

## Collection Records of the Project "Mosquitoes of Middle America"

3. Bahama Is. (BAH), Cayman Is. (CAY), Cuba (CUB),  
Haiti (HAC, HAR, HAT) and Lesser Antilles (LAR)<sup>1</sup>John N. Belkin and Sandra J. Heinemann<sup>2</sup>

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 of presentation in this publication is indicated below. The second publication of the series (Belkin and Heinemann, 1975) recorded data on collections from Puerto Rico (PR, PRA, PRX) and Virgin Is. (VI, VIA).

BAHAMA ISLANDS  
Code BAH

The collections from the Bahama Islands available to the project are identified by 1 of the following 2 printed labels: //BAH [handwritten 1]/Bahamas 65-66/Mosq Mid Amer// for specimens from a laboratory colony established by A. S. Spielman (S) to whom we are greatly indebted, and //BAH [handwritten 2-66]/Bahamas 7[2]/Mosq Mid Amer//for collections made especially for the project in June, July and August 1972 by J. N. Belkin (B), Steven J. Chew (C) or Thomas E. Rogers (R).

In the location of a collection we have used the island as the primary political subdivision. The Universal Transverse Mercator Grid coordinates were determined from maps of Bahama Islands 1:50,000 series E712 for Eleuthera and Grand Bahama, 1:250,000 series 1501 and local tourist maps for New Providence and are given to the nearest 100 or 1,000 meters, depending on the accuracy of the available information and maps. All collections were made near sea level.

## BAH Collection Records

1. Grand Bahama, Freeport City, Hunters Settlement (QV2632); Nov 64, S. Laboratory colony originally collected from artificial container (tire). *Ae. (How.) bahamensis*.
2. New Providence, Clifton, Carmichael Rd about 1.6 km E of Clifton Pier (TC4467); 28 Jun 72, B. 3 small crabholes in partially cleared depression between beach and road; water clear, fresh; no vegetation, flottage present; bottom with mud and dead plant matter. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) nigripalpus*, *D. cancer*.
3. New Providence, Lake Cunningham, just off John F. Kennedy Drive (TC5673); 29 Jun 72, B. Small ground pool (road rut) at edge of lake in clearing; water temporary, clear, stagnant, fresh;

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some grassy and herbaceous vegetation; bottom with mud and dead plant matter; full sun. *An. (N.) albimanus*.

4. New Providence, trail from Lake Cunningham to top of ridge separating it from Lake Killarney (TC5673); 29 Jun 72, B. Adult biting-landing along trail; deep shade. *Ps. (J.) ferox*.

5. New Providence, Gambier, The Caves (TC5274); 26 Jul 72, C. Seepage rockhole (75 cm wide, 12 cm deep) at entrance to cave; water semipermanent, clear; flottage present; bottom with some algae; deep shade. *Ae. (How.) bahamensis*, *Cu. (Cu.) sphinx*, *Sayomyia* sp.

6. New Providence, Gambier, intersection of road S of Gambier and Windsor Field Rd (TC5073); 26 Jul 72, CR. Pond; water semipermanent, clear; abundant flottage present; bottom with mud and dead plant matter; full sun. *Cor.* sp 30, *Cu. (Mel.) atratus*, *Cu. (Mel.) pilosus*.

7. New Providence, entrance to Lyford Cay (TC4370); 26 Jul 72, CR. Large ground pool near road in domestic area; water semipermanent, clear, fresh; grassy vegetation present; full sun. *Cu. (Mel.) pilosus*, *Ps. (G.) columbiae*.

8. New Providence, Clifton, near South West Bay Pier (TC4467); 26 Jul 72, CR. Large ground pool; water semipermanent, clear, light brown; some flottage present; bottom of rock with dead plant matter; partial shade. *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) pilosus*.

9. New Providence, Clifton, near South West Bay Pier (TC4467); 26 Jul 72, C. Small ground pool; water temporary, clear, light brown; abundant dead plant matter on surface and bottom; full sun. *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) pilosus*.

10. New Providence, Clifton, near South West Bay Pier (TC4467); 26 Jul 72, R. Small artificial container (tin can) near seashore; partial shade. *Cu. (Cu.) scimitar*, *Cu. (Mel.) mulrennani*.

11. New Providence, Clifton, near South West Bay Pier (TC4467); 26 Jul 72, R. Coral rockhole just above high tide mark; water temporary, clear; no vegetation; bottom with dead plant matter; partial shade. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) scimitar*, *Cu. (Mel.) pilosus*.

12. New Providence, Adelaide, about 1.6 km E of Adelaide on Carmichael Rd (TC5067); 26 Jul 72, CR. Coral rockhole (1.5 m wide, 1 m deep); bottom with mud and dead plant matter. *C. (Mel.) mulrennani*.

13. New Providence, Winton, Yamacraw Beach (TC7169); 26 Jul 72, R. Small artificial container (pot); water clear; bottom with dead plant matter; partial shade. *Ae. (How.) bahamensis*.

14. New Providence, Winton, Yamacraw Beach (TC7169); 26 Jul 72, R. Large artificial container (tire); water clear; partial shade. *Ae. (How.) bahamensis*, *Ae. (O.) taeniorhynchus*.

15. New Providence, Nassau, Nassau Exotic Gardens, about 0.5 km off road before entrance; 27 Jul 72, C. Small ground pool; water temporary, clear, light brown, fresh; sawgrass abundant; bottom with mud and dead plant matter; full sun. *Ae. (How.) bahamensis*, *Cu. (Mel.) pilosus*, *Ps. (G.) columbiae*.

16. New Providence, S of Lake Cunningham (TC5673); 27 Jul 72, R. Large treehole (about 0.5 gal) in gumbo-limbo tree (*Bursera*); water light brown; partial shade. *Cor. appendiculata*, *Cu. (Cu.) sphinx*.

17. New Providence, S of Lake Cunningham (TC5673); 27 Jul 72, C. Epiphytic bromeliad (*Tillandsia utriculata*); partial shade. *Cor.* sp 31, *Cu. (Micra.) antillummagnorum*.

18. New Providence, Winton, Yamacraw Beach (TC7169); 27 Jul 72, CR. Large ground pool; water semipermanent, clear, light brown; abundant grassy vegetation; bottom with dead plant matter; full sun. *Ae. (O.) taeniorhynchus*, *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*.

19. New Providence, Winton, Yamacraw Beach (TC7169); 27 Jul 72, CR. Large crabhole;

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water turbid, brown; no vegetation, flotage present; bottom with mud and dead plant matter; deep shade. *Ae. (How.) bahamensis*, *Cu. (Cu.) scimitar*, *D. cancer*.

20. New Providence, S of Lake Cunningham (TC5673); 28 Jul 72, C. Small treehole; water turbid, brown; deep shade. *Cor. longitubus*.

21. New Providence, S of Lake Cunningham (TC5673); 28 Jul 72, R. Adults biting-landing on dry hillside; at 1700; partial shade. *Ae. (O.) ?Serratus* Group, *Ps. (J.) ferox*.

22. New Providence, Seven Hills, South Beach next to park area (TC6266); 29 Jul 72, R. Large crabhole near seashore; water clear; no vegetation; bottom with sand and crab feces; partial shade. *Ae. (O.) taeniorhynchus*, *D. cancer*.

23. New Providence, Seven Hills, South Beach 0.4 km from park area (TC6266); 29 Jul 72, R. Large artificial container (hub cap); water grayish, foul; no vegetation; bottom with dead leaves; partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) scimitar*.

24. New Providence, Blue Hill Estates, S of Harold Pond (TC6070); 29 Jul 72, R. Large ground pool in clearing near road; water semipermanent, clear; algal and grassy vegetation abundant; full sun. *Cu. (Mel.) atratus*, *Cu. (Mel.) pilosus*.

25. New Providence, Blue Hill Estates, S of Harold Pond (TC6070); 29 Jul 72, R. Coral rock-hole near shore of lake and near road; water temporary, clear; some algae present; partial shade. *Cu. (Mel.) mulrennani*.

26. New Providence, Blue Hill Estates, S of Harold Pond (TC6070); 29 Jul 72, R. Coral rock-hole near shore of lake and near road; water temporary, clear; some algae on sides of rocks; partial shade. *Cu. (Mel.) mulrennani*.

27. New Providence, Adelaide, Beach Rd (TC4867); 29 Jul 72, CR. Large ground pool in road near brackish pond; water temporary, clear; no vegetation; bottom with mud; full sun. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) nigripalpus*, *Ps. (G.) pygmaea*.

28. New Providence, Adelaide, Beach Rd (TC4867); 29 Jul 72, R. Large crabhole near road; partial shade. *Ae. (How.) bahamensis*, *D. cancer*.

29. New Providence, Winton, Yamacraw Beach (TC7169); 30 Jul 72, R. Small crabhole; water semipermanent; no vegetation; bottom with dead plant matter and crab feces; partial shade. *Ae. (How.) bahamensis*, *D. cancer*.

30. New Providence, Adelaide, about 1.6 km W of Adelaide on Carmichael Rd (TC4767); 30 Jul 72, R. Small ground pool in clearing near road; water temporary, clear, fresh; algae abundant; full sun. No specimens.

31. New Providence, Clifton, South West Bay Pier (TC4467); 30 Jul 72, R. Large crabhole; water semipermanent, clear. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) scimitar*.

32. New Providence, W end of Lake Cunningham (TC5574); 31 Jul 72, R. Epiphytic bromeliads (*Tillandsia fasciculata*) on mangroves and on trees on higher ground; water colored brown; partial shade. *Cu. (Micra.) antillumagnorum*.

33. New Providence, Clifton, near abandoned house just E of Clifton Power Station (TC4367); 1 Aug 72, R. Coral rockhole (30 cm wide) near seashore; algae present; bottom with dead leaves; full sun. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Ps. (G.) pygmaea*.

34. New Providence, Clifton, near abandoned house just E of Clifton Power Station (TC4367); 1 Aug 72, R. Coral rockhole near seashore; water clear; algae present; bottom with leaves; full sun. *Cu. (Cu.) nigripalpus*.

35. New Providence, W end of Lake Cunningham (TC5574); 1 Aug 72, R. Small ground pool in clearing near road; algae present; bottom with leaves; full sun. *Cu. (Cu.) nigripalpus*.

