

Collection Records of the Project "Mosquitoes of Middle America"**2. Puerto Rico (PR,PRA,PRX) and Virgin Is. (VI,VIA)¹**John N. Belkin and Sandra J. Heinemann²

For general information the first publication of this series should be consulted (Belkin and Heinemann, 1973. *Mosq. Syst.* 5:201-220). Any departure from the method of presentation in this publication is indicated below.

**PUERTO RICO
Codes PR,PRA,PRX**

The collections from Puerto Rico available for the project are identified by printed labels with 3 different codes: PR, for collections made especially for the project in 1964, 1970 and 1971; PRA for collections made in 1941, 1942 by various individuals and made available to us by T.H.G. Aitken; and PRX for miscellaneous collections accumulated at Johns Hopkins University chiefly by F.M. Root, and miscellaneous material accumulated by W.H.W. Komp, which was deposited at USNM. The 3 codes are treated separately below.

CODE: PR

The bulk of the material from Puerto Rico available to the project is identified by 1 of the following 2 printed labels: //PR [handwritten number for collections 1-28]/Puerto Rico 64-65/Mosq Mid Amer// or //PR [handwritten number for collections 90-1967]/Puerto Rico 70-71/Mosq Mid Amer//. Several numbers were not used in the numerical sequence and many collections are not included in the list because they are not significant.

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PR Collectors

The abbreviations for the names of the collectors are as follows, used simply or in combinations in alphabetical order:

A – L. Acevedo	M – Chester G. Moore
B – J. N. Belkin	N – Michael J. Nelson
C – H. Nieves Caro	O – C. Ortiz Baez
F – T. Feliberty Ortiz	R – Roth Koford
H – Sandra J. Heinemann	U – Bruce Bartholomew
K – Karen Bartholomew	W – William A. Haber
L – Lewis T. Nielsen	Z – W. Rodriguez

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In the location of a collection we have used the Municipio as the primary political subdivision. The Universal Transverse Mercator Grid coordinates were determined from maps of Puerto Rico 1:50,000 series E 735 and are given to the nearest 100 or 1,000 meters, depending on the accuracy of the available information.

1. Naguabo, Florida, Rt 191, km 23 (KR0420?), 300 m; 3 Aug 64, KU. Cut bamboo; 0.5 m above ground; bottom with decaying vegetation. *Ae. (G.) mediovittatus*.
2. Rio Grande, Mameyes, trail to Monte Britton (KR0425), 800-900 m; 3 Aug 64, KU. Epiphytic bromeliad in forest; near ground; deep shade. *W. (W.)* ?sp 56.
3. Rio Grande, Mameyes, trail to Monte Britton (KR0425), 800-900 m; 3 Aug 64, KU. Epiphytic bromeliad in forest; deep shade. *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 56.
4. Rio Grande, Mameyes, trail to Monte Britton (KR0425), 800-900 m; 3 Aug 64, KU. Epiphytic bromeliad in forest; 1-1.5 m above ground; deep shade. *W. (W.)* ?sp 56.
5. Rio Grande, Mameyes, trail near Monte Britton lookout (KR0425), 800 m; 3 Aug 64, KU. Epiphytic bromeliad in forest; 0.5 m above ground. No mosquitoes.
6. Naguabo, Florida, Rt 191, Rio Icacos 20 km S of Mameyes (KR0521?), 500 m; 3 Aug 64, KU. Large rockhole along river; water clear; algae present; full sun. *Cu. (Cu.) secutor*.
7. Humacao, Playa de Humacao, coconut plantation near Playa de Humacao (KR0910?), near sea level; 6 Aug 64, KRU. Large crabhole; bottom with sand; deep shade. *Cu. (Cu.) ?habilitator*.
8. Humacao, Playa de Humacao, coconut plantation near Playa de Humacao (KR0910?), near sea level; 6 Aug 64, K. Biting human on porch of house at 1730. *Ae. (O.) taeniorhynchus*.
9. Coamo, Aibonito, Rt 14, 42 km E of Ponce (GL8503?), 300 m; 9 Aug 64, KU. In car at 1700. No mosquitoes.
10. Humacao, Playa de Humacao, coconut plantation near Playa de Humacao (KR0910?), near sea level; 10 Aug 64, KU. Biting and resting on wall in house in coconut grove at 2000. *Ae. (O.) taeniorhynchus*.
11. Naguabo, Naguabo, Rt 971, about 1.5 km N of Naguabo (KR1116), 30 m; 10 Aug 64, KRU. Small treehole near grazing area; 2 m above ground; water colored; bottom with decaying vegetation. *Ae. (G.) mediovittatus*.
12. Naguabo, Naguabo, Rt 971, about 2.5 km N of Naguabo, at km 17 (KR1017), 40 m; 10 Aug 64, KU. Small treehole in roadside tree near grazing area; water colored; bottom and surface with decaying vegetation. *Ae. (G.) mediovittatus*.
13. Naguabo, Naguabo, Rt 971, about 3 km N of Naguabo, at km 18 (KR1017), 50 m; 10 Aug 64, KRU. Small treehole in roadside tree near grazing area; 1.5 m above ground; water colored; bottom with decaying vegetation; partial shade. *Ae. (G.) mediovittatus*.

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14. Naguabo, Naguabo, Rt 971, about 3 km N of Naguabo at km 18 (KR1017), 50 m; 10 Aug 64, KRU. Small ground pool in ditch near cultivated field; water temporary, colored, stagnant, fresh; no vegetation; bottom with mud; full sun. *Ps. (G.) jamaicensis*.
15. Naguabo, Naguabo, Rt 971, about 3 km N of Naguabo at km 18 (KR1017), 50 m; 10 Aug 64, KRU. Small treehole in roadside tree near grazing area; water colored; bottom with dead leaves. *Ae. (G.) mediovittatus*.
16. Humacao, Playa de Humacao, coconut plantation near Playa de Humacao (KR0910?), near sea level; 10 Aug 64, KU. Biting in house at 2000. *Ae. (O.) taeniorhynchus*.
17. Humacao, Los Perros, Rt 925, about 10 km E of Humacao (KR0510), 20 m; 18 Aug 64, KU. Small ground pool in sugarcane field; water temporary, clear stagnant; vegetation grassy; bottom with mud; full sun. *Ps. (G.) jamaicensis*.
18. Humacao, Punta Santiago (KR0810), near sea level; 14 Aug 64, K. Biting human leg in domestic area at 0800. *Ae. (S.) aegypti*.
19. Humacao, Punta Santiago (KR0810), near sea level; 14 Aug 64, K. Resting in domestic area at 0600. *Cu. (Cu.) ?quinquefasciatus*.
20. Naguabo, Florida, Rt 191, km 19 (KR052215), 550 m; 15 Aug 64, KU. No mosquitoes.
21. Rio Grande, Mameyes, trail to Monte Britton (KR0425), 800-900 m; 15 Aug 64, KU. Epiphytic bromeliad in forest; 1 m above ground. *Cu. (Micra.) antillumagnorum*.
22. Humacao, Playa de Humacao (KR0910), near sea level; 17 Aug 64, KU. Large artificial container (tire) in yard of house; water clear; bottom with decaying vegetation; partial shade. *Ae. (G.) mediovittatus*.
23. Humacao, Playa de Humacao, Cayo Santiago (KR1009), near sea level; 18 Aug 64, U. Large crabhole on sandbar near mangrove swamp; water clear, brackish; bottom with sand; deep shade. *D. magnus*.
24. Humacao, Playa de Humacao, Cayo Santiago (KR1009), near sea level; 18 Aug 64, KU. Large crabhole on sandbar near mangrove swamp; water clear, brackish; bottom with sand; deep shade. Also adults resting in crabhole at 0900. *D. magnus*.
25. Humacao, Playa de Humacao, Cayo Santiago (KR1009), near sea level; 17 Aug 64, KU. Large crabhole on sandbar near mangrove swamp; water clear, brackish. *D. magnus*.
26. Humacao, Playa de Humacao, Cayo Santiago (KR1009), near sea level; 18 Aug 64, KU. Large crabhole on sandbar near mangrove swamp; water clear, brackish. Also adults resting in crabhole and flying nearby at 0930. *D. magnus*.
27. Fajardo, Fajardo, mangrove swamp about 5 km W of Las Croabas (KR195324), near sea level; 19 Aug 64, KU. Biting humans and resting at edge of mangrove swamp at 1630. *Ae. (O.) taeniorhynchus*, *Cu. (Mel.) iolambdis*.
28. Humacao, Playa de Humacao (KR0910), near sea level; 25 Aug 64, KU. Resting inside house on walls and in dark corners up to 3 m high at 0700. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*.
- 29-79. Not used.
80. Guanica, Guanica, "Guanica desert area," near sea level; 4 Jan 73, L. Deep rockhole along beach. *Cor. sp.*
- 81-89. Not used.
90. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 17 Apr 70, W. Tire trap in forest. *Tox. (L.) portoricensis*.
91. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 2 Jun 70, W. Tire trap in forest. *Cu. (Cu.) janitor*.

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92. Aguadilla, Aguadilla (FL9437?); 11 Jun 70, W. Rockhole. *Cu. (Cu.) nigripalpus*.
- 93-100. Not used.
101. Vega Baja, Vega Baja, Rt 160, km 6 (GL7736), 100 m; 19 Aug 70, B. Cub bamboo. *Ae. (G.) mediovittatus*.
102. Vega Baja, Morovis, Rt 160, km 12 (GL7631), 180 m; 19 Aug 70, B. Seepage rockpool at base of limestone hillside. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) secutor*.
103. Loiza, San Juan, Rt 187 about 3 km E of Boca de Cangrejos bridge (JR8642), near sea level; 20 Aug 70, B. Small (4x8") ground pool at base of mangrove; mud and sand on bottom with dead leaves. *Ae. (O.) taeniorhynchus*.
104. Loiza, San Juan, Rt 187 about 3 km E of Boca de Cangrejos bridge (JR8642), near sea level; 20 Aug 70, B. Small (6x12") ground pool at base of mangrove; mud and sand on bottom with dead leaves. *Ae. (O.) taeniorhynchus*.
105. Loiza, San Juan, Rt 187 about 3 km E of Boca de Cangrejos bridge (JR8642), near sea level; 20 Aug 70, N. Small (2") ground pool at base of mangrove; mud and sand on bottom, decaying vegetation at surface and on bottom. *Ae. (O.) taeniorhynchus*, *D. magnus*.
106. Dorado, Dorado, just W of Playa Dorado-Sardinera (GL8544), 2 m; 21 Aug 70, B. Resting in crabhole near bank of ditch in coconut plantation in deep shade. *Cu. (Cu.) janitor*.
107. Dorado, Dorado, just E of Playa Dorado-Sardinera (GL8744), 2 m; 21 Aug 70, BN. Small ground pool in fresh water marsh; water permanent to semipermanent, yellowish; herbaceous vegetation abundant; bottom with mud and decaying vegetation. *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *U. lowii*.
108. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, H. Several epiphytic bromeliads (*Guzmania berteroniana*) in forest; from 0 to 1 m above ground. *Cor.* sp 35, *Cu. (Micra.) antillumagnorum*, *W. (W.)* ?sp 56.
109. Rio Grande, Mameyes, road to El Yunque about 250 m from Rt 191 (KR055257), 680 m; 22 Aug 70, H. Several epiphytic bromeliads (*Guzmania berteroniana*) in forest; from 0 to 2 m above ground. *Cor.* sp 35, *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 56.
110. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, H. Margin of very small temporary stream in forest; water clear, current slow; bottom with mud and decaying vegetation. No mosquitoes.
111. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, H. Fallen palm spathe in forest; water (about 2 qts) clear; decaying vegetation on bottom. *Cu. (Cu.) secutor*.
112. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, N. Many epiphytic bromeliads (*Guzmania berteroniana*) in forest. *Cor.* sp 35, *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 56.
113. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, HN. Biting landing on human in forest at 1700. *W. (W.)* ?sp 56.
114. Rio Grande, Mameyes, road to El Yunque about 150 m from Rt 191 (KR056257), 660 m; 22 Aug 70, B. Many bromeliads (*Guzmania berteroniana*) in forest. *Cor.* sp 35, *Cu. (Cu.)* sp or hybrid, *Cu. (Micra.) antillumagnorum*, *W. (W.)* ?sp 54, *W. (W.)* sp 56.
115. Lajas, Palmarejo, San German Experimental Station (GK0394?), 25 m; 24 Aug 70, W. Tire trap. *Cu. (Cu.) secutor*.
116. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 25 Aug 70, B. Small ground pools (road ruts). *Ae. (O.) tortilis*, *An. (N.) albimanus*, *Ps. (G.) jamaicensis*.
117. Loiza, San Juan, Rt 187 about 2.7 km E of Boca de Cangrejos bridge (JR8642), near

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sea level; 26 Aug 70, B. 2 small ground pools in open area near mangroves; water temporary, clear, fresh; some grassy vegetation; full sun. *Ps. (G.) jamaicensis*.

