

Collection Records of the Project "Mosquitoes of Middle America"

9. Mexico (MEX, MF, MT, MX)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).

Publication 7 on collections from Costa Rica (Heinemann and Belkin 1977a) began treatment of Central America and publication 8 covered the rest of nuclear Central America (Heinemann and Belkin 1977b). The present publication is devoted to Mexico. The extensive collections in Panama (including Canal Zone) will be treated in a forthcoming publication.

Nearly all the collections from Mexico were made expressly for the project except for a few miscellaneous ones as noted. Unfortunately we were not able to obtain the cooperation of individuals or organizations in Mexico for the collection of material.

The majority of the collections were made under Code MEX. These bear the following label: //MEX [handwritten 1-902]/Mexico 64-65, 66-67, 67-68, 70-71 or 7 [handwritten digit for year]//Mosq Mid Amer//. There is a separate MEX Locality Index and a separate MEX Species Index.

The remaining collections from Mexico bear different labels: //MF [handwritten 1-16]/Mexico 63/July 10-Aug4/Eric M. Fisher// or //MF [handwritten 1-16]/Mexico 63/64/Eric M. Fisher//, //MT [handwritten 1-10]/Mexico 1963/S. R. Telford// and //MX [handwritten 2-22]/Mexico//, the later for miscellaneous collections obtained from L. E. Rozeboom and W. H. W. Komp. The MF, MT and MX collections are provided with a combined Locality Index and a combined Species Index. The abbreviations for all the collectors in Mexico are in a single list.

Because of the inadequacy of the available maps grid coordinates are given only for localities N of 24° latitude. An index of maps used is provided following the summary of collections.

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.

Collectors

JB	John N. Belkin	PR	Philip J. Regal
MB	M. A. Bell	RS	Robert X. Schick
HC	Helen Chin	DS	Donald Schroeder
EF	Eric Fisher	GS	Gail Schroeder
LG	Leslie D. Garrick	KS	Karen Schroeder
CH	Charles L. Hogue	ST	Sam R. Telford
JM	James G. Miller	DV	David Verity
LN	Lewis T. Nielsen	TZ	Thomas J. Zavortink

Summary of Collections

MEX 1-176	27 Jun-8 Sept 1964	EF, DV	Chiapas, D. F., Guerrero, Mexico, Morelos, Nayarit, Nuevo Leon, Oaxaca, Sinaloa, Tabasco, Tamaulipas, Veracruz
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¹Contribution from project "Mosquitoes of Middle America" supported by U.S. Public Health Service Research Grant AI-04379 and U.S. Army Medical Research and Development Command Research Contract DA-49-193-MD-2478.

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Summary of Collections

MEX 177	3 Aug 1963	PR	Veracruz
MEX 178-373	6 Jul-15 Sept 1965	DS, RS	Chihuahua, Coahuila, D. F., Durango, Guanajuato, Guerrero, Mexico, Morelos, Nuevo Leon, Oaxaca, San Luis Potosi, Sinaloa, Sonora, Tamaulipas, Veracruz
MEX 374	Not used		
MEX 375	7 Mar 1966	?	Baja California
MEX 376-386	11-14 Jul 1965	CH	Veracruz
MEX 387-393	12-14 Mar 1966	CH	Baja California Sur
MEX 394	23 Jul 1966	DV	Mexico
MEX 395-409	Not used		
MEX 410-442	5-21 Aug 1966	DS	Campeche, Guanajuato, Guerrero, Oaxaca, Veracruz
MEX 443-449	Not used		
MEX 450-487	10 Aug-4 Sept 1965	LG	Baja California Sur, Jalisco, Nayarit, Sinaloa, Sonora
MEX 488-489	3 Jul 1967	GS	Durango
MEX 490-491	Not used		
MEX 492-497	26-27 Nov 1967	JM	Baja California
MEX 498-633	22 Jun-11 Aug 1970	DS, KS	Campeche, Chiapas, Morelos, Oaxaca, Sinaloa, Sonora, Tabasco, Veracruz
MEX 634-639	Not used		
MEX 640-703	4-13 Jun 1971	LN, TZ	Durango, Jalisco, Nayarit, Sinaloa, Sonora, Zacatecas
MEX 704-709	Not used		
MEX 710-715	14-15 Feb 1972	DS, KS	Chiapas, Oaxaca
MEX 716-737	27 Aug-1 Sept 1972	JB	Jalisco
MEX 738-739	Not used		
MEX 740-745	24 Apr-8 May 1973		received from D. Sudia, CDC
MEX 746-749	Not used		
MEX 750-753	7-12 Aug 1973	MB	Jalisco, Nayarit, Sinaloa
MEX 754-755	1973		received from D. Sudia, CDC
MEX 756-899	Not used		
MEX 900-902	27 Mar-3 Apr 1975	HC	Jalisco
MF 1-16	10 Jul-4 Aug 1963	EF	Campeche, Chiapas, Nayarit, Oaxaca
MT 1-9	10-22 Jul 1963	ST	Colima, Jalisco
MT 10	23 Jul 1964	ST	Texas (USA)
MX 1-22	Miscellaneous collections received from L. E. Rozeboom and W. H. Komp		

Maps Used for Mexico Collections

For localities only:

Mexico, Texaco road map

For localities and elevations:

World 1:1,000,000, series 1301, sheets NE13, NE14, NE15, NF13, NF14, NF16, NG13, NG14, NH12

Mexico 1:250,000, series F541, sheets NE14NIII, NF14NV, NF14SII

For localities, elevations and grid coordinates (N of 24° latitude only):

World 1:250,000, series 1501, sheets NG12-2, 12-3, 12-6, 13-7, 13-10, 14-7, NH12-2, 12-7, 13-1, NI11-12

Most elevations for localities S of 24° latitude are only approximate due to the lack of large scale maps (about $\pm 100\text{m}$ or more). The U.S. Board on Geographic Names gazetteer for Mexico was used for the location and spelling of some localities

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1. Nuevo Leon, W outskirts of Monterrey on Fed. Rt. 40 (14RLD6040?), 550m; 27 Jun 64, EF, DV. Stream pool in mesquite-grassland; water permanent, brown, very foul, with slow current; some grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) quinquefasciatus*.
2. Nuevo Leon, W outskirts of Monterrey on Fed. Rt. 40 (14RLD6040?), 550m; 27 Jun 64, EF, DV. Stream pool in mesquite-grassland; water permanent, brown, very foul, with slow current; some grassy vegetation; bottom with mud; partial shade. *Cx. (Cux.) quinquefasciatus*.
3. Nuevo Leon, W outskirts of Monterrey on Fed. Rt. 40 (14RLD6040?), 550m; 27 Jun 64, EF. Adults resting on vegetation near stream (same site as MEX2); 1100hrs; deep shade. *Cx. (Cux.) quinquefasciatus*.
4. Tamaulipas, Ciudad Mante, Fed. Rt. 80 about 1.6km E of Gonzalez, 50m; 29 Jun 64, EF, DV. Large ground pool in cultivated area; water temporary, turbid, stagnant; some grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group, *Ps. (Gra.) discolor*, *Ps. (Gra.) signipennis*.
5. Tamaulipas, Ciudad Mante, Fed. Rt. 80 about 1.6km E of Gonzalez, 50m; 29 Jun 64, EF, DV. Adult biting near ground pool (same site as MEX4) in cultivated area; 1800hrs. *Ps. (Gra.) confinnis* group.
6. Tamaulipas, Tampico, Fed. Rt. 110 about 0.8km W of Puente Chairel, near sea level; 2 Jul 64, EF, DV. Large crabhole in mangrove swamp; bottom with mud; deep shade. *De. pseudes*.
7. Tamaulipas, Tampico, Fed. Rt. 110 about 0.8km W of Puente Chairel, near sea level; 2 Jul 64, EF, DV. Large crabhole in mangrove swamp; bottom with mud; partial shade. *De. pseudes*.
8. Tamaulipas, Tampico, Fed. Rt. 110 about 0.8km W of Puente Chairel, near sea level; 2 Jul 64, EF, DV. Large crabhole in mangrove swamp; deep shade. *De. pseudes*.
9. Tamaulipas, Tampico, Fed. Rt. 110 about 0.8km W of Puente Chairel, near sea level; 2 Jul 64, EF, DV. Adults resting in large crabholes in mangrove swamp. *De. pseudes*.
10. Tamaulipas, Tampico, Laguna de Chairel, "Colorado Courts," near sea level; 2 Jul 64, EF. Adult in motel room. *De. pseudes*.
11. Veracruz, about 5km SW of Tampico on Fed. Rt. 110, near sea level; 3 Jul 64, EF. Large ground pool in marshy area; water temporary, amber-colored; abundant grassy vegetation; bottom with mud; full sun. *Ae. (Och.) taeniorhynchus*.
12. Veracruz, about 5km SW of Tampico on Fed. Rt. 110, near sea level; 3 Jul 64, DV. Small ground pool under bridge; water temporary, clear, stagnant, brackish; no vegetation; bottom with mud; deep shade. *Ae. (Och.) taeniorhynchus*, *Ps. (Gra.) confinnis* group.
13. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 9 Jul 64, EF. Adults resting in grass under trees in park. *Cx. (Cux.) peus*, *Cx. (Cux.) restuans*, *Cx. (Cux.) tarsalis*, *Cs. (Cus.) dugesi*, *Cs. (Cus.) inornata* group.
14. Veracruz, Cordoba, Fortin de las Flores, 1100m; 11 Jul 64, EF. Adults landing on man in partial forest; partial shade. *Ae. (How.) allotecnon*, *Wy.* sp undetermined.
15. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Small ground pool (tire tracks) in coffee plantation; water temporary, clear, stagnant; some grassy vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group.
16. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Small ground pool (tire tracks) in coffee plantation; water temporary, clear, stagnant; some grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
17. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Small ground pool (tire tracks) in coffee plantation; water temporary, clear, stagnant; some grassy vegetation; bottom with mud; partial shade. *Ps. (Pso.) howardii*.
18. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Adults biting-landing at edge of forest in coffee plantation; 1900hrs. *Ae. (How.) sexlineatus*, *Ae. (Pro.) vargasi*.

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19. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Adults at ultraviolet light at edge of forest in coffee plantation; 2000hrs. *Ae. (How.) sexlineatus*, *Ps. (Pso.) ciliata*.
20. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Adult biting at edge of forest in coffee plantation; 2200hrs. *Ps. (Pso.) ciliata*.
21. Veracruz, about 2.5km E of Cordoba, 900m; 12 Jul 64, EF, DV. Adult biting at edge of forest in coffee plantation; 2200hrs. *Ae. (How.) sexlineatus*.
22. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, "El Jardin del Eden," 400m; 13 Jul 64, EF, DV. Small ground pool in garden; water temporary, clear; some scum and grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
23. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Large ground pool in coffee plantation; water probably temporary, clear, stagnant; abundant grassy vegetation; bottom with mud; full sun. *Cx. (Cux.)* sp 85.
24. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Epiphytic bromeliad (?*Aechmea*) in coffee plantation; 1m above ground; deep shade. *Wy. (Wyo.) pertinans* group sp B.
25. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Small ground pool (tire tracks) in coffee plantation; water temporary, clear, stagnant; some algae and grassy vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group.
26. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Adults landing and flying in coffee plantation; 1100hrs; partial shade. *Ae. (How.) sexlineatus*, *Hg. (Hag.) mesodentatus*, *Li. durhamii*, *Sa. (Sab.) tarsopus*, *Sa. (Sbo.) chloropterus*, *Wy.* spp undetermined.
27. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 2m above ground. *Cx. (Mcx.) rector*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp E.
28. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 1m above ground. *Ae. (How.) sexlineatus*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp E.
29. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, EF, DV. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 2m above ground. *Wy. (Wyo.) pertinans* group sp E.
30. Veracruz, about 2.5km E of Cordoba, 900m; 13 Jul 64, DV. Adult biting in coffee plantation; 1100hrs; partial shade. *Ps. (Jan.) ferox*.
31. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, "El Jardin del Eden," 400m; 13 Jul 64, EF, DV. Adults at lights in domestic area; 2200hrs. *An. (Ano.) pseudopunctipennis*.
32. Veracruz, about 2.5km E of Cordoba, 900m; 14 Jul 64, EF, DV. Adults flying in coffee plantation; 1000hrs; partial shade. *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*, *Sa. (Sab.) tarsopus*, *Sa. (Sbo.) chloropterus*, *Tx. (Lyn.) moctezuma*.
33. Veracruz, about 2.5km E of Cordoba, 900m; 14 Jul 64, DV. Small treehole (in trunk of *Ficus*) in coffee plantation; 1m above ground; water brown; deep shade. *Tx. (Lyn.) ?moctezuma*.
34. Veracruz, about 2.5km E of Cordoba, 900m; 14 Jul 64, EF, DV. Large treehole (trough in fallen tree) in coffee plantation; 2m above ground; water temporary, brown; full sun. *Cx. (Car.) bihaicolus*, *Cx. (Cux.) corniger*, *Cx. (Cux.) mollis*, *Ur. coatzacoalcos*.
35. Veracruz, Cordoba, about 18km E of Cuitlahuac, 200m; 15 Jul 64, EF, DV. Adults biting, landing and resting in partial forest; 1900hrs (dusk); partial shade. *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*, *Hg. (Hag.) equinus*.
36. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, "El Jardin del Eden," 400m; 16 Jul 64, EF, DV. Adult on screen inside room. *Tr. (Trc.) digitatum*.
37. Veracruz, about 2.5km E of Cordoba, 900m; 16 Jul 64, EF, DV. Adults biting and landing in coffee plantation; 1300hrs; full-partial sun. *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*, *Li. durhamii*, *Sa. (Sab.) tarsopus*, *Sa. (Sbo.) chloropterus*, *Wy.* spp undetermined.
38. Veracruz, about 2.5km E of Cordoba, 900m; 16 Jul 64, EF, DV. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 2m above ground; deep shade. *Ae. (How.) sexlineatus*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp E.
39. Veracruz, about 2.5km E of Cordoba, 900m; 16 Jul 64, EF, DV. Small ground pools (tire

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tracks) in coffee plantation; water temporary, clear, stagnant; some vegetation; bottom with mud; partial shade. *Ps. (Pso.) howardii*.

40. Veracruz, about 2.5km E of Cordoba, 900m; 16 Jul 64, EF, DV. Small ground pool (tire tracks) in coffee plantation; water temporary, clear; some grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.

41. Veracruz, about 2.5km E of Cordoba, 900m; 17 Jul 64, EF, DV. Treehole (trough in fallen tree) in coffee plantation; 1.5m above ground; water temporary, clear; full sun. *Cx. (Car.) bihaicolus*, *Cx. (Cux.) corniger*, *Cx. (Cux.) mollis*, *Ur. coatzacoalcos*.

42. Veracruz, about 2.5km E of Cordoba, 900m; 17 Jul 64, EF, DV. Treehole (depression in *Ficus* tree root) in coffee plantation; 0.5m above ground; water temporary, clear; deep shade. *Cx. (Car.) bihaicolus*, *Hg. (Hag.) equinus*.

43. Veracruz, about 2.5km E of Cordoba, 900m; 17 Jul 64, EF, DV. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 2m above ground; partial shade. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp E.

44. Veracruz, about 2.5km E of Cordoba, 900m; 17 Jul 64, EF, DV. Treehole (trough in fallen tree) in coffee plantation; 1.5m above ground; water temporary, clear; partial shade. *Cx. (Car.) bihaicolus*.

45. Veracruz, about 2.5km E of Cordoba, 900m; 17 Jul 64, EF, DV. Small ground pool in coffee plantation; water temporary, turbid; some algae, grassy vegetation; bottom with mud; partial shade. Specimen discarded.

46. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Saxicolous bromeliad (small ?*Aechmea*) on limestone ledge in tropical evergreen forest; full sun. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp E.

47. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Epiphytic bromeliad (small ?*Aechmea*) in tropical evergreen forest; 2m above ground; deep shade. *Wy. (Wyo.) pertinans* group sp B.

48. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Terrestrial bromeliad (large ?*Aechmea*) in tropical evergreen forest; deep shade. *Wy. (Wyo.) pertinans* group sp B.

49. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Terrestrial bromeliad (large ?*Aechmea*) in tropical evergreen forest; deep shade. *Wy. (Wyo.) pertinans* group sp B.

50. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Terrestrial bromeliad (large ?*Aechmea*) in tropical evergreen forest; full sun. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp E.

51. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Terrestrial bromeliad (large ?*Aechmea*) in tropical evergreen forest; partial shade. *Wy. (Wyo.) pertinans* group sp B.

52. Veracruz, about 2.5km E of Cordoba, 900m; 18 Jul 64, EF. Small treehole (rotted branch hole) in coffee plantation; 1.5m above ground; water temporary, dark amber; deep shade. *Co. appendiculata*, *Cx. (And.) restrictor*.

53. Veracruz, about 2.5km E of Cordoba, 900m; 18 Jul 64, EF, DV. Treehole (rothole in root of fallen tree) in coffee plantation; water temporary, clear; bottom with decaying vegetation; deep shade. *Hg. (Hag.) equinus*, *Ur. coatzacoalcos*.

54. Veracruz, about 2.5km E of Cordoba, 900m; 18 Jul 64, EF, DV. Treehole (rotten trunk of fallen tree) in coffee plantation; 0.5m above ground; water temporary, clear; bottom with decaying vegetation; deep shade. *Ae. (Pro.) terrens* group, *Hg. (Hag.) equinus*, *Ur. coatzacoalcos*.

55. Veracruz, near Cordoba, 1000m; 18 Jul 64, EF, DV. Adults landing in tropical evergreen forest; 1400hrs; partial shade. *Hg. (Hag.) mesodentatus*, *Wy.* spp undetermined.

56. Veracruz, near Cordoba, 1000m; 19 Jul 64, EF, DV. Treehole (hole in cut stump of tree) in cleared forest; 1m above ground; water temporary, brown; full sun. *Cx. (Cux.) declarator* group, *Cx. (Cux.) quinquefasciatus*.

57. Veracruz, about 2.5km E of Cordoba, 900m; 19 Jul 64, EF, DV. Small ground pool in grassy area; water permanent, clear, stagnant; abundant algae, submerged aquatic plants; bottom with decaying vegetation; partial shade. *Cx. (Mel.) ?iolambdis*.

58. Veracruz, about 2.5km E of Cordoba, 900m; 19 Jul 64, EF, DV. Epiphytic bromeliad (large ?*Aechmea*) in tropical evergreen forest; 2.5m above ground; partial shade. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp E.

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59. Veracruz, about 2.5km E of Cordoba, 900m; 19 Jul 64, EF, DV. Small ground pool in grassy area; water temporary, turbid, stagnant; some algae; partial shade. *Cx. (Cux.) coronator* group.
60. Veracruz, about 2.5km E of Cordoba, 900m; 19 Jul 64, EF, DV. Large ground pool in grassy area; water temporary, turbid, stagnant; some grassy vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group.
61. Veracruz, about 2.5km E of Cordoba, 900m; 19 Jul 64, EF, DV. Hoof prints in grassy area; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
62. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF. Small ground pool in partial forest; water temporary, clear, stagnant; abundant algae, grassy vegetation; bottom with mud; partial shade. *An. (Ano.) punctimacula*, *Ps. (Gra.) confinnis* group.
63. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, DV. Small ground pool (tire track) in partial forest; water temporary, clear, stagnant; no vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group.
64. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF, DV. Large ground pool in partial forest; water turbid; some grassy vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) howardii*.
65. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF, DV. Adult biting along road in partial forest; 1400hrs. *Ps. (Jan.) ?sp 1*.
66. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF, DV. Adult biting along road in partial forest; 1400hrs. *Ps. (Jan.) ?sp 1*.
67. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, DV. Small ground pool (tire track) in partial forest; water temporary, turbid, stagnant; no vegetation; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group.
68. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF. Small ground pool in partial forest; water temporary, clear; abundant algal scum; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) howardii*.
69. Veracruz, Cordoba, about 3km E of Yanga, 500m; 20 Jul 64, EF, DV. Small ground pool in partial forest; water temporary, clear; some grassy vegetation; bottom with mud; full sun. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) ciliata*, *Ps. (Pso.) howardii*.
70. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Large treehole (rotted branch hole) in coffee plantation; 3m above ground; water temporary, blackish; partial shade. *Cx. (And.) restrictor*, *Tx. (Lyn.) moctezuma*.
71. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Large treehole (rot hole in branch stump) in coffee plantation; 1.5m above ground; water temporary, light brown; partial shade. *Ae. (Pro.) vargasi*, *Hg. (Hag.) equinus*, *Or. kummi*.
72. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Small treehole (rot hole in branch stump of coffee tree) in coffee plantation; 1m above ground; water temporary, light brown; deep shade. *Hg. (Hag.) equinus*, *Tx. (Lyn.) moctezuma*.
73. Veracruz, Cordoba, 1000m; 22 Jul 64, EF, DV. Large artificial container (shallow circular depression in iron cement mixer gear) in domestic area; water temporary, clear; no vegetation; full sun. *Ae. (Och.) epactius*.
74. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Small treehole (in coffee tree) in coffee plantation; 1.5m above ground; water temporary, light brown; deep shade. *Hg. (Hag.) equinus*.
75. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Small treehole (in coffee tree) in coffee plantation; 1m above ground; water temporary, light brown; deep shade. *Hg. (Hag.) equinus*.
76. Veracruz, about 2.5km E of Cordoba, 900m; 22 Jul 64, EF, DV. Small treehole (in coffee tree) in coffee plantation; 2m above ground; water temporary, light brown; deep shade. *Hg. (Hag.) equinus*.
77. Veracruz, about 2.5km E of Cordoba, 900m; 23 Jul 64, EF. Epiphytic bromeliad (large *Tillandsia*) in coffee plantation; 7m above ground; partial shade. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B.
78. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, "El Jardin del Eden," 400m; 23-25 Jul 64, EF. Adults biting, landing and flying in room; 2300hrs. *An. (Ano.) pseudopunctipennis*.