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36. New Providence, W end of Lake Cunningham (TC5574); 1 Aug 72, R. Ditch in clearing near road; water temporary, clear; algae present; bottom with leaves; full sun. *Cu. (Cu.) nigripalpus*.
37. New Providence, Winton, Yamacraw Beach (TC7169); 2 Aug 72, R. Large artificial container (tire); water temporary, clear, fresh; bottom with leaves; partial shade. *Ae. (How.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) scimitar*.
38. New Providence, Winton, Yamacraw Beach (TC7169); 2 Aug 72, C. Several large crabholes in a depression; partial shade. *Ae. (How.) bahamensis*, *D. cancer*.
39. New Providence, Clifton, near US Naval Monument (TC4467); 3 Aug 72, R. Coral rock-hole (1 m wide, 10 cm deep) near seashore; water temporary, clear; algae present; bottom with leaves; full sun. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) scimitar*.
40. New Providence, W end of Lake Cunningham (TC5574); 3-4 Aug 72, CR. CDC light trap 50 m from W shore of lake near mangroves and ground pools; 2 m above ground; at 2300-0900; partial shade. *Ae. (O.) ?Serratus Group*, *Ae. (O.) taeniorhynchus*, *An. (An.) crucians*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *Cu. (Mel.) opisthopus*, *Cu. (Mel.) pilosus*, *D. cancer*, *U. lowii*.
41. Eleuthera, Governors Harbor, near Governors Harbor Airport (UC6696); 4 Aug 72, R. Large artificial container (tire); partial shade. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) scimitar*.
42. Eleuthera, Governors Harbor, midway around harbor (UC744875); 4 Aug 72, R. Coral rockhole (20 cm wide, 12 cm deep) near seashore; water colored brown, foul; bottom with animal feces. *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) sphinx*.
43. New Providence, Blue Hill Estates, W of Harold Pond (TC5971); 5 Aug 72, R. Small artificial container (tin can) near road; water temporary, clear; bottom with leaves; full sun. *Ae. (How.) bahamensis*.
44. New Providence, Blue Hill Estates, W of Harold Pond (TC5971); 5 Aug 72, R. Large artificial container (tire) near road; water temporary, clear; bottom with leaves; full sun. *Ae. (How.) bahamensis*.
45. New Providence, Blue Hill Estates, Harold Pond (TC5971?); 5 Aug 72, R. Coral rockholes (12-25 cm wide, 30 cm deep) near shore of lake; algae present; full sun. *An. (An.) crucians*, *Cu. (Mel.) mulrennani*.
46. New Providence, Blue Hill Estates, just S of Harold Pond (TC6070); 5 Aug 72, R. Small ground pool in clearing; water temporary, clear; abundant grassy and algal vegetation; full sun. *An. (N.) albimanus*, *Cu. (Mel.) atratus*.
47. New Providence, Clifton, between Clifton and South West Bay Pier (TC4367); 5 Aug 72, R. Epiphytic bromeliad (*Tillandsia utriculata*) about 200 m from seashore; full sun. *Cu. (Micra.) antillumagnorum*.
48. New Providence, Winton, Yamacraw Beach (TC7169); 5 Aug 72, R. Adults biting-landing in scrub brush opposite beach; at 1600; partial shade. *Ae. (O.) tortilis*.
49. New Providence, Winton, Yamacraw Beach (TC7169); 6 Aug 72, R. CDC light trap near old road in scrub brush near beach, crabholes abundant. *D. cancer*.
50. New Providence, just S of Lake Cunningham (TC5673); 6 Aug 72, R. Coral rockhole (5 cm wide, 8 cm deep); water clear; bottom with leaves; partial shade. *Cor. longitubus*, *Cu. (Cu.) sphinx*.
51. New Providence, just S of Lake Cunningham (TC5673); 6 Aug 72, R. Epiphytic bromeliad (*Tillandsia utriculata*). *Cu. (Micra.) antillumagnorum*.
52. New Providence, Winton, Yamacraw Beach (TC7169); 7 Aug 72, R. Adult biting-landing

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in scrub brush along old dirt road; at 1500. *Ae. (How.) bahamensis*.

53. New Providence, just S of Lake Cunningham (TC5673); 9-10 Aug 72, R. CDC light trap in weeds on hillside; overnight. *Cor. sp.*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *Cu. (Mel.) opisthopus*, *Cu. (Mel.) pilosus*.

54. New Providence, NW of Lake Cunningham (TC5574); 10 Aug 72, R. Epiphytic bromeliad (*Tillandsia fasciculata*); partial shade. *Cu. (Micra.) antillumagnorum*.

55. New Providence, W of Nassau International Airport near Golden Isle Farm (TC4871?); 10 Aug 72, R. Large artificial container (tire) in clearing near road; no vegetation; bottom with mud; full sun. *Cu. (Cu.) nigripalpus*.

56. New Providence, just S of Lake Cunningham (TC5673); 11 Aug 72, R. Several small coral rockholes; partial shade. *Cor. longitubus*, *Cu. (Cu.) scimitar*, *Cu. (Cu.) sphinx*.

57. New Providence, just S of Lake Cunningham (TC5673); 11 Aug 72, R. Large treehole; water tea-colored; partial shade. *Cu. (Cu.) sphinx*.

58. New Providence, Lyford Cay, about 0.2 km N of Lyford Cay (TC4370); 13 Aug 72, R. Large artificial container (tire); water temporary, clear; bottom with leaves; partial shade. *Ae. (How.) bahamensis*, *Cu. (Cu.) scimitar*.

59. New Providence, Lyford Cay, about 0.2 km N of Lyford Cay (TC4370); 13 Aug 72, R. Epiphytic bromeliad (*Tillandsia fasciculata*); partial shade. *Cu. (Micra.) antillumagnorum*.

60. New Providence, Lyford Cay, about 0.2 km N of Lyford Cay (TC4370); 13 Aug 72, R. Large artificial container (plastic bucket); water temporary, clear; algae present; bottom with leaves; partial shade. *Ae. (How.) bahamensis*.

61. New Providence, Lyford Cay, about 0.3 km N of Lyford Cay (TC4370); 13 Aug 72, R. Large artificial container (paint can); water temporary, clear; bottom with leaves. *Cu. (Cu.) scimitar*.

62. New Providence, Clifton, E side of South Bay Golf Club; 13 Aug 72, R. Epiphytic bromeliad (*Tillandsia utriculata*); partial shade. *Cu. (Micra.) antillumagnorum*.

63. New Providence, Clifton, near South Bay Golf Club; 14 Aug 72, R. Coral rockhole (30x120 cm, 15 cm deep) 6 m from seashore; water temporary, clear; some algae present; full sun. *Cu. (Cu.) bahamensis*.

64. New Providence, W end of Lake Cunningham (TC5574); 9 Aug 72, R. Debris from small dried-up ground pool in clearing near road; full sun; flooded 28 Sept 72, first instar larvae observed 29 Sept. *Ae. (S.) aegypti*.

65. New Providence, Clifton, near South Bay Golf Club; 14 Aug 72, R. Debris from dry coral rockhole (60x30 cm) near seashore; full sun; flooded 28 Sept 72, first instar larvae observed 29 Sept. *Ae. (O.) taeniorhynchus*.

66. New Providence, S of Lake Cunningham on Gladstone Rd (TC5772); 14 Aug 72, R. Dry bromeliad; flooded 17 Aug 72. No mosquitoes.

## BAH Locality Index

## ELEUTHERA ISLAND

*Governors Harbor* (UC744875). Midway around harbor.—42.

*Governors Harbor Airport* (UC6696). Near airport.—41.

## GRAND BAHAMA ISLAND

*Hunters Settlement* (QV2632).—1.

### BAH Locality Index

#### NEW PROVIDENCE ISLAND

- Adelaide*. Beach Rd (TC4867).—27,28. About 1.6 km E of Adelaide on Carmichael Rd (TC5067).—12. About 1.6 km W of Adelaide on Carmichael Rd (TC4767).—30.
- Clifton* (TC4367,4467). Various localities from Clifton to South West Bay Pier.—2,8,9,10,11,31,33,34,39,47.
- Gambier* (TC5073). Intersection of road S of Gambier and Windsor Field Rd.—6.
- Golden Isle Farm* (TC4871?). W of Nassau International Airport near Golden Isle Farm.—55.
- Harold Pond* (TC5971,6070). Various localities S and W of Harold Pond.—24,25,26,43,44,45,46.
- Lake Cunningham*. Various localities just S of lake (TC5673).—3,4,16,17,20,21,50,51,53,56,57. S of lake on Gladstone Rd (TC5772).—66. Various localities W and NW of lake (TC5574).—32,35,36,40,54,64.
- Lyford Cay* (TC4370). Various localities at entrance to and just N of Lyford Cay.—7,58,59,60,61.
- Nassau Exotic Gardens*. Just before entrance.—15.
- South Bay Golf Club*. Near golf club.—62,63,65.
- South Beach* (TC6266).—22,23.
- The Caves* (TC5274).—5.
- Yamacraw Beach* (TC7169).—13,14,18,19,29,37,38,48,49,52.

### BAH Species Index

- Aedes (Howardina) bahamensis* Berlin, 1969.—1,5,13,14,15,19,28,29,37,38,43,44,52,58,60.
- Aedes (Ochlerotatus) ?Serratus* Group sp.—21,40.
- Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—2,11,14,18,22,27,31,33,39,40,65.
- Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—48.
- Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—64.
- Anopheles (Anopheles) crucians* Wiedemann, 1828.—40,45.
- Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—3,18,46.
- Corethrella appendiculata* Grabham, 1906.—16.
- Corethrella longitubus* Belkin, Heinemann and Page, 1970.—20,50,56.
- Corethrella* sp 30.—6.
- Corethrella* sp 31.—17.
- Corethrella*, sp undetermined.—53.
- Culex (Culex) bahamensis* Dyar and Knab, 1906.—33,39,42,63.
- Culex (Culex) nigripalpus* Theobald, 1901.—2,8,9,11,18,27,31,33,34,35,36,37,39,40,42,53,55.
- Culex (Culex) quinquefasciatus* Say, 1823.—23,41,42.
- Culex (Culex) scimitar* Branch and Seabrook, 1959.—10,11,19,23,31,37,39,41,56,58,61.
- Culex (Culex) sphinx* Howard, Dyar and Knab, 1913.—5,16,42,50,56,57.
- Culex (Melanoconion) atratus* Theobald, 1901.—6,18,24,40,46,53.
- Culex (Melanoconion) mulrennani* Basham, 1948.—10,12,25,26,45.
- Culex (Melanoconion) opisthopus* Komp, 1926.—40,53.
- Culex (Melanoconion) pilosus* (Dyar and Knab, 1906).—6,7,8,9,11,15,24,40,53.
- Culex (Micraedes) antillummagnorum* Dyar, 1928.—17,32,47,51,54,59,62.
- Deinocerites cancer* Theobald, 1901.—2,19,22,28,29,38,40,49.
- Psorophora (Grabhamia) columbiae* Dyar and Knab, 1906.—7,15.