118. Loiza, San Juan, Rt 187 about 3 km E of Boca de Cangrejos bridge (JR8642), near sea level; 26 Aug 70, B. Small ground pool near mangroves. *Ae. (O.) taeniorhynchus*.

119. Loiza, San Juan, Rt 187 about 3.5 km E of Boca de Cangrejos bridge (JR8642), near sea level; 26 Aug 70, B. Large ground pool in mangroves. *Ae. (O.) taeniorhynchus*.

120. Loiza, Loiza Aldea, Rt 187 about 8 km E of Boca de Cangrejos bridge (JR9041), near sea level; 26 Aug 70, B. Resting in same hole as PR121. *Cu. (Mel.) atratus*.

121. Loiza, Loiza Aldea, Rt 187 about 8 km E of Boca de Cangrejos bridge (JR9041), near sea level; 26 Aug 70, B. Small ground pool (deep hole). *Ae. (O.) taeniorhynchus*.

122. Loiza, San Isidro, Rt 188 about 1.5 km N of San Isidro (JR9437), near sea level; 26 Aug 70, B. Ditch; water semipermanent, light yellow, fresh, with slow current; abundant grassy vegetation; bottom with mud and decaying vegetation. *Ae. (O.) taeniorhynchus*, *Cu. (Mel.) atratus*, *Cu. (Mel.) erraticus*, *U. lowii*, *U. socialis*.

123. Gurabo, Gurabo, Rt 189 E of Gurabo, km 8.7 (JR8620), 60 m; 27 Aug 70, BN. Stream margin in grazing area; water clear, fresh, with moderate current; abundant grassy vegetation and some flottage; bottom with mud and decaying vegetation; full sun. *An. (An.) grabhamii*, *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *Dixella* sp.

124. Gurabo, Gurabo, Rt 189 E of Gurabo, km 8.7 (JR8620), 60 m; 27 Aug 70, H. Small ground pool; water temporary, fresh; algae present; bottom with mud and sand; full sun. *Ae. (O.) taeniorhynchus*, *Ps. (G.) jamaicensis*.

125. Rio Grande, Mameyes, Rt 191 at junction with Rt 988 (KR080297), 200 m; 28 Aug 70, BHN. Leaf axils of *Xanthosoma*. *Cu. (Micra.) antillumagnorum*, *W. (W.)* ?sp 54.

126. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, BHN. Flower bracts of orange *Heliconia*. *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 54.

127. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, BHN. Leaf axils of *Heliconia*. No mosquitoes.

128. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, B. Leaf axils of *Dieffenbachia*. *Cu. (Micra.) antillumagnorum*, *W. (W.)* ?sp 54.

129. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, B. Stream pool. *Mesodixa* sp.

130. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, BN. Bromeliad. *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 54.

131. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, N. Fallen palm spathe. *Cu. (Cu.) secutor*.

132. Rio Grande, Mameyes, Rt 191, km 9.9 (KR065266), 500 m; 28 Aug 70, N. Streamside rockhole (2.5" diameter, 1" deep). *Cor. ?tripunctata*.

133. Luquillo, Sabana, W branch of Rt 915 at stream crossing (KR095269), 260 m; 29 Aug 70, BN. Terrestrial bromeliad. *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 54.

134. Luquillo, Sabana, W branch of Rt 915 near end of road (KR092271), 260 m; 29 Aug 70, N. Small (4"x6"x8" deep) treehole in buttress; 3.3 m above ground; bottom with leaves. *Ae. (G.) mediovittatus*.

135. Luquillo, Sabana, W branch of Rt 915 near end of road (KR092271), 270 m; 29 Aug 70, N. Small (2"x8") ground pool at side of road; water temporary, turbid; no vegetation; bottom with mud and dead leaves. *Cu. (Cu.) secutor*.

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136. Luquillo, Sabana, E branch of Rt 915, about 3.2 km from branching (KR1026), 300-400 m; 29 Aug 70, BN. Broken bamboo internode. *Ae. (G.) mediovittatus*, *Cu. (Micra.) antillum-magnorum*.
137. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, H. Adult caught at tower. *W. (W.)* sp 54.
138. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, N. Epiphytic bromeliad. *Tox. (L.) portoricensis*.
139. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, B. Treeholes and tire traps. *Tox. (L.) portoricensis*.
140. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, N. Epiphytic bromeliad. *Cu. (Micra.) antillum-magnorum*, *W. (W.)* sp 54.
141. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, B. Treehole (2'x6") in fallen balsa tree. *Ae. (G.) mediovittatus*, *Cu. (Cu.) secutor*, *O. signifera*.
142. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, BN. Resting on rocks near edge of stream. *Cu. (Cu.) secutor*, *M. (M.) flaveola*.
143. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, N. Stream side rockhole. *Cu. (Cu.) secutor*.
144. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, BN. Stream margin pool. *Mesodixa* sp.
145. Rio Grande, El Verde, El Verde Forest Service Station (KR014299), 100 m; 30 Aug 70, M. At light on porch of house. No mosquitoes.
146. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 30 Aug 70, B. Flower bracts of *Heliconia*. *W. (W.)* sp 54.
147. San Juan, San Juan, near junction of Rt 2 (Ave J. F. Kennedy) and Ave Puerto Nuevo (HL068397), near sea level; 1 Sept 70, BN. Small potholes in saltmarsh-mangrove area; water temporary, clear, stagnant; abundant vegetation (saltweed); mud and sand on bottom with algae; full sun. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*.
148. San Juan, San Juan, near junction of Rt 2 (Ave J. F. Kennedy) and Ave Puerto Nuevo (HL068397), near sea level; 1 Sept 70, BN. Potholes in saltmarsh-mangrove area; water temporary, clear, stagnant; vegetation abundant (*Eleocharis*); bottom with mud and sand; full sun. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) secutor*.
149. San Juan, San Juan, near junction of Rt 2 (Ave J. F. Kennedy) and Ave Puerto Nuevo (HL068397), near sea level; 1 Sept 70, BN. Small ground pool under *Casuarina* tree in saltmarsh-mangrove area; water apparently fresh. *Ae. (O.) tortilis*.
150. San Juan, San Juan, near junction of Rt 2 (Ave J. F. Kennedy) and Ave Puerto Nuevo (HL068397), near sea level; 1 Sept 70, N. Biting-landing along edge and in middle of small saltmarsh. *Ae. (O.) sollicitans*.
151. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, BN. Large ground pool in clearing; water temporary, clear, light yellow, stagnant, fresh; moderate grassy and herbaceous vegetation; full sun. *Ae. (O.) tortilis*, *An. (N.) albimanus*, *Cu. (Mel.) atratus*, *U. lowii*.
152. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, B. Small ground pool in clearing near a mangrove; water temporary, vegetation scanty, herbaceous; partial shade. *Cu. (Mel.) atratus*.
153. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, B. Large

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(4"x6"), shallow crabhole at edge of coconut plantation; partial shade. *Cu. (Cu.) habilitator, D. magnus*.

154. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, B. Small crabhole at edge of coconut plantation. *Cu. (Cu.) habilitator*.

155. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, N. Small ground pool (possibly a flooded crabhole) at edge of coconut plantation; bottom with dead leaves; partial shade. *Ae. (O.) tortilis, Cor. ?tripunctata, Cu. (Cu.) habilitator, D. magnus*.

156. Dorado, Dorado, Playa Dorado-Sardinera (GL8544), near sea level; 2 Sept 70, B. Large crabhole at edge of coconut plantation; partial shade. *Ae. (O.) tortilis, Cu. (Cu.) habilitator, D. magnus*.

157. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 2 Sept 70, B. Large (diameter at least 1') crabhole in bank at edge of coconut plantation near mangroves; partial shade. *Ae. (O.) taeniorhynchus, Cu. (Cu.) habilitator, Cu. (Mel.) iolambdis*.

158. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 2 Sept 70, B. Several small to moderate crabholes. *Ae. (O.) taeniorhynchus, Cu. (Cu.) habilitator, Cu. (Mel.) iolambdis, D. magnus*.

159. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 2 Sept 70, N. Resting in large crabhole in partial shade. *D. magnus, U. cooki*.

160. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 2 Sept 70, BN. Margin of and potholes in sawgrass swamp; water semipermanent, clear, light yellow, stagnant, fresh; abundant grassy and herbaceous vegetation; mud and sand on bottom; partial to deep shade. *Ae. (O.) taeniorhynchus, Ae. (O.) tortilis, An. (An.) vestitipennis, An. (N.) albimanus, Cu. (Mel.) atratus, Cu. (Mel.) erraticus, Cu. (Mel.) iolambdis, Ps. (G.) jamaicensis, U. lowii*.

161. Rio Grande, Mameyes, road to El Yunque (KR0426), 900-1000 m; 3 Sept 70, B. Small epiphytic bromeliad in forest. *Cor. sp 35, W. (W.) sp 56*.

162. Rio Grande, Mameyes, road to El Yunque (KR0426), 900-1000 m; 3 Sept 70, B. Large epiphytic and terrestrial bromeliads in forest. *Cor. sp 35, Cu. (Micra.) antillumagnorum, W. (W.) sp 56*.

163. Rio Grande, Mameyes, road to El Yunque (KR0426), 900-1000 m; 3 Sept 70, B. Epiphytic medium to large bromeliads in palm forest. *Cor. sp 35, Cu. (Micra.) antillumagnorum, W. (W.) sp 56*.

164. Rio Grande, Mameyes, road to El Yunque (KR0426), 900-1000 m; 3 Sept 70, B. Large epiphytic bromeliads in palm forest. *Cor. sp 35, Cu. (Micra.) antillumagnorum, W. (W.) sp 56*.

165. Rio Grande, Mameyes, road to El Yunque (KR0426), 900-1000 m; 3 Sept 70, B. Biting-landing at edge of road in palm forest. *Cu. (Cu.) quinquefasciatus, W. (W.) ?sp 56*.

166. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 4 Sept 70, B. Potholes at edge of sawgrass swamp; water semipermanent, clear, stagnant, fresh; abundant grassy and herbaceous vegetation; mud and sand on bottom; partial shade. *Ae. (O.) taeniorhynchus, An. (An.) vestitipennis, An. (N.) albimanus, Cu. (Mel.) atratus, Cu. (Mel.) erraticus, Cu. (Mel.) iolambdis, U. lowii*.

167. Dorado, Levittown, Rt 165 W of Levittown, km 24.4 (GL9243), near sea level; 4 Sept 70, B. Large crabhole at edge of sawgrass swamp; partial shade. *Ae. (O.) taeniorhynchus, Cu. (Cu.) habilitator, Cu. (Cu.) quinquefasciatus, D. magnus*.

168. Cayey, Campamento Guavate, Rt 184, km 21.9 (HL1005), 750 m; 5 Sept 70, BH. Vari-

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ous broad-leaved epiphytic and terrestrial bromeliads (*Guzmania berteroniana*, in part) at edge of forest; deep to partial shade. *Cor.* sp 35, *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 55.

169. Cayey, Campamento Guavate, Rt 184, km 21.9 (HL1005), 750 m; 5 Sept 70, N. Various broad-leaved epiphytic and terrestrial bromeliads at edge of forest; partial to full sun. *Cor.* sp 35, *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54.

170. Patillas, Campamento Guavate, Rt 184, km 18.6 (HL1104), 800 m; 5 Sept 70, B. Many broad-leaved epiphytic and terrestrial bromeliads in partial clearing in palm-fern forest; partial shade. *Cor.* sp 35, *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54, *W. (W.)* sp 55.

171. Patillas, Campamento Guavate, Rt 184, km 18.6 (HL1104), 800 m; 5 Sept 70, N. Large epiphytic bromeliad with broad serrated dark green leaves in palm-fern forest; at 4 m above ground; deep shade. *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 55.

172. Patillas, Patillas, Rt 184, km 8.45-8.15 (HK1397), 120 m; 5 Sept 70, B. Medium to large epiphytic bromeliads with grayish, long attenuate entire leaves and slightly to highly branched greenish inflorescences (?*Tillandsia* spp) in roadside trees in grazing area; at 3 m above ground; partial shade. *Cu. (Micra.) antillummagnorum*, *Tox. (L.) portoricensis*, *W. (W.)* sp 57.

173. Patillas, Patillas, Rt 184, km 8.5 (HK1397), 120 m; 5 Sept 70, N. Large treehole along road in grazing area; partial shade. *Ae. (G.) mediiovittatus*.

174. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 6 Sept 70, B. Treehole (2'x6") in fallen balsa tree (same hole as PR141). *Ae. (G.) mediiovittatus*, *Cu. (Cu.) secutor*, *O. signifera*, *Tox. (L.) portoricensis*.

175. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 6 Sept 70, B. *Heliconia* flower bracts. *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54.

176. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 6 Sept 70, B. Various epiphytic bromeliads. *Cu. (Micra.) antillummagnorum*, *Tox. (L.) portoricensis*, *W. (W.)* sp 54.

177. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 6 Sept 70, B. Stream margin. *Mesodixa* sp.

178. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 6 Sept 70, B. Resting under moist rock along edge of stream (same as PR177), *Cu. (Cu.) nigripalpus*, *Cu. (Micra.) antillummagnorum*.

179. Loiza, San Isidro, Rt 188 about 1.5 km N of San Isidro (JR9437), near sea level; 6 Sept 70, B. Ditch (same as PR122). *U. lowii*, *U. socialis*.

180. San Juan, San Juan, Santurce, 166 Villamil (HL092424), 10 m; 7 Sept 70, N. Small artificial container (flower vase) in house. *Ae. (S.) aegypti*.

181. Jayuya/Ponce, Divisoria, Toro Negro, Rt 143, km 20.1 (GL5709?), 1200 m; 7 Sept 70, BHN. Various epiphytic and terrestrial bromeliads. *Cor.* sp 35, *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54, *W. (W.)* sp 55.

182. Orocovis, Divisoria, Toro Negro, Rt 143, km 30.7 (GL6410?), 900 m; 7 Sept 70, BN. Various epiphytic bromeliads including large forms with tall distichous inflorescence and large central tank. *Cor.* sp 35, *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54, *W. (W.)* sp 55.

183. Orocovis, Divisoria, Toro Negro, Rt 143, km 30.7 (GL6410?), 900 m; 7 Sept 70, H. Epiphytic bromeliads, small grayish, with attenuate entire leaves and tall yellowish highly branched inflorescence (?*Tillandsia* sp). *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54.

184. Orocovis, Divisoria, Toro Negro, Rt 143, km 31.0 (GL6410?), 900 m; 7 Sept 70, N. Cut bamboo. *Ae. (G.) mediiovittatus*.

185. Comerio, La Guitarra, Rt 156, km 24.8 (GL8914?), 500 m; 7 Sept 70, BN. Small tree-

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hole in poinciana tree. *Ae. (G.) mediovittatus*.

186-201. Not used.

202. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 20 Dec 70, W. Epiphytic bromeliad in forest; partial shade. *W. (W.)* sp 54.

203. Rio Grande, El Verde, El Verde Field Station (KR019278), 360 m; 20 Dec 70, W. Large artificial containers (dish pan and garbage pail) in domestic area; 1 m above ground; water clear; no vegetation; partial shade. *Cu. (Micra.) antillumagnorum*.

204. Not used.

205. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 20 Dec 70, W. Progeny rearings from female resting in red box in forest at ground level at 1430. *Cu. (Micra.) antillumagnorum*.

206. Not used.

207. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 3 Jan 71, W. Stream pool; water temporary, tan; no vegetation; mud on bottom. *Cu. (Cu.) secutor*.

207A. Rio Grande, El Verde, El Verde Field Station (KR019278), 360 m; 3 Jan 71, W. In bathroom at 1500. *M. (M.) flaveola*.

208. ?San German, San German, "Finca Almodovar"; 10 Jan 71, W. Progeny rearings from females resting in red box (1' square) at ground level at 0930 in deep shade. *Cu. (Micra.) antillumagnorum*.

209. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 3 Jan 71, W. Tire trap. *Cu. (Cu.) secutor*.

210-213. Not used.

214. Mayaguez, Mayaguez, University of Puerto Rico, Rt 108 (FL965146), 20 m; 13 Jan 71, O. Stream margin; water permanent, clear, fresh, with slow current; decaying vegetation on surface and gravel on bottom. *An. (An.) grabhamii*, *Cu. (Mel.) atratus*, *Cu. (Mel.)* sp.

215. Mayaguez, Mayaguez, University of Puerto Rico, Rt 108 (FL965146), 20 m; 13 Jan 71, O. Stream margin; water permanent, clear, fresh; bottom with mud and decaying vegetation; partial shade. *An. (An.) grabhamii*, *Cu. (Mel.) inhibitor*.

216. Mayaguez, Mayaguez, University of Puerto Rico, Rt 108 (FL965146), 20 m; 13 Jan 71, C. Artificial container on ground. *Cu. (Cu.) secutor*.

217. Mayaguez, Mayaguez, University of Puerto Rico, Rt 108 (FL965146), 20 m; 13 Jan 71, C. Cow tracks along stream at edge of bamboos; partial shade. *Cu. (Mel.) inhibitor*, *U. lowii*.

218. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 3 Jan 71, W. Stream pool in forest; water semipermanent, brown; no vegetation; bottom with mud and decaying vegetation; deep shade. *Cu. (Cu.) secutor*.

219. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 3 Jan 71, W. Epiphytic bromeliads at edge of forest; 1-2 m above ground. *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 54.

220. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 3 Jan 71, W. Large artificial container (plastic swimming pool) at edge of forest; water semipermanent, clear; algae and flottage present; bottom with decaying vegetation and animal matter; partial shade. *Cu. (Cu.) secutor*.

221-228. Not included.

229. Aguadilla, Aguadilla, Aguadilla Terminal (FL9538?), 30 m; 15 Jan 71, M. Large artificial container (refrigerator in junk pile); water clear; without decaying vegetation or animal matter; partial shade. *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.

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230-248. Not included.

249. Aguadilla, Aguadilla, Aguadilla Terminal (FL9538?), 30 m; 18 Jan 71, O. Large (5 gal) artificial container; water turbid; bottom with decaying vegetation; partial shade. *Cu. (Cu.) habilitator*.

250-260. Not included.

261. Aguada, Aguadilla, Boca de Rio Culebrinas (FL9235), near sea level; 19 Jan 71, F. Resting in crabhole in partial shade at 1350. *D. magnus*.

262. Aguada, Aguadilla, Boca de Rio Culebrinas (FL9235), near sea level; 18 Jan 71, C. Large crabhole; water turbid, fresh, foul; bottom with sand. Also adult resting in crabhole at 1350. *D. magnus*.

263. Not included.

264. Aguada, Aguadilla, behind Parque de Colon (FL9336), near sea level; 20 Jan 71, C. Large crabhole at margin of mangroves; water turbid, brackish; bottom with sand; full sun. *D. magnus*.

265. Not included.

266. Aguada, Aguadilla, near Boca de Rio Culebrinas (FL9235), near sea level; 20 Jan 71, O. Large ground pool at edge of mangroves; water semipermanent, colored, stagnant, brackish; coconut shells on surface; partial shade. *Ae. (O.) taeniorhynchus*.

267-268. Not included.

269. Rio Grande, El Verde, El Verde Field Station (KR0227), 400 m; 8 Aug 70, W. Tire traps at ground level in forest; water temporary, clear; bottom with decaying vegetation; partial to deep shade. *Tox. (L.) portoricensis*.

270. Rio Grande, El Verde, El Verde Field Station (KR0127), 350 m; 13 Sept 70, W. Tire trap at ground level at edge of forest along road; water temporary, clear; bottom with decaying vegetation; deep shade. *Tox. (L.) portoricensis*.

271. San German, San German, 2 km S of San German (GK0698), 100 m; 7 Sept 70, W. Tire trap in tropical dry forest; water temporary, clear; bottom with decaying vegetation. *Tox. (L.) portoricensis*.

272. San German, San German, 2 km S of San German (GK0698), 100 m; 2 Nov 70, W. Tire trap at edge of tropical dry forest; at ground level; water temporary, clear; bottom with decaying vegetation; deep shade. *Tox. (L.) portoricensis*.

273. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 10 m; 22 Jan 71, C. Stream margin; water permanent; vegetation abundant; bottom with gravel and organic matter; partial shade. *An. (An.) grabhamii*, *Cu. (Mel.) atratus*, *Cu. (Mel.) inhibitor*.

274-304. Not included.

305. Mayaguez, Anasco, Central Igualdad (FL9421), near sea level; 26 Jan 71, O. Artificial container; water turbid, fresh; bottom with sand and decaying vegetation; full sun. *Cu. (Cu.) habilitator*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*.

306-316. Not included.

317. Anasco, Anasco, Cienaga Pozo Hondo (FL9521), near sea level; 27 Jan 71, O. Artificial container (1 gal can) in marsh; water temporary, turbid, fresh, foul; bottom with mud and decaying vegetation; partial shade. *Cu. (Cu.) quinquefasciatus*, *U. socialis*.

318-322. Not included.

323. Aguadilla, Aguadilla, Camaceyes (FL9642), 100 m; 1 Feb 71, O. Small ground pool in clearing along road; water semipermanent, clear, stagnant, fresh; vegetation abundant; bottom with mud and decaying vegetation; partial shade. *Cu. (Cu.) nigripalpus*.