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79. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, "El Jardin del Eden," 400m; 23 Jul 64, EF. Adults flying, biting and landing in room; 1400hrs. *Sa. (Sbo.) chloropterus*, *Wy.* sp undetermined.
80. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Adults resting in large crabholes in mangroves; 1100hrs. *De. pseudes*.
81. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF. Adult biting in mangroves; 1100hrs. *Ps. (Jan.) albipes*.
82. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Adult biting in mangroves; 1100hrs. *Ps. (Jan.) albipes*.
83. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF. Adult biting in mangroves; 1100hrs. *Ps. (Jan.) albipes*.
84. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF. Adults biting in mangroves; 1100hrs. *Hg. (Hag.) equinus*.
85. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Large crabhole in mangroves; partial shade. *De. pseudes*.
86. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Large crabhole in mangroves; deep shade. *De. pseudes*.
87. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Large crabhole in mangroves; partial shade. *De. pseudes*.
88. Veracruz, Veracruz, Boca del Rio, near sea level; 28 Jul 64, EF, DV. Large crabhole in mangroves; partial shade. *De. pseudes*.
89. Veracruz, about 2.5km E of Cordoba, 900m; 2 Aug 64, EF. Fallen banana leaf in coffee plantation; water temporary, light brown; bottom with decaying vegetation; partial shade. *Cx. (Cux.) ?thriambus*, *Li. durhamii*.
90. Veracruz, about 2.5km E of Cordoba, 900m; 2 Aug 64, EF. Fallen banana leaf in coffee plantation; water temporary, colored; bottom with decaying vegetation; partial shade. *Cx. (Cux.) thriambus*, *Li. durhamii*.
91. Veracruz, about 2.5km E of Cordoba, 900m; 2 Aug 64, EF. Fallen banana leaf in coffee plantation; water temporary, colored; bottom with decaying vegetation; partial shade. *Cx. (Cux.) mollis*.
92. Veracruz, about 2.5km E of Cordoba, 900m; 2 Aug 64, EF. Adults landing in coffee plantation; 1100hrs. *Sa. (Sab.) tarsopus*, *Sa. (Sbo.) chloropterus*, *Wy.* spp undetermined.
93. Veracruz, about 2.5km E of Cordoba, 900m; 4 Aug 64, EF, DV. Large treehole (rot hole at end of branch stump, same hole as MEX71) in coffee plantation; 1.5m above ground; water temporary, light brown; partial shade. *Or. kummi*, *Tx. (Lyn.) moctezuma*.
94. Veracruz, about 2.5km E of Cordoba, 900m; 4 Aug 64, EF, DV. Small treehole (in coffee tree) in coffee plantation; 1m above ground; water temporary, light brown; partial shade. Unidentified aedine.
95. Veracruz, about 2.5km E of Cordoba, 900m; 4 Aug 64, EF, DV. Small treehole in coffee plantation; 1m above ground; water temporary, amber; partial shade. *Tx. (Lyn.) moctezuma*.
96. Veracruz, Cordoba, about 1.6km W of Cuitlahuac, 400m; 5 Aug 64, DV. Small ground pool in cultivated field; water temporary, turbid, stagnant; no vegetation; bottom with mud; partial shade. *An. (Ano.) punctimacula*.
97. Veracruz, San Andres Tuxtla, about 11km NW of Catemaco, 350m; 7 Aug 64, EF, DV. Epiphytic bromeliad (large *Aechmea*) in partial forest; 2m above ground; partial shade. *Cx. (Mcx.) rejector*, *Tx. (Lyn.) superbus*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B.
98. Veracruz, San Andres Tuxtla, Catemaco, Laguna Catemaco, 360m; 7 Aug 64, EF, DV. Epiphytic bromeliad (large ?*Aechmea*) in second growth; 2m above ground; partial shade. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group.
99. Veracruz, San Andres Tuxtla, Catemaco, Laguna Catemaco, 360m; 7 Aug 64, DV. Treehole (trough in fallen tree) in partial forest; 2m above ground; water temporary, clear; bottom with decaying vegetation; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group.
100. Veracruz, about 50km S of Acayucan, El Naranjo (Santa Lucrecia), 25m; 8 Aug 64, EF, DV. Pond in grassy area; water permanent, clear, stagnant; abundant algae, herbaceous, grassy vegetation; bottom with mud; partial shade. *Cx. (Mel.)* sp undetermined.

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101. Veracruz, about 50km S of Acayucan, El Naranjo (Santa Lucrecia), 25m; 8 Aug 64, EF, DV. Pond in grassy area; water permanent, clear, stagnant; abundant algae, herbaceous, grassy vegetation; bottom with mud; partial shade. *An. (Nys.) albimanus*.
102. Oaxaca, Juchitan, about 50km N of Matias Romero, ?100m; 8 Aug 64, DV. Small treehole in cleared forest; 1m above ground; water clear; full sun. *Ae. (Pro.) ?podographicus*, *Tx. (Lyn.) ?moctezuma*.
103. Oaxaca, Juchitan, about 50km N of Matias Romero, ?100m; 8 Aug 64, EF. Large treehole (cut end of fallen tree) in cleared forest; 1m above ground; water amber; bottom with decaying vegetation; full sun. *Ae. (Pro.) ?podographicus*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Tx. (Lyn.) moctezuma*.
104. Oaxaca, Tehuantepec, Salina Cruz, ?10m; 9 Aug 64, DV. Large treehole in partial forest; 0.5 m above ground; water brown; partial shade. *Ae. (Pro.) knabi*.
105. Oaxaca, Tehuantepec, Salina Cruz, ?10m; 9 Aug 64, DV. Large treehole in partial forest; 1.5 m above ground; water light brown; partial shade. *Ae. (Pro.) terreus* group, *Cx. (And.) restrictor*, *Tx. (Lyn.) moctezuma*.
106. Oaxaca, about 15km S of Tehuantepec, ?10m; 11 Aug 64, EF, DV. Small ground pools (hoof prints at margin of muddy pool) in partial thorn forest; water temporary, clear, stagnant, fresh; no vegetation; bottom with mud; full sun. *An. (Nys.) albimanus*.
107. Oaxaca, about 45km S of Tehuantepec, ?10m; 11 Aug 64, EF, DV. Large ground pool in thorn forest; water temporary, clear, fresh; some herbaceous, grassy vegetation; bottom with mud; partial shade. *Cx. (Mel.) erraticus*.
108. Tabasco, Villahermosa, near Teapa, 75m; 13 Aug 64, EF, DV. Epiphytic bromeliad (?*Aechmea*) in cacao plantation; 2m above ground; full sun. *Wy. (Wyo.) celaenocephala*.
109. Tabasco, Villahermosa, near Teapa, 75m; 13 Aug 64, EF, DV. Epiphytic bromeliad in cacao plantation; 1m above ground; partial shade. *Tx. (Lyn.) superbus*, *Wy. (Wyo.) celaenocephala*.
110. Tabasco, Villahermosa, near Teapa, 75m; 13 Aug 64, EF, DV. Epiphytic bromeliad (?*Aechmea*) in cacao plantation; 1m above ground; partial shade. *Wy. (Wyo.) celaenocephala*.
111. Tabasco, Villahermosa, near Teapa, 75m; 13 Aug 64, EF, DV. Epiphytic bromeliad (?*Aechmea*) in cacao plantation; 2m above ground; full sun. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) celaenocephala*.
112. Tabasco, Villahermosa, near Teapa, 75m; 13 Aug 64, EF, DV. Adults biting and flying at edge of cacao plantation; 1200hrs; full shade. *Cx. (Cux.) nigripalpus*.
113. Veracruz, Coatzacoalcos, toll bridge at outskirts of town, near sea level; 15 Aug 64, EF, DV. Adults resting in small crabholes; 1400hrs. *De. pseudes*.
114. Veracruz, about 50km S of Acayucan, El Naranjo (Santa Lucrecia), 25m; 16 Aug 64, EF, DV. Large ground pool; water probably permanent, clear, stagnant; some herbaceous, grassy vegetation; bottom with mud; partial shade. *Cx. (Mel.) educator*.
115. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 16 Aug 64, EF. Adults flying in shelter in second growth; 2100hrs. *Ae. (Och.) epactius*, *Ae. (Pro.) sumidero*.
116. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Epiphytic bromeliad (?*Tillandsia*) in partial forest; 2.5m above ground; partial shade. *Ae. (How.) allotecnon*.
117. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Epiphytic bromeliad (?*Tillandsia*) in partial forest; 4m above ground; partial shade. *Ae. (How.) sexlineatus*, *Wy. (Wyo.) celaenocephala*.
118. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, DV. Epiphytic bromeliad (?*Tillandsia*) in partial forest; 3m above ground; partial shade. *Ae. (How.) sexlineatus*, *Wy. (Wyo.) celaenocephala*.
119. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Limestone rockhole in second growth; water temporary, greenish, stagnant; no vegetation; partial shade. *Ae. (Och.) epactius*, *Ae. (Pro.) terreus* group.
120. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Adults landing in partial forest; 1500hrs; partial shade. *Ae. (How.) sexlineatus*, *Ae. (Pro.) sumidero*, *Hg. (Hag.) mesodentatus*, *Wy.* sp undetermined.

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121. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Adults landing in partial forest; 1300hrs; partial shade. *Ae. (How.) allotecnon*, *Ae. (How.) sexlineatus*, *Ae. (Pro.) sumidero*, *Hg. (Hag.) mesodentatus*, *Wy. sp* undetermined.
122. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1700hrs. *Ae. (Pro.) sumidero*.
123. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1600hrs. *Ae. (Pro.) sumidero*.
124. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1700hrs. *Ae. (Pro.) sumidero*.
125. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1730hrs. *Ae. (Pro.) sumidero*.
126. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1800hrs. *Ae. (Pro.) sumidero*.
127. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF. Adult biting in shelter in second growth; 1800hrs. *Ae. (Pro.) sumidero*.
128. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 17 Aug 64, EF, DV. Adults biting, landing and flying in shelter; 1900hrs (dusk). *Ae. (How.) sexlineatus*, *Ae. (Och.) epactius*, *Ae. (Pro.) sandrae*, *Ae. (Pro.) sumidero*, *Hg. (Hag.) mesodentatus*.
129. Chiapas, about 25km N of Tuxtla Gutierrez, Sumidero, 1000m; 18 Aug 64, DV. Limestone rockhole in second growth; water temporary, clear, stagnant; partial shade. *Ae. (Och.) epactius*.
130. Chiapas, Tuxtla Gutierrez, W edge of San Cristobal de las Casas, 2100m; 19 Aug 64, EF, DV. Pond in grassy area; water permanent, clear, stagnant or with slow current; abundant herbaceous, grassy, floating vegetation; bottom with mud; full sun. *An. (Ano.) hectoris*.
131. Chiapas, Tuxtla Gutierrez, W edge of San Cristobal de las Casas, 2100m; 19 Aug 64, EF, DV. Pond in grassy area; water permanent, clear, stagnant or with slow current; abundant herbaceous, grassy vegetation; bottom with mud; partial shade. *An. (Ano.) hectoris*, *Cx. (Cux.) sp 85*, *Dx. sp* undetermined.
132. Chiapas, San Cristobal de las Casas, about 10km NW of Teopisca, 2000m; 19 Aug 64, EF, DV. Epiphytic bromeliad (large *Tillandsia*) in pine-oak forest; 7m above ground; partial shade. *Ae. (How.) quadrivittatus*.
133. Oaxaca, about 34km SE of "Camaron"; 21 Aug 64, EF. Large ground pool in tropical deciduous forest; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids.
134. Oaxaca, Oaxaca, about 1.6km SE of Nochixtlan, 2100m; 24 Aug 64, DV. Small ground pools (hoof prints at edge of large ground pool) in grassy area; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids.
135. Morelos, Cuernavaca, about 6km W of Tepoztlan, 1600m; 28 Aug 64, EF, DV. Small ground pool (hoof print at edge of large ground pool) in grassy area; water temporary, clear, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
136. Morelos, Cuernavaca, about 6km W of Tepoztlan, 1600m; 28 Aug 64, EF, DV. Small ground pool (hoof print at edge of large ground pool) in grassy area; water temporary, turbid, yellowish; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
137. Morelos, Cuernavaca, about 6km W of Tepoztlan, 1600m; 28 Aug 64, EF, DV. Small ground pool (hoof print at edge of large ground pool) in grassy area; water temporary, turbid, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
138. Guerrero, about 1.6km S of Chilpancingo, 1350m; 29 Aug 64, DV. Small ground pool in grassy area; water probably permanent, clear, with slow current; some herbaceous vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group.
139. Guerrero, about 1.6km S of Chilpancingo, 1350m; 29 Aug 64, DV. Small ground pool in grassy area; water temporary, clear, stagnant; no vegetation; bottom with mud; partial shade. *Ae. (Och.) epactius*, *Ae. (Och.) ?shannoni*, *An. (Nys.) argyritarsis*, *Cx. (Cux.) coronator* group.
140. Guerrero, Acapulco, about 3km NW of Puerto Marquez (El Marques), ?10m; 29 Aug 64, EF. Adults biting and landing in partial forest; 1000hrs. *Ma. (Man.) sp* undetermined.

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141. Guerrero, Acapulco, about 3km NW of Puerto Marquez (El Marques), ?10m; 30 Aug 64, EF. Adults landing and flying in partial forest; 1000hrs. *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*, *Ma. (Man.)* sp undetermined.
142. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF. Adults resting in 3 crabholes in mangroves. *De. pseudes*.
143. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adults biting, landing and flying in mangroves; 1000hrs. *Ae. (Och.) angustivittatus*, *Ae.* sp undetermined, *Hg. (Hag.) equinus*, *Ma. (Man.)* sp undetermined, *Ps. (Jan.) varipes*, *Wy.* sp undetermined.
144. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Large crabhole (10cm wide) in mangroves; partial shade. *De. howardi*, *De. pseudes*.
145. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Crabhole (5cm wide) in mangroves; deep shade. *De. pseudes*.
146. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
147. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
148. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
149. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
150. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ae. (Och.) angustivittatus*.
151. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
152. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1000hrs. *Ps. (Jan.) varipes*.
153. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
154. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
155. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
156. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
157. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
158. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
159. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1015hrs. *Ps. (Jan.) varipes*.
160. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ps. (Jan.) ferox*.
161. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ps. (Jan.) varipes*.
162. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ae. (Och.) serratus* group.
163. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ps. (Jan.) ferox*.
164. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ps. (Jan.) ferox*.
165. Guerrero, Acapulco, about 1.5km S of Puerto Marquez (El Marques), near sea level; 30 Aug 64, EF, DV. Adult biting in mangroves; 1030hrs. *Ps. (Jan.) ferox*.

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166. Guerrero, about 34km S of Chilpancingo, ?1500m; 31 Aug 64, EF. Adults biting and landing in car in pine-oak forest; 0800hrs. *Ae. (How.) guerrero* (holotype), *Hg. (Hag.) mesodentatus*, *Sa. (Sbo.) chloropterus*.
167. Mexico, about 43km E of Zitacuaro, 2400m; 3 Sept 64, EF, DV. Large treehole (in rotted portion of trunk of living tree) in boreal forest; at ground level; water thick, black; bottom with decaying vegetation; deep shade. *Ae. (Och.) muelleri*, *Ae. (Pro.) kompi* group, *Or.* ?sp 5.
168. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs; partial shade. *Ps. (Jan.)* sp 1.
169. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs; partial shade. *Ps. (Jan.)* sp 1.
170. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
171. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
172. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
173. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
174. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
175. Nayarit, Tuxpan, about 55km S of Acaponeta, 20m; 7 Sept 64, EF, DV. Adult biting in clearing in tropical deciduous forest; 1500hrs. *Ps. (Jan.)* sp 1.
176. Sinaloa, Mazatlan, N edge of town, 10m; 8 Sept 64, EF. Adult resting in grass in clearing in partial forest; 1000hrs. *Ps. (Pso.) howardii*.
177. Veracruz, Veracruz, Boca del Rio, about 500m from mouth of Rio Jamapa, near sea level; 3 Aug 63, PR. Crabholes (3 holes, 8cm wide) under small tree near sea and river; water fresh; bottom with mud; deep shade. *De. pseudus*.
178. Chihuahua, Ciudad Juarez (13RCF6012?), 1125m; 6 Jul 65, DS, RS. Stream margin in domestic area; water semipermanent; abundant algae, grassy, herbaceous vegetation; bottom with mud; full sun. *Ae. (Adm.) vexans*, *Cx. (Cux.) tarsalis*.
- 179, 179A. Durango, about 5km N of Gomez Palacio, 1100m; 8 Jul 65, DS. Small ground pool in cultivated area; water temporary, stagnant; no vegetation; bottom with mud; full sun. *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.) tarsalis*.
180. Durango, about 5km N of Gomez Palacio, 1100m; 8 Jul 65, DS. Soil sample; sterile.
181. Durango, about 5km N of Gomez Palacio, 1100m; 8 Jul 65, DS, RS. Adults biting-landing on man, and at light in small clearing; 2000-2200hrs. *Ps. (Gra.) confinnis* group, *Ps. (Gra.) signipennis*.
- 181-1P. Progeny rearing from 181. Eggs laid about 18 Jul; first batch dried and then flooded: sterile; second batch flooded and larvae reared individually. *Ps. (Gra.) confinnis* group.
- 181-2P. Progeny rearing from 181. Eggs laid about 18 Jul; first instar larvae seen 23 Jul. *Ps. (Gra.) confinnis* group.
- 181-3P. Progeny rearing from 181. Eggs laid 22-23 Jul; dry about 27 Jul; flooded 31 Jul at 1058 hrs; hatched at 1132hrs; first adults 9 Aug. *Ps. (Gra.) confinnis* group.
- 181-4P. Progeny rearing from 181. Eggs laid 27 Jul; flooded and hatched 6 Aug. *Ps. (Gra.) confinnis* group.
182. Durango, about 5km N of Gomez Palacio, 1100m; 8 Jul 65, DS, RS. Trap (CDC) on tree in small grassy area next to drainage ditch; 1.5m above ground; 2100-2400hrs. *Ps. (Gra.) confinnis* group.
183. Coahuila, Saltillo, 62km W of La Rosa and 4km W of El Carmen on Fed. Rt. 40 (14RKD054 0), 1170m; 9 Jul 65, DS, RS. Adults biting-landing in man near stream; 1815hrs. No specimens.
184. Coahuila, Saltillo, 62km W of La Rosa and 4km W of El Carmen on Fed. Rt. 40 (14RKD054 0), 1170m; 9 Jul 65, DS, RS. Stream pool margin; water temporary, turbid, stagnant, fresh; abundant grass; bottom with mud; partial shade. *Ae. (Och.) trivittatus*, *Cx. (Cux.) tarsalis*, *Ps. (Gra.) confinnis* group, *Ps. (Gra.) signipennis*.

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185. Coahuila, Saltillo, 42km W of La Rosa and 6km W of "Los Nombres Dulces" on Fed. Rt. 40 (14RKD3040?), 1150m; 9 Jul 65, DS, RS. Ditch (in center and along margin) in desert scrub; water temporary, turbid; a little vegetation; bottom with mud; partial shade. *Ps. (Gra.) signipennis*.

186. Coahuila, Saltillo, 42km W of La Rosa and 6km W of "Los Nombres Dulces" on Fed. Rt. 40 (14RKD3040?), 1150m; 9 Jul 65, DS, RS. Ditch (larvae concentrated along margin) in desert scrub; water temporary, turbid; a little vegetation; bottom with mud; partial shade. *Ps. (Gra.) signipennis*.

187. Nuevo Leon, Monterrey, Guadalupe, Calle Guadalupe Victoria in W outskirts (14RLD7842?), 450m; 11 Jul 65, DS, RS. Ditch in domestic area; water temporary, clear, fresh, with very slow current; abundant algae and grassy vegetation; bottom with mud and feces. *Cx. (Cux.) quinquefasciatus*.

188. Nuevo Leon, Monterrey, Guadalupe, Calle Guadalupe Victoria in W outskirts (14RLD7842?), 450m; 11 Jul 65, DS, RS. Adult taken sweeping grass along ditch; 1200hrs. *Ae. (Och.) scapularis*.

189. Nuevo Leon, Monterrey, Guadalupe, Calle Guadalupe Victoria in W outskirts (14RLD7842?), 450m; 11 Jul 65, DS, RS. Ditch in domestic area. Undetermined egg raft.

190. Nuevo Leon, Monterrey, Guadalupe, Calle Guadalupe Victoria in W outskirts (14RLD7842?), 450m; 11 Jul 65, DS, RS. Ditch in domestic area. Undetermined egg raft.

191. Nuevo Leon, Monterrey, Colonia La Pastora, "El Rio La Silla" (14RLD7439), 490m; 11 Jul 65, DS, RS. Stream margin; water permanent, clear, with slow current; abundant filamentous algae; bottom with mud; full sun. *An. (Ano.) pseudopunctipennis*, *Cx. (Cux.) coronator* group.

192. Nuevo Leon, Monterrey, Fed. Rt. 40, 1000m; 12 Jul 65, DS, RS. Soil sample; sterile.

193. Nuevo Leon, Monterrey, 6.5km W of Santa Catarina, Arroyo del Salitre (14RLD4543), 850m; 12 Jul 65, DS, RS. Soil sample; sterile.

194. Nuevo Leon, about 30km SE of Monterrey, Villa de Santiago, Arroyo La Chueca (14RLD8512), 490m; 13 Jul 65, DS, RS. Small ground pool in dry stream bed; water semipermanent, clear, stagnant, fresh; a little grassy vegetation; bottom with mud, rocks; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) tarsalis*.

195. Nuevo Leon, about 30km SE of Monterrey, Villa De Santiago, Rio San Juan (14RLD8512), 490m; 13 Jul 65, DS, RS. Stream margin; water semipermanent, clear, with slow current; choked with grass; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) quinquefasciatus*.

196. Tamaulipas, about 50km S of Ciudad Victoria, about 13km N of Rio Guayalejo on Fed. Rt. 85, 500m; 14 Jul 65, DS, RS. Large ground pool in grazing area; water temporary, turbid, stagnant, fresh; a little grassy vegetation; bottom with mud, dead plant matter; full sun. *Ps. (Gra.) signipennis*.

197. Tamaulipas, about 5km S of Ciudad Mante, 100m; 14 Jul 65, DS, RS. Pond in tropical evergreen forest; water permanent-semipermanent, stagnant, fresh; some herbaceous vegetation; bottom with mud; deep shade. *Cx. (Cux.) nigripalpus*.

198. Tamaulipas, about 5km S of Ciudad Mante, 100m; 14 Jul 65, DS, RS. Adults biting-landing on men and resting at edge of pond in tropical evergreen forest; 1830-1900hrs; deep shade. *Ae. (Och.) scapularis*, *Cx. (Cux.) nigripalpus*, *Ps. (Gra.) confinnis* group, *Ps. (Jan.) albipes*, *Ps. (Jan.) cyanescens*, *Ps. (Jan.) ferox*, *Ps. (Jan.) mexicana*.

199. Tamaulipas, Ciudad Mante, 100m; 14 Jul 65, DS, RS. Adults at lights at motel; 2030-2300 hrs. *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.)* sp undetermined, *Ps. (Gra.) confinnis* group, *Ps. (Jan.) cyanescens*.

200. Tamaulipas, about 1.5km N of Ciudad Mante on Fed. Rt. 85, 80m; 15 Jul 65, DS, RS. Ditch in cultivated area; water semipermanent, clear, stagnant, fresh; abundant grassy vegetation; bottom with mud; partial-full sun. *An. (Ano.) pseudopunctipennis*, *An.* sp undetermined, *Cx. (Cux.) coronator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) nigripalpus*, *Cx. (Mel.) erraticus*, *Ps. (Gra.) confinnis* group, *Ur. lowii*.

201. Tamaulipas, about 1.5km N of Ciudad Mante on Fed. Rt. 85, 80m; 15 Jul 65, DS, RS. Adults biting-landing on men near roadside ditch; 1100, 1600hrs; partial-full sun. *Ps. (Gra.) confinnis* group.

202. Tamaulipas, Ciudad Mante, 0.8km E of Gonzalez on Fed. Rt. 80, 50m; 18 Jul 65, DS, RS. Small ground pool in dry stream bed; water temporary, turbid, brown; a little filamentous algae, grassy vegetation (larvae found only in association with algae); bottom with mud; full sun. *An. (Ano.) pseudopunctipennis*, *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.

203. Tamaulipas, Ciudad Mante, 0.8km E of Gonzalez on Fed. Rt. 80, 50m; 18 Jul 65, DS, RS.

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Small ground pool in dry stream bed; water semipermanent, turbid; a little filamentous algae and grassy vegetation (larvae found only in association with algae); bottom with mud, gravel; partial shade. *An. (Ano.) pseudopunctipennis*, *An. (Nys.) albimanus*, *Cx. (Cux.) coronator* group.

204. Tamaulipas, Ciudad Mante, 0.8km E of Gonzalez on Fed. Rt. 80, 50m; 18 Jul 65, DS, RS. Large ground pool in dry stream bed; water semipermanent, turbid, gray-green; a little algal scum, grassy vegetation; bottom with mud, gravel, dead plant matter; partial shade. *An. (Ano.) pseudopunctipennis*, *An. (Nys.) albimanus*.

205. Tamaulipas, Tampico, Laguna de Chairel, near sea level; 17 Jul 65, DS, RS. Marshy margin of large lake; water permanent, clear; some algal scum, grassy vegetation (larvae mainly associated with algae); bottom with mud, dead plant matter; full sun. *An. (Nys.) albimanus*, *An. sp* undetermined, *Cx. (Cux.) nigripalpus*, *Cx. (Mel.) erraticus*.

206. Tamaulipas, Tampico, Laguna de Chairel, near sea level; 17 Jul 65, DS, RS. Adults biting-landing on men at edge of large marshy lake; at dusk. *Ae. (Och.) taeniorhynchus*, *An. (Nys.) albimanus*, *Cq. (Rhy.) nigricans*, *Ma. (Man.) titillans*.