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- Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—27,33.  
*Psorophora (Janthinosoma) ferox* (Humboldt, 1819).—4,21.  
*Sayomyia* sp.—5.  
*Uranotaenia lowii* Theobald, 1901.—40.

CAYMAN ISLANDS  
Code CAY

The collections from the Cayman Islands available to the project are identified by the following printed label: //CAY [handwritten 1-214]/Cayman [handwritten 64,65,66,67,68,70 or 71]/Mosq Mid Amer//. Collections 1-10B were made by E. J. Gerberg (E), 11-18 by M.E.C. Giglioli (G) and staff of MRCU, 101-127 by J. N. Belkin and E. J. Gerberg (B,BE,E) and 201-214 by M. B. Nathan (N) of MRCU. We are greatly indebted to Eugene J. Gerberg of Insect Control and Research, Inc. and Marco E. C. Giglioli of Mosquito Research and Control Unit of Cayman Islands (MRCU) for making available to the project specimens collected by them or under their supervision.

In the location of a collection we have used the island (Grand Cayman or Cayman Brac) as the primary political subdivision. The Universal Transverse Mercator Grid coordinates were determined from maps of Cayman Islands 1:25,000 series E821 and are given to the nearest 100 or 1000 meters, depending on the accuracy of the available information.

## CAY Collection Records

1. Grand Cayman, near sea level; 18 Aug 64, E. Mangrove swamp. *Ae. (O.) taeniorhynchus*.
2. Grand Cayman, West Bay (MM5841 ?), 2 m; 18 Aug 64, E. *An. (N.) albimanus*.
3. Grand Cayman, near sea level; 19 Aug 64, E. Mangrove swamp. *Ae. (O.) taeniorhynchus*.
4. Grand Cayman, near Georgetown (MM6033?), 4 m; 19 Aug 64, E. Artificial container. *Cu. (Cu.) nigripalpus*.
5. Grand Cayman, S end of North Sound, near sea level; 19 Aug 64, E. Mangrove swamp. *Ae. (O.) taeniorhynchus*.
6. Grand Cayman, West Bay (MM5841?), 2 m; 16 Aug 64, E. *Ae. (O.) taeniorhynchus*, *Ps. (G.) pygmaea*.
7. Grand Cayman, near Red Bay (MM6331?), 2 m; 16 Aug 64, E. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*.
8. Grand Cayman, West Bay (MM5841?), 2 m; 17 Aug 64, E. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*, *Ps. (G.) pygmaea*, *Ps. (Ps.) ciliata*.
9. Grand Cayman, near Boddentown (MM7331?), 2 m; 18 Aug 64, E. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*.
10. Grand Cayman, Gun Bay Village, E end of island; 18 Aug 64, E. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*.
- 10A. Grand Cayman; 1965, E. *D. cancer*.
- 10B. Grand Cayman, West Bay (MM5841?), 2 m; 22 Mar 65, E. *Ae. (O.) taeniorhynchus*, *An. (An.) grabhamii*, *An. (N.) albimanus*.
11. Grand Cayman, Hutland, trail to The Mountain S of Hutland (MM7738), 3 m; 13 Aug 66, G. CDC light trap in low secondary scrub on karst soil; at 1.25 m above ground; overnight 1900-0700. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *An. (An.) grabhamii*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) iolambdis*, *Cu. (Mel.) opisthopus*, *C. (Mel.) spp.*, *U. lowii*, *W. (W.) vanduzeei*.

## CAY Collection Records

- 11A, 11B. Grand Cayman; Jul 66, G. General collections. *Ae. (O.) calumnior*, *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *An. (An.) grabhamii*, *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Mel.) opisthopus*, *Cu. (Mel.)* spp, *D. cancer*, *Ps. (G.) columbiae*, *Ps. (G.) pygmaea*, *Ps. (J.) johnstonii*, *Ps. (Ps.) ciliata*, *U. lowii*, *W. (W.) vanduzeei*.
12. Grand Cayman, Georgetown, behind US Meteorological Station (MM6033), 2 m; 13 Aug 66, G. New Jersey light trap in low open grass bordering parkland; at 1 m above ground; overnight. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *An. (An.) grabhamii*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) opisthopus*, *Cu. (Mel.)* sp, *D. cancer*, *U. lowii*.
13. Grand Cayman, Georgetown, pasture W of Owen Roberts Airport (MM6233?), 2 m; 16 Aug 66, G. CDC light trap at edge of grazing area 0.8 km from mangroves on large sound; 1.5 m above ground; overnight; partial shade. *Ae. (O.) taeniorhynchus*, *An. (An.) grabhamii*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.)* sp, *D. cancer*, *U. lowii*.
14. Grand Cayman; 10 Sept 66, G. *C. (Mel.) opisthopus*, *C. (Mel.)* spp.
15. Grand Cayman; 9 Sept 66, G. *Ae. (O.) taeniorhynchus*.
16. Grand Cayman, N side of island; 1967, G. *Cu. (Cu.)* sp.
17. Cayman Brac, Creek (PM2883?), 5 m; 1967, G. *Ae. (G.) mediiovittatus*.
18. Cayman Brac, Creek (PM2883?), 5 m; 1967, G. *Cu. (Cu.) bahamensis*.
- 19-100. Numbers not issued.
101. Grand Cayman, West Bay, Water Ground (MM576425), 2 m; 8 Sept 68, BE. Coral rock-hole at edge of clearing; water clear, fresh; no vegetation; bottom with rock and decaying vegetation; partial shade. *Cu. (Cu.) nigripalpus*.
102. Grand Cayman, West Bay, Water Ground (MM576425), 2 m; 8 Sept 68, BE. Coral rock-hole. *Cor.* sp 20, *Cu. (Cu.) nigripalpus*.
103. Grand Cayman, West Bay, Water Ground (MM576425), 2 m; 8 Sept 68, BE. *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.
104. Grand Cayman, West Bay, Water Ground (MM576425), 2 m; 8 Sept 68, BE. Coral rock-hole. *Cor.* sp 20.
105. Grand Cayman, West Bay, Water Ground (MM576425), 2 m; 8 Sept 68, BE. Ground pool (drain); water semipermanent, turbid, stagnant; no vegetation but some scum; bottom with mud and decaying plant and animal matter. *An. (An.) grabhamii*, *Cu. (Cu.) nigripalpus*.
106. Grand Cayman, Georgetown, Walker Rd 200 m N of intersection with Sound Rd (MM592306), 2 m; 9 Sept 68, BE. Epiphytic bromeliads at edge of clearing; at 0.2-2.0 m above ground; partial shade. *W. (W.) vanduzeei*.
107. Grand Cayman, Georgetown, Walker Rd 200 m N of intersection with Sound Rd (MM592306), 2 m; 9 Sept 68, BE. Bromeliad (*Sanseveria*-like). No mosquitoes.
108. Grand Cayman, Georgetown, Walker Rd 200 m N of intersection with Sound Rd (MM592306), 2 m; 9 Sept 68, BE. Small treehole in "beach plum." No mosquitoes.
109. Grand Cayman, Georgetown, trail N of South West Sound mangrove area, E of Walker Rd (MM598313), 4 m; 9 Sept 68, BE. Large treehole in mango. *Cor. appendiculata*.
110. Grand Cayman, Georgetown, trail N of South West Sound mangrove area, E of Walker Rd (MM598313), 4 m; 9 Sept 68, BE. Adults resting in fissure in coral rock; at 1630; deep to partial shade. *Cor.* sp, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *Cu. (Mel.) mulrennani*, *Cu. (Mel.) opisthopus*.
111. Grand Cayman, Georgetown, trail N of South West Sound mangrove area, E of Walker Rd (MM598313), 4 m; 9 Sept 68, BE. Biting-landing on human; at 1630-1700; deep to partial



## CAY Collection Records

shade. *Ae. (O.) condolenscens*, *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *U. lowii*, *W. (W.) vanduzeei*.

112. Grand Cayman, Savannah Village, Airport Quarry W of Spots (MM656311), 4 m; 10 Sept 68, BE. Large ground pool in clearing; water temporary, clear, stagnant, fresh; no vegetation except for algae on bottom; bottom with mud and coral sand; full sun. *Ps. (G.) columbiae*, *Ps. (G.) pygmaea*.

113. Grand Cayman, Savannah Village, Airport Quarry W of Spots (MM656311), 4 m; 10 Sept 68, BE. Small ground pool (depth to 15 cm); water temporary, clear, stagnant, fresh; vegetation abundant (dense growth of short sedges almost filling pool) with algae on bottom; bottom with mud and sand. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*, *Ps. (G.) columbiae*, *Ps. (G.) pygmaea*.

114. Grand Cayman, Savannah Village, Airport Quarry W of Spots (MM656311), 4 m; 10 Sept 68, BE. Large ground pool (depth to 30 cm); water hot, temporary, clear, stagnant, fresh; no vegetation except for some algae on bottom; bottom with mud and sand. *Ps. (G.) pygmaea*.

115. Grand Cayman, Savannah Village, 100 m N of main road on road to Newland Village (MM686310), 3 m; 11 Sept 68, BE. Pond (coral sink, 6 m diam.) at edge of grazing area; water semipermanent, turbid, stagnant, fresh; grassy, herbaceous and algal vegetation abundant; bottom with mud; full sun. *Cu. (Mel.) atratus*.

116. Grand Cayman, Savannah Village, 100 m N of main road on road to Newland Village (MM686310), 3 m; 11 Sept 68, BE. Adults resting at edge of sink under coral ledges and on base of tree stump. *Cu. (Mel.)* sp, *U. lowii*.

117. Grand Cayman, N of Newland Village (MM682325), 3 m; 11 Sept 68, BE. Small ground pool (road rut); no vegetation. *Ps. (G.) columbiae*, *Ps. (G.) pygmaea*.