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- 324-332. Not included.
333. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 2 Feb 71. Small artificial container (16 oz can); water turbid, fresh; bottom with mud and decaying vegetation; partial shade. *Cor.* ?sp 37.
- 334-335. Not included.
336. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 2 Feb 71, C. Small artificial container on ground; water clear, fresh; bottom with decaying vegetation; partial shade. *Cu. (Cu.) habitator*, *Cu. (Micra.) antillumagnorum*.
- 337-338. Not included.
339. Aguadilla, Aguadilla, Camaceyes (FL9642), 100 m; 3 Feb 71, C. Artificial container (5 gal) at margin of domestic area; on ground; water temporary, reddish; bottom with decaying vegetation; partial shade. *Cu. (Cu.) nigripalpus*.
- 340-412. Not included.
413. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 16 Feb 71, F. Small treehole in *Ceiba*; water reddish; bottom with decaying vegetation; partial shade. *Tox. (L.) portoricensis*.
- 414-417. Not included.
418. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 16 Feb 71, C. Large artificial container on ground; water turbid, fresh; bottom with decaying leaves. *Cor.* sp 37, *Cu. (Micra.) antillumagnorum*.
- 419-441. Not included.
442. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 18 Feb 71, C. Terrestrial bromeliad ("pina cuervo") in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.)* sp 54.
- 443-454. Not included.
455. San Sebastian, San Sebastian, Salto de Callozo (GL1031?), 100 m; 22 Feb 71, C. Coral rockhole along stream; water turbid, fermenting; bottom with leaves; deep shade. *Cu. (Cu.) secutor*.
- 456-554. Not included.
555. Aguadilla, Aguadilla, Borinquen (FL9442?), 60 m; 3 Mar 71, C. Biting-landing on man's face in grazing area in full sun at 1050. *Ps. (J.) johnstonii*.
- 556-562. Not included.
563. Maricao, Maricao, "Viveros" road, 0.4 km; 4 Mar 71, O. Margin of blocked stream in plantation; water permanent, clear; sand and rock on bottom with leaves; partial shade. *An. (An.) grabhamii*.
564. Maricao, Maricao, "Viveros" road, 0.5 km; 4 Mar 71, C. Streamside rockhole; water clear, fresh; bottom with leaves, partial shade. *An. (An.) grabhamii*.
565. Maricao, Maricao, "Viveros" road, 0.5 km; 4 Mar 71, F. Streamside rockhole; water clear, fresh; bottom with leaves; partial shade. *Cu. (Cu.) secutor*.
- 566-580. Not included.
581. Lajas, Lajas, Maguayo (GK0292), 20 m; 8 Mar 71, O. Animal tracks (pig wallow) in grazing area; water turbid; surface with leaves; partial shade. *Ps. (G.) jamaicensis*.
- 582-598. Not included.
599. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 10 Mar 71, F. Margin of blocked stream in cultivated area; water permanent, clear; surface with leaves; partial shade. *Cu. (Mel.) inhibitor*.

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- 600-626. Not included.
627. Sabana Grande, Sabana Grande, Rt 120, km 5.9 (GL1603?), 260 m; 15 Mar 71, O. Volcanic rockhole; water blackish; leaves floating and on bottom; partial shade. *An. (An.) grabhamii*, *Cu. (Cu.) secutor*.
628. Not included.
629. Maricao, Maricao, Cuchilla de Bucarabones (GL1811?), 650 m; 18 Mar 71, F. Small artificial container (tin can) in domestic area; water turbid, foul; partial shade. *Cu. (Cu.) secutor*.
630. Maricao, Maricao (GL1311), 400 m; 18 Mar 71, O. Terrestrial bromeliad in domestic area; partial shade. *Cu. (Micra.) antillummagnorum*, *W. (W.)* sp 54.
- 631-646. Not included.
647. Maricao, Maricao, Indiera Fria, Rt 366, km 0.5 (GL1707?), 700 m; 23 Mar 71, C. Volcanic rockhole in road in plantation; water clear; surface and bottom with dead vegetation; partial shade. *Cu. (Cu.) secutor*, *Ae. (G.) mediovittatus*.
- 648-658. Not included.
659. Maricao, Maricao, Indiera Fria, Rt 366, km 1.9 (GL1707?), 700 m; 23 Mar 71, C. Large artificial container (50 gal drum) in domestic area; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) secutor*.
- 660-666. Not included.
667. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 24 Mar 71, C. Stream margin in cultivated area; water permanent, clear, with slow current; surface with leaves and sticks; bottom with sand; partial shade. *An. (An.) grabhamii*, *Cu. (Mel.) inhibitor*.
- 668-669. Not included.
670. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 24 Mar 71, F. Stream margin; water permanent, clear, with strong current; abundant herbaceous and grassy vegetation; bottom with mud. *Mesodixa* sp.
671. Not included.
672. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 24 Mar 71, F. Margin of blocked stream in cultivated area; water permanent, clear, with slow current; surface with leaves; bottom with sand; partial shade. *Cu. (Cu.) secutor*.
- 673-675. Not included.
676. Anasco, Anasco, Rio Daguey, Rt 404 (FL9824?), 40 m; 24 Mar 71, F. Stream margin in cultivated area; water permanent, clear; abundant herbaceous vegetation; bottom with mud; partial shade. *An. (An.) grabhamii*, *Cu. (Mel.) atratus*, *U. socialis*.
- 677-678. Not included.
679. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 29.9 (GL1611?), 400 m; 25 Mar 71, C. Artificial container (50 gal drum) in cultivated area; water clear; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) secutor*.
- 680-683. Not included.
684. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 28.8 (GL1611?), 360 m; 25 Mar 71, O. Small artificial container (bamboo) in domestic area; water clear; partial shade. *Cu. (Cu.) secutor*.
685. Not included.
686. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 25 Mar 71, O. Terrestrial bromeliad ("pina cuervo") in domestic area at stream margin. *Cu. (Micra.) antillummagnorum*.
- 687-693. Not included.
694. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 29 Mar 71, F. Margin

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of blocked stream; water permanent, clear; surface with sticks and leaves; sand on bottom; partial shade. *An. (An.) grabhamii*, *Cu. (Cu.) inhibitor*.

695. Not included.

696. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 29 Mar 71, O. Margin of blocked stream in cultivated area; water permanent, clear, with moderate current; gravel on bottom; full sun. *An. (An.) grabhamii*, *Mesodixa* sp.

697. Anasco, Anasco, Rio Daguey, end of Rt 404 (FL981247), 40 m; 29 Mar 71, C. Margin of blocked stream; water permanent, clear, with moderate current; algae present; gravel on bottom; full sun. *An. (An.) grabhamii*, *Mesodixa* sp.

698-704.

705. Mayaguez, Mayaguez, Leguisamo, Rt 108, km 8.8 (FL9918?), 100 m; 30 Mar 71, Z. Large artificial container (water trough) in grazing area; water temporary, clear; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) secutor*.

706. Mayaguez, Mayaguez, Leguisamo, Rt 108, km 11.5 (GL0118?), 200 m; 30 Mar 71, C. Large artificial container (water trough) in grazing area; water temporary, reddish; surface and bottom with leaves and seeds; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) secutor*.

707. Mayaguez, Mayaguez, Leguisamo, Rt 108, km 11.5 (GL0118?), 200 m; 30 Mar 71, Z. Resting on and near water trough of PR706 at 1130. *Cu. (Cu.) secutor*.

708. Not included.

709. Las Marias, Las Marias, Anones, Rt 108, km 16.0 (GL0519?), 200 m; 30 Mar 71, Z. Large artificial container (reservoir) in plantation; water permanent, clear; bottom with dead leaves; partial shade. *Cu. (Cu.) secutor*.

710. Las Marias, Las Marias, Anones, Rt 108, km 16.0 (GL0519?), 200 m; 31 Mar 71, C. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) ?sp 54*.

711-714. Not included.

715. Las Marias, Las Marias, Anones, Rt 108, km 21.5 (GL0621?), 100 m; 31 Mar 71, C. Leaf axil of aroid ("malanga brava") in grazing area; partial shade. *Cu. (Micra.) antillumagnorum*.

716. Las Marias, Las Marias, Anones, Rt 108, km 21.5 (GL0621?), 100 m; 31 Mar 71, C. Small artificial container (tin can) in grazing area; water turbid; partial shade. *Cu. (Cu.) secutor*.

717-720. Not included.

721. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 28.5 (GL1611?), 320 m; 1 Apr 71, Z. Margin of blocked stream in domestic area; water permanent, clear; flottage present; bottom with gravel and dead leaves; partial shade. *Mesodixa* sp.

722. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 28.5 (GL1611?), 320 m; 1 Apr 71, C. Margin of blocked stream in domestic area; water permanent, clear; partial shade. *Mesodixa* sp.

723. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 26.6 (GL1511?), 340 m; 1 Apr 71, Z. Leaf axils of terrestrial plant ("coco macaco") in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) ?sp 54*.

724. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 26.7 (GL1511?), 340 m; 1 Apr 71, C. Leaf axils of terrestrial plant ("yantra") in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*.

725. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 26.6 (GL1511?), 340 m; 1 Apr 71, Z. Leaf axils of terrestrial plant ("coco macaco") in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) sp 54*.

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726. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 28.8 (GL1611?), 360 m; 1 Apr 71, C. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*.
727-740. Not included.
741. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 5 Mar 71, C. Large artificial container; water clear with dead plant and animal matter; partial shade. *An. (An.) ?grabhamii*.
742-744. Not included.
745. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 5 Mar 71, C. Small artificial container; partial shade. *Ae. (G.) mediovittatus*, *Cu. (Cu.) habilitator*, *Cu. (Micra.) antillumagnorum*.
746-779. Not included.
780. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 8 Apr 71, C. Bamboo trap in domestic area. *Cu. (Micra.) antillumagnorum*.
781. Not included.
782. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 8 Apr 71, Z. Terrestrial bromeliad ("pina cuervo"). *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) secutor*.
783-808. Not included.
809. Maricao, Maricao, Maricao Cemetery (GL133114), 420 m; 14 Apr 71, Z. Bamboo trap; water clear; partial shade. *Cu. (Cu.) secutor*.
810-822. Not included.
823. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 15 Apr 71, C. Bamboo trap near stream; water clear; partial shade. *Cu. (Cu.) secutor*.
824. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 15 Apr 71, Z. Terrestrial bromeliad ("pina cuervo") in domestic area near stream. *Cu. (Micra.) antillumagnorum*, *W. (W.) ?sp 54*.
825. Maricao, Maricao, Cuchilla de Bucarabones (GL1910?), 600 m; 15 Apr 71, C. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) sp 54*.
826-953. Not included.
954. Maricao, Maricao, Cuchilla de Bucarabones (GL1910?), 600 m; 30 Apr 71, C. Bamboo trap in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*.
955-960. Not included.
961. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 30 Apr 71, C. Terrestrial bromeliad ("pina cuervo") in domestic area; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) ?sp 54*.
962-963. Not included.
964. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 26.5 (GL1511?), 340 m; 30 Apr 71, C. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*, *W. (W.) ?sp 54*.
965-994. Not included.
995. Maricao, Maricao, Cuchilla de Bucarabones (GL1911?), 600 m; 10 Apr 71, C. Bamboo trap in domestic area near stream; partial shade. *Cu. (Micra.) antillumagnorum*.
996-1053. Not included.
1054. Maricao, Maricao, Pueblo Nuevo, Rt 105, km 26.7 (GL1511?), 340 m; 24 Apr 71, Z. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*.
1055-1094. Not included.

