswaldoi (Peryassu 1922).—649, 651, 652, 653.
Anopheles (Nyssorhynchus) rangeli Gabaldon, Cova-Garcia and Lopez 1940.—490, 491, 493, 607, 650.
Anopheles (Nyssorhynchus) triannulatus (Neiva and Pinto 1922).—601, 602, 603, 604, 650, 651.
Anopheles (Nyssorhynchus) sp undetermined.—60, 64A, 64B, 64C, 506, 517, 597.
Anopheles sp undetermined.—19, 61, 494.
Chagasia bonneae Root 1927.—506.
Coquillettia (Rhynchotaenia) albicosta (Peryassu 1908).—494, 495, 496, 590, 603.
Coquillettia (Rhynchotaenia) arribalzagai (Theobald 1903).—494.
Coquillettia (Rhynchotaenia) fasciolata (Lynch Arribalzaga 1891).—64A, 64B, 64C, 494, 495, 496, 506, 507, 510, 522, 524, 529, 531, 541, 546, 547, 549, 550, 595, 599.
Coquillettia (Rhynchotaenia) hermanoi (Lane and Coutinho 1940).—494, 496.
Coquillettia (Rhynchotaenia) nigricans (Coquillett 1904).—590, 591, 600, 601, 602, 603.
Coquillettia (Rhynchotaenia) sp undetermined.—494, 495.
Corethrella sp undetermined.—503, 506, 528, 541.
Culex (Aedinus) accelerans Root 1927.—590.
Culex (Aedinus) amazonensis (Lutz 1905).—64A, 64C, 494, 496, 530, 595.
Culex (Carrollia) secundus Bonne-Wepster and Bonne 1920.—48, 49.
Culex (Carrollia) sp undetermined.—52, 53.
Culex (Culex) beauperthuyi Anduze 1943.—64C.
Culex (Culex) corniger Theobald 1903.—18, 62, 75, 495.
Culex (Culex) coronator group: *camposi*, *coronator*, *ousqua*, *usquatus*, *usquatissimus* and/or related sp.—?18, 21, 26, 30, 32, 46, 50, 54, 62, 64, 64C, 75, 76, 496, 527.
Culex (Culex) declarator group: *declarator* or related sp.—?32, 75.
Culex (Culex) ?maracayensis Evans 1923.—26, 76.
Culex (Culex) mollis Dyar and Knab 1906.—62, ?75.
Culex (Culex) nigripalpus Theobald 1901.—64A, 64B, 64C.
Culex (Culex) quinquefasciatus Say 1823.—75.
Culex (Culex) sp 47: near sp 50, 55, 56, 61.—10, ?40.
Culex (Culex) sp 48: possibly *acharistus*, near sp 49.—41, 42, 43, 45.
Culex (Culex) sp 49: possibly *quitensis*, near sp 48.—51, 56, 57, 58, 59.
Culex (Culex) sp undetermined.—51, 64A, 64B, 64C, 77, 494, 495, 496, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 541, 542, 544, 546, 595, 596, 599, 600.
Culex (Melanoconion) batesi Rozeboom and Komp 1948.—60.

COM Species Index

- Culex (Melanoconion) creole* Anduze 1949.—494.
Culex (Melanoconion) chrysonotum Dyar and Knab 1908.—496, 501, 502, 503, 506, 507, 509, 517, 518, 519, 520, 522, 523, 524, 526, 529, 530, 531, 532, 534, 535, 536, 538, 599, 600.
Culex (Melanoconion) dunni group: *dunni* or related sp.—64A, 64C, 494, ?496, 502.
Culex (Melanoconion) eastor Dyar 1920.—496.
Culex (Melanoconion) educator group: *educator* or related sp.—28, 29, 31.
Culex (Melanoconion) ?epanastasis Dyar 1922.—64A, 64C, 600.
Culex (Melanoconion) ?pilosus (Dyar and Knab 1906).—28.
Culex (Melanoconion) spissipes (Theobald 1903).—64C, 494, 496.
Culex (Melanoconion) vomerifer Komp 1932.—534, 595, ?601.
Culex (Melanoconion) sp 39: apparently *taeniopus* group type G of Galindo 1969:85.—64A, 494, 496, 506, ?510, 517, ?519, 521, 526, 527, 529, 533, 534, 535, 539, ?595, ?596, 600.
Culex (Melanoconion) ?sp 40: *?taeniopus* of authors.—64A, 64C, 494, 496, 529, 533, 595, 604.
Culex (Melanoconion) sp 69: female only, similar to *portesi* and *taeniopus*.—494.
Culex (Melanoconion) sp undetermined.—19, 21, 22, 24, 25, 29, 54, 60, 61, 64A, 64B, 64C, 76, 80, 494, 495, 496, 501, 502, 504, 505, 506, 507, 508, 509, 510, 513, 514, 516, 517, 519, 520, 522, 523, 525, 526, 527, 528, 529, 530, 531, 532, 534, 535, 536, 537, 538, 539, 541, 542, 544, 546, 590, 596, 599, 600, 606.
Culex sp undetermined.—79, 517, 519, 529, 533, 537, 539, 541.
Haemagogus (Haemagogus) anastasionis Dyar 1921.—16.
Limatus durhamii Theobald 1901.—52, 53, 78.
Lutzomiops sp undetermined.—?496, 503, 508, 515, 525, 528, 533, 540, 541, 543, 596.
Mansonia (Mansonia) humeralis Dyar and Knab 1916.—495, 496.
Mansonia (Mansonia) sp undetermined.—64C, 494, 495, 496, 506, 514, 529, 535, 595, 600.
Psorophora (Grabhamia) cingulata group: *cingulata* or related sp.—64A, 64B, 64C, 82, 494, 496, 506, 508, 509, 510, 512, 517, 521, 530, 536, 538, 544, 596, 600.
Psorophora (Grabhamia) confinnis group: *confinnis* or related sp.—15, 64B
Psorophora (Grabhamia) sp undetermined.—18.
Psorophora (Janthinosoma) albipes (Theobald 1907).—64A, 64B, 64C, 494, 495, 496.
Psorophora (Janthinosoma) ferox (Humboldt 1819).—64A, 64C, 504, 521, 538, 541, 546, 547, 548, 550.
Psorophora (Janthinosoma) sp undetermined.—?26, 494, 605.
Psorophora (Psorophora) cilipes (Fabricius 1805).—544.
Psorophora (Psorophora) lineata (Humboldt 1819).—64A, 541.
Sayomyia sp undetermined.—22, 24, 25.
Trichoprosopon (Trichoprosopon) digitatum (Rondani 1848).—44.
Trichoprosopon sp undetermined.—495.
Uranotaenia (Uranotaenia) calosomata group: *calosomata* or related sp.—494, 495, 534, 539.
Uranotaenia (Uranotaenia) geometrica Theobald 1901.—506, 600.
Uranotaenia (Uranotaenia) hystera Dyar and Knab 1913.—496, 514, 595.
Uranotaenia (Uranotaenia) leucoptera (Theobald 1907).—501, 502.
Uranotaenia (Uranotaenia) lowii Theobald 1901.—506, 507, 525, 536.
Uranotaenia (Uranotaenia) pulcherrima Lynch Arribalzaga 1891.—494, 495.
Uranotaenia (Uranotaenia) sp near typhlosomata.—496.
Wyeomyia (Pentemyia) arthrostigma (Lutz 1905).—41, 43, 45.

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