118. Grand Cayman, Newland Village, North Sound Estate, near marina (MM685334), 2 m; 11, 13 Sept 68, BE. Coral rockhole; vegetation abundant (algae). *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*, *Ps. (G.) columbiae*.

119. Grand Cayman, Newland Village, North Sound Estate, near marina (MM685334), 2 m; 11 Sept 68, E. Large ground pool along road; water temporary; vegetation abundant. *An. (N.) albimanus*, *Cu. (Mel.) atratus*.

120. Grand Cayman, Newland Village (MM684317), 3 m; 11 Sept 68, B. Large ground pool. *Ps. (G.) columbiae*.

121. Grand Cayman, between Newland Village and Savannah Village (MM686315), 3 m; 11 Sept 68, BE. Epiphytic bromeliad on thorny leguminous tree. *W. (W.) vanduzeei*.

122. Grand Cayman, West Bay, Vicksville, Lime Tree Estate (MM562432), 1 m; 12 Sept 68, BE. Coral rockhole 3 m from shore of sea; water brackish-salty. *Cu. (Cu.) bahamensis*.

123. Grand Cayman, West Bay, Botabano (MM595423), 2 m; 12 Sept 68, B. Adults biting-landing in open flooded field; at 1630. *Ae. (O.) sollicitans*, *Ae. (O.) taeniorhynchus*, *Ps. (G.) pygmaea*.

124. Grand Cayman, Old Man Village, between Little Spot Point and Old Robin Point (MM839394), 1 m; 13 Sept 68, B. Coral rockhole along path at edge of sea. No mosquitoes.

125. Grand Cayman, Old Man Village, between Little Spot Point and Old Robin Point (MM839394), 1 m; 13 Sept 68, E. Small artificial container (broken bottle) stuck in coral rock; deep shade. *Cu. (Mel.) mulrennani*.

126. Grand Cayman, S of Old Man Village (MM821381), 7 m; 13 Sept 68, BE. Coral rockhole; water cool; no vegetation; flottage present; bottom of rock with leaves present; deep shade. *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) mulrennani*.

127. Grand Cayman, Georgetown Barcadere (MM621342), 1 m; 14 Sept 68, E. Large crab-

## CAY Collection Records

hole along road in mangroves; partial shade. *D. cancer*.

128-200. Numbers not issued.

- 201. Cayman Brac, Creek (PM2883?), 5 m; 16 Mar 70, N. *Cu. (Cu.) sphinx*.
- 202. Cayman Brac, Stake Bay (MM2279?), 5 m; 22 Feb 71, N. *Cu. (Cu.) sphinx*.
- 203. Cayman Brac, Creek (PM2883?), 5 m; 16 Mar 70, N. *Cu. (Cu.) sphinx*.
- 204. Cayman Brac, Creek (PM2883?), 5 m; 16 Mar 70, N. *Cu. (Cu.) sphinx*.
- 205. Cayman Brac, S side of island; 28 Sept 70, N. *Cu. (Cu.) ?janitor*.
- 206. Cayman Brac, S side of island; 28 Sept 70, N. *Cu. (Cu.) ?janitor*.
- 207. Cayman Brac, S side of island; 7 Oct 71, N. *Cu. (Cu.) ?chidesteri*.
- 208. Cayman Brac, S side of island; 7 Oct 71, N. *Cu. (Cu.) ?chidesteri*.
- 209. Cayman Brac, West End (PM1777?), 5 m; 5 Mar 70, N. *Cu. (Cu.) sphinx*.
- 210. Cayman Brac, West End (PM1777?), 5 m; 5 Mar 70, N. *Cu. (Cu.) ?janitor*.
- 211. Cayman Brac, Creek (PM2883?), 5 m; 16 Mar 70, N. *Cu. (Cu.) sphinx*.
- 212. Cayman Brac, Creek (PM2883?), 5 m; 16 Mar 70, N. *Cu. (Cu.) sphinx*.
- 213. Cayman Brac; 13 Sept 70, N. *Cu. (Cu.) sphinx*.
- 214. Cayman Brac; 13 Sept 70, N. *Cu. (Cu.) sphinx*.

## CAY Locality Index

## CAYMAN BRAC

*Creek* (PM2883?), 5 m.—17,18,201,203,204,211,212.

*South side of island*.—205,206,207,208.

*Stake Bay* (PM2279?), 5 m.—202.

*West End* (PM1777?), 5 m.—209,210.

Locality not specified.—213,214.

## GRAND CAYMAN

*Airport Quarry*, W of Spots (MM656311), 4 m.—112,113,114.

*Boddentown* (MM7331?), 2 m.—9.

*Botabano* (MM595423), 2 m.—123.

*Georgetown*. Behind US Meteorological Station (MM6033), 2 m.—12. Near Georgetown.—4.

*Georgetown Barcadere* (MM621342), 1 m.—127.

*Gun Bay Village*. East end of island.—10.

*Hutland*. Trail to The Mountain S of Hutland (MM7738), 3 m.—11.

*Newland Village*. Between Newland Village and Savannah Village (MM686315), 3 m.—121.

In Newland Village (MM684317), 3 m.—120. N of Newland Village (MM682325), 3 m.—117.

*North side of island*.—16.

*North Sound*. S end of North Sound.—5.

*North Sound Estate* (MM685334), 2 m.—118,119.

*Old Man Village*. Between Little Spot Point and Old Robin Point (MM839394), 1 m.—124,

125. S of Old Man Village (MM821381), 7 m.—126.

*Owen Roberts Airport*. Pasture W of airport (MM6233?), 2 m.—13.

*Red Bay* (MM6331?), 2 m.—7.

*Savannah Village*. About 100 m N of main road, on road to Newland Village (MM686310), 3 m.—115,116.

*Vicksville*. Lime Tree Estate (MM562432), 1 m.—122.

## CAY Locality Index

*Walker Road.* Trail N of South West Sound mangrove area and E of Walker Rd (MM598313), 4 m.—109,110,111. Walker Rd 200 m N of intersection with Sound Rd (MM592306), 2 m.—106, 107,108.

*Water Ground* (MM576425), 2 m.—101,102,103,104,105.

*West Bay* (MM5841 ?), 2 m.—2,6,8,10B.

Locality not specified.—1,3,10A,11A,14,15.

## CAY Species Index

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—17.  
*Aedes (Ochlerotatus) calumnior* Belkin, Heinemann and Page, 1970.—11B.  
*Aedes (Ochlerotatus) condolenscens* Dyar and Knab, 1907.—111.  
*Aedes (Ochlerotatus) sollicitans* (Walker, 1856).—8,9,10,11B,113,123.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—1,3,5,6,7,8,9,10,10B,11,11B,12,13, 15,111,113,123.  
*Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—7,11,11B,12,111.  
*Anopheles (Anopheles) grabhamii* Theobald, 1901.—10B,11,11B,12,13,105.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—2,10B,11A,119.  
*Corethrella appendiculata* Grabham, 1906.—109.  
*Corethrella* sp 20.—102,104.  
*Corethrella*, sp undetermined.—110.  
*Culex (Culex) bahamensis* Dyar and Knab, 1906.—18,118,122.  
*Culex (Culex)?chidesteri* Dyar, 1921.—207,208.  
*Culex (Culex)?janitor* Theobald, 1903.—205,206,210.  
*Culex (Culex) nigripalpus* Theobald, 1901.—4,11,11A,12,13,101,102,103,105,110,118,126.  
*Culex (Culex) quinquefasciatus* Say, 1823.—11A,103.  
*Culex (Culex) sphinx* Howard, Dyar and Knab, 1913.—201,202,203,204,209,211,212,213,214.  
*Culex (Culex)*, sp undetermined.—16.  
*Culex (Melanoconion) atratus* Theobald, 1901.—110,115,119.  
*Culex (Melanoconion) iolambdis* Dyar, 1918.—11.  
*Culex (Melanoconion) mulrennani* Basham, 1948.—110,125,126.  
*Culex (Melanoconion) opisthopus* Komp, 1926.—11,11A,12,14,110.  
*Culex (Melanoconion)*, sp undetermined.—11,11A,12,13,14,116.  
*Deinocerites cancer* Theobald, 1901.—10A,11A,12,13,127.  
*Psorophora (Grabhamia) columbiae* (Dyar and Knab, 1906).—11B,112,113,117,118,120.  
*Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—6,8,11B,112,113,114,117,123.  
*Psorophora (Janthinosoma) johnstonii* (Grabham, 1905).—11B.  
*Psorophora (Psorophora) ciliata* (Fabricius, 1794).—8,11B.  
*Uranotaenia lowii* Theobald, 1901.—11,11A,12,13,111,116.  
*Wyeomyia (Wyeomyia) vanduzeei* Dyar and Knab, 1906.—11,11B,106,111,121.

**CUBA**  
**Code CUB**

The few poorly labelled collections from Cuba available to the project were obtained from L. E. Rozeboom, Johns Hopkins University. All the material was in pillboxes and it is quite evident that nearly all of it was collected in connection with the malaria survey of Cuba in 1936-1942, supported by International Health Division of the Rockefeller Foundation (Carr and Hill, 1942). This material was collected by or under the supervision of H. P. Carr and R. B. Hill and was probably identified by F. M. Root at Johns Hopkins. One collection (26) was made by W.H.W. Komp in 1938 and 2 (27,28) were made later, in May 1944, by A. Broderman. Except for the latter there is no indication of the localities in Cuba where the collections were made, therefore no Locality Index is provided here. The collections are identified by the following printed label: //CUB [handwritten 1-35]/Cuba/Mosq Mid Amer//.