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1095. Maricao, Maricao, Bucarabones, Rt 105 (GL1811?), 600 m; 3 Jun 71, Z. Leaf axils of terrestrial plant in plantation area; partial shade. *Cu. (Micra.) antillumagnorum*.
- 1096-1150. Not included.
1151. Maricao, Maricao, Bucarabones, Rt 105, km 38.6 (GL1811?), 600 m; 14 Jun 71. Leaf axils of terrestrial plant ("coco macaco") in plantation; partial shade. *Cu. (Micra.) antillumagnorum*.
- 1152-1483. Not included.
1484. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 13 Aug 71, Z. Leaf axils of aroid ("malanga"); partial shade. *Cu. (Micra.) antillumagnorum*.
- 1485-1516. Not included.
1517. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 18 Aug 71, A. Large treehole in mango; 1 m above ground; water turbid with many leaves on surface; partial shade. *Cu. (Cu.) secutor*, *Tox. (L.) portoricensis*.
1518. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 18 Aug 71, C. Leaf axils of aroid ("malanga"); partial shade. *Cu. (Micra.) antillumagnorum*.
- 1519-1756. Not included.
1757. Mayaguez, Mayaguez, Jardin Zoologico (FL9714), 40 m; 20 Sept 71, C. Epiphytic bromeliad; 2 m above ground; partial shade. *Tox. (L.) portoricensis*.
- 1758-1773. Not included.
1774. Mayaguez, Anasco, Central Igualdad (FL9421), near sea level; 23 Sept 71, C. Small artificial container; water clear; partial shade. *An. (An.) grabhamii*.
- 1775-1806. Not included.
1807. Maricao, Maricao, "Viveros" road; 28 Sept 71, A. Bamboo trap; on ground; water clear; partial shade. *Tox. (L.) portoricensis*.
- 1808-1872. Not included.
1873. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 5 Oct 71, Z. Fallen aroid leaf ("malanga"); water clear with many dead leaves; partial shade. *Cu. (Micra.) antillumagnorum*.
1874. Mayaguez, Mayaguez, University of Puerto Rico (FL9614), 20 m; 5 Oct 71, A. Small artificial container (can); water clear; partial shade. *Tox. (L.) portoricensis*.
- 1875-1966. Not included.
1967. Aguadilla, Aguadilla, Obras Publicas (FL9437?), 10 m; 19 Oct 71, Z. Large artificial container (junked car) near sea; water clear; partial shade. *Tox. (L.) portoricensis*.

PR Locality Index

The localities are grouped under a neighboring large city or other well known feature such as mountain range or forest.

AGUADILLA (Municipio de Aguada, Aguadilla)

Aguadilla. Aguadilla Terminal, 30 m.—229,249. Obras Publicas, 10 m.—333,336,413,418,741,745,1967. Not specified.—92.

Boca de Rio Culebrinas (FL9235), near sea level.—261,262,266.

Borinquen (FL9442?), 60 m.—555.

Camaceyes (FL9642), 100 m.—323,339.

PR Locality Index

- Parque de Colon* (FL9336), near sea level. Behind park.—264.
- AIBONITO (Municipio de Coamo, Comerio)
Aibonito (GL8503?), 300 m. Rt 14, 42 km E of Ponce.—9.
La Guitarra (GL8914?), 500 m. Rt 156, km 24.8.—185.
- FAJARDO (Municipio de Fajardo)
Fajardo (KR195324), near sea level. Mangrove swamp about 5 km W of Las Croabas.—27.
- GUANICA (Municipio de Guanica)
Guanica, near sea level. “Guanica desert area,” along beach.—80.
- GURABO (municipio de Gurabo)
Gurabo (JR8620), 60 m. Rt 289 E of Gurabo, km 8.7.—123,124.
- HUMACAO (Municipio de Humacao)
Cayo Santiago (KR1009), near sea level.—23,24,25,26.
Los Perros (KR0510), 20 m. Rt 925 about 10 km E of Humacao.—17.
Playa de Humacao (KR0910), near sea level. Coconut plantation near town.—7,8,10,16. House in town.—22,28.
Punta Santiago (KR0810), near sea level.—18,19.
- LUQUILLO FOREST, Sierra de Luquillo (Municipio de Luquillo, Rio Grande)
El Verde (KR014299), 100 m. El Verde Forest Service Station.—145.
El Verde Field Station (KR0127,0227), 350-400 m.—90,91,137,138,139,140,141,142,143,144,146,174,175,176,177,178,202,203,205,207,207A,209,218,219,220,269,270.
El Yunque (mountain). Road to El Yunque (KR0525), 660-680 m.—108,109,110,111,112,113,114. Road to El Yunque (KR0426), 900-1000 m.—161,162,163,164,165. Rt 191, km 9.9 (KR065266), 500 m.—126,127,128,129,130,131,132.
Mameyes (KR080297), 200 m. Intersection of Rt 191 and Rt 988, 4 km S of Mameyes.—125.
Monte Britton (KR0425), 800-900 m. Trail to Monte Britton.—2,3,4,5,21.
Sabana. West branch of Rt 915 (KR0926,0927), 260-270 m.—133,134,135. East branch of Rt 915, about 3.2 km from branching (KR1026), 300-400 m.—136.
- MARICAO (Municipio de Maricao)
Bucarabones (GL1811?), 600 m. Rt 105, km 38.6.—1151. Rt 105.—1095.
Cuchilla de Bucarabones (GL1811?,1910?,1911?), 600-650 m.—442,629,686,780,782,823,824,825,954,961,995.
Indiera Fria (GL1707?), 700 m. Rt 366, km 0.5.—647. Rt 366, km 1.9.—659.
Maricao (GL1311), 400-420 m. House in town.—630. Cemetery.—809.
Pueblo Nuevo (GL1511,1611), 320-400 m. Rt 105, km 26.5-29.9.—679,684,721,722,723,724,725,726,964,1054.
“*Viveros*” road.—563,564,565,1807.
- MAYAGUEZ (Municipio de Anasco, Las Marias, Mayaguez)
Anones. Rt 108, km 16.0 (GL0519?), 200 m.—709,710. Rt 108, km 21.5 (GL0621?), 100 m.—715,716.
Central Igualdad (FL9421), near sea level.—305,1774.

PR Locality Index

Cienega Pozo Hondo (FL9521), near sea level.—317.

Jardin Zoologico (FL9714), 40 m.—1757.

Leguisamo. Rt 108, km 8.8 (FL9918?), 100 m.—705. Rt 108, km 11.5 (GL0118?), 200 m.—706,707.

Rio Daguey (FL9824), 40 m. End of Rt 404.—599,667,670,672,694,696,697. Not specified.—676.

University of Puerto Rico at Mayaguez (FL9614), 10-20 m.—116,214,215,216,217,273,1484,1517,1518,1873,1874.

NAGUABO (Municipio de Naguabo)

Florida. Rt 191, km 23 (KR0420?), 300 m.—1. Rt 191, Rio Icacos 20 km S of Mameyes (KR0521?), 500 m.—6. Rt 191, km 19 (KR052215), 550 m.—20.

Naguabo (KR1017,1116), 30-50 m. Rt 971, 1.5-3 km N of Naguabo.—11,12,13,14,15.

SAN GERMAN (Municipio de Lajas, Sabana Grande, San German)

"Finca Almodovar."—208.

Maguayo (GK0292), 20 m.—581.

Sabana Grande (GL1603?), 260 m. Rt 120, km 5.9.—627.

San German (GK0698), 100 m. 2 km S of San German.—271,272.

San German Experimental Station (GK0394?), 25 m.—115.

SAN JUAN (Municipio de Dorado, Loiza, San Juan)

Boca de Cangrejos. Rt 187, 2.7-3.5 km E of Boca de Cangrejos bridge (JR8642), near sea level.—103,104,105,117,118,119. Rt 187, 8 km E of Boca de Cangrejos bridge (JR9041), near sea level.—120,121.

Dorado. W of Playa Dorado-Sardinera (GL8544), near sea level.—106,151,152,153,154,155,156. Marsh E of Playa Dorado-Sardinera (GL8744), near sea level.—107.

Levittown (GL9243), near sea level. Rt 165, km 24.4.—157,158,159,160,166,167.

San Isidro (JR9437), near sea level. Rt 188, about 1.5 km N of San Isidro.—122,179.

San Juan. House in Santurce (HL092424), 10 m.—180. Near intersection of Rt 2 and Ave Puerto Nuevo (HL068397), near sea level.—147,148,149,150.

SAN SEBASTIAN (Municipio de San Sebastian)

Salto de Callozo (GL1031?), 100 m.—455.

SIERRA DE CAYEY (Municipio de Cayey, Patillas)

Campamento Guavate. Rt 184, km 21.9 (HL1005), 750 m.—168,169. Rt 184, km 18.6 (HL1104), 800 m.—170,171.

Patillas (HK1397), 120 m. Rt 184, km 8.45-8.55.—172,173.

TORO NEGRO, Cordillera Central (Municipio de Jayuya, Orocovis, Ponce)

Divisoria. Rt 143, km 30.7-31.0 (GL6410?), 900 m.—182,183,184. Rt 143, km 20.1 (GL5709?), 1200 m.—181.

VEGA BAJA (Municipio de Vega Baja)

Morovis (GL7631), 180 m. Rt 160, km 12.—102.

Vega Baja (GL7736), 100 m. Rt 160, km 6.—101.

PR Species Index

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—1,11,12,13,15,22,101,134,136,141, 173,174,184,185,647,745.
- Aedes (Ochlerotatus) sollicitans* (Walker, 1856).—147,148,150.
- Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—8,10,16,27,102,103,104,105,118,119, 121,122,124,147,148,157,158,160,166,167,266.
- Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—116,149,151,155,156,160.
- Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—18,28,180.
- Anopheles (Anopheles) grabhamii* Theobald, 1901.—123,214,215,273,563,564,627,667,676,694, 696,697,?741,1774.
- Anopheles (Anopheles) vestitipennis* Dyar & Knab, 1906.—160,166.
- Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—116,123,151,160,166.
- Corethrella ? tripunctata* Lane, 1942.—132,155.
- Corethrella* sp 35.—108,109,112,114,161,162,163,164,168,169,170,181,182.
- Corethrella* sp 37.—?333,418.
- Corethrella*, sp undetermined.—80.
- Culex (Culex) habilitator* Dyar & Knab, 1906.—?7,153,154,155,156,157,158,167,249,305,336,745.
- Culex (Culex) janitor* Theobald, 1903.—91,106.
- Culex (Culex) nigripalpus* Theobald, 1901.—92,107,123,178,229,305,323,339.
- Culex (Culex) quinquefasciatus* Say, 1823.—?19,28,165,167,229,317,659,679,705,706,782.
- Culex (Culex) secutor* Theobald, 1901.—6,102,111,115,131,135,141,142,143,148,174,207,209, 216,218,220,455,565,627,629,647,659,672,679,684,705,706,707,709,716,782,809,823,,1517.
- Culex (Culex)* sp or hybrid.—114.
- Culex (Melanoconion) atratus* Theobald, 1901.—107,120,122,123,151,152,160,166,214,273,305, 676.
- Culex (Melanoconion) erraticus* (Dyar & Knab, 1906).—122,160,166.
- Culex (Melanoconion) inhibitor* Dyar & Knab, 1906.—215,217,273,599,667,694.
- Culex (Melanoconion) iolambdis* Dyar, 1918.—27,157,158,160,166.
- Culex (Melanoconion)*, sp undetermined.—214.
- Culex (Micraedes) antillummagnorum* Dyar, 1928.—3,21,108,109,112,114,125,126,128,130,133, 136,140,162,163,164,168,169,170,171,172,175,176,178,181,182,183,203,205,208,219,229, 336,418,442,630,686,710,715,723,724,725,726,745,780,824,825,954,961,964,995,1054, 1095,1151,1484,1517,1518,1873.
- Deinocerites magnus* (Theobald, 1901).—23,24,25,26,105,153,155,156,158,159,167,261,262,264.
- Dixella* sp.—123.
- Mansonia (Mansonia) flaveola* (Coquillett, 1906).—142,207A.
- Mesodixa* sp.—129,144,177,670,696,697,721,722.
- Orthopodomyia signifera* (Coquillett, 1896).—141,174.
- Psorophora (Grabhamia) jamaicensis* (Theobald, 1901).—14,17,116,117,124,160,581.
- Psorophora (Janthinosoma) johnstonii* (Grabham, 1905).—555.
- Toxorhynchites (Lynchiella) portoricensis* (von Roeder, 1885).—90,138,139,172,174,176,269,270, 271,272,413,1517,1757,1807,1874,1967.
- Uranotaenia cooki* Root, 1937.—159.
- Uranotaenia lowii* Theobald, 1901.—107,122,151,160,166,179,217.
- Uranotaenia socialis* Theobald, 1901.—122,179,317,676.