207. Tamaulipas, Tampico, Laguna de Chairel, near sea level; 17 Jul 65, DS, RS. Trap (CDC) at edge of large marshy lake; dusk-late night. *Ae. (Och.) taeniorhynchus*, *An. (Ano.) quadrimaculatus*, *An. (Nys.) albimanus*, *Cq. (Rhy.) nigricans*, *Cx. (Cux.) interrogator*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.) quinquefasciatus*, *Cx. (Mel.) erraticus*, *De. pseudes*, *Ma. (Man.) titillans*.

208. Tamaulipas, Tampico, about 150m from Laguna de Chairel, "Colorado Courts," near sea level; 17 Jul 65, DS, RS. Adults at light outside motel near large marshy lake. *An. (Ano.) quadrimaculatus*, *An. (Nys.) albimanus*, *Cq. (Rhy.) nigricans*, *Cx. (Cux.) nigripalpus*, *Cx. (Mel.) erraticus*, *Ma. (Man.) titillans*.

209. Veracruz, Tampico, 2km S of Tempoal, 50m; 18 Jul 65, DS, RS. Adults biting-landing on man in tropical evergreen forest; 1600-1700hrs; deep shade. *Ps. (Jan.) albipes*, *Ps. (Jan.) ferox*.

210. Veracruz, Tampico, 10km N of Tempoal, 50m; 18 Jul 65, DS, RS. Ditch along road in tropical evergreen forest; water semipermanent, clear, stagnant, fresh; abundant grassy, herbaceous vegetation; bottom with mud; deep shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) mollis*, *Cx. (Cux.) nigripalpus*, *Ur. lowii*.

211. Veracruz, Tampico, 10km N of Tempoal, 50m; 18 Jul 65, DS, RS. Adults biting-landing on man near roadside ditch in tropical evergreen forest; 1845hrs. *Ps. (Jan.) cyanescens*.

212. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 20 Jul 65, DS, RS. Epiphytic bromeliad (medium *Tillandsia*) in tropical evergreen forest; 1.5m above ground; partial shade. *Co. ?sp 10*, *Cx. (Mex.) retractor*, *Wy. (Wyo.) celaeocephala*.

213. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 20 Jul 65, DS, RS. Large treehole in tropical evergreen forest; 2m above ground; water turbid, brownish, volume about 1 l; bottom with mud, dead plant matter; deep shade. *Ae. (Pro.) vargasi*, *Co. appendiculata*, *Cx. (And.) restrictor*, *Or. kummi*.

214. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 20 Jul 65, DS, RS. Small treehole in tropical evergreen forest; water turbid, brownish, foul, volume about ¾l; bottom with mud, dead plant matter. No specimens.

215. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 20 Jul 65, DS. Adults biting-landing in tropical evergreen forest; midafternoon; deep shade. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *Ps. (Jan.) ferox*, *Wy. (Wyo.) celaeocephala*.

216. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small terrestrial bromeliad at edge of tropical evergreen forest; partial shade. *Wy. (Wyo.) celaeocephala*, *Wy. (Wyo.) mitchellii*.

217. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Treehole along road in tropical evergreen forest; water reddish brown, volume 1-2 l; deep shade. *Tx. (Lyn.) moctezuma*.

218. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 0.3m above ground; water turbid, brown, volume about 25ml; bottom with dead plant matter. *Sa. (Sbo.) chloropterus*.

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219. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 2m above ground; water turbid, brown, volume about 150ml; bottom with dead plant matter. *Tx. (Lyn.) ?moctezuma*.
220. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Adults biting-landing in tropical evergreen forest; 1100-1130hrs; deep shade. *Ae. (Och.) serratus* group, *Ae. (Pro.) vargasi*, *Hg. (Hag.) equinus*, *Ps. (Jan.) ferox*, *Sa. (Sbo.) chloropterus*, *Wy. (Wyo.) ?celaenocephala*, *Wy. (Wyo.) ?mitchellii*.
221. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest. Contamination.
222. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 1m above ground; water turbid, brownish, volume about 25ml; bottom with dead plant matter; deep shade. *Hg. (Hag.) equinus*.
223. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 4m above ground; water turbid, brownish, volume about 25ml; bottom with dead plant matter; deep shade. *Tx. (Lyn.) moctezuma*.
224. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; water volume less than 1 l. *Tx. (Lyn.) moctezuma*.
225. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest. No specimens.
226. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest. No specimens.
227. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 3m above ground; water turbid, brown, volume about 1 l; bottom with dead plant matter. *Ae. (Pro.) vargasi*, *Tx. (Lyn.) moctezuma*.
228. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 1m above ground; water turbid, brownish, volume about 25ml; bottom with dead plant matter. *Ae. (Pro.) vargasi*, *Hg. (Hag.) equinus*.
229. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 1.5m above ground; water turbid, brown, volume about 100ml; bottom with dead plant matter. *Ae. (Pro.) vargasi*.
230. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 1.5m above ground; water turbid, brown, volume about 250ml; bottom with dead plant matter. *Sa. (Sbo.) chloropterus*.
231. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 3m above ground; water turbid, brown, volume about 750ml; bottom with dead plant matter. *Tx. (Lyn.) moctezuma*.
232. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; 0.5m above ground; water turbid, brown, volume about 25ml; bottom with dead plant matter. No specimens.
233. San Luis Potosi, across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Saketepan," 200m; 21 Jul 65, DS, RS. Small treehole in tropical evergreen forest; less than 1m above ground; water turbid, brown; bottom with dead plant matter. *Co. appendiculata*, *Cx. (And.) restrictor*, *Or. kummi*, *Tx. (Lyn.) moctezuma*.
234. Veracruz, Cordoba, bridge over Rio Blanco, "Naranjal," 600m; 26 Jul 65, DS. Artificial container (in concrete bridge); water semipermanent, clear, volume about 25 l; a little vegetation; bottom with dead plant matter; partial shade. *Ae. (Och.) epactius*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) quinquefasciatus*, *Ur. coatzacoalcos*.
235. Veracruz, Cordoba, State Rt. 141, 4.5km S of Fed. Rt. 150, "San Jose de Tapia, Rio Tepache," 600m; 26 Jul 65, DS, RS. Margin of artificial lake in coffee plantation; water permanent, turbid, stagnant, fresh; some flottage, grass; bottom with mud; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.) ?quinquefasciatus*.

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236. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 27 Jul 65, DS, RS. Large artificial container (cement basin, about 1m wide) in domestic area; water clear; no vegetation; deep shade. *Ae. (Och.) epactius*, *Cx. (Cux.) quinquefasciatus*.
237. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," "Rio Tapachero," 800m; 28 Jul 65, DS. Stream margin in forest near plantations; water permanent, turbid, brown, fresh, with slow current; no vegetation; bottom with rocks; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.) quinquefasciatus*.
238. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," "Rio Tapachero," 800m; 28 Jul 65, DS, RS. Stream margin in forest near plantations; water semipermanent, clear, fresh, with slow current, slimy; some scum, grassy, herbaceous vegetation; partial shade. *Cx. (Cux.) corniger*.
239. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," "Rio Tapachero," 800m; 28 Jul 65, DS, RS. Epiphytic bromeliad (*Aechmea*) in second growth near cultivated area. *Wy. (Wyo.) celaenocephala*.
240. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," 800m; 28 Jul 65, DS, RS. Small ground pool in road in cultivated area; water temporary, turbid, stagnant, fresh; no vegetation; bottom with mud. *Cx. (Cux.) coronator* group.
241. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," 800m; 28 Jul 65, DS, RS. Small treehole in second growth in cultivated area; 1.5m above ground; water clear, volume less than 1 l; deep shade. *Hg. (Hag.) equinus*.
242. Veracruz, Cordoba, 2km N of Amatlan de los Reyes on road to "Penuela," 800m; 28 Jul 65, DS, RS. Adult biting man in car; 1530hrs. *Sa. (Sbo.) chloropterus*.
243. Veracruz, Cordoba, about 3km S of Amatlan de los Reyes on State Rt. 141, 800m; 28 Jul 65, DS, RS. Large treehole (in dead fence post) along road in maize field; water clear, volume more than 1 l; partial shade. *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*.
244. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 29 Jul 65, DS, RS. Epiphytic bromeliad (large *Aechmea*) in garden; 0.5m above ground; partial shade. *Cx. (Cux.) stenolepis*, *Cx. (Mcx.) rejector*, *Tx. (Lyn.) superbus*, *Wy. (Wyo.) abebela*, *Wy. (Wyo.) celaenocephala*.
245. Veracruz, near Cordoba, 1000m; 30 Jul 65, DS. Small treehole in coffee plantation; 1.5m above ground; water pale brown; bottom with dead plant matter; partial shade. *Ae. (Pro.) vargasi*, *Tx. (Lyn.) moctezuma*.
246. Veracruz, near Cordoba, 1000m; 30 Jul 65, DS. Treeholes (2 small) in coffee plantation; 1.5 m above ground; water clear, volume about 50ml; bottom with dead plant matter. *Ae. (Pro.) vargasi*.
247. Veracruz, near Cordoba, 1000m; 30 Jul 65, DS. Small treehole in coffee plantation; 1.5m above ground; water clear, greenish, volume about 250ml; algae present; bottom with dead plant matter. *Ae. (Pro.) vargasi* (holotype).
248. Veracruz, near Cordoba, 1000m; 30 Jul 65, DS. Adult biting-landing on man in car in coffee plantation; afternoon. *Hg. (Hag.) mesodentatus*.
249. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliads (2 plants with red leaf margins) in coffee plantation; 2m above ground. *Wy. (Wyo.) pertinans* group sp B.
250. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliad (*Tillandsia*) in coffee plantation; 5m above ground. *Ae. (How.)* sp undetermined, *Wy. (Wyo.) pertinans* group sp B.
251. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliad (3 *Tillandsia*) in coffee plantation; 5m above ground. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* ?sp E.
252. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliad (*Tillandsia*) in coffee plantation. *Wy. (Wyo.) celaenocephala*.
253. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliad (*Tillandsia*) in coffee plantation. *Wy. (Wyo.) pertinans* group sp B.
254. Veracruz, near Cordoba, 1000m; 30 Jul 65, RS. Epiphytic bromeliads (*Tillandsia* spp) in coffee plantation. *Wy. (Wyo.) pertinans* group sp B.
255. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 31 Jul 65, DS, RS. Epiphytic bromeliads (4 small adjacent *Aechmea*) in garden; 1m above ground; partial shade. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp B.

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256. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," "Rio Metlac," 1100m; 31 Jul 65, DS. Leaf axils of terrestrial aroid (?*Xanthosoma*) in second growth; partial shade. *Cx. (Cux.) stenolepis*, *Tr. (Shn.) moralesi*.
257. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 1 Aug 65, DS, RS. Flower bracts of *Heliconia humilis* in garden; water pale brown; partial shade. *Cx. (Cux.) stenolepis*, *Tx. (Lyn.) moctezuma*, *Tr. (Shn.) moralesi*, *Tr. (Trc.) digitatum*.
258. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 1 Aug 65, DS, RS. Small artificial container (earthenware pot) in garden; 2m above ground; partial shade. *Cx. (Cux.) quinquefasciatus*.
259. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 2 Aug 65, DS, RS. Epiphytic bromeliad (large broad-leafed *Tillandsia*) in garden; 1m above ground; partial shade. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) pertinans* group sp B, *Wy. (Wyo.) pertinans* group sp undetermined.
260. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 2 Aug 65, DS, RS. Epiphytic bromeliad (small broad-leafed *Tillandsia*) in garden; 1m above ground; partial shade. *Cx. (Mcx.) rejector*.
261. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 2 Aug 65, DS, RS. Epiphytic bromeliad (*Tillandsia*) in garden; 1m above ground. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group ?sp E, *Wy. (Wyo.) pertinans* group sp undetermined.
262. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 2 Aug 65, DS, RS. Epiphytic bromeliad (*Tillandsia* with red inflorescence) in garden; 1m above ground. *Cx. (Mcx.) rejector*, *Tx. (Lyn.) superbus*, *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group sp E, *Wy. (Wyo.) pertinans* group sp undetermined.
263. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 2 Aug 65, DS, RS. Epiphytic bromeliad (*Tillandsia*) in garden; 1m above ground. *Wy. (Wyo.) celaenocephala*.
264. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," "Rio Metlac," 1100m; 3 Aug 65, DS. Large ground pool at edge of stream; water semipermanent, clear, stagnant, fresh; a little vegetation; bottom with mud, rocks; partial shade. *Cx. (Cux.) thriambus*, *Cx. (Lut.) bigoti*, *Cx. (Ncx.) derivator*.
265. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Adult biting-landing on man along road in forest; 1430, 1800hrs; partial shade. *Tr. (Shn.)* sp undetermined.
266. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Epiphytic bromeliad (small narrow-leafed *Tillandsia* on fallen branch) in forest; deep shade. *Wy. (Wyo.) pertinans* group.
267. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Epiphytic bromeliad (small broad-leafed *Tillandsia*) in forest; 5m above ground; partial shade. *Wy. (Wyo.) pertinans* group.
268. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Epiphytic bromeliad (medium sized *Tillandsia* with broad leaves and a green distichous inflorescence) in forest. *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.) pertinans* group sp Z.
269. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Rockhole in garden. *Ae. (Och.) epactius*.
270. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 3 Aug 65, DS. Epiphytic bromeliad (large *Aechmea*). *Cx. (Cux.) stenolepis*, *Cx. (Mcx.)* sp undetermined, *Tx. (Lyn.) superbus*, *Wy. (Wyo.) abebela*.
271. Veracruz, Cordoba, about 2km W of Fortin de las Flores, near "Moctezuma Hydroelectric Plant," 1100m; 4 Aug 65, DS. Epiphytic bromeliad (large *Aechmea*). *Cx. (Cux.) stenolepis*, *Tx. (Lyn.) superbus*.
272. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Terrestrial bromeliads (2 small) in garden. *Cx. (Mcx.) rejector*.
273. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Terrestrial bromeliads (clump of small broad-leafed *Tillandsia*) in garden. No specimens.

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274. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Terrestrial bromeliad (small *Tillandsia* with red inflorescence) in garden. *Wy. (Wyo.) celaenocephala*.
275. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Epiphytic bromeliad (broad-leafed *Tillandsia*) in garden. *Cx. (Mcx.) ?rejector*.
276. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Flower bracts of *Heliconia* in garden. *Tr. (Trc.) digitatum*.
277. Veracruz, Cordoba, Fortin de las Flores, 1100m; 5 Aug 65, DS, RS. Epiphytic bromeliad (*Tillandsia*) in garden. *Wy. (Wyo.) celaenocephala*, *Wy. (Wyo.) pertinans* group ?sp E, *Wy. (Wyo.) pertinans* group sp undetermined.
278. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, RS. Adults biting-landing on man along stream in tropical evergreen forest; 1500-1600hrs; deep shade. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *Ae. (Pro.) homoeopus*, *Wy. (Wyo.) pertinans* group.
- 278-9P. Progeny rearing from 278. Female blooded in lab 9 Aug; eggs laid 14 Aug. *Ae. (Och.) angustivittatus-trivittatus* hybrids.
- 278A. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, DS. Depression in *Agave* leaf resting on ground and still attached to living plant; water clear. *Ae. (Och.) epactius*.
279. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, RS. Small treehole in domestic area; 2m above ground. *Hg. (Hag.) mesodentatus*.
280. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, RS. Small treehole in domestic area; 2m above ground. *Hg. (Hag.) mesodentatus*.
281. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, RS. Adults biting-landing and at ultraviolet light in domestic area; during intermittent rain. *Ae. (Och.) angustivittatus*, *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *An. (Ano.) punctimacula*, *Ps. (Gra.) cingulata* group.
282. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 7 Aug 65, RS. Trap (CDC light trap) near stream in tropical evergreen forest. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *An. (Ano.) punctimacula*, *Ps. (Gra.) cingulata* group.
283. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 9 Aug 65, RS. Trap (CDC light trap) near stream in tropical evergreen forest; 1825-2245hrs. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.)* sp undetermined.
284. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 9 Aug 65, RS. Adults biting-landing and at ultraviolet light in domestic area; during light rain. *Ae. (Och.) angustivittatus*, *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *An. (Ano.) ?punctimacula*.
- 284-3P. Progeny rearing from 284. *Ae. (Och.) angustivittatus-trivittatus* hybrids.
285. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 9 Aug 65, DS, RS. Terrestrial bromeliads (2 spp) in garden. *Cx. (Cux.) stenolepis*, *Cx. (Mcx.) rejector*, *Cx. (Mcx.)* sp undetermined.
286. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 9 Aug 65, DS, RS. Mixed collection: bromeliad water and debris from several localities left in a plastic basin in domestic area. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) quinquefasciatus*, *Cx. (Lut.) bigoti*, *Cx. (Mcx.) rejector*, *Wy. (Wyo.) pertinans* group.
287. Veracruz, Cordoba, near Cuichapa, 600m; 9 Aug 65, DS. Adults biting-landing along trail in coffee plantation; 1360hrs; deep shade. *Ae. (Pro.) terreus* group.
288. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 9 Aug 65, RS. Large artificial container (cement basin, 1m wide, same as 236) in domestic area; deep shade. *Ae. (Och.) epactius*.
289. Veracruz, Cordoba, Fortin de las Flores, "Posada Loma" motel, 1100m; 9 Aug 65, RS. Small artificial container (earthenware pot, same as 258) in garden; partial shade. *Cx. (Cux.) quinquefasciatus*.
290. Veracruz, Orizaba, E end of town, "Escamela," 1300m; 11 Aug 65, DS, RS. Ditch in cultivated area; water temporary, clear, stagnant or with slow current; abundant herbaceous vegetation; bottom with mud; deep shade. *Cx. (Cux.) ?federalis*.

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291. Veracruz, Orizaba, 1300m; 11 Aug 65, DS, RS. Large artificial container (concrete pit) in domestic area; water temporary, pale brown, stagnant; bottom with thick layer of dead plant matter; full sun. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) peus*.
292. Veracruz, Orizaba, 1300m; 11 Aug 65, DS, RS. Large artificial container (concrete pit) in domestic area; water clear, stagnant, temporary; algae present; bottom with gravel, rocks, dead plant matter. *Ae. (Och.) epactius*, *Cx. (Cux.) coronator* group.
293. Missing.
294. Veracruz, Veracruz, off Fed. Rt. 140 between junction with Fed. Rt. 150 and central Veracruz, 10m; 12 Aug 65, DS, RS. Margin of small stream in dense vegetation; water clear, with very slow current, fresh; a little vegetation; bottom with mud, dead plant matter; deep shade. *Cx. (Cux.)* sp undetermined, *Cx. (Mel.) conspirator*.
295. Veracruz, Veracruz, off Fed. Rt. 140 between junction with Fed. Rt. 150 and central Veracruz, 10m; 12 Aug 65, DS, RS. Small treehole in second growth; 1.5m above ground; deep shade. *Hg. (Hag.) equinus*.
296. Veracruz, Veracruz, off Fed. Rt. 140 between junction with Fed. Rt. 150 and central Veracruz, 10m; 12 Aug 65, DS, RS. Adults biting-landing on man along road in shade of trees. Specimens lost or discarded.
297. Distrito Federal, Mexico City, "Shirley Court's office," 2200m; 15 Aug 65, DS, RS. Adults resting indoors; 2-3m above ground; 0200hrs. *Cx. (Cux.) tarsalis*.
298. Distrito Federal, Xochimilco, about 1.5km N of Tetepan on road to Huipulco, 2300m; 16 Aug 65, DS, RS. Two small ground pools in dry ditch at edge of maize field; water temporary, turbid, stagnant, fresh; no vegetation; bottom with mud, dead plant matter; full sun. *Cx. (Cux.) peus*.
299. Distrito Federal, Xochimilco Floating Gardens, 2300m; 16 Aug 65, DS, RS. Large artificial container (wooden boat) in garden; water temporary, clear, stagnant, fresh; abundant herbaceous, floating vegetation. *Cx. (Cux.) peus*, *Cx. (Cux.) quinquefasciatus*.
300. Distrito Federal, Xochimilco Floating Gardens, 2300m; 16 Aug 65, DS, RS. Pond in garden; water permanent, clear, stagnant, fresh; abundant herbaceous floating vegetation; bottom with mud. *Cx. (Cux.) peus*, *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.) tarsalis*.
301. Distrito Federal, Xochimilco Floating Gardens, 2300m; 16 Aug 65, DS, RS. Pond in garden; water permanent, clear, stagnant, fresh; abundant herbaceous emergent and floating vegetation; bottom with mud, decaying vegetation. *Cx. (Cux.) peus*, *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.) tarsalis*.
302. Distrito Federal, Xochimilco, 2300m; 16 Aug 65, DS, RS. Ground pool in grassy area near houses; water temporary, clear, stagnant, fresh, foul; abundant grassy vegetation; bottom with mud. *Cx. (Cux.) peus*, *Cx. (Cux.) quinquefasciatus*.
303. Distrito Federal, Xochimilco Floating Gardens, 2300m; 16 Aug 65, DS, RS. Pond in open grassy area of garden; water permanent, clear, stagnant, fresh; abundant grassy, floating vegetation; bottom with mud. *Cx. (Cux.) quinquefasciatus*.
304. Morelos, Cuernavaca, Fed. Rt. 95 about 7km N of turnoff to Cuernavaca, 1600m; 19 Aug 65, DS, RS. Treehole (25 X 25cm) in deciduous oak forest; 2m above ground; water pale brown; deep shade. *Ae. (Pro.) chionotum* (holotype).
305. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Large artificial container (fountain, 1m wide, 0.3m deep) in park; partial shade. *Cx. (Cux.) peus*, *Cx. (Cux.) quinquefasciatus*, *Cs. (Cus.) dugesi*.
306. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Adults resting on walls of fountain (same as in 305) in park; 1630hrs; partial shade. *Cx. (Cux.) quinquefasciatus*, *Cs. (Cus.) dugesi*.
307. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Large artificial container (fountain, 3 X 0.5m, 10cm deep) in park. *Cs. (Cus.) dugesi*.
308. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Adult resting on walls of fountain (same as in 307) in park; 1630hrs. *Cs. (Cus.) dugesi*.
309. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Large artificial containers (2 sewer drains) in park. *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.) restuans*, *Cx. (Cux.)* sp undetermined, *Cx. (Ncx.) ?arizonensis*, *Cs. (Cus.) dugesi*.