**CUB Collection Records**

1. Jun 39, H. P. Carr. *Cu. (Cu.) quinquefasciatus*.
2. H. P. Carr. *Ae. (O.) taeniorhynchus*.
3. Jun 39, H. P. Carr. *Ps. (Ps.) howardii*.
4. H. P. Carr. *Cu. (Cu.) ?quinquefasciatus*.
5. Jan 39, H. P. Carr. *Cu. (Cu.) nigripalpus, Cu. (Cu.) quinquefasciatus*.
6. May 40, H. P. Carr. *Cu. (Cu.) nigripalpus, Cu. (Cu.) quinquefasciatus*.
7. H. P. Carr. *Cu. (Cu.) bahamensis*.
8. H. P. Carr. *Cu. (Cu.) quinquefasciatus*.
9. H. P. Carr. *An. (An.) crucians, An. (An.) vestitipennis*.
10. Jun 39, H. P. Carr. *Ps. (G.) pygmaea*.
11. H. P. Carr. *Ae. (O.) taeniorhynchus*.
12. H. P. Carr. *Ae. (S.) aegypti*.
13. H. P. Carr. *Cu. (Cu.) quinquefasciatus*.
14. Jun 39, H. P. Carr. *D. cancer*.
15. Jun 39, H. P. Carr. *An. (An.) crucians*.
16. H. P. Carr. *An. (An.) ?vestitipennis*.
17. May 40, H. P. Carr. *Ps. (Ps.) howardii*.
18. H. P. Carr. *An. (An.) ?crucians*.
19. H. P. Carr. *U. socialis*.
20. H. P. Carr. *An. (An.) vestitipennis*.
21. H. P. Carr. *Cu. (Cu.) quinquefasciatus*.
22. Jun 39, H. P. Carr. *An. (An.) vestitipennis*.
23. H. P. Carr. *Ae. (S.) aegypti*.
24. H. P. Carr. *Ae. (O.) taeniorhynchus*.
25. Sept 39, H. P. Carr. *Ps. (G.) columbiae*.
26. 8 Dec 38, W. H. Komp. *Ps. (G.) columbiae*.
27. Pinar del Rio, Campamento Media Luna, 18 May 44, A. Broderman. *Ae. (O.) taeniorhynchus, Cu. (Cu.) quinquefasciatus*.
28. Pinar del Rio, Campamento Media Luna, 18 May 44, A. Broderman. *Ae. (O.) sollicitans, Ae. (O.) taeniorhynchus, Cu. (Cu.) quinquefasciatus*.
29. R. B. Hill. *An. (An.) crucians*.
30. R. B. Hill. *An. (An.) vestitipennis*.

## CUB Collection Records

31. R. B. Hill. *An. (An.) vestitipennis*.
32. R. B. Hill. *An. (N.) albimanus*.
33. R. B. Hill. *An. (An.) grabhamii*.
34. R. B. Hill. *An. (An.) crucians*.
35. H. P. Carr. *O. signifera*.

## CUB Species Index

- Aedes (Ochlerotatus) sollicitans* (Walker, 1856).—28.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—2,11,24,27,28.  
*Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—12,23.  
*Anopheles (Anopheles) crucians* Wiedemann, 1828.—9,15,?18,29,34.  
*Anopheles (Anopheles) grabhamii* Theobald, 1901.—33.  
*Anopheles (Anopheles) vestitipennis* Dyar and Knab, 1906.—9,? 16,20,22,30,31.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—32.  
*Culex (Culex) bahamensis* Dyar and Knab, 1906.—7.  
*Culex (Culex) nigripalpus* Theobald, 1901.—5,6.  
*Culex (Culex) quinquefasciatus* Say, 1823.—1,?4,5,6,8,13,21,27,28.  
*Deinocerites cancer* Theobald, 1901.—14.  
*Orthopodomyia signifera* (Coquillett, 1896).—35.  
*Psorophora (Grabhamia) columbiae* (Dyar and Knab, 1906).—25,26.  
*Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—10.  
*Psorophora (Psorophora) howardii* Coquillett, 1901.—3,17.  
*Uranotaenia socialis* Theobald, 1901.—19.

## HAITI

Codes: HAC, HAR, HAT

The collections from Haiti available to the project are identified by printed labels with 3 different codes: **HAC**, for collections made principally by S. S. Cook in 1929-1930 and deposited at Johns Hopkins University; **HAR**, for collections made largely by W. A. Hoffman in 1924-1925 and probably by S. S. Cook in 1929-1930, as well as a few by unknown individuals; also deposited at Johns Hopkins University; and **HAT**, for collections made by D. C. Watson in 1968, J. E. Porter and M. Solis in 1970-1971.

We are greatly indebted to Lloyd E. Rozeboom for making collections HAC and HAR available to us and to John E. Porter for the collections HAT 101-138. All of these will be deposited at the USNM at the completion of the project.

Whenever it has been possible we have used the Departement as the primary political subdivision in the location of a collection. The Universal Transverse Mercator Grid coordinates, when given, were determined from maps of Haiti 1:100,000 series E632 and Port au Prince and vicinity 1:12,500 series E9350 and are given to the nearest 100 or 1000 meters, depending on the accuracy of the available information.

In the Locality Index for HAR and HAT we have grouped the localities under the appropriate Departement but we have not provided such an index for HAC because all the collections were presumably made in Port au Prince and immediate vicinity.

## CODE: HAC

This material is identified by the following printed label: //HAC [handwritten number for collections 1-25]/Haiti (Cook)/LE Rozeboom leg//. There is no doubt that all the collections except 21-25 were made by Dr. S. S. Cook since nearly all of the pillboxes were marked with his name and one of them (16) contained *Uranotaenia cooki* collected in "ravine near home" on 12 April, 1932, as stated in F. M. Root's description of this species (published posthumously in 1937). The other collections, except as noted above, were also undoubtedly made by Cook in or near Port au Prince between Oct 1929 and 19 Apr 1932. The actual localities are not known and the dates indicated on the pillboxes are not always the dates of collections since several of them are marked "received." It has not been possible to obtain additional information on these collections since Root's correspondence files and notes have not been located and are probably lost. We believe that collections 21-25, which were in the same box as the rest, probably were also sent to F. M. Root by S. S. Cook for identification.

## HAC Collection Records

1. Ouest, around Port au Prince; 30 Dec 29, S. S. Cook. *Cu. (Cu.) duplicator, Cu. (Cu.) nigripalpus*.
2. Oct 29, S. S. Cook. *Ae. (O.) hemisurus, An. (N.) albimanus*.
3. Artibonite, near Thomonde (AM8805), 300 m; 30 Jan 30, S. S. Cook. *Cu. (Cu.) duplicator, Cu. (Cu.) sp.*
4. 8 Apr 31 (received), S. S. Cook. *Cu. (Cu.) nigripalpus, Cu. (Cu.) quinquefasciatus, W. (W.) mitchellii*.
5. 21 May 31, S. S. Cook. Resting in crabhole. *Ae. (O.) sollicitans, Cu. (Cu.) sp.*
6. 23 May 31 (received), S. S. Cook. *Ae. (O.) tortilis, Ae. (S.) aegypti, Cu. (Cu.) nigripalpus, Cu. (Cu.) quinquefasciatus*.
7. 27 May 31 (received), S. S. Cook. *Ae. (O.) tortilis, Ae. (S.) aegypti, Ps. (J.) ferox, W. (W.) mitchellii*.
8. 4 Jun 31, S. S. Cook. Night catch. *Ae. (O.) tortilis, Cu. (Cu.) quinquefasciatus*.
9. 2 Jul 31 (received), S. S. Cook. *Ae. (O.) hemisurus, Ae. (O.) taeniorhynchus, Ae. (O.) tortilis, Ps. (G.) jamaicensis, Ps. (G.) ?pygmaea, W. (W.) mitchellii*.
10. 9 Jul 31 (received), S. S. Cook. *Ae. (O.) tortilis, Ps. (G.) ?pygmaea, W. (W.) mitchellii*.
11. 19 Sept 31 (received), S. S. Cook. *Ae. (S.) aegypti, Cu. (Cu.) quinquefasciatus, Cu. (Mel.) sp, Ps. (G.) infinis, U. lowii*.
12. Ouest, Port au Prince, Martissant; 6 Jan 32, S. S. Cook. Resting in crabholes. *Ae. (O.) taeniorhynchus, Cu. (Cu.) janitor, D. cancer*.
13. Ouest, Port au Prince; 18 Jan 32, S. S. Cook. Dirty ground pool. *Cu. (Mel.) sp.*
14. Ouest, Port au Prince, near S. S. Cook's residence; 11 Feb 32, S. S. Cook. Daylight catch. *Cu. (Mel.) sp.*
15. 30 Mar 32 (received), S. S. Cook. Small grassy pool. *Cu. (Cu.) nigripalpus*.
16. Ouest, Port au Prince, ravine near S. S. Cook's residence; 12 Apr 32, S. S. Cook. Daylight catch. *Cu. (Mel.) sp., U. cooki*.
17. Ouest, Leogane Rd; 12 Apr 32, S. S. Cook. Bred out from open crabhole. *D. cancer*.
18. Ouest, Leogane Rd; 12 Apr 32, S. S. Cook. Daylight catch in open crabhole. *D. cancer*.
19. Ouest, Leogane Rd; 12 Apr 32, S. S. Cook. Temporary grassy pool. *Ps. (G.) pygmaea*.
20. Ouest, Leogane Rd; 19 Apr 32, S. S. Cook. Daylight catch in open crabhole. *Cu. (Cu.) janitor, D. cancer*.

## HAC Collection Records

21. ?S. S. Cook. ?*Lutzomiops* sp.
22. ?S. S. Cook. *Ae. (O.) hemisurus*.
23. "Dr. Henry," 828. *Ae. (O.) hemisurus*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.
24. "Mr. Baker's"; ?S. S. Cook. Bred from aroid (elephant ear). *W. (W.) mitchellii*.
25. "Mr. Baker's"; ?S. S. Cook. Slow-running water in ditch. *U. socialis*.

## HAC Species Index

- Aedes (Ochlerotatus) hemisurus* Dyar and Knab, 1906.—2,9,22,23.  
*Aedes (Ochlerotatus) sollicitans* (Walker, 1856).—5.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—9,12.  
*Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—6,7,8,9,10.  
*Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—6,7,11.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—2.  
*Culex (Culex) duplicator* Dyar and Knab, 1909.—1,3.  
*Culex (Culex) janitor* Theobald, 1903.—12,20.  
*Culex (Culex) nigripalpus* Theobald, 1901.—?1,4,6,15.  
*Culex (Culex) quinquefasciatus* Say, 1823.—4,6,8,11.  
*Culex (Culex)*, sp undetermined.—3,5.  
*Culex (Melanoconion)*, sp undetermined.—11,13,14,16.  
*Deinocerites cancer* Theobald, 1901.—12,17,18,20.  
 ?*Lutzomiops* sp.—21.  
*Psorophora (Grabhamia) infinis* (Dyar and Knab, 1906).—11.  
*Psorophora (Grabhamia) jamaicensis* (Theobald, 1901).—9,23.  
*Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—?9,?10,19,23.  
*Psorophora (Janthinosoma) ferox* (Humboldt, 1819).—7.  
*Uranotaenia cooki* Root, 1937.—16.  
*Uranotaenia lowii* Theobald, 1901.—11.  
*Uranotaenia socialis* Theobald, 1901.—25.  
*Wyeomyia (Wyeomyia) mitchellii* (Theobald, 1905).—?4,7,9,10,24.