PR Species Index

Wyeomyia (Wyeomyia) sp 54.—?114,?125,126,?128,130,133,137,140,146,169,170,175,176,181, 182,183,202,219,442,630,?710,?723,725,?824,825,?961,?964.

Wyeomyia (Wyeomyia) sp 55.—168,170,171,181,182.

Wyeomyia (Wyeomyia) sp 56.—?2,3,?4,?108,109,112,?113,114,161,162,163,164,?165.

Wyeomyia (Wyeomyia) sp 57.—172.

CODE: PRA

The collections under the PRA code bear the following printed label, with the handwritten part being indicated within [brackets] ://PR[A collection numbers 1-73]/Puerto Rico/Mosq Mid Am//. The data for these collections as well as some of the material were made available to us by T.H.G. Aitken. We have assigned PRA numbers chronologically even to collections which we have not seen in the hope that they will be found eventually and that the data recorded for them by Aitken will be available. The data for all these collections are exactly as recorded by Aitken, with additions by us enclosed in [brackets]. In case material was available to us the identifications are ours and are given directly. In case we did not see the material the identifications were presumably made by Aitken and this is indicated by enclosure of the name within "quotation marks". In case there is good reason to believe that this identification is not correct, the probable identification made by us is given in [brackets] at the end.

PRA Collection Records

1. El Yunque; 4 Nov 41, T.H.G. Aitken. Biting in shade. "*W. mitchelli* [=*W. (W.)* sp 54 or 56]."
2. [San Juan], Rio Piedras; 14 Nov 41, J. Maldonado Capriles. Ditch. *Cu. (Cu.) nigripalpus*.
3. [San Juan], Martin Pena; 30 Nov 41, T.H.G. Aitken, W.A. Hoffman. Marshy field (some water hyacinth). "*U. sapphirina* [=*U. socialis*]."
4. [San Juan], Martin Pena; 30 Nov 41, T.H.G. Aitken, W.A. Hoffman. Flooded meadow. "*C. inhibitor*."
5. [San Juan], Martin Pena; 30 Nov 41, T.H.G. Aitken, W.A. Hoffman. Biting in open field. "*Ae. sollicitans*."
- 5A. [Aguadilla], Borinquen Field; Dec 41, T.H.G. Aitken. *An. (An.) grabhamii*, *Cu. (Mel.) erraticus*, *Ps. (G.) jamaicensis*.
- 5B. El Yunque, Dec 41, T.H.G. Aitken. *W. (W.)* sp 56.
6. Dorado (air field); 5 Feb 42, T.H.G. Aitken. Margins of reservoir (flotage). "*An. albimanus*."
7. Dorado (air field); 5 Feb 42, T.H.G. Aitken. Sluggish drain (algae). "*U. sapphirina* [=*U. socialis*]."
8. Dorado (air field); 5 Feb 42, T.H.G. Aitken. In tents and hutments (engorged adults). "*Cu. quinquefasciatus*."
9. Dorado (air field); 5 Feb 42, T.H.G. Aitken. Stream sidepools, dense jungle. "*Cu. secutor*."
10. Dorado (air field); 5 Feb 42, T.H.G. Aitken. Biting in dense jungle. "*Ae. nubilis* [*Ae. (O.) nubilis* does not occur in West Indies and the closely related *pertinax* is not otherwise recorded from Puerto Rico; probably = *Ae. tortilis*]."
11. Dorado, near Punta Cerro Gordo; 14 Feb 42, T.H.G. Aitken. Larvae in shaded mangrove swamp; one adult resting on root just above water surface. "*An. grabhamii*."
12. Dorado, Punta Cerro Gordo; 14 Feb 42, T.H.G. Aitken. Swampy seepage areas. "*U.*

PRA Collection Records

sapphirina [= *U. socialis*].”

13. Arecibo; 24 Feb 42, H.D. Pratt. Adults (calf trap). “*An. albimanus*, *An. grabhamii*, *An. vestitipennis*.”

14. Dorado (air field); 24 Feb 42, T.H.G. Aitken. Margins of reservoir (flotage). “*An. albimanus*.”

15. Dorado (air field); 24 Feb 42, T.H.G. Aitken. Dipping vat (rain water). “*An. albimanus*.”

16. Dorado (air field); 24 Feb 42, T.H.G. Aitken, Henderson, Perez. Biting in dense jungle. “*Ae. nubilus* [*Ae. (O.) nubilus* does not occur in West Indies and the closely related *pertinax* is not otherwise recorded from Puerto Rico; probably = *Ae. tortilis*].”

17. [Ponce], Santa Isabel (air field); 27 Feb 42, T.H.G. Aitken, Greenfield. Adult in hutment (3:00 p.m.). “*An. albimanus*.”

18. Arecibo, Cano Tiburones; 5 Mar 42, T.H.G. Aitken. Larvae in crabholes, shady. “*An. grabhamii*, *Cu. secutor*, *Cu. carcinophilus*.”

19. Arecibo, Cano Tiburones; 5 Mar 42, T.H.G. Aitken. Margins of canal (*Myriophyllum* and *Potomegeton*). “*An. albimanus*.”

20. Vieques Is.; 10 Mar 42, T.H.G. Aitken, H.S. Hurlbut, A.A. Weathersbee. Larvae in shaded hill stream. “*An. grabhamii*, *U. sapphirina* [= *U. socialis*].”

21. El Yunque; 27 Mar 42, T.H.G. Aitken. Road puddle. “*Cu. secutor*.”

22. Culebra Is.; 16 Apr 42, I. Fox. Larvae. “*An. albimanus*.”

23. [Ceiba], Cabras Is.; 11 May 42, V.H. Cornell. Stand pipe. *Cu. (Cu.) quinquefasciatus*.

24. [Aguadilla], ?Borinquen Field; 20 May 42, T.H.G. Aitken, Greenfield. Rain barrels. “*U. sapphirina* [= *U. socialis*].”

25. [Aguadilla], Borinquen Field, 21 May 42, T.H.G. Aitken, Greenfield. Edge of muddy rain pond; sun. “*An. albimanus*.”

26. [Aguadilla], Borinquen Field; 21 May 42, T.H.G. Aitken, Greenfield. Sewage effluent; adults everywhere, very annoying. *Cu. (Cu.) quinquefasciatus*.

27. [Aguadilla], Borinquen Field; 21 May 42, T.H.G. Aitken, Greenfield. Low swampy area in palmetto forest. “*Cu. inhibitor*,” *Cu. (Mel.) atratus*.

28. [Aguadilla], Borinquen Field; 21-22 May 42, T.H.G. Aitken. Leaf axils of Maja-like cactus on cliff near the ocean (agave). *Cu. (Micra.) antillumagnorum*.

29. [Aguadilla], Borinquen Field; 21 May 42, T.H.G. Aitken, Greenfield. Temporary rain pools everywhere. *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.

30. Mayaguez, Punta Algarrobo; 22 May 42, T.H.G. Aitken. Semi-shady edge of slow moving stream. “*An. albimanus*, *An. grabhamii*.”

31. [San Juan], Catano, 28 May 42, T.H.G. Aitken, W.A. Hoffman. Animal trap (calf). “*An. grabhamii*, *Ae. sollicitans*.” *Ae. (O.) taeniorhynchus*, *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Mel.) erraticus*, *D. magnus*.

32. San Juan (B.O.Q.); 7 Jun 42, T.H.G. Aitken. In room. “*Ae. taeniorhynchus*.”

33. [San Juan], Rio Piedras; 19 Jun 42. Edge of stream; grass; sun. “*An. albimanus*, *An. grabhamii*.” *Cu. (Mel.) atratus*, *Dixella* sp.

34. [San Juan], Hato Rey; 19 Jun 42, T.H.G. Aitken. Marshy area—ground water. “*An. albimanus*, *An. grabhamii*.”

34A. [Ceiba], Ensenada Honda; 28 Jun 42. Stream. *Cu. (Cu.)* sp.

35. Gurabo; 29 Jun 42, T.H.G. Aitken. Drainage ditch; clear water; p.m.; sun. “*An. albimanus*, *An. grabhamii*, *Cu. nigripalpus*.”