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310. Distrito Federal, Mexico City, Chapultepec Park, 2200m; 21 Aug 65, DS. Adults resting on walls of drains (same as in 309) in park; 1700hrs. *Cx. (Cux.) quinquefasciatus*, *Cx. (Cux.) restuans*, *Cx. (Cux.) tarsalis*, *Cs. (Cus.) dugesi*.
311. Mexico, Mexico City, 500m NW of Tlapitzahuac on Fed. Rt. 190, 2300m; 22 Aug 65, DS. Ditch; water permanent, clear, stagnant, fresh; abundant herbaceous, grassy vegetation. *Cx. (Cux.) federalis*, *Cx. (Cux.) ?quinquefasciatus*, *Cx. (Cux.) tarsalis*, *Cx. (Cux.) thriambus*, *Cs. (Cus.) inornata* group.
312. Mexico, Mexico City, 500m NW of Tlapitzahuac on Fed. Rt. 190, 2300m; 22 Aug 65, DS. Ditch; water permanent, clear; abundant grassy, herbaceous, floating vegetation. *Cx. (Cux.) federalis*, *Cx. (Cux.) tarsalis*, *Cx. (Cux.) thriambus*, *Cs. (Cus.) inornata* group.
313. Oaxaca, Oaxaca, "Hotel Margarita," 1500m; 28 Aug 65, DS. Adult resting on wall in room; afternoon. *Cx. (Cux.) quinquefasciatus*.
314. Oaxaca, about 3km W of Oaxaca on road to Monte Alban, "Rancho Hamilton," 1600m; 29 Aug 65, DS. Reservoir (10m wide) in cultivated area; water permanent, clear, yellowish; a little algae. *An. (Ano.) pseudopunctipennis*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) ?peus*.
315. Oaxaca, 2.7km E of Tehuantepec on Fed. Rt. 190, 30m; 30 Aug 65, DS. Small treehole (in *Acacia* stump) in thorn forest; partial shade. No specimens.
316. Oaxaca, 2.7km E of Tehuantepec on Fed. Rt. 190, 30m; 30 Aug 65, DS. Ditch along road in thorn forest; water temporary, turbid, tan, stagnant, fresh; abundant flottage, grassy, herbaceous vegetation; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) howardii*.
317. Oaxaca, Tehuantepec, 1.8km S of Fed. Rt. 190 on Fed. Rt. 185, 30m; 30 Aug 65, DS. Small ground pool in dry ditch in grazing area; water temporary, turbid, muddy brown; abundant grass; bottom with mud; full sun. *Ps. (Gra.) confinnis* group.
318. Oaxaca, Tehuantepec, 3.5km W of Fed. Rt. 185 on Fed. Rt. 190, 30m; 30 Aug 65, DS. Debris sample from small treehole; sterile.
319. Oaxaca, E outskirts of Tehuantepec, 30m; 30 Aug 65, DS. Trap (CDC light trap) in mango orchard; 1900-2230hrs. *Cx. (Cux.) quinquefasciatus*.
320. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Large treehole (in *Ficus*) in domestic area; 3m above ground; water clear, brownish, volume about 1 l; bottom with dead plant matter. No specimens.
321. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Small treehole (in same *Ficus* as 320) in domestic area; water clear, brownish, volume about 50ml; bottom with dead plant matter. No specimens.
322. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from treehole; sterile.
323. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from small treehole; sterile.
324. Oaxaca, Tehuantepec, Salina Cruz, Avenida Tampico, 10m; 31 Aug 65, DS. Large ground pool in ditch in domestic area; water semipermanent, clear, stagnant, fresh, foul, slimy; moderate amount of algal scum, grass; bottom with mud, organic matter; full sun. *Cx. (Cux.) quinquefasciatus*.
325. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from small treehole in domestic area; sterile.
326. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from small treehole in domestic area; sterile.
327. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Small treehole in domestic area; 5m above ground; water volume about 100ml. No specimens.
328. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from small treehole in domestic area; sterile.
329. Oaxaca, Tehuantepec, Salina Cruz, 10m; 31 Aug 65, DS. Debris sample from small treehole in domestic area; sterile.
330. Oaxaca, Tehuantepec, 7.7km N of Salina Cruz on Fed. Rt. 185, 20m; 31 Aug 65, DS. Large ground pool in road; water temporary, turbid, muddy brown, stagnant, fresh; a little algal scum; bottom with mud; full sun. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) howardii*.
331. Oaxaca, Tehuantepec, 7.7km N of Salina Cruz on Fed. Rt. 185, 20m; 31 Aug 65, DS. Small

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- ground pool in ditch; water temporary, turbid, muddy brown, stagnant, fresh; some flottage, grassy vegetation; bottom with mud, dead plant matter; partial shade. *Ae. (Och.)* sp undetermined, *Ps. (Gra.) confinnis* group, *Ps. (Jan.) cyanescens*.
332. Oaxaca, E outskirts of Tehuantepec, km 283 on Fed. Rt. 190, 30m; 1 Sept 65, DS. Debris sample from large treehole (in avocado) in orchard; 10cm above ground; deep shade. *Ae. (Pro.) schroederi* (holotype).
333. Oaxaca, E outskirts of Tehuantepec, km 283 on Fed. Rt. 190, 30m; 1 Sept 65, DS. Large treehole (in mango) in orchard; 1.5m above ground; water volume about 3 l; deep shade. *Ae. (Pro.) schroederi*, *Ae. (Pro.) tehuantepec*, *Cx. (Cux.) dipseticus*, *Tx. (Lyn.) moctezuma*.
334. Oaxaca, E outskirts of Tehuantepec, km 283 on Fed. Rt. 190, 30m; 1 Sept 65, DS. Large treehole (in mango) in orchard; 3m above ground; water volume about 2 l; deep shade. *Ae. (Pro.) tehuantepec*, *Tx. (Lyn.) moctezuma*.
335. Oaxaca, E outskirts of Matias Romero, 200m; 1 Sept 65, DS. Breeding site not specified but probably a large artificial container or ground pool; water permanent, turbid, grayish, stagnant, foul; some flottage, algal scum; bottom with mud; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) interrogator*, *Cx. (Cux.) nigripalpus*, *Cx. (Cux.) quinquefasciatus*.
336. Oaxaca, E outskirts of Matias Romero, 200m; 1 Sept 65, DS. Egg raft reared from 335; first instar larvae seen 2 Sept. *Cx. (Cux.) ?nigripalpus*.
337. Oaxaca, E outskirts of Matias Romero, 200m; 1 Sept 65, DS. Egg raft reared from 335; eggs hatched 2 Sept; first pupation 14 Sept. *Cx. (Cux.) interrogator*.
338. Oaxaca, just N of Matias Romero, "El Bajio," 200m; 1 Sept 65, DS. Small ground pool in domestic area; water semipermanent, turbid, reddish, stagnant, fresh, volume about 20 l; a little algae; bottom with mud. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
339. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 2 Sept 65, DS. Debris sample from treehole; sterile.
340. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 2 Sept 65, DS. Debris sample from treehole; sterile.
341. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 2 Sept 65, DS. Debris sample from treehole; sterile.
342. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 2 Sept 65, DS. Debris sample from treehole; sterile.
343. Veracruz, Acayucan, just E of Jesus Carranza, near Rio Jaltepec, 30m; 3 Sept 65, DS. Margin of swamp in second growth; water permanent, clear, brownish, stagnant, fresh; abundant herbaceous, woody vegetation; bottom with mud, dead leaves; deep shade. *Cx. (Mel.) conspirator*, *Cx. (Mel.) pilosus*.
344. Veracruz, Acayucan, just E of Jesus Carranza, near Rio Jaltepec, 30m; 3 Sept 65, DS. Adults biting-landing in second growth near swamp; 1500-1515hrs; partial shade. *Ps. (Jan.) albipes*, *Ps. (Jan.) cyanescens*, *Ps. (Jan.) ferox*.
345. Veracruz, Veracruz, Paso de Ovejas, about 1.5km from Fed. Rt. 140 on road to "Cerro Guzman," 100m; 4 Sept 65, DS. Adult biting along road at edge of dense second growth; 1900hrs (dusk). *Ps.* sp undetermined.
346. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Volcanic rockhole (in boulder used as part of wall) in grazing area; 1m above ground; partial shade. *Ae. (Pro.) gabriel*, *Ae. (Pro.) kompi*.
347. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Volcanic rockhole; partial shade. *Ae. (Azt.) ramirezi*.
348. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Volcanic rockhole. *Ae. (Azt.) ramirezi*, *Ae. (Och.) epactius*.
349. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Small treehole. *Ae. (Pro.) gabriel*, *Ae. (Pro.) kompi*.
350. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Large treehole (in base of rotted tree); at ground level; water volume about 5 l. *Ae. (Pro.) gabriel* (holotype), *Ae. (Pro.) kompi*.

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351. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Small treehole. *Ae. (Pro.) kompi*.
352. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Small treehole; water volume about 100ml. *Ae. (Pro.) gabriel*, *Ae. (Pro.) kompi*.
353. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Small volcanic rockhole. *Ae. (Och.) epactius*.
354. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Volcanic rockhole in boulder along road; water volume about 50ml. *Ae. (Azt.) ramirezi*.
355. Morelos, 4.3km W of Tepoztlan on road to Cuernavaca, 0.8km E of Gabriel Mariaca, 1600m; 7 Sept 65, DS. Volcanic rockhole; water volume about 200ml. *Ae. (Pro.) gabriel*.
356. Guerrero, about 20km W of Chilpancingo, near Omiltemi, 2100m; 8 Sept 65, DS. Small treehole (in avocado); 2m above ground; partial shade. No specimens.
357. Guerrero, about 20km W of Chilpancingo, near Omiltemi, 2100m; 8 Sept 65, DS. Stream pool in pine-oak forest; water semipermanent, turbid, muddy brown, stagnant; a little vegetation; bottom with mud. *Cx. (Ncx.) arizonensis*.
358. Guerrero, about 20km W of Chilpancingo, near Omiltemi, 2100m; 8 Sept 65, DS. Debris sample from small treehole; sterile.
359. Guerrero, about 20km W of Chilpancingo, near Omiltemi, 2100m; 8 Sept 65, DS. Small treehole. No specimens.
360. Guerrero, about 20km W of Chilpancingo, near Omiltemi, 2100m; 8 Sept 65, DS. Small treehole. No specimens.
361. Guerrero, about 20km W of Chilpancingo, about 3km E of Omiltemi on road to Chilpancingo, 2100m; 8 Sept 65, DS. Large treehole (in oak) in pine-oak forest; 0.5m above ground; water volume more than 5 l; partial shade. *Or. kummi*.
- 361A. Guerrero, about 20km W of Chilpancingo, about 3km E of Omiltemi on road to Chilpancingo, 2100m; 8 Sept 65, DS. Adults biting-landing on man along road in pine-oak forest; at dusk. *Ae. (How.) lorraineae*.
362. Guerrero, about 20km W of Chilpancingo, about 3km E of Omiltemi on road to Chilpancingo, 2100m; 8 Sept 65, DS. Epiphytic bromeliads (clump of medium-sized *Tillandsia*) in pine-oak forest; 2.5 m above ground; partial shade. *Ae. (How.) ?lorraineae*, *Ae. sp* undetermined, *Cx. (Mca.) sandrae* (holotype).
363. Guerrero, E outskirts of Acapulco, 10m; 9 Sept 65, DS. Breeding site not specified but probably a large ground pool, in domestic area; water semipermanent, clear, stagnant, fresh, foul; abundant scum, grassy, herbaceous vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) sp* undetermined, *Cx. (Mel.) sp* undetermined, *Ur. lowii*.
364. Guerrero, E outskirts of Acapulco, 10m; 9 Sept 65, DS. Eggs from 363; hatched larvae seen 11 Sept. *Ur. lowii*.
365. Guerrero, 55km N of Acapulco on Fed. Rt. 95, 400m; 9 Sept 65, DS. Streamside rockhole in second growth; water semipermanent, clear, stagnant, fresh; a little algal scum; bottom with mud, rock; full sun. *Cx. (Cux.) coronator* group.
366. Guanajuato, about 2.5km W of Guanajuato on road to Fed. Rt. 45, 2000m; 12 Sept 65, DS. Small artificial container (tin can) along road; water semipermanent, turbid, gray, foul; bottom with debris; partial shade. *Cx. (Cux.) sp* undetermined.
367. Guanajuato, about 2.5km W of Guanajuato on road to Fed. Rt. 45, 2000m; 12 Sept 65, DS. Streamside rockhole in grazing area; water volume about 600ml; scum on bottom; full sun. *An. sp* undetermined.
368. Guanajuato, about 3km W of Guanajuato on road to Fed. Rt. 45, 2000m; 12 Sept 65, DS. Large artificial container (cement cistern, 2.5m wide, 0.3m deep) in grazing area; water semipermanent, greenish, stagnant, fresh; algae present; bottom with sand, gravel; partial shade. *Cx. (Cux.) peus*.
369. Sinaloa, 4km NW of Mazatlan, behind "Sands Motel," 5m; 14 Sept 65, DS. Large ground pool in domestic area; water semipermanent, slightly turbid, brownish, stagnant, fresh; abundant grassy vegetation, algae; bottom with mud, dead grass; full sun. *Ae. (Och.) taeniorhynchus*.

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370. Sinaloa, 4km NW of Mazatlan, behind "Sands Motel," 5m; 14 Sept 65, DS. Adults biting-landing on man in domestic area; 1400hrs. *Ae. (Och.) taeniorhynchus*, *Ps. (Jan.) ?varipes*.
371. Sinaloa, just N of Mazatlan on Fed. Rt. 15, at SE end of airport runway, 5m; 14 Sept 65, DS. Small ground pool in grazing area; water temporary, turbid, muddy; abundant grass; bottom with mud; partial-full sun. *Ps. (Gra.) confinnis* group, *Ps. (Pso.) howardii*.
372. Sonora, about 1.5km W of Ciudad Obregon on road to Yaqui, 20m; 15 Sept 65, DS. Ditch along road in cotton field; water temporary, turbid, tanish, stagnant, fresh; abundant grassy vegetation; bottom with mud. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
373. Sonora, about 20km NW of Ciudad Obregon on Fed. Rt. 15, 20m; 15 Sept 65, DS. Adults biting man and taken sweeping along road; at dusk. *Ps. (Jan.) ?sp 1*.
374. Not used.
375. Baja California, Angel de la Guarda Island; 7 Mar 66. *Cx. (Cux.) ?tarsalis*, *Cs. (Cus.) incidens*.
376. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 11 Jul 65, CH. Adults at lights (flood and ultraviolet) in domestic area; 2300hrs. *Ae. (Och.) angustivittatus*, *Ae. (Och.) ?angustivittatus-trivittatus* hybrids, *An. (Ano.) apicimacula*, *Cx. (Lut.) bigoti*.
377. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 12 Jul 65, CH. Adult landing on man in grassy clearing in wooded area; 1230hrs; full sun. *Hg. (Hag.) mesodentatus*.
378. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 12 Jul 65, CH. Adults biting-landing on man along trail in tropical evergreen forest; 1200-1300hrs; deep shade. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids.
379. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 12 Jul 65, CH. Artificial container (swimming pool) in domestic area; water permanent, clear; no vegetation. *Cx. (Cux.) coronator* group.
380. Veracruz, Cordoba, Fraccionamiento San Nicolas, Dr. Alfred Lau's residence, 1000m; 12 Jul 65, CH. Flower bracts of *Heliconia* in garden. *Cx. (Cux.) corniger*, *Cx. (Cux.) quinquefasciatus*.
381. Veracruz, about 10km NE of Cordoba on map, near "Pinuela," "Cueva del Nacimiento del Agua" (cave of origin of Rio Atoyac), 1000m; 13 Jul 65, CH. Adults biting-landing in forest; partial shade. *Ae. (Pro.) amabilis* (holotype), *Ae. (Pro.) diazi* (holotype), *Hg. (Hag.) mesodentatus*, *Tr. (Trc.) digitatum*.
382. Veracruz, about 10km NE of Cordoba on map, near "Pinuela," "Cueva del Nacimiento del Agua" (cave of origin of Rio Atoyac), 1000m; 13 Jul 65, CH. Adult biting-landing in forest. *Tr. (Trc.) digitatum*.
383. Veracruz, Cordoba, trail between "Presidio" and Zongolica, 500m; 14 Jul 65, CH. Leaf axils of terrestrial aroid ("elephant ears"); water turbid, white. *Tr. (Shn.)* sp undetermined.
384. Veracruz, Cordoba, trail between "Presidio" and Zongolica, 500m; 14 Jul 65, CH. Leaf axils of terrestrial aroid ("elephant ears") along trail; water clear. *Tr. (Shn.)* sp undetermined.
385. Veracruz, Cordoba, "Presidio," 300m; 14 Jul 65, CH. Adults biting-landing on man in domestic area; 1600hrs. *Ps. (Jan.) albipes*.
386. Veracruz, Cordoba, 0.8km S of "Presidio," 300m; 14 Jul 65, CH. Adults biting-landing on man at edge of small stream in tropical evergreen forest; 1500hrs. *Ae. (Pro.) amabilis*, *Cx. (Cux.)* sp undetermined, *Hg. (Hag.) mesodentatus*.
387. Baja California Sur, Puerto Magdalena, Magdalena Bay, "Canal Hull," near sea level; 12 Mar 66, CH. Adult biting man at edge of mangroves; 1400hrs; full sun. *Ae. (Och.) taeniorhynchus*.
388. Baja California Sur, Puerto Magdalena, Magdalena Bay, "Mangrove Id.," near sea level; 13 Mar 66, CH. Adult biting man in mangroves; 1400hrs; deep shade. *Ae. (Och.) taeniorhynchus*.
389. Baja California Sur, San Jose del Cabo, "Estero Saltea," near sea level; 14 Mar 66, CH. Large crabhole in palm grove at edge of salt lagoon; water gray, brackish (4100ppm), pH8; bottom with mud. *De. mcdonaldi*.
390. Baja California Sur, San Jose del Cabo, "Estero Saltea," near sea level; 14 Mar 66, CH. Crabhole in palm grove at edge of salt lagoon; water brackish (3300ppm), pH8. *De. mcdonaldi*.
391. Baja California Sur, San Jose del Cabo, "Estero Saltea," near sea level; 14 Mar 66, CH. Crabhole in palm grove at edge of salt lagoon; water brackish (8400ppm), pH7.6. *De. mcdonaldi*.

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392. Baja California Sur, San Jose del Cabo, "Estero Saltea," near sea level; 14 Mar 66, CH. Very large crabhole (20-25cm wide) in palm grove at edge of salt lagoon; water brackish (2350ppm), pH7.6-8, with strong sulphurous odor. *De. mcdonaldi*. Adults resting deep in same crabhole; 1200hrs. *An. (Ano.) pseudopunctipennis*, *Cx. (Cux.)* sp undetermined.
393. Baja California Sur, San Jose del Cabo, "Estero Saltea," near sea level; 14 Mar 66, CH. Crabhole in palm grove at edge of salt lagoon; water brackish (5650ppm), pH8. *De. mcdonaldi*.
394. Mexico, 43km E of Zitacuaro on Fed. Rt. 15, about 3km E of turnoff to Valle de Bravo, 2400 m; 23 Jul 66, DV. Large treehole (25cm wide) in grazing area; water dark brown; bottom with dead leaves. *Ae. (Och.) muelleri*.
- 395-409. Not used.
410. Guanajuato, about 1.5km W of Guanajuato on Fed. Rt. 110, 2000m; 5 Aug 66, DS. Large artificial container in grazing area; water probably semipermanent, clear, stagnant, fresh; no vegetation; bottom with mud, rocks; partial shade. *Cx. (Cux.) peus*.
411. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 7 Aug 66, DS. Adult biting-landing on man along road; 1900hrs; partial shade. *Hg. (Hag.) mesodentatus*.
412. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 7-8 Aug 66, DS. Trap (CDC light trap) in protected depression; 1m above ground; 1830-0800hrs. No mosquitoes.
413. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 8 Aug 66, DS. Adults biting-landing on man; 0800-0830hrs. *Ae. (Pro.) idanus*, *Hg. (Hag.) mesodentatus*, *Tr. (Shn.)* new sp, *Sa. (Sbo.) chloropterus*.
414. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Adults biting-landing on man along road and in thick vegetation near stream; 0830-1000hrs; partial shade. *Hg. (Hag.) mesodentatus*, *Sa. (Sbo.) chloropterus*.
415. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Co.* ?sp 10, *Cx. (Mca.) schicki* (holotype), *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
416. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Co.* ?sp 10, *Cx. (Mca.) schicki*, *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
417. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Cx. (Mca.) schicki*, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
418. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Cx. (Mca.) schicki*, *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
419. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Leaf axils of terrestrial aroid ("elephant ear"). *Wy. (Pen.)* sp 72.
420. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Large treehole (in dead tree); 3m above ground; water clear, reddish-brown; bottom with dead plant matter. *Ae. (Pro.) idanus* (holotype), *Cx. (And.) restrictor*.
421. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Cx. (Mca.) schicki*, *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.) pertinans* group, *Wy. (Wyo.)* sp 41.
422. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Treehole. No specimens.
423. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Small treehole (in oak). No specimens.

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424. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 7 Aug 66, DS. Small treehole (in *Acacia*); water clear; bottom with dead plant matter. *Cx. (And.) ?restrictor*.
425. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 7 Aug 66, DS. Treehole (in guava); water reddish-brown. *Co. appendiculata*, *Tx. (Lyn.) moctezuma*.
426. Guerrero, 34km S of Chilpancingo on Fed. Rt. 95, "Agua de Obispo," ?900m; 7 Aug 66, DS. Small treehole (in guava); water clear, reddish-brown; bottom with dead plant matter. *Cx. (And.) ?restrictor*.
427. Guerrero, about 38km S of Chilpancingo, "Rancho Viejo de Agua de Obispo (3miles along road below Agua de Obispo)," ?700m; 8 Aug 66, DS. Epiphytic bromeliad (1 *Aechmea*). *Cx. (Mca.) schicki*, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
428. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Epiphytic bromeliad (1 *Tillandsia* on oak); 2m above ground; partial shade. *Ae. (How.) ?lorraineae*, *Cx. (Mcx.)* sp undetermined.
429. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Epiphytic bromeliad (1 *Tillandsia*). *Ae. (How.) guerrero* complex, *Ae. (How.) ?lorraineae*, *Cx. (Mca.) sandrae*, *Wy. (Pen.)* ?sp 72.
430. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Epiphytic bromeliad (1 *Tillandsia*). *Ae. (How.) guerrero* complex, *Ae. (How.) ?lorraineae*, *Ae. (How.) quadrivittatus*, *Cx. (Mca.) sandrae*, *Cx. (Mcx.)* sp undetermined.
431. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Epiphytic bromeliad (1 *Tillandsia*). *Ae. (How.) guerrero* complex, *Ae. (How.) ?lorraineae*, *Cx. (Mcx.)* sp undetermined.
432. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Large ground pool. *Cx. (Ncx.)* sp undetermined, *Cs. (Cus.)* sp undetermined.
433. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 12 Aug 66, DS. Adults biting-landing on man in second growth of pine-oak forest; 1800-1830hrs. *Ae. (How.) lorraineae* (holotype), *Ae. (How.) quadrivittatus*.
434. Oaxaca, about 1.5km NE of "El Punto" on State Rt. 175 between Oaxaca and Ixtlan de Juarez, 2300m; 13 Aug 66, DS. Epiphytic bromeliad (1 *Tillandsia* on oak); 2m above ground. *Ae. (How.) guerrero* complex, *Ae. (How.) ?lorraineae*.
435. Oaxaca, a few miles W of Tehuantepec, just W of "Puentes Tortugas" on Fed. Rt. 190, 100m; 16 Aug 66, DS. Small treehole in thorn scrub; partial shade. *Hg. (Hag.) equinus*.
436. Oaxaca, a few miles W of Tehuantepec, just W of "Puentes Tortugas" on Fed. Rt. 190, 100m; 16 Aug 66, DS. Large treehole in thorn scrub. *Cx. (And.) restrictor*.
437. Oaxaca, a few miles W of Tehuantepec, just W of "Puentes Tortugas" on Fed. Rt. 190, 100m; 16 Aug 66, DS. Large treehole (in stump of living tree) in thorn scrub; below ground level; water clear, very dark red-brown, volume about 5 l; bottom with dead plant matter. *Cx. (And.) restrictor*, *Tx. (Lyn.) moctezuma*.
438. Campeche, 10km SW of Champoton on Fed. Rt. 180, near sea level; 18 Aug 66, DS. Small treehole (in crotch of sea grape, *Coccoloba*) along road near sea; 1.5m above ground; partial shade. *Ae. (Pro.) podographicus*.
439. Veracruz, Cordoba, SW of Fortin de las Flores, "Rio Metlac," 1000m; 21 Aug 66, DS. Artificial container (cement wash basin); bottom with dead leaves. *Cx. (Cux.)* sp undetermined, *Cx. (Ncx.) derivator*.
440. Veracruz, Cordoba, SW of Fortin de las Flores, "Rio Metlac," 1000m; 21 Aug 66, DS. Rock-hole in coffee plantation; bottom with algae; full sun. *Ae. (Och.) epactius*, *Cx. (Cux.) coronator* group.
441. Veracruz, Cordoba, SW of Fortin de las Flores, "Rio Metlac," 1000m; 21 Aug 66, DS. Small artificial container (tin can); deep shade. *Cx. (Car.) bihaicolus*, *Tx. (Lyn.) moctezuma*.
442. Veracruz, Cordoba, SW of Fortin de las Flores, "Rio Metlac," 1000m; 21 Aug 66, DS. Flower bracts of *Heliconia*. *Cx. (Car.) bihaicolus*, *Cx. (Cux.)* sp undetermined, *Li. durhamii*, *Tx. (Lyn.) moctezuma*.
- 443-449. Not used.
450. Sinaloa, Mazatlan, 10m; 10 Aug 65, LG. Large ground pool in garbage dump along road; water temporary, turbid, stagnant, fresh; scum present; bottom with mud; full sun. *Cx. (Cux.) coronator*

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group, *Cx. (Cux.) nigripalpus*.