## CODE: HAR

This material is identified by the following printed label: //HAR [handwritten number for collections 1-43]/Haiti/LE Rozeboom leg//. There is no doubt that collections 1-7 and 23-32 were made by W. A. Hoffman because the localities and dates on the pillboxes corresponded to those indicated in F. M. Root's account of the mosquito fauna of Haiti (1927). But there is no definite proof that collections 8-22 and 33-43 were made by S. S. Cook or reached Root through him. However, since the dates on collections 8-22 correspond to those during which Cook collected on Haiti (see Code HAC) we are tentatively ascribing these collections to him. We believe that collections 33-43 which bear no dates should also be tentatively credited to him because several of them (33-39) were marked on the pillboxes with numbers 2-4, 6, 8, 9 and the missing numbers in the series (5, 7) are found on collections 10 and 11 which we attribute to Cook.

## HAR Collection Records

1. Ouest, Petit Goave; 18 Oct 24, W. A. Hoffman. *Ae. (O.) hemisurus*, *Ae. (S.) aegypti*, *Cu. (Cu.) corniger*, *Cu. (Cu.) nigripalpus*.
2. Nord, Port Margot, mountainside above Corail; 15 Sept 25, W. A. Hoffman. Biting horse. *W. (W.) mitchellii*.
3. Nord, Trou du Nord, Roche Platte; 25 Sept 25, W. A. Hoffman. *Ae. (O.) ?pertinax*, *W. (W.) ?mitchellii*.
4. Nord, Trou du Nord, Roche Platte; 5 Oct 25, W. A. Hoffman. *Ps. (J.) ferox*.
5. Nord, Trou du Nord, Roche Platte; 6 Oct 25, W. A. Hoffman. *Ae. (O.) tortilis*.
6. Nord, Trou du Nord, Roche Platte; 7 Oct 25, W. A. Hoffman. *O. signifera*.
7. Ouest, Port au Prince, Fougy, Cul de Sac; 30 Nov 25, W. A. Hoffman. Colored pool. *Ps. (G.) pygmaea*.
8. 29 Oct 29, ?S. S. Cook. Rice fields. *Ae. (O.) hemisurus*, *An. (N.) albimanus*, *Ps. (G.) pygmaea*.
9. Sud, Les Cayes; 25 Oct 29, ?S. S. Cook. Stagnant ditches. *Ps. (G.) jamaicensis*.
10. 1 Jan 30, ?S. S. Cook, 5. Bred out. *Cu. (Cu.) duplicator*, *Cu. (Cu.) nigripalpus*.
11. 1 Jan 30, ?S. S. Cook, 7, "see sheet." *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*.
12. Artibonite, Gonaives; 8 Jan 30, ?S. S. Cook. Crabhole. *An. (N.) albimanus*, *Cu. (Cu.) bahamensis*, *Ps. (G.) pygmaea*.
13. Nordouest, St. Louis du Nord; 9 Jan 30, ?S. S. Cook. *Ae. (O.) taeniorhynchus*.
14. Nord, Cap Haitien, Garde Rifle Range; 10 Jan 30, ?S. S. Cook. Temporary pool. *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.
15. Nord, Cap Haitien, Quartier Morin; 11 Jan 30, ?S. S. Cook. Temporary road pool. *Cu. (Cu.) bahamensis*, *Ps. (G.) jamaicensis*.
16. Nord, Cap Haitien, Plaine du Nord; 16 Jan 30, ?S. S. Cook. Resting in wells. *Ae. (O.) hemisurus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.) sp.*
17. Sud, Les Cayes; 8 Feb 30, ?S. S. Cook. Artificial containers. *Cu. (Cu.) quinquefasciatus*.
18. Sud, Les Cayes; 8 Feb 30, ?S. S. Cook. Well. Specimen undetermined.
19. Sud, Les Cayes; 8 Feb 30, ?S. S. Cook. Daylight. *Cu. (Cu.) sp.*
20. Ouest, Port au Prince; 14 Sept 30, ?S. S. Cook. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*.
21. Ouest, Petit Goave; 28 Jun 31, ?S. S. Cook. Daylight. *Cu. (Cu.) quinquefasciatus*, *W. (W.) mitchellii*.
22. Sud, Les Cayes; 3 Jul 31, ?S. S. Cook. Bred out from aroid (elephant ear). *W. (W.) mitchellii*.
23. Nord, Port Margot, Bayeux; 7 Sept 25, W. A. Hoffman. *Cu. (Cu.) quinquefasciatus*.
24. Nord, Port Margot, Mt. Jean Michel; 8 Sept 25, W. A. Hoffman. *Cu. (Cu.) sp.*
25. Nord, Port Margot, Bayeux; 10 Sept 25, W. A. Hoffman. *Ae. (O.) taeniorhynchus*.
26. Nord, Port Margot; 12 Sept 25, W. A. Hoffman. *Cu. (Cu.) sp.*, *W. (W.) mitchellii*.
27. Nord, Port Margot, Bayeux; 12 Sept 25, W. A. Hoffman. In house. *Ae. (O.) tortilis*.
28. Nord, Port Margot, Bayeux; 13 Sept 25, W. A. Hoffman. In bedroom. *Cu. (Cu.) quinquefasciatus*.
29. Nord, Port Margot, Bayeux; 13 Sept 25, W. A. Hoffman. Treeholes in rubber plantation. *Ae. (O.) tortilis*, *D. cancer*.
30. Nord, Port Margot, Bayeux; 13 Sept 25, W. A. Hoffman. Crabholes. Specimens lost.
31. Nord, Port Margot, Bayeux; 16 Sept 25, W. A. Hoffman. *Ae. (O.) taeniorhynchus*.



## HAR Collection Records

32. Nord, Port Margot, Bayeux; 17 Sept 25, W. A. Hoffman. Crabholes. *Cu. (Cu.)* sp, *Cu. (Mel.)* sp, *U. lowii*.
33. Ouest, Petit Goave, 2. Marsh. *Ae. (O.) taeniorhynchus*, *An. (N.) albimanus*.
34. *Ps. (G.) pygmaea*.
35. Ouest, Petit Goave, 3. *An. (N.) albimanus*, *Cu. (Cu.) bahamensis*, *Cu. (Cu.) nigripalpus*.
36. Rice Fields, 4. *Cu. (Cu.) bahamensis*.
37. Haiti, 6. *Ps. (G.) pygmaea*.
38. Mixed culture, 8. *Ae. (S.) aegypti*, *Cu. (Cu.) duplicator*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.
39. "Stegs," 9. *Ae. (S.) aegypti*.
40. Nord, Cap Haitien. *Ae. (S.) aegypti*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Ps. (G.) jamaicensis*.
41. Sud, Petit Trou de Nippes. *Ae. (S.) aegypti*, *Cu. (Cu.) duplicator*, *Cu. (Cu.)* sp.
42. Nord, Limbe highway. Temporary pool (borrow pit). *An. (N.) albimanus*, *Cu. (Mel.)* sp.
43. Mixed culture. *Ae. (O.) hemisurus*, *Ae. (S.) aegypti*, *An. (N.) albimanus*, *Cu. (Cu.) quinquefasciatus*, *Ps. (G.) infinis*.

## HAR Locality Index

## ARTIBONITE

*Gonaives*.—12.

## NORD

*Bayeux*.—23,25,27,28,29,30,31,32.

*Cap Haitien*.—14,40.

*Corail*. Mountain side above Corail.—2.

*Limbe highway*.—42.

*Mt. Jean Michel*.—24.

*Plaine du Nord*.—16.

*Port Margot*.—26.

*Quartier Morin*.—15.

*Roche Platte*.—3,4,5,6.

## NORDOUEST

*St. Louis du Nord*.—13.

## OUEST

*Fougy, Cul de Sac*.—7.

*Petit Goave*.—1,21,33,35.

*Port au Prince*.—20.

## SUD

*Les Cayes*.—9,17,18,19,22.

*Petit Trou de Nippes*.—41.

## DEPARTEMENT UNKNOWN

Locality not specified.—8,10,11,34,36,37,38,39,43.

## HAR Species Index

- Aedes (Ochlerotatus) hemisurus* Dyar and Knab, 1906.—1,8,16,43.  
*Aedes (Ochlerotatus) pertinax* Grabham, 1906.—3.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—13,20,25,31,33.  
*Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—5,20,27,29.  
*Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—1,38,39,40,41,43.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—8,11,12,33,35,42,43.  
*Culex (Culex) bahamensis* Dyar and Knab, 1906.—12,15,35,36.  
*Culex (Culex) corniger* Theobald, 1903.—1.  
*Culex (Culex) duplicator* Dyar and Knab, 1909.—10,38,41.  
*Culex (Culex) nigripalpus* Theobald, 1901.—1,10,11,35,38,40.  
*Culex (Culex) quinquefasciatus* Say, 1823.—16,17,21,23,28,38,40,43.  
*Culex (Culex)*, sp undetermined.—16,19,24,26,32,41.  
*Culex (Melanoconion) atratus* Theobald, 1901.—11.  
*Culex (Melanoconion)*, sp undetermined.—32,42.  
*Deinocerites cancer* Theobald, 1901.—29.  
*Orthopodomyia signifera* (Coquillett, 1896).—6.  
*Psorophora (Grabhamia) infinis* (Dyar and Knab, 1906).—43.  
*Psorophora (Grabhamia) jamaicensis* (Theobald, 1901).—9,14,15,40.  
*Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—7,8,12,14,34,37.  
*Psorophora (Janthinosoma) ferox* (Humboldt, 1819).—4.  
*Uranotaenia lowii* Theobald, 1901.—32.  
*Wyeomyia (Wyeomyia) mitchellii* (Theobald, 1905).—2,? 3,21,22,26.

## CODE: HAT

These collections are identified by the following printed label: //HAT [handwritten 1-138]/ Haiti 65-66/Mosq Mid Amer//. Collections 1-14 were made especially for the project by Dennis C. Watson (W) on 27 June-9 July 1968; collections 101-127 were made by John E. Porter (P) on 2-11 October 1970 and 128-138 by Marc Solis (S) on 8 October 1970-21 January 1971.