PRA Collection Records

36. San Juan, El Morro; 9 Jul 42, T.H.G. Aitken. Adult caught at night in bathroom. "*M. titillans*."
- 36A. [Ceiba], Ensenada Honda; 12 Jul 42. Stream. *Cu. (Mel.) atratus*.
37. [Ceiba], Ensenada Honda; 22 Jul 42, G.E. Bohart. "*Cu. habilitator*."
38. [Ceiba], Ensenada Honda; 25 Jul 42, G.E. Bohart. "*Cu. bahamensis*."
39. [San Juan], Catano; Jul 42, T.H.G. Aitken, H.D. Pratt. Crabholes (larvae and adults). *D. magnus*.
40. [San Juan], Catano; Jul 42, T.H.G. Aitken, H.D. Pratt. Biting in meadow. "*Ae. sollicitans*."
- 40A. Gurabo; Jul 42, T.H.G. Aitken. "*Cu. nigripalpus*." *Cu. (Cu.)* sp.
41. San Juan, Barrio Cangrejos; 8 Aug 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Adults in Harvey's dairy barns. "*An. albimanus*, *U. sapphirina* [=*U. socialis*]." *An. (N.) albimanus*.
42. San Juan, Barrio Cangrejos; 8 Aug 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Cut-over canefields, canals. "*Cu. inhibitor*."
- 42A. San Juan; 10 Aug 42, T.H.G. Aitken. *Ae. (S.) aegypti*.
43. [Vega Baja], Camp Tortuguero; 12 Aug 42, T.H.G. Aitken, H.D. Pratt. Around lake margin. "*Cu. nigripalpus*." *Cu. (Cu.)* sp.
44. [Vega Baja], Camp Tortuguero; 21 Aug 42, T.H.G. Aitken, H.D. Pratt. Margin of lake and E of camp. "*An. albimanus*." *Ae. (O.) tortilis*.
- 44A. [Vega Baja], Camp Tortuguero; 21 Aug 42, T.H.G. Aitken. *Cu. (Mel.) atratus*, *Cu. (Mel.) erraticus*.
45. [Ceiba], Ensenada Honda; 29 Aug 42, T.H.G. Aitken, G.E. Bohart. Adult biting along roadside (3:00 p.m.). "*Ae. tortilis*."
46. [Ceiba], Ensenada Honda; 29 Aug 42, T.H.G. Aitken, G.E. Bohart. Flamboyant treehole. "*Ae. mediovittatus*."
47. El Yunque; 30 Aug 42, T.H.G. Aitken, G.E. Bohart, H.S. Hurlbut. Treehole. "*Cu. americanus* [=*Cu. (Micrae.) antillumagnorum*], *Tox. portoricensis*, *O. signifera*."
48. El Yunque; 30 Aug 42, T.H.G. Aitken, G.E. Bohart, H.S. Hurlbut. Bamboo. "*Ae. mediovittatus*."
49. El Yunque; 30 Aug 42, T.H.G. Aitken, G.E. Bohart, H.S. Hurlbut. Bromeliads, treehole, bamboo and *Heliconia* sp. *Cu. (Micrae.) antillumagnorum*.
50. El Yunque; 30 Aug 42, T.H.G. Aitken, G.E. Bohart, H.S. Hurlbut. Rock pool, tin can, barrel. *Cu. (Cu.) secutor*.
51. El Yunque; 30 Aug 42, T.H.G. Aitken, G.E. Bohart, H.S. Hurlbut. Larvae in bromeliads; adults biting. "*W. mitchellii* [*W. (W.)* sp 54 or 56]."
52. [Ceiba], Ensenada Honda; Aug 42, G.E. Bohart. Rain puddles. "*Ps. jamaicensis*."
53. San Juan; Aug 42, T.H.G. Aitken. Tin can. "*Ae. (S.) aegypti*."
- 53A. [Ceiba], Ensenada Honda; Aug 42, G.E. Bohart. *Cu. (Cu.) bahamensis*.
54. San Juan, Barrio Cangrejos; 12 Sept 42, T.H.G. Aitken, I. Fox. Harvey's dairy barns (adults). "*Cu. quinquefasciatus*."
55. San Juan, Barrio Cangrejos; 12 Sept 42, T.H.G. Aitken, I. Fox. Crabholes (larvae). "*Cu. nigripalpus*." *Cu. (Cu.) habilitator*.
- 55A. San Juan, Barrio Cangrejos; 12 Sept 42, T.H.G. Aitken. Rain puddle. *Ps. (G.) jamaicensis*.

PRA Collection Records

56. San Juan, Barrio Cangrejos; 12 Sept 42, T.H.G. Aitken, I. Fox. Rain puddles. *Ps. (G.) jamaicensis*.
- 56A. San Juan; 18 Sept 42, T.H.G. Aitken. *Ae. (S.) aegypti*.
57. [Quebradillas], Guajataca Beach; 29 Sept 42, T.H.G. Aitken, A.E. Pritchard. Adults (both sexes—females gravid), resting in rock caves; forested. "*Ae. mediovittatus, Cu. americanus* [=*Cu. (Micra.) antillummagnorum*]."
58. Patillas; 23 Oct 42, T.H.G. Aitken. Flamboyant treehole. "*Ae. mediovittatus*."
59. Cayey, Henry Barracks; 11 Nov 42, T.H.G. Aitken. Meadow rain pools. "*An. albimanus*." *Cu. (Mel.) atratus, U. socialis*.
60. [San Juan], Fort Buchanan; 20 Nov 42, T.H.G. Aitken. Rain puddles. "*Ps. (G.) jamaicensis*."
61. [Ponce], Pastillo, Losey Field; 1 Dec 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Biting in open. "*Ae. sollicitans*."
62. [Ponce], Pastillo, Losey Field; 1 Dec 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Wet pasturelands. *Ae. (O.) taeniorhynchus, Ps. (G.) pygmaea*.
63. [Ponce], Pastillo, Losey Field; 1 Dec 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Adults biting; larvae in grassy flooded meadow. *Cu. (Cu.)* sp, *Cu. (Mel.) atratus, Ae. (O.) taeniorhynchus*.
64. [Ponce], Pastillo, Losey Field; 1 Dec 42, T.H.G. Aitken, H.D. Pratt, A.E. Pritchard. Crab-holes. "*D. cancer* [=*D. magnus*]."
65. [Dorado], Punta Salinas; 9 Dec 42, T.H.G. Aitken. Rain barrels of jibaro houses. "*Ae. aegypti*."
66. [Dorado], Punta Salinas; 9 Dec 42, T.H.G. Aitken. Larvae in coconut grove drain; grassy field. "*An. albimanus, An. grabhamii*."
67. Gurabo, Camp O'Reilly, Tula Creek; 11 Dec 42, T.H.G. Aitken. Grassy margins of creek. "*Ae. albimanus, An. grabhamii*."
68. Gurabo, Camp O'Reilly; 11 Dec 42, T.H.G. Aitken. Bamboo. "*Ae. mediovittatus*."
69. [San Juan], Fort Buchanan; 14 Dec 42, T.H.G. Aitken. *An. (N.) albimanus*.
70. [San Juan], Palo Seco; 20 Dec 42, T.H.G. Aitken. *Ae. (G.) mediovittatus, Ae. (S.) aegypti*.
71. [?Patillas], Barrio Palma; 26 Dec 42, T.H.G. Aitken. *Cu. (Mel.) opisthopus, U. cooki, U. lowii*.
72. Locality not specified; 1942, T.H.G. Aitken. *U. socialis*.
73. [Dorado], Punta Salinas; 1942, T.H.G. Aitken. *Cu. (Cu.) habilitator, Cu. (Cu.) nigripalpus, Cu. (Mel.) atratus*.

PRA Locality Index

AGUADILLA

Borinquen Field.—5A,?24,25,26,27,28,29.

ARECIBO

Arecibo.—13.

Cano Tiburones.—18, 19.

CAYEY

Henry Barracks.—59.

PRA Locality Index

CEIBA

Cabras Is.—23.

Ensenada Honda.—34A,36A,37,38,45,46,52,53A.

CULEBRA ISLAND

Not specified.—22.

GURABO

Camp O'Reilly, Tula Creek.—67,68.

Gurabo.—35,40A.

LUQUILLO FOREST, Sierra de Luquillo

El Yunque.—1,5B,21,47,48,49,50,51.

MAYAGUEZ

Punta Algarrobo.—30.

PATILLAS

*Barrio Palma.*71.

Patillas.—58.

PONCE

*Pastillo, Losey Field.*61,62,73,64.

Santa Isabel (air field).—17.

PUERTO RICO

Locality not specified.—72.

QUEBRADILLAS

Guajataca Beach.—57.

SAN JUAN

Catano.—31,37,40.

Dorado (air field).—6,7,8,9,10,14,15,16.

Fort Buchanan.—60,69.

Palo Seco.—70.

Punta Cerro Gordo.—11,12.

*Punta Salinas.*65,66,73.

San Juan. Barrio Cangrejos.—41,42,54,55,55A,56. *El Morro.*—36. *Hato Rey.*—34. *Martin Pena.*—3,4,5. *Rio Piedras.*—2,33. *Not specified.*—32,42A,53,56A.

VEGA BAJA

Camp Tortuguero.—43,44,44A.

VIEQUES ISLAND

Not specified.—20.

**PRA Species Index
Confirmed Identifications**

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—48,70.
Aedes (Ochlerotatus) taeniorhynchus (Wiedemann, 1821).—31,62,63.
Aedes (Ochlerotatus) tortilis (Theobald, 1903).—44.
Aedes (Stegomyia) aegypti (Linnaeus, 1762).—42A,56A,70.
Anopheles (Anopheles) grabhamii Theobald, 1901.—5A,41.
Anopheles (Nyssorhynchus) albimanus Wiedemann, 1820.—31,69.
Culex (Culex) bahamensis Dyar and Knab, 1906.—53A.
Culex (Culex) habilitator Dyar and Knab, 1906.—55,73.
Culex (Culex) nigripalpus Theobald, 1901.—2,31,73.
Culex (Culex) quinquefasciatus Say, 1823.—23,26,31.
Culex (Culex) secutor Theobald, 1901.—50.
Culex (Culex), sp. undetermined.—34A,40A,43,63.
Culex (Melanoconion) atratus Theobald, 1901.—27,33,36A,44A,59,63,73.
Culex (Melanoconion) erraticus (Dyar and Knab, 1906).—5A,31,44A.
Culex (Melanoconion) opisthopus Komp, 1926.—71.
Culex (Micraedes) antillumagnorum Dyar, 1928.—28,49.
Deinocerites magnus (Theobald, 1901).—31,39.
Dixella sp.—33.
Psorophora (Grabhamia) jamaicensis (Theobald, 1901).—5A,29,55A,56.
Psorophora (Grabhamia) pygmaea (Theobald, 1903).—29,62.
Uranotaenia cooki Root, 1937.—71.
Uranotaenia lowii Theobald, 1901.—71.
Uranotaenia socialis Theobald, 1901.—59,72.
Wyeomyia (Wyeomyia) sp 56.—5B.

**PRA Species Index
Unconfirmed Identifications by T.H.G. Aitken**

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—46,57,58,68.
Aedes (Ochlerotatus) sollicitans (Walker, 1856).—5,31,40,61.
Aedes (Ochlerotatus) taeniorhynchus (Wiedemann, 1821).—32.
Aedes (Ochlerotatus) tortilis (Theobald, 1903), ?in part as "*nubilus*."—10,16,45.
Aedes (Stegomyia) aegypti (Linnaeus, 1762).—53,65.
Anopheles (Anopheles) grabhamii Theobald, 1901.—11,13,18,20,30,31,33,34,35,66,67.
Anopheles (Anopheles) vestitipennis Dyar and Knab, 1906.—13.
Anopheles (Nyssorhynchus) albimanus Wiedemann, 1820.—6,13,14,15,17,19,22,25,30,33,34,35,
41,44,59,66,67.
Culex (Culex) bahamensis Dyar and Knab, 1906.—38.
Culex (Culex) habilitator Dyar and Knab, 1906.—37.
Culex (Culex) nigripalpus Theobald, 1901.—35,40A,43,55.
Culex (Culex) quinquefasciatus Say, 1823.—8,54.
Culex (Culex) secutor Theobald, 1901.—9,18,21.
Culex (Melanoconion) carcinophilus Dyar and Knab, 1906.—18.
Culex (Melanoconion) inhibitor Dyar and Knab, 1906.—4,27,42.

PRA Species Index
Unconfirmed Identifications by T.H.G. Aitken

- Culex (Micraedes) antillummagnorum* Dyar, 1928, as *americanus*.—47,57.
Deinocerites magnus (Theobald, 1901), as *cancer*.—64.
Mansonia (Mansonia) titillans (Walker, 1848).—36.
Orthopodomyia signifera (Coquillett, 1896).—47.
Psorophora (Grabhamia) jamaicensis (Theobald, 1901).—52,60.
Toxorhynchites (Lynchiella) portoricensis (Roeder, 1885).—47.
Uranotaenia socialis Theobald, 1901, as *sapphirina*.—3,7,12,20,24,41.
Wyeomyia (Wyeomyia) sp 54 or 56, as "*mitchellii*."—1,51.

CODE: PRX

Included under code PRX are poorly labelled collections from Johns Hopkins University (HOPK), probably accumulated by F. M. Root, and from USNM, accumulated by W.H.W. Komp (KOMP). We are listing these here with the meager data available and our identifications. This material is now provided with the following printed labels with the handwritten part being indicated within [brackets]: //PR[X collection numbers 1-25]/Puerto Rico/Mosq Mid Am//.