451. Sinaloa, Mazatlan, 10m; 10 Aug 65, LG. Small ground pool in garbage dump along road; water temporary, turbid, stagnant, fresh, foul; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
452. Sinaloa, N of Mazatlan, dirt road E from Fed. Rt. 15, 10m; 11 Aug 65, LG. Small ground pool in clearing along road; water semipermanent, clear, stagnant, fresh; abundant grassy, herbaceous vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group, *Cx. (Cux.) nigripalpus*, *Ps. (Pso.) ?stonei*.
453. Sinaloa, N of Mazatlan, dirt road E from Fed. Rt. 15, 10m; 11 Aug 65, LG. Small ground pool in clearing along road; water temporary, clear, stagnant, fresh; a little grassy vegetation; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group.
454. Sinaloa, N of Mazatlan, dirt road E from Fed. Rt. 15, 10m; 11 Aug 65, LG. Animal tracks in clearing along road; water temporary, clear, stagnant, fresh; a little grassy vegetation; bottom with mud; partial shade. *Ps. (Gra.) confinnis* group.
455. Sinaloa, Mazatlan, near sea level; 12 Aug 65, LG. Adults biting-landing on man in domestic area; 0900hrs. No specimens.
456. Nayarit, Santiago, lagoon about 5km E of San Blas, near sea level; 14 Aug 65, LG. Epiphytic bromeliad (on mangrove) in mangrove swamp; 2m above ground; deep shade. *Co. ?sp 10*, *Wy. (Wyo.) sp 41*.
457. Jalisco, Puerto Vallarta, about 0.5km N of airport, near sea level; 14-25 Aug 65, LG. Large ground pool in grassy pasture; water semipermanent, clear, with slow current; a little algae, grassy vegetation; bottom with mud, dead plant matter; full sun. *An. (Nys.) albimanus*, *Cx. (Mel.) sp* undetermined.
458. Jalisco, about 3km S of Puerto Vallarta, near sea level; 25 Aug 65, LG. Small ground pool (tire ruts) along road; water temporary, turbid, stagnant, fresh; no vegetation; bottom with mud; partial shade. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
459. Jalisco, about 3km S of Puerto Vallarta, near sea level; 25 Aug 65, LG. Small ground pool along road; water temporary, turbid, stagnant, fresh; no vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
460. Jalisco, about 3km N of Puerto Vallarta, near sea level; 25 Aug 65, LG. Adult resting in crabhole (5cm wide, at base of mangrove) at edge of mangroves; 1130hrs; partial shade. *De. mcdonaldi*.
461. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in second growth; water turbid; bottom with mud, sand; deep shade. *De. mcdonaldi*.
462. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole along road in thorn scrub; 1300hrs; deep shade. *De. mcdonaldi*.
463. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid; bottom with mud; deep shade. *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.
464. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole along road in thorn scrub; 1320hrs; deep shade. *De. mcdonaldi*.
465. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adult resting in crabhole along road in thorn scrub; deep shade. *De. mcdonaldi*.
466. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. belkini*, *De. mcdonaldi*.
467. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.
468. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.
469. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.
470. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Small crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *Ae.*

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(*Och.*) *taeniorhynchus*, *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.

471. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.

(*Cux.*) *inflictus* group, *De. mcdonaldi*.

472. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

473. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *De. mcdonaldi*.

474. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

475. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *De. mcdonaldi*.

476. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *De. mcdonaldi*.

477. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Small crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.

(*Cux.*) *inflictus* group, *De. mcdonaldi*.

478. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *Cx. (Cux.) inflictus* group, *De. mcdonaldi*.

(*Cux.*) *inflictus* group, *De. mcdonaldi*.

479. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

480. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

481. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *De. mcdonaldi*.

482. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

483. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Adults resting in crabhole (5cm wide) along road in thorn scrub; 1730-1930hrs; partial shade. *De. mcdonaldi*.

484. Jalisco, Puerto Vallarta, about 0.5km NW of airport, near sea level; 25 Aug 65, LG. Large crabhole along road in thorn scrub; water turbid, fresh; bottom with mud, sand; partial shade. *De. mcdonaldi*.

485. Baja California Sur, La Paz, about 6km W of "radio station XEHZ," near sea level; 30 Aug 65, LG. Small ground pool along road at edge of saltmarsh; water temporary, turbid, stagnant, possibly brackish; scum present; bottom with mud, sand; partial shade. *An. sp* undetermined, *Cx. (Cux.) coronator* group, *Cx. (Cux.) peus*, *Cx. (Cux.) sp* undetermined, *Ps. (Pso.) sp* undetermined.

486. Sonora, 10km N of Ciudad Obregon, Esperanza, Fed. Rt. 15 at Rio Yaqui (12RXF0454), 50 m; 4 Sept 65, LG. Small ground pool near river; water probably temporary, clear, stagnant, fresh; no vegetation; bottom with mud, dead plant matter; full sun. *An. sp* undetermined, *Cx. (Cux.) coronator* group, *Cx. (Mel.) sp* undetermined, *Ps. (Gra.) confinnis* group, *Ps. (Gra.) ?signipennis*, *Sy. sp* undetermined.

487. Sonora, 10km N of Ciudad Obregon, Esperanza, Fed. Rt. 15 at Rio Yaqui (12RXF0454), 50 m; 4 Sept 65, LG. Small ground pool near river; water probably temporary, turbid, stagnant, fresh; a little algae; bottom with mud, dead plant matter; full sun. *Ps. (Gra.) confinnis* group, *Ps. (Gra.) ?signipennis*.

488. Durango, about 53km W of Durango, km 1013 on Fed. Rt. 40, about 10km E of Navios, 2400 m; 3 Jul 67, GS. Treehole in grazing area; water light brown, volume about 2 l; partial shade. *Ae. (Och.) muelleri*, *Ae. (Pro.) schicki*.

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489. Durango, about 53km W of Durango, km 1013 on Fed. Rt. 40, about 10km E of Navios, 2400 m; 3 Jul 67, GS. Treehole in grazing area. *Ae. (Och.) muelleri*.
- 490-491. Not used.
492. Baja California, about 50km SW of Mexicali, "Cantu Springs" (11SPF1077), 200m; 27 Nov 67, JM. Spring in desert canyon at base of *Washingtonia* palm; water permanent, clear; moderate amount of vegetation (sedges); bottom with mud, dead plant matter. *An.* sp undetermined.
493. Baja California, about 50km SW of Mexicali, "Cantu Springs" (11SPF1077), 200m; 27 Nov 67, JM. Spring in desert canyon by roots of *Washingtonia* palm; water permanent, clear; a little herbaceous vegetation; bottom with mud, dead plant matter. *An.* sp undetermined.
494. Baja California, about 50km SW of Mexicali, "Cantu Springs" (11SPF1077), 200m; 27 Nov 67, JM. Spring in desert canyon; water permanent, turbid, greenish-yellow, with very slow current; some grassy vegetation; bottom with mud. *Cx. (Cux.) thriambus*, *Cs. (Cus.) incidens*.
495. Baja California, about 60km SW of Mexicali, "Guadalupe Hot Springs" (11SPF1559), 300m; 26 Nov 67, JM. Spring in desert canyon near *Washingtonia* palms; water permanent, turbid, brownish; choked with sedges; bottom with mud, dead plant matter; deep shade. *Co. ?laneana*.
496. Baja California, about 60km SW of Mexicali, "Guadalupe Hot Springs" (11SPF1559), 300m; 26 Nov 67, JM. Small ground pool at edge of stream fed by springs in desert canyon; water temporary, turbid; abundant algae; bottom with sand, dead plant matter; partial shade. *Cx. (Cux.) thriambus*, *Cs. (Cus.) incidens*.
497. Baja California, about 60km SW of Mexicali, "Guadalupe Hot Springs" (11SPF1559), 300m; 26 Nov 67, JM. Adults at light in desert canyon near springs; 1930hrs. No mosquitoes.
498. Sonora, Ciudad Obregon, 3km W of Pueblo Yaqui (12RWF9125), 20m; 22 Jun 70, DS, KS. Animal tracks along road in cultivated area; water temporary, clear, stagnant, fresh; a little flottage, algal scum, grass; bottom with mud, feces; full sun. *Ae. (Adm.) vexans*, *Ps. (Gra.) confinnis* group.
499. Sinaloa, Concordia, 23.7km E of Fed. Rt. 15 on Fed. Rt. 40, 1.6km E of Zavala, 100m; 24 Jun 70, DS, KS. Small treehole along road in thorn scrub; 0.7m above ground; partial shade. No specimens.
500. Sinaloa, Concordia, 23.7km E of Fed. Rt. 15 on Fed. Rt. 40, 1.6km E of Zavala, 100m; 24 Jun 70, DS, KS. Small treehole along road in thorn scrub; 2.2m above ground; partial shade. No specimens.
501. Sinaloa, Copala, 57.6km E of Fed. Rt. 15 on Fed. Rt. 40, 0.8km E of turnoff to "El Coco," 900m; 24 Jun 70, DS, KS. Small treehole along road in cleared forest; 1m above ground; water clear, brownish-red, volume about 250ml; bottom with dead plant matter; partial shade. *Ae. (Pro.)* sp near *idanus*, *Hg. (Hag.) mesodentatus*.
502. Sinaloa, Copala, 57.6km E of Fed. Rt. 15 on Fed. Rt. 40, 0.8km E of turnoff to "El Coco," 900m; 24 Jun 70, DS, KS. Small treehole along road in cleared forest; 1m above ground; bottom with dead plant matter; partial shade. No specimens.
503. Sinaloa, Copala, 57.6km E of Fed. Rt. 15 on Fed. Rt. 40, 0.8km E of turnoff to "El Coco," 900m; 24 Jun 70, DS, KS. Small treehole (debris sample from) along road in cleared forest; 0.6m above ground; partial shade. No specimens.
504. Sinaloa, Copala, 57.6km E of Fed. Rt. 15 on Fed. Rt. 40, 0.8km E of turnoff to "El Coco," 900m; 24 Jun 70, DS, KS. Small treehole along road in cleared forest; 0.3m above ground; water clear, reddish-brown, volume about 100ml; bottom with dead plant matter; partial shade. *Ae. (Pro.)* sp near *idanus*.
505. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Volcanic rockhole at edge of intermittent stream in partially cleared area; water volume about 50ml; bottom with plant matter; partial shade. No specimens.
506. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Volcanic rockhole at edge of intermittent stream in partially cleared area; water clear, stagnant, volume about 200ml; bottom with plant matter; deep-partial shade. *Ae. (Azt.) ramirezi*, *Ae. (Och.) epac-tius*, *Ae. (Pro.) gabriel*.
507. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70,

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- DS, KS. Pool (6 X 2m) in intermittent stream in partially cleared area; water turbid, stagnant; no vegetation; bottom with mud, rock, twigs; deep-partial shade. *Ae. (Och.) trivittatus*, *Cx. (Cux.) peus*.
508. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Pool (1 X 2m) in intermittent stream in partially cleared area; water turbid, stagnant; no vegetation; bottom with mud, rock, twigs. *Ae. (Och.) angustivittatus-trivittatus* hybrids.
509. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Pools (2 small) in intermittent stream in partially cleared area; water turbid, stagnant; no vegetation; bottom with mud, rock, plant matter. *Ae. (Och.) ?angustivittatus-trivittatus* hybrids.
510. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Volcanic rockhole at edge of intermittent stream in partially cleared area; water clear, stagnant, volume about 250ml; bottom with plant matter; partial shade. *Ae. (Och.) epactius*, *Cx. (Cux.) coronator* group.
511. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Pool (3 X 1m) in intermittent stream in partially cleared area; water turbid, stagnant; no vegetation; bottom with mud, plant matter. *Ae. (Och.) angustivittatus*, *Ae. (Och.) angustivittatus-trivittatus* hybrids, *Ae. (Och.) trivittatus*.
512. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Volcanic rockhole in wall in partially cleared area; water clear, stagnant, volume about 250ml; bottom with plant matter; deep shade. *Ae. (Azt.) ramirezi*, *Ae. (Och.) epactius*.
513. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Volcanic rockhole at edge of intermittent stream in partially cleared area; water clear, stagnant, volume about 100ml; bottom with plant matter. *Ae. (Azt.) ramirezi*.
514. Morelos, "Santa Catarina," 13.6km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Small treehole in partially cleared area; 1m above ground; water clear, volume about 30ml; bottom with plant matter; partial shade. Unidentified aedine.
515. Morelos, "Santa Catarina," 13.6km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Epiphytic bromeliads (9 plants on same tree) in partially cleared area; 6m above ground; partial shade. *Ae. (How.) guerrero* complex sp 1, *Ae. (How.) guerrero* complex sp 2.
516. Morelos, "Santa Catarina," 13.4km W of Tepoztlan on road to Cuernavaca, 1600m; 28 Jun 70, DS, KS. Epiphytic bromeliad (1 plant) in partially cleared area; partial shade. *Ae. (How.) guerrero* complex sp 2.
517. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 3 Jul 70, DS, KS. Epiphytic bromeliad (large *Tillandsia*) in partially cleared forest; 1.6m above ground; partial shade. *Ae. (How.) lorraineae*, *Ae. (How.) quadrivittatus*, *Cx. (Mca.) sandrae*, *Cx. (Mcx.)* sp undetermined.
518. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 3 Jul 70, DS, KS. Small treehole in partially cleared forest; 1.5m above ground; water clear, red-brown, volume about 1 l; bottom with plant matter; partial shade. *Ae. (Pro.) chionotum*.
519. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 3 Jul 70, DS, KS. Small treehole in partially cleared forest; 2.4m above ground; water clear, very dark brown, volume about 500ml; bottom with plant matter. No specimens.
520. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 3 Jul 70, DS, KS. Epiphytic bromeliad in partially cleared forest; 1.3m above ground. *Ae. (How.)* sp undetermined.
521. Oaxaca, Ixtlan de Juarez, "Vivero Rancho Teja," 2100m; 3 Jul 70, DS, KS. Small treehole in partially cleared forest; 0.6m above ground; water clear, red-brown, volume about 50ml; bottom with plant matter. *Ae. (Pro.) chionotum*.
522. Oaxaca, 32.3km N of Ixtlan de Juarez on State Rt. 175, ?2800m; 4 Jul 70, DS, KS. Roadside ditch in pine forest; water clear, with slow current; abundant grassy vegetation; bottom with mud, plant matter; partial shade. *An.* sp undetermined, *Cx. (Ncx.) arizonensis*, *Cs. (Cus.) dugesi*.
523. Oaxaca, Ixtlan de Juarez, 73.4km S of "Valle National" on State Rt. 175, ?2700m; 4 Jul 70, DS, KS. Epiphytic bromeliads (4 plants) in pine-oak forest; 1.5-2.5m above ground; partial shade. *Ae. (How.)* sp undetermined.
524. Veracruz, Cordoba, "Rio San Antonio," 1000m; 6 Jul 70, DS, KS. Small treehole (in fallen

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tree over stream) in evergreen forest; 0.5m above ground; water clear, volume about 100ml; bottom with a little plant matter; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) ?pinarocampa*, *Ur. coatzacoalcos*.

525. Veracruz, Cordoba, "Rio San Antonio," 1000m; 6 Jul 70, DS, KS. Small treehole (in fallen tree over stream) in evergreen forest; 0.5m above ground; water clear; bottom with a little plant matter; partial shade. *Ur. coatzacoalcos*.

526. Veracruz, Cordoba, "Rio San Antonio," 1000m; 6 Jul 70, DS, KS. Epiphytic bromeliads (4 rosettes from 1 clump, leaves serrate) in coffee plantation; 4m above ground; partial shade. *Cx. (Mcx.) rejelector*, *Cx. (Mcx.)* sp undetermined, *Wy. (Wyo.) abebela*, *Wy. (Wyo.) pertinans* group.

527. Veracruz, Cordoba, "Rio San Antonio," 1000m; 6 Jul 70, DS, KS. Adult biting man at site of 526 in coffee plantation; 2-4m above ground; 1900hrs; partial shade. *Ae. (Och.) scapularis*.

528. Veracruz, Cordoba, "Rio San Antonio," 1000m; 6 Jul 70, DS, KS. Trap (CDC light trap) in evergreen forest about 100m from river; 2.3m above ground; 1900-2215hrs. *Cx. (Cux.) ?nigripalpus*.

529. Veracruz, about 20km N of Cordoba, 3km S of Ixhuatlan-Cordoba on road to Tomatlan, 1300m; 8 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in coffee plantation; 6m above ground; water volume about 250ml; deep shade. *Ae. (How.)* sp undetermined, *Cx. (Mcx.)* sp undetermined.

530. Veracruz, about 20km N of Cordoba, 3km S of Ixhuatlan-Cordoba on road to Tomatlan, 1300m; 8 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in coffee plantation; 6m above ground; water volume about 250ml; deep shade. *Ae. (How.)* sp undetermined, *Cx. (Mcx.)* sp undetermined.

531. Veracruz, about 20km N of Cordoba, 3km S of Ixhuatlan-Cordoba on road to Tomatlan, 1300m; 8 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in coffee plantation; 6m above ground; water volume about 250ml; deep shade. *Ae. (How.)* sp undetermined, *Cx. (Mcx.)* sp undetermined.

532. Veracruz, about 20km N of Cordoba, 3km S of Ixhuatlan-Cordoba on road to Tomatlan, 1300m; 8 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in coffee plantation; 6m above ground; water volume about 250ml; deep shade. *Ae. (How.)* sp undetermined.

533. Veracruz, about 20km N of Cordoba, 3km S of Ixhuatlan-Cordoba on road to Tomatlan, 1300m; 8 Jul 70, DS, KS. Adults biting man and taken sweeping in coffee plantation; 1630hrs; deep shade. *Ae. (Och.) angustivittatus*.

534. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Small treehole in trees dividing cultivated fields; 1.3m above ground; water red-brown; bottom with plant matter; deep shade. *Co. appendiculata*.

535. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Adults biting man at site of 534 in cultivated area; 1500hrs; deep shade. *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*.

536. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Soil sample from depression in ground; deep shade; sterile.

537. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Soil sample from depression in ground; deep shade; sterile.

538. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Adults biting-landing on man at site of 537 in mango orchard. *Ae. (Och.) taeniorhynchus*.

539. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Debris sample from treehole in mango orchard; 1.2m above ground; deep shade. *Hg. (Hag.) equinus*.

540. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Small ground pool (in road rut) in plantation; water temporary, turbid, stagnant, fresh; no vegetation; bottom with mud, feces; full sun. *Ps. (Gra.) confinnis* group.

541. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Soil sample from depression in ground; deep shade; sterile.

542. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Soil sample from depression in ground; deep shade; sterile.

543. Veracruz, 15km from Paso de San Juan, "Cerro Guzman," 100m; 9 Jul 70, DS, KS. Small ground pool (in road rut) in plantation; water temporary, turbid, stagnant, fresh; no vegetation; bottom with feces; full sun. *Ps. (Gra.) confinnis* group.

544. Tabasco, 10.7km N of Comalcalco on road to Paraiso, 10m; 12 Jul 70, DS, KS. Adults biting

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- man at site of 545 under trees in swampy area; 1200hrs; deep-partial shade. *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*.
545. Tabasco, 10.7km N of Comalcalco on road to Paraiso, 10m; 12 Jul 70, DS, KS. Debris sample from treehole; 1.5m above ground; deep shade; sterile.
546. Tabasco, 10.7km N of Comalcalco on road to Paraiso, 10m; 12 Jul 70, DS, KS. Swamp interior; water permanent, clear, stagnant, fresh; no vegetation, flottage present; bottom with mud, plant debris; deep shade. No specimens.
547. Tabasco, 10.7km N of Comalcalco on road to Paraiso, 10m; 12 Jul 70, DS, KS. Swamp interior; water permanent, clear, stagnant, fresh; abundant flottage, submerged vegetation; bottom with mud, plant matter; full sun. *Cx. (Mel.)* sp undetermined.
548. Tabasco, 7.8km N of Comalcalco on road to Paraiso, 10m; 12 Jul 70, DS, KS. Adults biting-landing on man under tall trees; 1245hrs; deep shade. *Ae. (Och.) taeniorhynchus*.
549. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Medium-sized treehole in cacao plantation; 1m above ground; water brown; surface covered with layer of decaying plant matter; bottom with plant matter; deep shade. No specimens.
550. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Small treehole in cacao plantation; 2m above ground; water brown; bottom with plant matter; deep shade. No specimens.
551. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Small treehole in cacao plantation; 1.5m above ground; deep shade. No specimens.
552. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Adults biting-landing on man in cacao plantation; 1300-1750hrs; deep shade. *Ae. (Och.) angustivittatus*, *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*.
553. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Small treehole in cacao plantation; 4.5m above ground; water tan, volume about 150ml; bottom with plant matter; deep shade. *Co. appendiculata*, *Cx. (And.) conservator*, *Hg. (Hag.) equinus*.
554. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Medium-sized treehole in cacao plantation; 1.5m above ground; water clear, tan, volume about 700 ml; bottom with plant matter; deep shade. *Cx. (And.) conservator*, *Tx. (Lyn.) moctezuma*.
555. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Small treehole in cacao plantation; 2.5m above ground; water clear, brown; bottom with plant matter; deep shade. *Co. appendiculata*, *Cx. (And.) conservator*, *Sa. (Sbo.) chloropterus*, *Tx. (Lyn.) moctezuma*.
556. Tabasco, 7.4km N of Comalcalco on road to Paraiso, "Finca San Julian," 10m; 12 Jul 70, DS, KS. Small treehole in cacao plantation; 1m above ground; water volume about 50ml; deep shade. *Sa. (Sbo.) chloropterus*, *Tx. (Lyn.) moctezuma*.
557. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Adults biting-landing on man under trees near stream in plantation; 1200hrs; deep shade. *Ps. (Jan.) albipes*.
- 557-9P. Progeny rearing from 557. Eggs seen 26 Jul. *Ps. (Jan.) albipes*.
558. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliads (several plants in a single clump, very large *Aechmea*) in cultivated area; 2.5m above ground; partial shade. *Co.* sp 42, *Cx. (Mcx.) rejector*, *Wy. (Wyo.) celaenocephala*.
559. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in grazing area; 2m above ground; partial shade. *Wy. (Wyo.) celaenocephala*.
560. ?Tabasco, 3.2km S of Teapa on road to "Cocona Caves," 100m; 14 Jul 70, DS, KS. Very small treehole (in very small tree) in cacao plantation; 1.5m above ground; water volume about 20ml; partial shade. *Sa. (Sab.) cyaneus*.
561. ?Tabasco, 3.2km S of Teapa on road to "Cocona Caves," 100m; 14 Jul 70, DS, KS. Large artificial container (tire) in cacao plantation; water clear; no vegetation; bottom with plant matter; deep shade. *Li. durhamii*.
562. ?Tabasco, 3.2km S of Teapa on road to "Cocona Caves," 100m; 14 Jul 70, DS, KS. Adults biting man at site of 560 in cacao plantation; 1500hrs. *Ps. (Jan.) albipes*, *Tr. (Trc.) digitatum*.