## HAT Collection Records

1. Ouest, Carrefour, near mouth of Riviere Froide (YR728524), near sea level; 27 Jun 68, W. Large ground pool along road; water temporary, clear, brackish; vegetation scanty; bottom with mud and sand; full sun. *D. cancer*, *Ps. (G.) pygmaea*.
2. Ouest, Port au Prince, Deprez Reservoir (YR818505), 120 m; 28 Jun 68, W. Large artificial container (reservoir); shade. *Ae. (S.) aegypti*, *An. (N.) albimanus*, *Cu. (Cu.) quinquefasciatus*.
3. Ouest, Carrefour (YR715518), near sea level; 28 Jun 68, W. Large crabhole in mangroves; water turbid; bottom with sand and gravel; partial shade. *An. (N.) albimanus*, *Cu. (Cu.) habilitator*, *Cu. (Cu.) janitor*, *Cu. (Cu.) nigripalpus*, *D. cancer*.
4. Ouest, Carrefour (YR715518), near sea level; 28 Jun 68, W. Small crabhole in mangroves; water clear, fresh; bottom with mud. *Cu. (Cu.) janitor*, *Cu. (Mel.) atratus*, *D. cancer*.
5. Artibonite, Saint Marc, Bois Neuf (YS3704 ?); 29 Jun 68, W. Small pond; water semipermanent, turbid, stagnant, fresh; abundant vegetation; bottom with mud and dead plant matter; full sun. *Ae. (O.) sollicitans*.
6. Artibonite, Saint Marc, Bois Neuf (YS3704 ?); 29 Jun 68, W. Animal tracks; water colored,

## HAT Collection Records

fresh, foul; bottom with mud; partial shade. *Ae. (O.) sollicitans*, *Ps. (G.) pygmaea*.

7. Ouest, Carrefour, road to Gressier (YR685521), near sea level; 1 Jul 68, W. Pond along road; water semipermanent, colored, stagnant, fresh, foul; vegetation scanty; bottom with mud and dead plant matter; full sun. *An. (N.) albimanus*, *Cu. (Cu.) ? nigripalpus*.

8. Ouest, Carrefour, road to Gressier (YR685521), near sea level; 1 Jul 68, W. Animal tracks in grazing area between rice field and railway; water clear, foul; vegetation scanty; bottom with mud; full sun. *An. (N.) albimanus*, *Cu. (Cu.) janitor*, *Cu. (Mel.) atratus*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.

9. Ouest, Arcahaie, Bord de Mer Royal (YR6176 ?), near sea level; 3 Jul 68, W. Marshy depression near seashore; water permanent, clear, fresh, with moderate current; vegetation abundant; bottom with mud and dead plant matter; full sun. *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *U. socialis*.

10. Ouest, Arcahaie, Bord de Mer Royal (YR6176 ?), near sea level; 3 Jul 68, W. Large ground pool in clearing near seashore; water semipermanent, clear, stagnant, fresh; vegetation abundant; bottom with mud, sand and dead plant matter; partial shade. *Ae. (O.) hemisurus*, *Cu. (Cu.) nigripalpus*, *Ps. (G.) pygmaea*.

11. Ouest, Arcahaie, road to Bord de Mer Royal (YR6176 ?), near sea level; 4 Jul 68, W. Pond in grazing area; water semipermanent, turbid, stagnant; vegetation abundant; bottom with mud, sand and dead plant matter; full sun. *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Cu. (Mel.) atratus*, *Cu. (Mel.) erraticus*, *U. socialis*.

12. Sud, Miragoane, near Godet (YR0638 ?), near sea level; 6-7 Jul 68, W. CDC light trap in thicket near swamp; 1 m above ground; at 1700-0600; deep shade. *Ae. (O.) taeniorhynchus*, *Ae. (O.) tortilis*, *An. (N.) albimanus*, *Cu. (Cu.) janitor*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) sp.*, *Cu. (Mel.) sp.*, *D. cancer*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.

13. Ouest, Port au Prince, road to Petionville; 7 Jul 68, W. Small treehole along road; 0.5 m above ground; water brownish; bottom with dead plant matter; partial shade. *Ae. (G.) mediovittatus*, *Ae. (S.) aegypti*.

14. Sud, Les Cayes (XR316158), 20 m; 8-9 Jul 68, W. CDC light trap in clump of trees at edge of banana plantation; 2 m above ground; at 1800-0600. *Ae. (O.) hemisurus*, *Cu. (Cu.) sp.*, *D. cancer*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.

15-100. Not used.

101. Ouest, Port au Prince, Castel Haiti Hotel (YR809505), 60 m; 2 Oct 70, P. CDC mechanical aspirator used in hotel. *Ps. (G.) pygmaea*.

102. Ouest, Port au Prince, Castel Haiti Hotel (YR809505), 60 m; 2 Oct 70, P. CDC mechanical aspirator used on exterior walls of hotel. *Cu. (Cu.) nigripalpus*.

103. Ouest, Port au Prince, near Castel Haiti Hotel (YR809506), 50 m; 4 Oct 70, P. In residence. *Ae. (S.) aegypti*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.

104. Ouest, Port au Prince, Thor (YR7551), 20 m; 4 Oct 70, P. In residence. *Ps. (G.) pygmaea*.

105. Ouest, Port au Prince, Thor (YR7551), 20 m; 4 Oct 70, P. CDC light trap at residence. *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*, *Ps. (G.) pygmaea*.

106. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *Ae. (O.) sollicitans*, *Ps. (G.) pygmaea*.

107. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *Cu. (Cu.) nigripalpus*, *D. cancer*.

108. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *D. cancer*.

## HAT Collection Records

109. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *An. (N.) albimanus*, *Cu. (Cu.) ? nigripalpus*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*.
110. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *Ae. (O.) sollicitans*, *An. (N.) albimanus*.
111. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *Cu. (Cu.) nigripalpus*, *Ps. (G.) pygmaea*.
112. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 5 Oct 70, P. CDC light trap. *Ps. (G.) pygmaea*.
113. Ouest, Port au Prince, residence about 5 blocks from Palais National (YR8052), near sea level; 5 Oct 70, P. CDC light trap. *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.
114. Nordouest, Port de Paix, La Pointe, House of Hope (YT3206), 100 m; 7 Oct 70, P. Biting on grounds of mission. *Ae. (O.) tortilis*.
115. Nordouest, Port de Paix, La Pointe, House of Hope (YT3206), 100 m; 7 Oct 70, P. Sweeping on buildings. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.) quinquefasciatus*.
116. Nordouest, Port de Paix (YT2606), near sea level; 7 Oct 70, P. Swept from walls of hotel. *Ae. (S.) aegypti*.
117. Nordouest, Port de Paix, La Pointe, House of Hope (YT3206), 100 m; 8 Oct 70, P. Swept from walls and ceilings of mission building. *Ae. (O.) hemisurus*, *Ae. (O.) taeniorhynchus*, *Ps. (J.) johnstonii*.
118. Nordouest, Port de Paix, La Pointe, House of Hope (YT3206), 100 m; 7-8 Oct 70, P. CDC light trap. *Ae. (O.) taeniorhynchus*, *An. (N.) albimanus*, *Cu. (Cu.) nigripalpus*.
119. Nordouest, Port de Paix, La Pointe (YT3207), near sea level; 8 Oct 70, P. Biting in saltmarsh. *Ae. (O.) taeniorhynchus*, *Ps. (J.) johnstonii*.
120. Nordouest, Port de Paix, La Pointe (YT3207), near sea level; 8 Oct 70, P. Biting in saltmarsh. *Ps. (J.) johnstonii*.
121. Nordouest, Port de Paix, La Pointe (YT3207), near sea level; 8 Oct 70, P. Biting in saltmarsh. *Ae. (O.) tortilis*.
122. Ouest, Port au Prince, Rue Pouplar (YR8152), 50 m; 10 Oct 70, P. CDC mechanical aspirator used in residences. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*, *Ps. (G.) pygmaea*.
123. Ouest, Port au Prince, Delmas (YR8452), 100 m; 10 Oct 70, P. CDC mechanical aspirator used in residences. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*.
124. Ouest, Port au Prince, about 5 blocks from Palais National (YR8052), near sea level; 10 Oct 70, P. CDC light trap at residence. *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.
125. Artibonite, Petite Riviere de l'Artibonite, Borel (YS6314), 15 m; 11 Oct 70, P. CDC mechanical aspirator used on buildings. *Cu. (Cu.) quinquefasciatus*.
126. Artibonite, Petite Riviere de l'Artibonite, Borel (YS6314), 15 m; 11 Oct 70, P. CDC mechanical aspirator used on native huts and buildings. *Cu. (Cu.) quinquefasciatus*.
127. Artibonite, Petite Riviere de l'Artibonite, Borel (YS6314), 15 m; 11 Oct 70, P. CDC mechanical aspirator used on native huts and buildings. *Cu. (Cu.) quinquefasciatus*.
128. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 7-8 Oct 70, S. CDC light trap. *Cu. (Cu.) ? nigripalpus*, *Ps. (G.) pygmaea*.
129. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 7-8 Oct 70, S. CDC light trap. *Cu. (Cu.) ? nigripalpus*, *Ps. (G.) pygmaea*, *U. lowii*.
130. Ouest, Port au Prince, Nazon Street (YR8252), 90 m; 8-9 Oct 70, S. CDC light trap. *Ae. (S.) aegypti*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Ps. (G.) pygmaea*.

## HAT Collection Records

131. Ouest, Port au Prince, La Saline (YR8054), near sea level; 8-9 Oct 70, S. CDC light trap. *Cu. (Cu.) ? nigripalpus*, *Ps. (G.) pygmaea*.
132. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 9-10 Oct 70, S. CDC light trap. *An. (N.) albimanus*, *Cu. (Cu.) ? quinquefasciatus*, *Ps. (G.) pygmaea*.
133. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 9-10 Oct 70, S. CDC light trap. *Ae. (O.) hemisurus*, *Ae. (O.) sollicitans*, *Ae. (O.) tortilis*, *Ps. (G.) jamaicensis*, *Ps. (G.) pygmaea*, *U. lowii*.
134. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 9-10 Oct 70, S. CDC light trap. *An. (N.) albimanus*.
135. Ouest, Port au Prince, Cite Simone Duvalier (YR8255), near sea level; 9-10 Oct 70, S. CDC light trap. *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.)* sp, *Cu. (Mel.) atratus*.
136. Ouest, Port au Prince; 25-27 Nov 70, S. CDC light trap. *Ae. (O.) taeniorhynchus*, *Ae. (S.) aegypti*, *Cu. (Cu.) nigripalpus*, *Cu. (Cu.) quinquefasciatus*.
137. Ouest, Port au Prince, Petionville (YR8469 ?), 350 m; 25 Nov 70, S. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*.
138. Ouest, Port au Prince, Bourdon and Bas St. Gerard Streets; 20-21 Jan 71, S. *Ae. (S.) aegypti*, *Cu. (Cu.) quinquefasciatus*, *Cu. (Mel.) atratus*.