1. Puerto Rico; 38 (HOPK). *Cu. (Cu.) nigripalpus*.
2. Puerto Rico (HOPK). *Cu. (Cu.) quinquefasciatus*.
3. Puerto Rico (HOPK). *Cu. (Cu.) sp*.
- 4-12. Not assigned.
13. Puerto Rico; miscellaneous males for terminalia mounts, *Aedes*, etc., H.D. Pratt (KOMP). *Ae. (O.) taeniorhynchus*, *An. (An.) grabhamii*, *An. (N.) albimanus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) sp*, *Cu. (Mel.) atratus*, *Ps. (G.) sp*, *U. lowii*.
14. Puerto Rico; 91; *Culex leprincei* (HOPK). *Cu. (Mel.) erraticus*, *Cu. (Mel.) sp*.
15. Puerto Rico; 119 (HOPK). *Cu. (Mel.) erraticus*, *Cu. (Mel.) sp*.
16. Puerto Rico; 126 (HOPK). *Cu. (Mel.) erraticus*.
17. Puerto Rico; 85 (HOPK). *Cu. (Mel.) erraticus*.
18. Puerto Rico; 20 (HOPK). *Cu. (Mel.) erraticus*.
19. Puerto Rico; 47 (HOPK). *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) erraticus*.
20. Puerto Rico; 129 (HOPK). *Cu. (Cu.) ?nigripalpus*.
21. Pueblo Viejo; Feb 36 (KOMP). *An. (An.) grabhamii*.
22. Not assigned.
23. Estero; Nov 43, H.D. Pratt (KOMP). *Uranotaenia sp*.
24. Puerto Rico; animal bait trap; 14-18 Mar 44; *Culex (Melanoconion)* (KOMP). *Cu. (Mel.) erraticus*.
25. Humacao; Oct 45; *U. cooki*, 1 male (KOMP). *U. cooki*.

VIRGIN ISLANDS
Codes VI, VIA

The collections from the Virgin Islands available for the project are identified by printed labels with 2 different codes: VI, for collections made especially for the project in 1965 by David D. Bonnet, in 1966 by Robert D. Walsh, Jr. and in 1969 by Melvin M. Boreham; and VIA, for a few collections made in 1942 by T.H.G. Aitken and A.A. Weathersbee. The 2 codes are treated sep-

VIRGIN ISLANDS

arately below but only code VI is provided with a Locality Index and a Species Index. In the location of a collection we have used the island (St. Croix, St. John and St. Thomas) as the primary political subdivision. The Universal Transverse Mercator Grid coordinates were determined for St. Thomas from map series E836, scale 1:25,000; and for St. Croix and St. John from map of West Indies 1:250,000 series E502, sheet NE20-5. They are given to the nearest 100 or 1,000 meters, depending on the accuracy of the available information and the scale of the map.

We are greatly indebted to D.D. Bonnet, M.M. Boreham and R.D. Walsh, Jr. for the field work in the Virgin Islands and to T.H.G. Aitken for making available to us the 1942 collections and the data accompanying them.

VI Collection Records

The bulk of the material from the Virgin Islands available to the project is identified by the following printed label: //VI [handwritten number for collections 1-29]/Virgin Islands 65 or changed to 6[6] or 6[9]/Mosq Mid Amer//. Collections 1,2,5-7 were made by D.D. Bonnet (D) on all 3 islands from 30 Nov to 7 Dec 1965; collections 8-16 by R.D. Walsh, Jr. (S) on St. Croix from 5 Jul to 5 Dec 1966; and collections 21-29 by M.M. Boreham (V) on St. Thomas from 28 Feb to 4 Mar 1969.

1. St. Thomas, Charlotte Amalie (KR958292), 10 m; 30 Nov 65, D. Large artificial container (55 gal drum) in domestic area; partial shade. *Ae. (S.) aegypti*.
2. St. Thomas, Nadir, near abattoir (LR014265), 5 m; 30 Nov 65, D. Pools in intermittent stream in forest; water temporary, fresh; deep shade. Also adults biting-landing on human in shade at 1500. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *An. (An.) grabhamii*, *Cu. (Cu.) habilitator*.
- 3-4. Not used.
5. St. Thomas, Nazareth, on N side of head of Vessup Bay (LR040269), near sea level; 30 Nov 65, D. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *Ps. (J.) johnstonii*.
6. St. John, American Hill, Leinster Bay (LR1531), near sea level; 3 Dec 65, D. Large ground pool in saltmarsh-grazing area; water semipermanent, brackish; algae abundant; bottom of mud and sand. *Ae. (O.) taeniorhynchus*, *An. (An.) grabhamii*, *An. (N.) albimanus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) quinquefasciatus*.
7. St. Croix, Christiansted, Peter's Rest (LQ1561), 50 m; 7 Dec 65, D. Large artificial container (refrigerator) in domestic area; some algae; partial shade. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*.
8. St. Croix, Christiansted, 21 Market St (LQ1862), 20 m; 5 Jul 66, S. Small artificial container (quart can). *Cu. (Cu.) quinquefasciatus*.
9. St. Croix, Frederiksted, 48 Prince St (LQ0059), 15 Jul 66, S. Large artificial container (5 gal bucket). *Cu. (Cu.) quinquefasciatus*.
10. St. Croix, Christiansted, 14 Queens Cross St (LQ1962), 20 m; 28 Jul 66, S. Large artificial container (55 gal drum). *Ae. (S.) aegypti*.
11. St. Croix, Christiansted, Work and Rest (LQ1760), 100 m; 11 Oct 66, S. Large artificial container (55 gal barrel). *Cu. (Cu.) quinquefasciatus*.
12. St. Croix, Frederiksted, Caledonia (LQ0165), 100 m; 26 Oct 66, S. Dam spillway. *An. (N.) albimanus*.
13. St. Croix, Christiansted, Cane Bay (LQ0766), near sea level; 5 Nov 66, S. Crabhole (9" diameter); bottom of clay. *Cu. (Cu.) bahamensis*.
14. St. Croix, Christiansted, Hartman, Great Salt Pond (LQ2460), near sea level; 21 Nov 66, S. Rockholes ("water-filled crevices"). *Ae. (O.) taeniorhynchus*.

VI Collection Records

15. St. Croix, Christiansted, Cane Bay (LQ0766), near sea level; 26 Nov 66, S. Ground pool; water temporary. *An. (An.) grabhamii*.

16. St. Croix, Christiansted, Sally's Fancy (LQ2361), 20 m; 5 Dec 66, S. Small artificial container (tin can). *Ae. (G.) mediovittatus*.

17-20. Not used.

21. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 28 Feb-1 Mar 69, V. Miniature light trap hung from limb of tree at edge of coconut grove near mangroves; 2 m above ground; 1700 (28 Feb)-1000 (1 Mar); high winds and almost 7 in of rain; partial shade. *Cu. (Cu.) quinquefasciatus*.

22. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 3 Mar 69, V. Adults biting-landing on man and resting on vegetation in coconut grove near mangroves; 0.5-2 m above ground; at 0200-0230. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) quinquefasciatus*, *D. magnus*.

23. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 3 Mar 69, V. Adults aspirated from 6 crabholes (3"-6" diameter) in coconut grove near mangroves; at 0830; partial shade. No mosquitoes.

24. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 2-3 Mar 69, V. Miniature light trap hung from limb of tree at edge of coconut grove near mangroves; 2 m above ground; at 1900-0830; partial shade. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) quinquefasciatus*.

25. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 4 Mar 69, V. Adults aspirated while swarming over large crabhole (same as VI 26) in coconut grove near mangroves; 6"-10" above ground; at 0645; partial shade. *Cu. (Cu.) quinquefasciatus*, *D. magnus*.

26. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 4 Mar 69, V. Large crabhole in coconut grove near mangroves; no vegetation; bottom of mud; partial shade. *D. magnus*.

27. St. Thomas, Mariendal, Red Hook Rd, about 1.5 km N of Bolongo Bay turnoff (LR0027), 15 m; 4 Mar 69, V. 2 epiphytic medium-sized bromeliads (leaves about 18" long) near stream; partial shade. *Cu. (Micra.) antillumagnorum*.

28. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 4 Mar 69, V. Adults aspirated from dead vegetation in coconut grove near small pond and mangroves; at 0600; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Mel.) atratus*.

29. St. Thomas, Nadir, coconut grove near abattoir (LR0126), near sea level; 4 Mar 69, V. Adults biting-landing on man in coconut grove near mangroves; 0.5-2 m above ground; at 0630; partial shade. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) quinquefasciatus*, *D. magnus*.

VI Locality Index

ST. CROIX

Caledonia (LQ0165), 100 m.-12.

Cane Bay (LQ0766), near sea level.-13,15.

Christiansted (LQ1862,1962), 20 m.-8,10.

Frederiksted (LQ0059), 10 m.-9.

Hartman (LQ2460), near sea level. Great Salt Pond.-14.

Peter's Rest (LQ1561), 50 m.-7.

Sally's Fancy (LQ2361), 20 m.-16.

Work and Rest (LQ1760), 100 m.-11.

VI Locality Index

ST. JOHN

Leinster Bay (LR1531), near sea level.—6.

St. THOMAS

Charlotte Amalie (KR958292), 10 m.—1.

Mariendal (LR0027), 15 m. Red Hook Rd, about 1.5 km N of Bolongo Bay turnoff.—27.

Nadir (LR0126), near sea level. Near the abattoir.—2,21,22,23,24,25,26,28,29.

Nazareth (LR040269), near sea level. On N side of head of Vessup Bay.—5.

VI Species Index

Aedes (Gymnometopa) mediovittatus (Coquillett, 1906).—16.

Aedes (Ochlerotatus) taeniorhynchus (Wiedemann, 1821).—2,5,6,14,22,24,29.

Aedes (Ochlerotatus) tortilis (Theobald, 1903).—2,5.

Aedes (Stegomyia) aegypti (Linnaeus, 1762).—1,7,10.

Anopheles (Anopheles) grabhamii Theobald, 1901.—2,6,15.

Anopheles (Nyssorhynchus) albimanus Wiedemann, 1820.—6,12.

Culex (Culex) bahamensis Dyar and Knab, 1906.—6,13,24.

Culex (Culex) habilitator Dyar and Knab, 1906.—2.

Culex (Culex) quinquefasciatus Say, 1823.—6,7,8,9,11,21,22,24,25,28,29.

Culex (Melanoconion) atratus Theobald, 1901.—28.

Culex (Micraedes) antillumagnorum Dyar, 1928.—27.

Deinocerites magnus (Theobald, 1901).—22,25,26,29.

Psorophora (Janthinosoma) johnstoni (Grabham, 1905).—5.

VIA Collection Records

Material from collections under the VIA code bears the same printed label as for code VI except for the following handwritten modifications: A following the printed VI and the year changed to 42 (instead of 65).

1. St. Thomas, Bourne Field, Botanical Garden; 28 Oct 42, T.H.G. Aitken, A.A. Weathersbee. *Cu. (Cu.) habilitator*.
2. St. Thomas, Dorothea (KR925306), 250 m; 30 Oct 42, T.H.G. Aitken. *Cu. (Cu.)* sp.
3. St. John, Caneel Bay (LR1028); 1 Nov 42, T.H.G. Aitken, A.A. Weathersbee. *Cu. (Cu.) habilitator*.