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563. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized plant in same tree as 559) in grazing area; 6m above ground; partial shade. *Wy. (Wyo.) celaenocephala*.
564. Tabasco, Cardenas, "Colejio Superior de Agricultura Tropical," 20m; 15 Jul 70, DS, KS. Trap (CDC light trap) near dense forest; 2m above ground; 1845-2100hrs. *Ae. (Och.) angustivittatus*, *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*, *Cq. (Rhy.) nigricans*, *Co.* spp undetermined; *Cx. (Cux.) nigripalpus*, *Cx. (Mel.) ?pilosus*, *Cx. (Mel.) ?taeniopus*, *Cx. (Mel.)* sp 74, *Cx. (Mel.)* sp undetermined, *Ur. lowii*.
565. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized, in same tree as 559) in grazing area; partial shade. *Wy. (Wyo.) celaenocephala*.
566. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliad (medium-sized) in grazing area. *Wy. (Wyo.) celaenocephala*.
567. Tabasco, 2.1km W of Teapa, 100m; 14 Jul 70, DS, KS. Epiphytic bromeliads (7 medium-sized plants) in grazing area. *Wy. (Wyo.) celaenocephala*.
568. Tabasco, Cardenas, "Colejio Superior de Agricultura Tropical," 20m; 16 Jul 70, DS. Adult resting on outside of screened window; 1430hrs; partial shade. *Ps. (Pso.) ciliata*.
569. Tabasco, W edge of Tenosique, 30m; 17 Jul 70, DS, KS. Adults biting-landing on man in secondary growth; 1130hrs; deep-partial shade. *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*, *Ps. (Jan.) albipes*, *Ps. (Jan.) ferox*.
570. Tabasco, 1.1km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Small treehole in grazing area; 1m above ground; water clear, volume about 250ml; bottom with plant matter; partial shade. *Ae. (Pro.) terrens* group.
571. Tabasco, 1.1km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Large treehole in grazing area; 0.4m above ground; water volume about 500ml; partial shade. *Ae. (Pro.) terrens* group, *Cx. (Cux.) declarator* group, *Cx. (Cux.) mollis*.
572. Tabasco, 1.1km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Marshy depression in grazing area; water probably semipermanent, clear, stagnant or with slow current, fresh; abundant grassy vegetation; bottom with mud, plant matter; full sun. *Cx. (Mel.) pilosus*, *Ps. (Jan.)* sp undetermined.
573. Tabasco, 1.1km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Large treehole in grazing area; 0.5m above ground; water clear, amber, volume several liters; bottom with plant matter; partial shade. *Ae. (Pro.) terrens* group, *Tx. (Lyn.) moctezuma*.
574. Tabasco, 1.1km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Epiphytic bromeliads (clump of very large ?*Aechmea*) in grazing area; 3m above ground; partial shade. *Cx. (Mcx.) rejector*, *Wy. (Wyo.) celaenocephala*.
575. Tabasco, 2.4km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Open marsh; water permanent, clear, stagnant or with very slow current, fresh; abundant flottage, cattails; bottom with mud; full sun. *An. (Nys.) albimanus*, *Cx. (Cux.) coronator* group, *Cx. (Mel.) pilosus*, *Ps. (Gra.) confinnis* group, *Ur. lowii*.
576. Tabasco, 2.4km W of Tenosique on road to Emiliano Zapata, 30m; 17 Jul 70, DS, KS. Small ground pool at edge of cattail marsh; water temporary; some grassy vegetation; bottom with mud; partial-full sun. *Cx. (Cux.) coronator* group, *Ps. (Gra.) confinnis* group.
577. Tabasco, 8.5km W of Tenosique on road to Emiliano Zapata, 50m; 17 Jul 70, DS, KS. Small treehole in second growth; 2m above ground; water clear, light tan; bottom with plant matter; deep shade. *Hg. (Hag.) equinus*.
578. Tabasco, W edge of Tenosique, 30m; 17 Jul 70, DS, KS. Small treehole in second growth; 1m above ground; water clear; bottom with plant matter. *Wy. (Pen.) arthrostigma*.
579. Tabasco, W edge of Tenosique, 30m; 17 Jul 70, DS, KS. Small treehole in second growth; 0.6 m above ground; water clear; bottom with plant matter. No specimens.
580. Chiapas, Palenque, first 500m on trail from Palenque Ruins to "El Naranjo," 200m; 19 Jul 70, DS, KS. Adults biting-landing on man in tropical evergreen forest; 1400-1800hrs; deep shade. *Ae. (Och.) serratus* group, *Ps. (Jan.) albipes*, *Ps. (Jan.) ferox*, *Tr. (subg. A) ulopus*.
581. Chiapas, Palenque, first 500m on trail from Palenque Ruins to "El Naranjo," 200m; 18-19 Jul

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- 70, DS, KS. Trap (CDC light trap) in tropical evergreen forest; 2m above ground; 1900-0700hrs. *Cx. (Cux.)* sp undetermined, *Cx. (Lut.) allostigma*, *Cx.* sp undetermined.
582. Campeche, about 11km S of Campeche, about 6km S of Lerma on Fed. Rt. 180, 10m; 20 Jul 70, DS, KS. Roadside ditch in thorn scrub; water clear, stagnant, fresh; abundant flotage, grassy, herbaceous vegetation; bottom with mud, plant matter; partial-full sun. *Cx. (Cux.) nigripalpus*.
583. Campeche, about 11km S of Campeche, about 6km S of Lerma on Fed. Rt. 180, 10m; 20 Jul 70, DS, KS. Adults biting-landing on man (at site of 582) along road in thorn scrub; 1700hrs; sky overcast, temperature warm. *Ps. (Jan.) cyanescens*.
584. Campeche, 19.4km S of Campeche, 14.2km S of Lerma on Fed. Rt. 180, near sea level; 20 Jul 70, DS, KS. Large treehole along road near sea; 1m above ground; water clear, volume about 2 l, pH8; partial shade. *Ae. (Pro.) podographicus*, *Cx. (Cux.) corniger*, *Cx. (Cux.) nigripalpus*.
585. Campeche, 20.5km S of Campeche, 15.4km S of Lerma on Fed. Rt. 180, near sea level; 21 Jul 70, DS, KS. Adult biting man at edge of stream in thorn scrub; 1400hrs; full sun. *Ps. (Jan.) cyanescens*.
586. Campeche, 20.5km S of Campeche, 15.4km S of Lerma on Fed. Rt. 180, near sea level; 21 Jul 70, DS, KS. Adults biting-landing on man (at site of 587, 588) near stream about 50m from sea; 1400-1500hrs; deep-partial shade. *Ae. (Och.) bimaculatus*, *Ae. (Och.) taeniorhynchus*, *Hg. (Hag.) equinus*, *Ps. (Jan.) albipes*, *Ps. (Jan.) cyanescens*, *Ps. (Jan.) ferox*, *Ps. (Jan.) mexicana*, *Ps. (Jan.)* sp 3.
587. Campeche, 20.5km S of Campeche, 15.4km S of Lerma on Fed. Rt. 180, near sea level; 21 Jul 70, DS, KS. Saxicolous bromeliad (large ?*Aechmea*) at edge of stream about 50m from sea; partial shade. *Wy. (Wyo.) celaenocephala*.
588. Campeche, 20.5km S of Campeche, 15.4km S of Lerma on Fed. Rt. 180, near sea level; 21 Jul 70, DS, KS. Rockhole in thorn scrub about 50m from sea; water clear, stagnant, fresh; bottom with mud, plant matter; partial shade. *Ae. (Och.)* sp undetermined.
589. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Rockhole (0.6 X 0.3m) in domestic area; water turbid, gray, stagnant, fresh, foul; no vegetation; bottom with mud, plant matter; partial shade. *Cx. (Cux.) coronator* group.
590. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Small rockhole in domestic area; water turbid, gray, stagnant, fresh, foul; no vegetation; bottom with mud, plant matter. *Cx. (Cux.) coronator* group.
591. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Rockhole in thorn scrub; water clear, stagnant, fresh, volume about 3 l; no vegetation; bottom with leaves; deep shade. *Cx. (Cux.) corniger*, *Cx. (Cux.) interrogator*, *Cx. (Cux.) ?nigripalpus*.
592. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Adults biting-landing on man (while making collections 591-595) in thorn scrub; 1700hrs; deep-partial shade. *Ae. (Och.) atactavittatus*, *Ae. (Och.) scapularis*, *Ae. (Och.) serratus* group, *Ae. (Och.) taeniorhynchus*, *Ps. (Jan.) ferox*, *Ps. (Jan.) mexicana*.
593. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Rockhole in thorn scrub; water clear, stagnant, fresh, volume about 250ml; no vegetation; bottom with leaves; partial shade. *Cx. (Cux.) coronator* group.
594. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Rockhole in thorn scrub; water clear, stagnant, fresh, volume about 500ml; no vegetation; bottom with leaves; partial shade. *Cx. (Cux.) corniger*, *Cx. (Cux.)* sp undetermined.
595. Campeche, 5.1km S of Campeche on Fed. Rt. 180, E edge of Lerma, 5m; 21 Jul 70, DS, KS. Rockhole in thorn scrub; water clear, stagnant, fresh, volume about 2 l; no vegetation; bottom with leaves; partial shade. *Cx. (Cux.) corniger*, *Tx. (Lyn.) moctezuma*.
596. Campeche, 20.5km S of Campeche, 15.4km S of Lerma on Fed. Rt. 180, near sea level; 21 Jul 70, DS, KS. Soil sample from edge of rockhole (same as in 588) in thorn scrub; sterile.
597. Campeche, Bolonchenticul, 9.4km S of Campeche-Yucatan state line on Fed. Rt. 180, 50m; 4 Aug 70, DS, KS. Adults biting-landing on man along road; 1500hrs; partial shade. *Ae. (Och.) taeniorhynchus*.
598. Campeche, 2.2km SW of Hopelchen on Fed. Rt. 180, 50m; 4 Aug 70, DS. Soil sample from depression in ground; abundant grassy vegetation; partial shade; sterile.

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599. Campeche, Hopelchen, 13.9km E of turnoff to Edzna on Fed. Rt. 180, 50m; 4 Aug 70, DS, KS. Large ground pool along road; water temporary, clear, stagnant, fresh; abundant grassy vegetation; bottom with mud, sand, rock, plant matter; full sun. *Cx. (Mel.) pilosus*.
600. Campeche, Hopelchen, 13.9km E of turnoff to Edzna on Fed. Rt. 180, 50m; 4 Aug 70, DS, KS. Large ground pool along road; water temporary, clear, stagnant, fresh; flottage, grassy vegetation; bottom with mud, sand, rock, plant matter; full sun. *Ae. (Och.) atactavittatus*, *Ae. (Och.) scapularis*, *Cx. (Mel.) pilosus*, *Ps. (Jan.) ferox*.
601. Campeche, Hopelchen, 13.9km E of turnoff to Edzna on Fed. Rt. 180, 50m; 4 Aug 70, DS, KS. Soil samples from edge of temporary ground pool; sterile.
602. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Large rockhole in domestic area; water stagnant, volume about 6 l; a little vegetation; bottom with mud, leaves; partial shade. *Ae. (Och.) atactavittatus*, *Cx. (Cux.) corniger*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) nigripalpus*.
603. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Rockhole in domestic area; water volume about 1 l; no vegetation; bottom with mud, leaves; partial shade. *Cx. (Cux.) coronator* group.
604. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Large ground pool (50 X 30m) in grazing area; water temporary, turbid, stagnant, fresh; abundant to scanty grassy and herbaceous vegetation; bottom with mud; partial shade. *Ae. (Och.) taeniorhynchus*, *Ps. (Gra.) ?confinnis* group, *Ps. (Pso.) ciliata*.
605. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Adults biting-landing in thorn scrub; partial shade. *Ae. (Och.) scapularis*, *Ae. (Och.) taeniorhynchus*, *Ps. (Jan.) ferox*.
606. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Adult resting on surface of water in rockhole in thorn scrub; 1600hrs; deep shade. *Tx. (Lyn.) moctezuma*.
607. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Adults biting-landing (while making collection 606) in thorn scrub. *Ae. (Och.) atactavittatus*, *Ae. (Och.) bimaculatus*, *Ae. (Och.) scapularis*, *Ae. (Och.) serratus* group, *Ps. (Jan.) cyanescens*.
608. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Large rockhole in thorn scrub; water clear, stagnant, fresh, volume about 10-15 l; bottom with plant matter; partial shade. *Ae. (Och.) atactavittatus*, *Cx. (Cux.) nigripalpus*.
609. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Large rockhole in thorn scrub; water clear, stagnant, fresh, volume about 12 l; abundant grassy vegetation growing in hole; bottom with mud, leaves; partial shade. *Ae. (Och.) atactavittatus*, *Cx. (Mel.) pilosus*, *Ps. (Jan.) cyanescens*.
610. Campeche, about 5km S of Campeche, E edge of Lerma, 5m; 5 Aug 70, DS. Large rockhole in thorn scrub; water clear, stagnant, fresh; clogged with dead leaves and sticks; partial shade. *Ae. (Och.) atactavittatus* (holotype).
611. Campeche, about 5km S of Campeche, S edge of Lerma, near sea level; 5 Aug 70, DS. Rockhole (0.5m wide) 1m from sea in domestic area; water clear, stagnant, fresh or brackish, foul, volume about 3 l; bottom with mud, plant matter; full sun. *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.) nigripalpus*.
612. Campeche, about 5km S of Campeche, S edge of Lerma, near sea level; 5 Aug 70, DS. Rockhole (1 X 0.5m) 1m from sea in domestic area; water clear, stagnant, ?brackish, volume about 7-10 l; bottom with leaves; full sun. *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.) nigripalpus*.
613. Campeche, about 5km S of Campeche, S edge of Lerma, near sea level; 5 Aug 70, DS. Rockhole 3m from sea in domestic area; water clear, stagnant, fresh or brackish, volume about 15-20 l; bottom with plant matter; full sun. *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.) nigripalpus*.
614. Campeche, about 5km S of Campeche, S edge of Lerma, near sea level; 5 Aug 70, DS. Rockhole (1.5 X 1m) 4m from sea in domestic area; water clear, stagnant, fresh or brackish, volume about 25 l; bottom with mud, sand, plant matter; full sun. *Cx. (Cux.) coronator* group, *Cx. (Cux.) nigripalpus*.
615. Campeche, about 5km S of Campeche, S edge of Lerma, near sea level; 5 Aug 70, DS. Rockhole 4m from sea in domestic area; water volume about 250ml; a little vegetation; bottom with leaves; full sun. *Cx. (Cux.) nigripalpus*.
616. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70,

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- DS. Volcanic rockhole (small hole in wall) in partially cleared area; water clear; no vegetation; bottom with mud, plant matter; partial shade. *Ae. (Azt.) ramirezi*.
617. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, KS. Large ground pool in partially cleared area; water temporary, turbid; abundant grassy vegetation; bottom with mud. *Cx. (Cux.) coronator* group.
618. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS. Margin of stream pool in partially cleared area; water permanent, turbid, with very slow current; no vegetation; bottom with mud, rock; partial-full sun. *Dx.* sp undetermined.
619. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS. Small treehole (in guava) in partially cleared area; 1m above ground; water clear, light amber, volume about 50ml; bottom with plant matter; deep-partial shade. *Ae. (Pro.) gabriel*, *Ae. (Pro.) idanus*, *Ae. (Pro.) kompi*, *Or.* sp undetermined.
620. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS. Small treehole (in same guava as 619) in partially cleared area; 2m above ground; water clear, light amber, volume about 50ml; bottom with plant matter; deep-partial shade. *Ae. (Pro.) gabriel*, *Ae. (Pro.) idanus*, *Ae. (Pro.) kompi*.
621. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Small streamside volcanic rockhole in partially cleared area; water clear, volume about 50ml; bottom with plant matter; partial shade. *Ae. (Azt.) ramirezi*, *Ae. (Pro.) gabriel*.
622. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS. Small streamside volcanic rockhole in partially cleared area; water clear, very light amber, stagnant; bottom with plant matter; deep shade. *Ae. (Pro.) gabriel*, *Ae. (Pro.) idanus*.
623. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS. Streamside volcanic rockhole in partially cleared area; water clear, stagnant; bottom with mud, sand, leaves; partial shade. *Ae. (Azt.) ramirezi*, *Ae. (Och.) epactius*.
624. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Small treehole in partially cleared area; 2m above ground; water clear, light amber; bottom with plant matter; partial shade. *Ae. (Pro.) kompi*.
625. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Adults biting near stream (while making collections 619-629) in partially cleared area; 1330-1600hrs. *Ae. (Azt.) ramirezi*, *Ae. (Pro.) idanus*, *Ps. (Jan.) ferox*.
626. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Small volcanic rockhole in partially cleared area; water clear; bottom with plant matter; partial-full sun. *Ae. (Azt.) ramirezi*, *Ae. (Och.) epactius*.
627. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Adult resting on water in rockhole (same as 626) in partially cleared area; full sun. *Ae. (Azt.) ramirezi*.
628. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Small volcanic rockhole in partially cleared area; water clear, very light yellow, stagnant, volume about 500ml; a little algae; bottom with many rotting leaves; deep-partial shade. *Ae. (Azt.) ramirezi*, *Ae. (Pro.) gabriel*, *Ae. (Pro.) idanus*.
629. Morelos, "Santa Catarina," 8.2km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Streamside volcanic rockhole in partially cleared area; water clear, stagnant, volume about 1 l; a little algae; bottom with mud, plant matter; partial shade. *Ae. (Och.) epactius*.
630. Morelos, "Santa Catarina," 8.0km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Streamside rockhole in cultivated area; water clear, stagnant; no vegetation; bottom with mud, sand, plant matter; full sun. *Ae. (Och.) epactius*.
631. Morelos, W edge of "Santa Catarina," 7.7km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Rockhole in domestic area; water clear, stagnant, volume about 1.5 l; no vegetation; bottom with mud; partial-full sun. *Ae. (Och.) epactius*.
632. Morelos, W edge of "Santa Catarina," 7.7km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Large artificial container (oil drum) in domestic area; water clear; bottom with mud, plant matter; full sun. *Ae. (Och.) epactius*, *Cx. (Cux.) coronator* group.

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633. Morelos, W edge of "Santa Catarina," 7.7km W of Tepoztlan on road to Cuernavaca, 1600m; 11 Aug 70, DS, KS. Artificial container (bucket) in domestic area; partial shade. *Ae. (Och.) epactius*.
- 634-639. Not used.
640. Sonora, about 40km W of Ciudad Obregon, near Potam, 5m; 4 Jun 71, LN, TZ. Large ground pool along road; water temporary, clear, stagnant, fresh; abundant herbaceous vegetation; bottom with mud; partial shade. *Ae. (Adm.) vexans*, *Ps. (Gra.) confinnis* group.
641. Sonora, about 10km W of Ciudad Obregon, near Bacum, 20m; 4 Jun 71, LN, TZ. Small tree-hole in cottonwood; 1.5m above ground; water permanent, turbid, colored. *Co. appendiculata*.
642. Sonora, about 10km W of Ciudad Obregon, near Bacum, 20m; 4 Jun 71, LN, TZ. Large tree-hole in cottonwood; 1.3m above ground; water permanent, colored. *Or. kummi*.
643. Sonora, 11.8km SE of Alamos, Arroyo Chuchujaqui (12RYE0981), 290m; 5 Jun 71, LN, TZ. Small treehole in ?*Ficus* (dry hole filled, water removed 45min later). *Ae. (Kom.) purpureipes*, *Hg. (Hag.) mesodentatus*.
644. Sonora, 12.3km W of Alamos (12RXE9395), 450m; 5 Jun 71, LN, TZ. Large treehole (dry hole filled evening 4 Jun, water removed noon 5 Jun); 1.8m above ground. *Ae. (Kom.) purpureipes*.
645. Sonora, 12.3km W of Alamos (12RXE9395), 450m; 5 Jun 71, LN, TZ. Small treehole (dry hole filled evening 4 Jun, water removed noon 5 Jun); 0.3m above ground. *Ae. (Kom.) purpureipes*, *Ae. (Pro.) podographicus*.
646. Sonora, 12.3km W of Alamos (12RXE9395), 450m; 5 Jun 71, LN, TZ. Large treehole in *Erythrina* (dry hole filled evening 4 Jun, water removed noon 5 Jun); 2m above ground. *Ae. (Kom.) purpureipes*, *Ae. (Pro.) podographicus*.
647. Sonora, 11.8km SE of Alamos, Arroyo Chuchujaqui (12RYE0981), 290m; 5 Jun 71, LN, TZ. Stream pool; water semipermanent, turbid, stagnant, fresh; abundant algae; bottom with mud; full sun. *Cx. (Cux.) tarsalis*, *Cx. (Cux.)* sp undetermined.
648. Sonora, 11.8km SE of Alamos, Arroyo Chuchujaqui (12RYE0981), 290m; 5 Jun 71, LN, TZ. Small treehole (debris sample flooded 14 Jun, larvae seen 15 Jun); 2m above ground. *Ae. (Kom.) purpureipes*, *Ae. (Pro.) podographicus*.
649. Sinaloa, Culiacan, Rio Culiacan 2.6km W of Fed. Rt. 15 (13RBT5445), 30m; 6 Jun 71, LN, TZ. Small treehole in cottonwood; 1m above ground; water permanent. *Or. kummi*.
650. Sinaloa, Fed. Rt. 15, 0.5km NW of road to La Cruz (13RCS1761), 90m; 6 Jun 71, LN, TZ. Several treeholes (debris samples flooded 14 Jun, larvae seen 15 Jun). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*.
651. Sinaloa, Concordia, Fed. Rt. 40, 43.5km NE of Fed. Rt. 15, 450m; 6 Jun 71, LN, TZ. Tree-hole (debris sample flooded 14 Jun); 0.6m above ground; sterile.
652. Sinaloa, Concordia, Fed. Rt. 40, 43.5km NE of Fed. Rt. 15, 450m; 6 Jun 71, LN, TZ. Tree-hole (debris sample flooded 14 Jun, larvae seen 15 Jun); 1.8m above ground. *Ae. (Pro.) podographicus*.
653. Sinaloa, Concordia, Fed. Rt. 40, 34.9km NE of Fed. Rt. 15, "Piedra Blanca," 220m; 6 Jun 71, LN, TZ. Several treeholes (debris samples flooded 14 Jun, larvae seen 17 Jun). *Ae. (Pro.) podographicus*.
654. Sinaloa, Culiacan, 19.4km NW of Pericos (13RBT1488?), 150m; 6 Jun 71, LN, TZ. Terrestrial bromeliad (debris sample flooded 15 Jun, flooded second time); 6m above ground; sterile.
655. Sinaloa, Escuinapa, 33.3km NW of Sinaloa-Nayarit border, Fed. Rt. 15, 10.9km NW of "Palmillas," 40m; 7 Jun 71, LN, TZ. Several small treeholes (debris samples flooded 15 Jun, larvae seen 16 Jun). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*.
656. Sinaloa, Escuinapa, 33.3km NW of Sinaloa-Nayarit border, Fed. Rt. 15, 10.9km NW of "Palmillas," 40m; 7 Jun 71, LN, TZ. Adults biting-landing on man among trees along edge of dry creek bed; 0930-1000hrs. *Ae. (Och.) taeniorhynchus*.
657. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Large treehole (debris sample flooded 14 Jun, larvae seen 15 Jun). *Ae. (Pro.) podographicus*.
658. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Large treehole (debris sample flooded 15 Jun, larvae seen 16 Jun). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*.

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659. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Several small treeholes (debris samples flooded 15 Jun, larvae seen 16 Jun). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*.
660. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Small treehole (debris sample flooded 15 Jun, larvae seen 16 Jun). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*.
661. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Two small treeholes (dry holes flooded, water removed 1 hour later). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*.
662. Nayarit, Tepic, near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m; 7 Jun 71, LN, TZ. Small treehole (dry hole flooded, water removed 1 hour later). *Ae. (Pro.) podographicus*, *Hg. (Hag.) equinus*, *Hg. (Hag.) mesodentatus*.
663. Nayarit, about 40km SE of Tepic, Fed. Rt. 15 at road to "La Laguna," 17.5km NW of Chapalilla, 1100m; 7 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 15 Jun, flooded second time); sterile.
664. Nayarit, about 40km SE of Tepic, Fed. Rt. 15 at road to "La Laguna," 17.5km NW of Chapalilla, 1100m; 7 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 14 Jun, larvae seen 25 Jun). *Ae. (Pro.) idanus*.
665. Nayarit, about 40km SE of Tepic, Fed. Rt. 15 at road to "La Laguna," 17.5km NW of Chapalilla, 1100m; 7 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 15 Jun, larvae seen 25 Jun). *Ae. (Pro.) idanus*.
666. Nayarit, about 40km SE of Tepic, Fed. Rt. 15 at road to "La Laguna," 17.5km NW of Chapalilla, 1100m; 7 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 14 Jun, flooded second time); sterile.
667. Jalisco, Guadalajara, Fed. Rt. 15, 21.8km NW of "Hotel Tropicana" on W edge of Guadalajara, 1500m; 7 Jun 71, LN, TZ. Small treehole in oak (debris sample flooded 15 Jun, larvae seen 16 Jun). *Ae. (Pro.) burgeri*.
668. Jalisco, State Rt. 80, 1.4km E of Cocula, 1300m; 8 Jun 71, LN, TZ. Small treehole (debris sample flooded 15 Jun, flooded second time); 1.5m above ground; sterile.
669. Jalisco, about 10km SW of Cocula, 2.4km SW of Quililla on State Rt. 80, "El Mirador," 1700 m; 8 Jun 71, LN, TZ. Small treehole in oak; 1m above ground; water semipermanent, brown. *Ae. (Pro.) burgeri*, *Ae. (Pro.) niveoscutum* (holotype).
670. Jalisco, about 10km SW of Cocula, 2.4km SW of Quililla on State Rt. 80, "El Mirador," 1700 m; 8 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 15 Jun, larvae seen 17 Jun); at ground level. *Ae. (Pro.) burgeri*, *Ae. (Pro.) niveoscutum*.
671. Jalisco, about 10km SW of Cocula, 2.4km SW of Quililla on State Rt. 80, "El Mirador," 1700 m; 8 Jun 71, LN, TZ. Large treehole in oak; 0.3m above ground; water temporary, brown. *Ae. (Pro.) burgeri*, *Ae. (Pro.) niveoscutum*, *Cx. (And.) restrictor*.
672. Jalisco, about 10km SW of Cocula, 2.4km SW of Quililla on State Rt. 80, "El Mirador," 1700 m; 8 Jun 71, LN, TZ. Several epiphytic bromeliads; 1-4m above ground. *Ae. (How.) guerrero* complex sp 1, *Ae. (How.) guerrero* complex sp 2.
673. Jalisco, about 10km W of Poncitlan, 12.8km E of Atequiza on State Rt. 35, 1500m; 8 Jun 71, LN, TZ. Two treeholes. *Ae. (Pro.) gabriel*.
674. Jalisco, about 10km W of Poncitlan, 12.8km E of Atequiza on State Rt. 35, 1500m; 8 Jun 71, LN, TZ. Large treehole; 0.5m above ground; water temporary. *Ae. (Pro.) gabriel*.
675. Jalisco, about 10km SW of Cocula, 2.4km SW of Quililla on State Rt. 80, "El Mirador," 1700 m; 8 Jun 71, LN, TZ. Large treehole in oak (dry hole flooded, water removed 3 hours later); 1.2m above ground. *Ae. (Pro.) burgeri*, *Ae. (Pro.) niveoscutum*.
676. Jalisco, about 10km W of Poncitlan, 12.8km E of Atequiza on State Rt. 35, 1500m; 8 Jun 71, LN, TZ. Small treehole; 1m above ground. *Ae. (Pro.) gabriel*.
677. Jalisco, Las Animas, km 71-72 on Fed. Rt. 41, 4.8km SW of Jalisco-Zacatecas border, 1600m; 9 Jun 71, LN, TZ. Several treeholes (debris samples flooded 14 Jun, larvae seen 22 Jun). *Ae. (Pro.) ?gabriel*.

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678. Jalisco, Las Animas, km 71-72 on Fed. Rt. 41, 4.8km SW of Jalisco-Zacatecas border, 1600m; 9 Jun 71, LN, TZ. Treeholes (2 dry holes flooded, water removed immediately). *Ae. (Azt.) ramirezi*, *Ae. (Pro.) ?gabriel*.
679. Zacatecas, near km 143 on Fed. Rt. 41, 16.2km SW of Jalpa, near "El Aguacati," 1300m; 9 Jun 71, LN, TZ. Several treeholes (debris samples flooded 14 Jun, larvae seen 22 Jun). *Ae. (Pro.) ?gabriel*.
680. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded 14 Jun: no larvae; second flooding yielded larvae). *Ae. (Och.) muelleri*.
681. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded twice); sterile.
682. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded 15 Jun, larvae seen 16 Jun). *Ae. (Och.) muelleri*.
683. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Large treehole in willow; 2m above ground; water temporary, brown. *Ae. (Och.) muelleri*.
684. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Adults biting-landing on man in shade of willow trees near stream; 1500hrs. *Ae. (Och.) trivittatus*.
685. Zacatecas, about 40km S of Rio Grande, km 19 on Fed. Rt. 49, 1.6km N of Rancho Grande, 18.2km N of Fed. Rt. 45, 1900m; 10 Jun 71, LN, TZ. Large treehole in willow; 1.5m above ground; water permanent. *Ae. (Och.) muelleri*, *An. (Ano.) judithae*, *Or. kummi*.
686. Zacatecas, about 40km S of Rio Grande, km 19 on Fed. Rt. 49, 1.6km N of Rancho Grande, 18.2km N of Fed. Rt. 45, 1900m; 10 Jun 71, LN, TZ. Large treehole in willow; 1.5m above ground; water permanent. *An. (Ano.) judithae*, *Or. kummi*.
687. Zacatecas, about 40km S of Rio Grande, km 19 on Fed. Rt. 49, 1.6km N of Rancho Grande, 18.2km N of Fed. Rt. 45, 1900m; 10 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded 14 Jun, larvae seen 15 Jun). *Ae. (Och.) muelleri*.
688. Zacatecas, about 40km S of Rio Grande, km 19 on Fed. Rt. 49, 1.6km N of Rancho Grande, 18.2km N of Fed. Rt. 45, 1900m; 10 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded twice); sterile.
689. Zacatecas, about 15km W of Sombrerete, km 98 on Fed. Rt. 45 at road to "San Martin," 17 km E of Durango-Zacatecas border, 2300m; 10 Jun 71, LN, TZ. Small treehole in oak (debris sample flooded twice); sterile.
690. Zacatecas, about 15km W of Sombrerete, km 101 on Fed. Rt. 45 at road to "Providencia," 13.9km E of Durango-Zacatecas border, 2300m; 10 Jun 71, LN, TZ. Treeholes (debris samples from 2 holes flooded 14 Jun, larva seen 28 Jun but lost, flooded second time). *Ae. (Och.) muelleri*.
691. Zacatecas, about 15km W of Sombrerete, km 101 on Fed. Rt. 45 at road to "Providencia," 13.9km E of Durango-Zacatecas border, 2300m; 10 Jun 71, LN, TZ. Small treehole in oak; 0.2m above ground; water temporary. *Ae. (Och.) muelleri*.
692. Durango, about 7km W of Vicente Guerrero, near km 136 on Fed. Rt. 45, Graceros, 1900m; 10 Jun 71, LN, TZ. Large treehole in willow (debris sample flooded twice); sterile.
693. Durango, about 7km W of Vicente Guerrero, near km 136 on Fed. Rt. 45, Graceros, 1900m; 10 Jun 71, LN, TZ. Small treehole in willow; 1.7m above ground; water permanent. *Or. kummi*.
694. Durango, Durango, km 196 on Fed. Rt. 45, 14.7km E of Fed. Rt. 40, 1900m; 10 Jun 71, LN, TZ. Small treehole in willow; 1.3m above ground; water permanent. *Ae. (Och.) muelleri*, *Or. kummi*.
695. Durango, Durango, park along river in W part of town, 1900m; 11 Jun 71, LN, TZ. Small treehole in cottonwood; 2.8m above ground; water permanent, turbid. *Or. kummi*.
696. Durango, about 50km W of Durango, km 52-53 on Fed. Rt. 40, 5.8km E of railroad crossing in Navios, 2450m; 11 Jun 71, LN, TZ. Treehole in oak (debris sample flooded 15 Jun, larvae seen 16 Jun). *Ae. (Och.) muelleri*.

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697. Durango, about 60km W of Durango, km 63-64 on Fed. Rt. 40, 5.9km W of railroad crossing in Navios, 2500m; 11 Jun 71, LN, TZ. Treehole in oak (debris sample flooded twice). *Ae. (Och.) muel-leri*.
698. Durango, perhaps 40km W of El Salto, km 152 on Fed. Rt. 40, 4.8km E of "La Emerta," 2600m; 11 Jun 71, LN, TZ. Small treehole in oak; 1.6m above ground; water temporary, brown. *Ae. (Pro.) schicki* (holotype).
699. Durango, perhaps 40km W of El Salto, km 152 on Fed. Rt. 40, 4.8km E of "La Emerta," 2600m; 11 Jun 71, LN, TZ. Small treehole in oak; 1.6m above ground; water temporary. No specimens.
700. Sinaloa, km 215-216 on Fed. Rt. 40, 5.8km E of "Potrerillos," 1700m; 11 Jun 71, LN, TZ. Large treehole in oak (debris sample flooded 14 Jun, larvae seen 17 Jun); 0.3m above ground. *Ae. (Pro.) burgeri*.
701. Sinaloa, Concordia, km 279-280 on Fed. Rt. 40, 14.2km NE of Fed. Rt. 15, 150m; 11 Jun 71, LN, TZ. Several treeholes (debris samples flooded 15 Jun: no larvae; second flooding yielded larvae). *Ae. (Pro.) podographicus*.
702. Zacatecas, about 20km N of Villanueva, km 277-278 on Fed. Rt. 41, 11.4km SW of road to Jerez de Garcia Salinas, near "Felipe Angeles," 2000m; 9 Jun 71, LN, TZ. Large treehole in willow. *Or. kummi*.
703. Sonora, Nogales, Fed. Rt. 15, 14.1km S of U.S.A. border (12RWK0253), 1230m; 13 Jun 71, LN, TZ. Several treeholes (debris samples flooded 15 Jun, larvae seen 17 Jun). *Ae. (Och.) monticola*.
- 704-709. Not used.
710. Chiapas, about 3km SE of San Cristobal de las Casas, "Hotel Molino de Alvarez," 2100m; 14 Feb 72, DS. Margin of marshy portion of stream in grazing area; water permanent, clear, with very slow current; abundant grassy, herbaceous vegetation; bottom with mud, plant debris; full sun. *Dx.* sp undetermined.
711. Chiapas, about 3km SE of San Cristobal de las Casas, "Hotel Molino de Alvarez," 2100m; 14 Feb 72, DS. Animal tracks in marshy area of pasture; water clear, stagnant; abundant grass, a little algae; bottom with mud, plant debris, feces; full sun. *An. (Ano.) hectoris*, *Cx. (Cux.)* sp undetermined, *Dx.* sp undetermined.
712. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 14 Feb 72, DS, KS. Small ground pool fed by spring at edge of river; water permanent, clear, stagnant; a little grassy vegetation; bottom with mud, plant debris; partial shade. *An. (Nys.) argyritarsis*, *Cx. (Cux.) coronator* group, *Cx. (Mel.) trifidus*.
713. Oaxaca, Matias Romero, 4km E of Almoloya, "Rincon Vaquero," 200m; 14 Feb 72, DS, KS. Stream margin; water permanent, clear, with slow to moderate current; abundant grassy vegetation; bottom with mud, sand, fine plant debris; partial shade. *Dx.* sp undetermined.
714. Oaxaca, 1.3km E of Rio Tehuantepec on Fed. Rt. 190, E edge of Tehuantepec, 30m; 15 Feb 72, DS. Debris sample from large treehole in mango; sterile.
715. Oaxaca, 1.3km E of Rio Tehuantepec on Fed. Rt. 190, E edge of Tehuantepec, 30m; 15 Feb 72, DS. Debris sample from large treehole in mango; sterile.
716. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 27 Aug 72, JB. Large ground pool at swamp margin; full sun. *Ae. (Och.) taeniorhynchus*.
717. Jalisco, Puerto Vallarta, old road to Pitallal del Sur, 15m; 28 Aug 72, JB. Adults biting-landing in mango grove; 1700hrs. *Ae. (Och.) taeniorhynchus*, *Ps. (Jan.) ferox*.
718. Jalisco, Puerto Vallarta, old road to Pitallal del Sur, 15m; 28 Aug 72, JB. Small ground pool in mango grove; deep shade. *Cx. (Cux.) declarator* group, *Cx. (Cux.) ?nigripalpus*, *Cx. (Mel.) conspirator*.
719. Jalisco, El Tuito, 19km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 610m; 29 Aug 72, JB. Small epiphytic bromeliads (of 2 types: attenuate leafed and short broad leafed) in oak-pine woodland used for grazing; partial shade. *Co.* sp 10, *Cx. (Mca.) jalisco*, *Cx. (Mcx.)* sp 77, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.) pertinans* group sp Y.
720. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 29 Aug 72, JB. Adults biting-landing near stream in grazing area; 1600hrs; deep-partial shade. *Hg. (Hag.) mesodentatus*, *Sa. (Sbo.) chloropterus*, *Wy. (Wyo.)* ?sp near *celaenocephala*, *Wy. (Wyo.) pertinans* group ?sp Y.

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721. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 29 Aug 72, JB. Epiphytic and saxicolous bromeliads (2 spp of large tank types); 0-6m above ground. *Co.* sp 10, *Cx. (Mca.) jalisco*, *Cx. (Mcx.)* sp 77, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.) pertinans* group sp Y, *Wy. (Wyo.)* sp 41.
722. Jalisco, El Tuito, 19km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 610m; 30 Aug 72, JB. Large treehole at edge of stream; water volume about 8 l; 4m above ground. *Ae. (Pro.) ?idanus*, *Ae. (Pro.) podographicus*, *Cx. (And.) restrictor*, *Or. kummi*, *Tx. (Lyn.) moctezuma*.
723. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 30 Aug 72, JB. Saxicolous bromeliads (large tank types on top of large boulder); 5m above ground. *Co.* sp 10, *Cx. (Mca.) jalisco* (holotype), *Cx. (Mcx.)* sp 77, *Wy. (Wyo.)* sp near *celaenocephala*.
724. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 30 Aug 72, JB. Saxicolous bromeliad (large plant with vasselike bulbous enlargements of base of leaves having tiny openings to water, on top of large boulder); 5m above ground. *Co.* sp 10, *Cx. (Mca.) jalisco*, *Cx. (Mcx.)* sp 77, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.) pertinans* group ?sp Y, *Wy. (Wyo.)* sp 41.
725. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 30 Aug 72, JB. Adult biting man below knees on sandy patch at stream level. *Sa. (Sbo.) chloropterus*.
726. Jalisco, Puerto Vallarta, old road to Pitallal del Sur, 15m; 31 Aug 72, JB. Adults taken biting-landing, resting and sweeping in mango grove. *Ae. (Och.) angustivittatus*, *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.) coronator* group, *Cx. (Cux.) inflictus* group, *Cx. (Cux.) nigripalpus*, *Cx. (Mel.) conspirator*, *Cx. (Mel.) erraticus*, *Cx. (Mel.) iolambdis*, *Cx. (Mel.) pilosus*, *Cx. (Mel.)* spp undetermined, *Ps. (Jan.) ferox*.
727. Jalisco, Puerto Vallarta, old road to Pitallal del Sur, 15m; 31 Aug 72, JB. Adults biting-landing in mango grove. *Ae. (Och.) angustivittatus*, *Ps. (Jan.) ferox*.
728. Jalisco, Puerto Vallarta, old road to Pitallal del Sur, 15m; 31 Aug 72, JB. Animal tracks in mango grove. *Cx. (Cux.)* sp undetermined.
729. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 31 Aug 72, JB. Small shallow crabhole in open sun. *Cx. (Cux.) inflictus* group, *De. pseudes* group.
- 729A. Jalisco, Puerto Vallarta, "Posada Vallarta," near sea level; 31 Aug 72, JB. Adult in hotel room. *Ae. (Och.) taeniorhynchus*.
730. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Small shallow crabhole with large opening under small tree; deep shade. *De. pseudes* group.
731. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Deep crabhole with large opening under small tree (same as 730); deep shade. *Cx. (Cux.) inflictus* group, *De. pseudes* group.
732. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Small shallow crabhole with large opening; full sun. *De. pseudes* group.
733. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Small shallow crabhole with small opening; full sun. *Cx. (Cux.) inflictus* group, *De. pseudes* group.
734. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Deep crabhole with moderate opening at base of tree; deep shade. *Cx. (Cux.) inflictus* group, *De. pseudes* group.
735. Jalisco, Puerto Vallarta, "Posada Vallarta, Pemex Road," near sea level; 1 Sept 72, JB. Small moderately shallow crabhole with wide opening; full sun. *De. pseudes* group.
736. Jalisco, Puerto Vallarta, "Posada Vallarta," river bank on main road to Puerto Vallarta, near sea level; 1 Sept 72, JB. Small crabhole with small opening but very deep, under tree; deep shade. *De. pseudes* group.
737. Jalisco, El Tuito, 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m; 1 Sept 72, JB. Adults biting-landing along stream and near boulders; windy. *Sa. (Sbo.) chloropterus*.
- 738-739. Not used.
740. Distrito Federal, Xochimilco, 2300m; 24-26 Apr 73. *Cx. (Cux.) tarsalis*, *Cx. (Cux.)* spp undetermined, *Cs. (Cus.) dugesi*, *Cs. (Cus.) inornata* group.
741. Distrito Federal, Xochimilco, 2300m; 24-26 Apr 73. *Cs. (Cus.) inornata* group.
742. Locality not known; 30, 31 Apr, 1 May 73. *An. (Ano.) quadrimaculatus*, *An. (Nys.) albimanus*, *Cx. (Cux.) coronator* group.

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743. Distrito Federal, Xochimilco, 2300m; 4-8 May 73. *An. (Ano.)* sp undetermined, *Cx. (Cux.) tarsalis*, *Cx. (Cux.)* spp undetermined, *Cs. (Cus.) dugesi*, *Cs. (Cus.) inornata* group.
744. Distrito Federal, Xochimilco, 2300m; 4-8 May 73. *Ae. Och. (Och.) trivittatus*.
745. Locality not known; 1973. *An. (Ano.) quadrimaculatus*, *Cx. (Cux.) coronator* group, *Cx. (Mel.) panocossa*.
- 746-749. Not used.
750. Jalisco, Chapala, "Haciendas Hotel," 1500m; 7 Aug 73, MB. Fountain (1m wide) in domestic area; water permanent, clear, stagnant; no vegetation; bottom with plant matter; partial shade. *Ae. (Och.) epactius*.
751. Jalisco, Chapala, "Haciendas Hotel," 1500m; 7 Aug 73, MB. Adult in domestic area. *Cx. (Cux.)* sp undetermined.
752. Nayarit, San Blas, near "Casa Morales Hotel," near sea level; 9 Aug 73, MB. Adults taken sweeping vegetation. No specimens.
753. Sinaloa, Mazatlan, "Sabalo Beach Trailer Park," near sea level; 12 Aug 73, MB. Adults biting-landing and on walls in domestic area. *Ae. (Och.) taeniorhynchus*, *Cx. (Cux.)* spp undetermined, *Cx. (Mel.) erraticus*, *Cx. (Mel.)* sp undetermined, *Ps. (Pso.) howardii*.
754. Locality not known; 8 Mar 73. *Cx. (Cux.)* sp undetermined.
755. Locality not known; 1973. *Cs. (Cus.) inornata* group.
- 756-899. Not used.
900. Jalisco, 17.5km S of Puerto Vallarta; 27 Mar 75, HC. Large ground pool at edge of stream; water semipermanent, clear, stagnant, fresh; a little algae; bottom with sand; partial shade. *Cx. (Mel.)* sp undetermined.
901. Jalisco, 17.5km S of Puerto Vallarta; 31 Mar 75, HC. Large ground pool at edge of stream; water semipermanent, clear, stagnant, fresh; a little algae; bottom with sand; partial shade. *Cx. (Cux.)* sp undetermined.
902. State not given, "Alamos"; 3 Apr 75, HC. Two small ground pools near stream along road; water semipermanent, turbid, stagnant or with slow current, fresh, slimy; a little algae; bottom with gravel; full sun. *An. (Ano.) pseudopunctipennis*, *Cx. (Cux.) coronator* group.

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BAJA CALIFORNIA

Angel de la Guarda Island.—375.

"*Cantu Springs*," about 50km SW of Mexicali (11SPF1077), 200m.—492, 493, 494.

"*Guadalupe Hot Springs*," about 60km SW of Mexicali (11SPF1559), 300m.—495, 496, 497.

BAJA CALIFORNIA SUR

La Paz, vicinity of. About 6km W of "radio station XEHZ," near sea level.—485.

Puerto Magdalena, vicinity of. "Canal Hull," near sea level.—387. "Mangrove Id.," near sea level.—388.

San Jose del Cabo, vicinity of. "Estero Saltea," near sea level.—389, 390, 391, 392, 393.

CAMPECHE

Bolonchenticul, vicinity of. 9.4km S of Campeche-Yucatan border on Fed. Rt. 180, 50m.—597.

Champoton, 10km SW of, on Fed. Rt. 180, near sea level.—438.

Hopelchen, vicinity of. 2.2km SW of Hopelchen on Fed. Rt. 180, 50m.—598. 13.9km E of turnoff to Edzna on Fed. Rt. 180, 50m.—599, 600, 601.

Lerma, vicinity of. E edge of Lerma, 5m.—589, 590, 591, 592, 593, 594, 595, 602, 603, 604, 605, 606, 607, 608, 609, 610. S edge of Lerma, near sea level.—611, 612, 613, 614, 615. About 6km S of Lerma on Fed. Rt. 180, 10m.—582, 583. 14.2km S of Lerma on Fed. Rt. 180, near sea level.—584. 15.4km S of Lerma on Fed. Rt. 180, near sea level.—585, 586, 587, 588, 596.

MEX Locality Index**CHIAPAS**

Palenque, vicinity of. First 500m along trail from Palenque Ruins to "El Naranjo," 200m.—580, 581.

San Cristobal de las Casas, vicinity of. W edge of San Cristobal, 2100m.—130, 131. About 3km SE of San Cristobal, "Hotel Molino de Alvarez," 2100m.—710, 711.

Sumidero, about 25km N of Tuxtla Gutierrez, 1000m.—115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129.

Teopisca, about 10km NW of, 2000m.—132.

CHIHUAHUA

Ciudad Juarez (13RCF6012?), 1125m.—178.

COAHUILA

El Carmen, 4km W of, on Fed. Rt. 40, and 62km W of La Rosa (14RKD0540), 1170m.—183, 184.

"*Los Nombres Dulces*," 6km W of, on Fed. Rt. 40, and 42km W of La Rosa (14RKD3040?), 1150 m.—185, 186.

DISTRITO FEDERAL

Mexico City. Chapultepec Park, 2200m.—13, 305, 306, 307, 308, 309, 310. "Shirley Court's office," 2200m.—297.

Tetepan, about 1.5km N of, on road to Huipulco, 2300m.—298.

Xochimilco. Floating Gardens, 2300m.—299, 300, 301, 303. Not specified.—302, 740, 741, 743, 744.

DURANGO

Durango, in and in vicinity of. Park along river in W part of town, 1900m.—695. Km 196 on Fed. Rt. 45, 14.7km E of Fed. Rt. 40, 1900m.—694.

Gomez Palacio, about 5km N of, 1100m.—179, 180, 181, 182.

Graceros, near km 136 on Fed. Rt. 45, about 7km W of Vicente Guerrero, 1900m.—692, 693.

"*La Emerta*," 4.8km E of, on Fed. Rt. 40, perhaps 40km W of El Salto, 2600m.—698, 699.

Navios, vicinity of. 5.8km E of Navios on Fed. Rt. 40, km 52-53, 2450m.—696. 5.9km W of Navios on Fed. Rt. 40, km 63-64, 2500m.—697. About 10km E of Navios, km 1013 on Fed. Rt. 40, 2400 m.—488, 489.

GUANAJUATO

Guanajuato, 1.5-3km W of, 2000m.—366, 367, 368, 410.

GUERRERO

Acapulco, in and in vicinity of. E outskirts of town, 10m.—363, 364. About 55km N of Acapulco on Fed. Rt. 95, 400m.—365.

"*Agua de Obispo*," about 34km S of Chilpancingo on Fed. Rt. 95, ?900m.—411, 412, 413, 424, 425, 426.

Chilpancingo, vicinity of. About 1.6km S of Chilpancingo, 1350m.—138, 139. About 34km S of Chilpancingo, ?1500m.—166.

El Marques, vicinity of. About 1.5km S of Puerto Marquez, near sea level.—142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165. About 3km NW of Puerto Marquez, ?10m.—140, 141.

Omiltemi (about 20km W of Chilpancingo), vicinity of. Near Omiltemi, 2100m.—356, 357, 358, 359, 360. About 3km E of Omiltemi on road to Chilpancingo, 2100m.—361, 361A, 362.

"*Rancho Viejo de Agua de Obispo*," 3miles along road below Agua de Obispo," about 38km S of Chilpancingo, ?700m.—414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 427.

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JALISCO

Atequiza, 12.8km E of, on State Rt. 35, 1500m.—673, 674, 676.

Chapala, vicinity of. "Haciendas Hotel," 1500m.—750, 751.

Cocula, 1.4km E of, on State Rt. 80, 1300m.—668.

El Tuito, vicinity of. 16km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 500m.—720, 721, 723, 724, 725, 737. 19km N of Boca de Tomatlan on Puerto Vallarta-Manzanillo road, 610m.—719, 722.

Guadalajara, vicinity of. 21.8km NW of "Hotel Tropicana" on W edge of Guadalajara, on Fed. Rt. 15, 1500m.—667.

Las Animas, vicinity of. Km 71-72 on Fed. Rt. 41, 4.8km SW of Jalisco-Zacatecas border, 1600m.—677, 678.

Puerto Vallarta, vicinity of. "Posada Vallarta, Pemex Road," near sea level.—716, 729, 729A, 730, 731, 732, 733, 734, 735, 736. Old road from Puerto Vallarta to Pitallal del Sur, 15m.—717, 718, 726, 727, 728. About 0.5km N and NW of airport, near sea level.—457, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484. About 3km N of town, near sea level.—460. About 3km S of town, near sea level.—458, 459. 17.5km S of Puerto Vallarta.—900, 901.

Quililla, 2.4km SW of, on State Rt. 80, about 10km SW of Cocula, "El Mirador," 1700m.—669, 670, 671, 672, 675.

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Tlapitzahuac, 500m NW of, on Fed. Rt. 190, 2300m.—311, 312.

Zitacuaro, 43km E of, on Fed. Rt. 15, about 3km E of turnoff to Valle de Bravo, 2400m.—167, 394.

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Cuernavaca, vicinity of. About 7km N of turnoff to Cuernavaca on Fed. Rt. 95, 1600m.—304.

Tepoztlan, vicinity of. 4.3-13.6km W of Tepoztlan on road to Cuernavaca (including "Gabriel Mariaca"="Santa Catarina"), about 1600m.—135, 136, 137, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633.

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Acaponeta, about 55km S of, 20m.—168, 169, 170, 171, 172, 173, 174, 175.

Chapalilla, about 17.5km NW of, Fed. Rt. 15 at road to "La Laguna," 1100m.—663, 664, 665, 666.

San Blas, vicinity of. "Casa Morales Hotel," near sea level.—752. About 5km E of San Blas, near sea level.—456.

Tepic, vicinity of. Near km 31 on Fed. Rt. 15, 31.5km NW of State Rt. 200 in Tepic, 50-100m.—657, 658, 659, 660, 661, 662.

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Monterrey and vicinity of. W outskirts of town on Fed. Rt. 40 (14RLD6040?), 550m.—1, 2, 3.

Principia de Guadalupe (14RLD7842?), 450m.—187, 188, 189, 190. Colonia La Pastora (14RLD7439), 490m.—191. Fed. Rt. 40 in vicinity of Monterrey, 1000m.—192.

Santa Catarina, 6.5km W of, on Fed. Rt. 40, Arroyo del Salitre (14RLD4543), 850m.—193.

Villa de Santiago, near "Las Palmas Restaurante" (14RLD8512), 490m.—194, 195.

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Almoleya, 4km E of. "Rincon Vaquero," 200m.—339, 340, 341, 342, 712, 713.

"*Camaron*," about 34km SE of.—133.

Ixtlan de Juarez, vicinity of. About 1.5km NE of "El Punto" on State Rt. 175 between Oaxaca and Ixtlan de Juarez, 2300m.—434. "Vivero Rancho Teja," 2100m.—428, 429, 430, 431, 432, 433, 517, 518, 519, 520, 521. State Rt. 175, 32.3km N of Ixtlan de Juarez, ?2800m.—522. State Rt. 175, 73.4 km S of "Valle National," ?2700m.—523.

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Nochixtlan, 1.6km SE of, 2100m.—134.

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Salina Cruz and vicinity. In or in immediate vicinity of town, 10m.—104, 105, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329. Fed. Rt. 185, 7.7km N of Salina Cruz, 20m.—330, 331.

Tehuantepec and vicinity. In or within 3.5km of town, 30m.—315, 316, 317, 318, 319, 332, 333, 334, 714, 715. Just W of "Puentes Tortugas," on Fed. Rt. 190, a few miles W of Tehuantepec, 100m.—435, 436, 437. About 15km S of Tehuantepec, ?10m.—106. About 45km S of Tehuantepec, ?10m.—107.

SAN LUIS POTOSI

Tamazunchale, vicinity of. Across Rio Moctezuma from Tamazunchale, 0.5-1.5km E of "Sakete-pan," 200m.—212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233.

SINALOA

Concordia, vicinity of. Fed. Rt. 40, 14.2km NE of Fed. Rt. 15, km 279-280, 150m.—701. "Piedra Blanca," Fed. Rt. 40, 34.9km NE of Fed. Rt. 15, 220m.—653. Fed. Rt. 40, 43.5km NE of Fed. Rt. 15, 450m.—651, 652.

Copala, vicinity of. Fed. Rt. 40, 57.6km E of Fed. Rt. 15 and 0.8km E of "El Coco" turnoff, 900 m.—501, 502, 503, 504.

Culiacan, vicinity of. Rio Culiacan 2.6km W of Fed. Rt. 15 (13RBT5445), 30m.—649.

Escuinapa, vicinity of. Fed. Rt. 15, 10.9km NW of "Palmillas," 33.3km NW of Sinaloa-Nayarit border, 40m.—655, 656.

La Cruz, vicinity of. Fed. Rt. 15 about 0.5km NW of road to La Cruz (13RCS1761), 90m.—650.

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Pericos, 19.4km NW of, 150m.—654.

"*Potreros*," 5.8km E of, km 215-216 on Fed. Rt. 40, 1700m.—700.

Zavala, 1.6km E of, on Fed. Rt. 40, 23.7km E of Fed. Rt. 15, 100m.—499, 500.

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Nogales, vicinity of. Fed. Rt. 15, 14.1km S of U.S.A. border (12RWK0253), 1230m.—703.

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MF Collection Records

1. Nayarit, 5km SE of San Blas, near sea level; 10 Jul 63, EF. Mangrove swamp margin; water turbid, stagnant; abundant grassy vegetation; bottom with sand; partial shade. *Ae. (Och.) taeniorhynchus*.
2. Nayarit, 6km SE of San Blas, "Playa Matanchen," near sea level; 10 Jul 63, EF. Treehole (rot hole in stump); water brown; bottom with decaying vegetation; partial shade. *Hg. (Hag.) equinus*.
3. Nayarit, 6km SE of San Blas, "Playa Matanchen," near sea level; 10 Jul 63, EF. Adults biting-landing on man; 1400hrs; sunny, calm, humid, warm, partial shade. *Ae. (Och.) taeniorhynchus*, *Hg. (Hag.) equinus*, *Ps. (Jan.) varipes*.
4. Nayarit, 6km SE of San Blas, "Playa Matanchen," near sea level; 10 Jul 63, EF. Crabhole (7 X 10cm) in mangroves; water turbid; bottom with gravel. *De. mcdonaldi*.
5. Nayarit, 6km SE of San Blas, "Playa Matanchen," near sea level; 10 Jul 63, EF. Epiphytic bromeliads (7 in same tree); 2m above ground; partial shade. *Co.* sp 10, *Wy. (Wyo.)* sp near *celaenocephala*, *Wy. (Wyo.)* sp 41.
6. Nayarit, 6km SE of San Blas, "Playa Matanchen," near sea level; 10 Jul 63, EF. Adults resting in large crabholes; 1500hrs; sunny, warm, humid. *De. belkini*, *De. mcdonaldi*.
7. Chiapas, 24km N of Tuxtla Gutierrez, Sumidero, 1000m; 22 Jul 63, EF. Rockhole in partial forest; water turbid, stagnant; no vegetation; bottom with mud; partial shade. No specimens.
8. Chiapas, 24km N of Tuxtla Gutierrez, Sumidero, 1000m; 23 Jul 63, EF. Adults biting, landing and flying in clearing in forest. *Ae. (Och.) epactius*, *Ae. (Pro.) sumidero* (holotype), *Hg. (Hag.) mesodentatus*.
9. Chiapas, 40km NW of Comitán, 2000m; 25 Jul 63, EF. Epiphytic bromeliad in partial pine-oak forest; 3m above ground; partial shade. No specimens.
10. Oaxaca, 42km N of Matias Romero, 100m; 26 Jul 63, EF. Stream margin in tropical evergreen forest; water permanent, turbid, with slow current; much flottage; bottom with mud, decaying vegetation; deep shade. No specimens.
11. Oaxaca, 42km N of Matias Romero, 100m; 26 Jul 63, EF. Small treehole in tropical evergreen forest; 2m above ground; water turbid; deep shade. *Hg. (Hag.) mesodentatus*.
12. Oaxaca, 42km N of Matias Romero, 100m; 26 Jul 63, EF. Marshy depression in grassy area; water temporary, clear, stagnant; abundant grassy vegetation; bottom with mud; full sun. *Cx. (Mel.)* sp undetermined.
13. Oaxaca, 42km N of Matias Romero, 100m; 26 Jul 63, EF. Adults biting, flying and resting along trail in tropical evergreen forest; 1500hrs; clear, hot, humid. *Ae. (Och.) euplocamus*, *Ae. (Och.) serratus* group, *Cx. (Cux.) nigripalpus*, *Ps. (Jan.) ferox*, *Ps. (Pso.) ciliata*, *Tx. (Lyn.) moctezuma*.
14. Campeche, Ciudad del Carmen, 26km E of Frontera, near sea level; 4 Aug 63, EF. Two large crabholes in mangroves; partial shade. *De. pseudes*.
15. Campeche, Ciudad del Carmen, 26km E of Frontera, near sea level; 27 Jul 63, EF. Adults resting in 2 large crabholes; 1700hrs; clear, hot, humid. *De. pseudes*.
16. Campeche, Ciudad del Carmen, 26km E of Frontera, near sea level; 27 Jul 63, EF. Adults biting man in mangroves; 1700hrs; clear, hot, humid. *Ae. (Och.) taeniorhynchus*.

MT Collection Records

1. Colima, Manzanillo, 3km NW of junction of State Rts. 80 and 200, near sea level; 10 Jul 63, ST. Large crabholes near mangroves and coconut grove; bottom with mud; full sun. *De. howardi*, *De. pseudes*.

MT Collection Records

2. Colima, Manzanillo, 3km E of Cuyutlan, near sea level; 12 Jul 63, ST. Marshy depression near lagoon; water temporary, stagnant; grassy vegetation; bottom with mud; full sun. *Ae. (Och.) taeniorhynchus*.
3. Jalisco, Manzanillo, just N of junction of State Rt. 80 and road to Barra de Navidad, near sea level; 13 Jul 63, ST. Small ground pool (posthole) at edge of ditch in cultivated area; water temporary, stagnant; a little grassy vegetation; bottom with mud; full sun. *Cx. (Cux.) coronator* group.
4. Jalisco, Manzanillo, 1.5km W of junction of State Rt. 80 and road to Barra de Navidad, near sea level; 13 Jul 63, ST. Small crabholes in cultivated area; bottom with mud; partial shade. *De. belkini* (holotype), *De. pseudes*.
5. Colima, Manzanillo, 15.8km SE of junction of State Rts. 80 and 200, near sea level; 19 Jul 63, ST. Trap under trees in cultivated area; at ground level; baited with indigo snake; overcast with some rain; at night. *Ae. (Och.) taeniorhynchus*, *Cx. (Mel.)* sp undetermined.
6. Colima, Manzanillo, 27.6km SE of junction of State Rts. 80 and 200, near sea level; 21 Jul 63, ST. Trap in second growth at edge of cultivated field; at ground level; baited with boa snake; intermittent rain; at night. *Ae. (Och.) taeniorhynchus*, *Hg. (Hag.) equinus*.
7. Colima, Manzanillo, 22.4km SE of junction of State Rts. 80 and 200, near sea level; 21 Jul 63, ST. Trap in partial forest; at ground level; baited with boa snake; intermittent rain; at night. *Ae. (Och.) taeniorhynchus*, *Cx. (Mel.)* sp undetermined, *Ps. (Jan.) varipes*.
8. Colima, Manzanillo, 19.2km NW of junction of State Rts. 80 and 200, 10m; 22 Jul 63, ST. Trap in second growth; at ground level; baited with boa snake; rainy; at night. *Cx. (Mel.)* sp undetermined.
9. Colima, Manzanillo, 22.7km NW of junction of State Rts. 80 and 200, 10m; 22 Jul 63, ST. Trap in second growth; at ground level; baited with boa snake; rainy; at night. *Ae. (Och.) taeniorhynchus*, *Hg. (Hag.) equinus*, *Ma. (Man.)* sp undetermined, *Ps. (Jan.) varipes*.
10. U.S.A., Texas, Willacy Co., Brownsville, E end of Laguna Vista, near sea level; 23 Jul 64, ST. Large crabhole near sea; bottom with mud, sand; full sun. *De. mathesoni*, *De. pseudes*.

MX Collection Records

1. Not used.
2. Veracruz, Coatzacoalcos; 4 Jul 28. *An.* sp undetermined.
3. Veracruz, Coatzacoalcos; 6 Jul 28. *An.* sp undetermined.
4. Veracruz, Coatzacoalcos; 5 Nov 28. *Ps. (Gra.) confinnis* group.
5. Distrito Federal, Mexico City. Probably from colony. *An. (Ano.) aztecus*.
6. Not used.
7. State not known, "So. Tierra Colorado"; 3 Jan 47, S. Mulaik. *An. (Ano.) pseudopunctipennis*.
8. Nuevo Leon, 15km N of Monterrey on road to Sabinas Hidalgo, 500m; 25 Dec 47, S. Mulaik. *An. (Ano.) pseudopunctipennis*, *An. (Ano.)* sp undetermined.
9. San Luis Potosi, 9.5km N of Tamazunchale, 200m; 30 Dec 47, S. Mulaik. *Ae. (Och.)* sp undetermined, *Cx. (Cux.) coronator* group, *Cx. (Lut.)* sp undetermined.
10. Nuevo Leon, Monterrey, E of Cadereyta, 300m; 3 Jan 50, S. Mulaik. *Cx. (Cux.) coronator* group, *Cx. (Cux.)* sp undetermined.
11. Nuevo Leon, Monterrey, 17.5km W of Cadereyta, 350m; 3 Jan 50, S. Mulaik. *An. (Ano.)* sp undetermined, *Cx. (Mel.)* sp undetermined, *Dx.* sp undetermined.
12. Nuevo Leon, 15km W of Linares, "Galcan Rd.," 400m; 7 Jan 50, S. Mulaik. *Cx. (Cux.) coronator* group, *Cx. (Cux.)* sp undetermined, *Ps.* sp undetermined, *Sy.* sp undetermined.
13. Tamaulipas, Ciudad Victoria, 19km SW of Padilla, Rio Corona, 200m; 8 Jan 50, S. Mulaik. *An. (Ano.)* spp undetermined, *An. (Nys.) albimanus*.
14. Baja California Sur, Santa Rosalia, Concepcion Bay, "Coyote Cove"; 1 Jul 38, Michelbacher, Ross. *Cx. (Cux.) tarsalis*.
15. Not used.
16. Morelos, Cuernavaca, 1500m; W. C. Earle. *Cx. (Cux.) coronator* group.
17. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) aztecus*.

MX Collection Records

18. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) pseudopunctipennis*.
19. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) aztecus*.
20. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) aztecus*.
21. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) pseudopunctipennis*.
22. Distrito Federal, Xochimilco, 2300m. *An. (Ano.) pseudopunctipennis*.

MF, MT, MX Locality Index

BAJA CALIFORNIA SUR

Santa Rosalia, vicinity of. Concepcion Bay, "Coyote Cove."—MX14.

CAMPECHE

Frontera, 26km E of, near sea level.—MF14, 15, 16.

CHIAPAS

Comitan, 40km NW of, 2000m.—MF9.

Sumidero (24km N of Tuxtla Gutierrez), 1000m.—MF7, 8.

COLIMA

Cuyutlan, 3km E of, near sea level.—MT2.

Manzanillo, vicinity of. 19.2km NW of junction of State Rts. 80 and 200, 10m.—MT8. 3km NW of junction of State Rts. 80 and 200, near sea level.—MT1. 22.7km NW of junction of State Rts. 80 and 200, 10m.—MT9. 15.8km SE of junction of State Rts. 80 and 200, near sea level.—MT5. 22.4km SE of junction of State Rts. 80 and 200, near sea level.—MT7. 27.6km SE of junction of State Rts. 80 and 200, near sea level.—MT6.

DISTRITO FEDERAL

Xochimilco, 2300m.—MX17, 18, 19, 20, 21, 22.

JALISCO

Barra de Navidad, vicinity of. Near junction of State Rt. 80 and road to Barra de Navidad, near sea level.—MT3, 4.

MORELOS

Cuernavaca, 1500m.—MX16.

NAYARIT

San Blas, vicinity of. 5km SE of San Blas, near sea level.—MF1. 'Playa Matanchen,' 6km SE of San Blas, near sea level.—MF2, 3, 4, 5, 6.

NUEVO LEON

Cadereyta, vicinity of. E of Cadereyta, 300m.—MX10. 17.5km W of Cadereyta, 350m.—MX11.

Linares, vicinity of. "Galcana Rd.," 15 km W of Linares, 400m.—MX12.

Monterrey, 15km N of, on road to Sabinas Hidalgo, 500m.—MX8.

OAXACA

Matias Romero, 42km N of, 100m.—MF10, 11, 12, 13.

SAN LUIS POTOSI

Tamazunchale, 9.5km N of, 200m.—MX9.

TAMAULIPAS

Padilla, 19km SW of, at Rio Corona, 200m.—MX13.

VERACRUZ

Coatzacoalcos.—MX2, 3, 4.

MF, MT, MX Locality Index

U.S.A., TEXAS

Brownsville, vicinity of. Laguna Vista, near sea level.—MT10.

MF, MT, MX Species Index

- Aedes (Ochlerotatus) epactius* Dyar and Knab 1908.—MF8.
Aedes (Ochlerotatus) euplocamus Dyar and Knab 1906.—MF13.
Aedes (Ochlerotatus) serratus group.—MF13.
Aedes (Ochlerotatus) taeniorhynchus (Wiedemann 1821).—MF1, 3, 16; MT2, 5, 6, 7, 9.
Aedes (Ochlerotatus) sp undetermined.—MX9.
Aedes (Protomacleaya) sumidero Schick 1970.—MF8 (holotype).
Anopheles (Anopheles) aztecus Hoffman 1935.—MX5, 17, 19, 20.
Anopheles (Anopheles) pseudopunctipennis Theobald 1901.—MX7, 8, 18, 21, 22.
Anopheles (Anopheles) sp undetermined.—MX8, 11, 13.
Anopheles (Nyssorhynchus) albimanus Wiedemann 1820.—MX13.
Anopheles sp undetermined.—MX2, 3.
Corethrella sp 10.—MF5.
Culex (Culex) coronator group.—MT3; MX9, 10, 12, 16.
Culex (Culex) nigripalpus Theobald 1901.—MF13.
Culex (Culex) tarsalis Coquillett 1896.—MX14.
Culex (Culex) sp undetermined.—MX10, 12.
Culex (Lutzia) sp undetermined.—MX9.
Culex (Melanoconion) sp undetermined.—MF12; MT5, 7, 8; MX11.
Deinocerites belkini Adames 1971.—MF6; MT4 (holotype).
Deinocerites howardi Belkin and Hogue 1959.—MT1.
Deinocerites mathesoni Belkin and Hogue 1959.—MT10.
Deinocerites mcdonaldi Belkin and Hogue 1959.—MF4, 6.
Deinocerites pseudus Dyar and Knab 1909.—MF14, 15; MT1, 4, 10.
Dixella sp undetermined.—MX11.
Haemagogus (Haemagogus) equinus Theobald 1903.—MF2, 3; MT6, 9.
Haemagogus (Haemagogus) mesodentatus Komp and Kumm 1938.—MF8, 11.
Mansonia (Mansonia) sp undetermined.—MT9.
Psorophora (Grabhamia) confinnis group.—MX4.
Psorophora (Janthinosoma) ferox (Humboldt 1819).—MF13.
Psorophora (Janthinosoma) varipes (Coquillett 1904).—MF3; MT7, 9.
Psorophora (Psorophora) ciliata (Fabricius 1794).—MF13.
Psorophora sp undetermined.—MX12.
Sayomyia (or *Chaoborus*) sp undetermined.—MX12.
Toxorhynchites (Lynchiella) moctezuma (Dyar and Knab 1906).—MF13.
Wyeomyia (Wyeomyia) sp near *celaenocephala*.—MF5.
Wyeomyia (Wyeomyia) sp 41.—MF5.

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***Aedes (Ochlerotatus) pix* Martini 1935 a synonym of *Aedes (O.) taeniorhynchus* (Wiedemann 1821)**

In 1935 Erich C. W. Martini (Los Mosquitos de Mexico, Mex. Dep. Salubr. Publica, Bol. Tec. Ser. A 1:55-56) described *Aedes pix* from two females collected in Belice, British Honduras [Belize]. Mattingly (1955, R. Entomol. Soc. Lond., Proc. Ser. B 24:29) marked these two specimens, received from the Hamburg Institute in 1950, as cotypes and stated that "one of them is now in the Washington Museum [USNM]"; he erroneously stated that "other specimens probably went to Dresden and may have been destroyed" although Martini definitely stated that *pix* was described from two females. Stone and Knight (1956, Wash. Acad. Sci., J. 46:224) stated that one of the specimens was in USNM and was labeled as lectotype by John Lane. This specimen was deposited in the USNM collection by Dr. Fritz Weyer of the Hamburg Institute. The first valid published designation of this specimen as the lectotype was by Lane and Cerqueira (in Lane, J., 1953, Neotropical Culicidae p. 652) although these authors mistakenly state that the specimen was deposited in BMNH. The labels on the pin are: //Co-/type//Anopheles/vexans//Dampf coll./8315//Belize Brit./Hond. 6-11-25//lectotype/selected by J. Lane X-50//. To these I have added the following label: //LECTOTYPE/Aedes pix/Martini/By Lane & Cerq 53//. No additional specimens of *pix* are known. Careful examination of the lectotype reveals that it is undoubtedly a very dark specimen of *Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann 1821). Such melanic mutants are known in several populations of *taeniorhynchus*. Except for the subdued light tarsal markings the lectotype of *pix* agrees well with the characteristic scaling of *taeniorhynchus*. For this reason *Aedes pix* Martini 1935 is here considered to be a junior synonym of *Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann 1821).—John N. Belkin, Dept. Biology, Univ. California, Los Angeles, CA 90024 (Contribution from project "Mosquitoes of Middle America" supported by U.S. Public Health Service Research Grant AI-04 379 and U.S. Army Medical Research and Development Research Contract DA-49-193-MD-2478).