## HAT Locality Index

## ARTIBONITE

- Bois Neuf* (YS3704 ?).—5,6.  
*Borel* (YS6314), 15 m.—125,126,127.

## NORDQUEST

- La Pointe* (YT3207), near sea level—100 m.—114,115,117,118,119,120,121.  
*Port de Paix* (YT2606), near sea level.—116.

## OUEST

- Arcahaie*. Bord de Mer (YR6176 ?), near sea level.—9,10,11.  
*Carrefour*. Road to Gressier (YR685521), near sea level.—7,8. Mangrove swamp (YR715518), near sea level.—3,4. Mouth of Riviere Froide (YR728524), near sea level.—1.  
*Petionville*. In city (YR8649 ?), 350 m.—137. Road to Petionville.—13.  
*Port au Prince*. Castel Haiti Hotel (YR809505,809506), 50-60 m.—101,102,103. Cite Simone Duvalier (YR8255), near sea level.—106,107,108,109,110,111,112,128,129,132,133,134,135. Delmas (YR8452), 100 m.—123. Deprez Reservoir (YR818505), 120 m.—2. La Saline (YR8054), near sea level.—131. Various localities primarily in central area of city (YR8052,8152,8252), near sea level—90 m.—113,122,124,130,136,138.  
*Thor* (YR7551), 20 m.—104,105.

## SUD

- Godet* (YR0638 ?), near sea level.—12.  
*Les Cayes* (XR316158), 20 m.—14.

### HAT Species Index

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—13.  
*Aedes (Ochlerotatus) hemisurus* Dyar and Knab, 1906.—10,14,117,133.  
*Aedes (Ochlerotatus) sollicitans* (Walker, 1856).—5,6,106,110,133.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—12,115,117,118,119,136.  
*Aedes (Ochlerotatus) tortilis* (Theobald, 1903).—12,114,121,133.  
*Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—2,13,103,116,122,123,130,136,137,138.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—2,3,7,8,9,11,12,105,109,110,118,132,134.  
*Culex (Culex) habilitator* Dyar and Knab, 1906.—3.  
*Culex (Culex) janitor* Theobald, 1903.—3,4,8,12.  
*Culex (Culex) nigripalpus* Theobald, 1901.—3,? 7,9,10,11,12,102,103,105,107,? 109,111,113,118,124,? 128,? 129,130,? 131,135,136.  
*Culex (Culex) quinquefasciatus* Say, 1823.—2,103,113,115,122,123,124,125,126,127,130,? 132,135,136,137,138.  
*Culex (Culex)*, sp undetermined.—12,14,135.  
*Culex (Melanoconion) atratus* Theobald, 1901.—4,8,9,11,135,138.  
*Culex (Melanoconion) erraticus* (Dyar and Knab, 1906).—11.  
*Culex (Melanoconion)*, sp undetermined.—12.  
*Deinocerites cancer* Theobald, 1901.—1,3,4,12,14,107,108.  
*Psorophora (Grabhamia) jamaicensis* (Theobald, 1901).—8,12,14,109,133.  
*Psorophora (Grabhamia) pygmaea* (Theobald, 1903).—1,6,8,10,12,14,101,104,105,106,109,111,112,122,128,129,130,131,132,133.  
*Psorophora (Janthinosoma) johnstonii* (Grabham, 1905).—117,119,120.  
*Uranotaenia lowii* Theobald, 1901.—129,133.  
*Uranotaenia socialis* Theobald, 1901.—9,11.

### LESSER ANTILLES

#### Code LAR

These collections are identified by the following printed label: //LAR [handwritten 1-67]/ Lesser Antilles 29/LE Rozeboom leg//. They were made by William A. Hoffman and his assistant Jose Oliver-Gonzalez (H) on an expedition from San Juan, Puerto Rico to Aruba 10 July-10 October 1929 (Hoffman, 1930) and were sent for identification to F. M. Root at Johns Hopkins University but no report on them has been published. The specimens were made available to us by L. E. Rozeboom and will be deposited at USNM at the completion of our project.

Except for a few collections from Curacao (Aruba), Trinidad and Venezuela (La Orchila), the location of a collection is given in the following order, first geographically, not politically (Virgin Islands, Leeward Islands, Windward Islands), second by island name and finally by specific locality if available. No geographic coordinates are given because the majority of the islands are so small that these would be superfluous.

#### LAR Collection Records

1. Virgin Islands, St. John; 15 Jul 19, H. *Ae. (O.) taeniorhynchus*.
- 1A. Virgin Islands, St. Thomas; 13 Jul 29, H. *An. (An.) grabhamii*, *An. (N.) albimanus*.
- 1B. Virgin Islands, St. John, Hurricane Bay; 16-17 Jul 29, H. Small dirty pool. *Ae. (O.)*

## LAR Collection Records

- taeniorhynchus*, *Cu. (Cu.) bahamensis*.
2. Virgin Islands, St. Croix, Frederiksted, Lagoon St.; 15 Jul 29, H. *Cu. (Cu.) bahamensis*.
  3. Virgin Islands, St. Croix, Frederiksted, below reservoir; 15 Jul 29, H. Rockholes along stream. *Cu. (Cu.) quinquefasciatus*, *Cu. (Cu.)* sp.
  4. Virgin Islands, St. Croix, Frederiksted; Jul 29, H. Small treehole in "Quenepa" tree.
- Ae. (G.) mediovittatus*.
5. Virgin Islands, Tortola, near Road Harbor; 17 Jul 29, H. Crabholes. *D. magnus*.
  - 6-7. No data or specimens.
  8. Virgin Islands, Virgin Gorda; 19 Jul 29, H. Crabholes. *Cu. (Cu.) habilitator*, *D. magnus*.
  - 8A. Virgin Islands, Virgin Gorda; 19 Jul 29, H. Caught in crabhole; *Culex* biting. *Cu. (Cu.) habilitator*, *D. magnus*.
  9. Leeward Islands, St. Martin; 22 Jul 29, H. Treehole. *Ae. (S.) aegypti*.
  10. Leeward Islands, St. Barthelemy; Jul 29, H. Small depression in rocks along shore. *Cu. (Cu.) bahamensis*.
  11. Leeward Islands, Nevis, Charlestown; 27 Jul 29, H. Coconut grove. *An. (N.) albimanus*, *Cu. (Mel.) atratus*.
  12. No data or specimens.
  13. Leeward Islands, Nevis, Charlestown; 27 Jul 29, H. Crabhole in coconut plantation. *D. magnus*.
  14. Leeward Islands, Montserrat; 29 Jul 29, H. Bred from crabhole. *Ae. (O.) taeniorhynchus*, *An. (N.) albimanus*, *Cu. (Cu.) habilitator*.
  - 14A. Leeward Islands, Nevis; 27 Jul 29, H. Crabholes. *Cu. (Cu.) habilitator*, *D. magnus*.
  - 14B. Leeward Islands, Nevis; 31 Jul 29, H. Bred from crabhole. No specimens.
  - 14C. Leeward Islands, Guadeloupe, Iles des Saintes, Terre de Haut (=St. Peter Is.); 2 Aug 29, H. Crabhole. *D. magnus*.
  15. No data or specimens.
  16. Leeward Islands, Guadeloupe, Marie Galante; 4 Aug 29, H. Pond. *An. (N.) albimanus*.
  - 17-18. No data or specimens.
  19. Leeward Islands, Dominica, near Portsmouth; 4 Aug 29, H. Pool. *Cu. (Mel.) madininensis*.
  - 19A. Leeward Islands, Dominica, near Portsmouth; 4 Aug 29, H. Crabholes. *Cu. (Cu.)* sp, *Cu. (Mel.) madininensis*, *D. magnus*.
  20. Leeward Islands, Dominica, near Portsmouth; 4 Aug 29, H. Pool beneath roots of stump. *Cu. (Mel.) madininensis*.
  21. Leeward Islands, Dominica, near Portsmouth; 4 Aug 29, H. Larvae from crabholes. *Cu. (Mel.) madininensis*.
  22. Windward Islands, Martinique, near Diamond Rock; 9 Aug 29, H. Treehole in flamboyant. *Cu. (Cu.) quinquefasciatus*.
  - 22A. Windward Islands, Martinique, 12-15 km N of Fort de France; 8 Aug 29, H. Adults biting. *Ae. (S.) aegypti*, *W. (W.) grayii*.
  23. Windward Islands, Martinique, 12-15 km N of Fort de France; 8-9 Aug 29, H. Bamboo holes. *Ae. (H.) busckii*.
  24. No data or specimens.
  25. Windward Islands, Martinique, Le Diamant; 8-9 Aug 29, H. Dirty water near deep well. *Ae. (O.) taeniorhynchus*.
  26. No data or specimens.

## LAR Collection Records

27. Windward Islands, Martinique, 5-6 km NE of Le Lamentin; 8-9 Aug 29, H. Ponds. *An. (N.) argyritarsis*, *Cu. (Cu.) nigripalpus*.
- 28A. Windward Islands, Martinique, 12-15 km N of Fort de France; 8-9 Aug 29, H. *Ae. (H.) busckii*, *Cu. (Cu.) inflictus*, *D. magnus*, *H. (H.) splendens*.
- 28B. Windward Islands, St. Lucia, Castries; 10 Aug 29, H. Crabholes. No specimens.
29. Windward Islands, St. Vincent, Brighton; 14 Aug 29, H. Pools. *Cu. (Cu.) nigripalpus*.
- 29B. Windward Islands, St. Vincent, Kingstown; 14 Aug 29, H. Crabholes. *Cu. (Cu.) ? inflictus*, *D. magnus*.
30. No data or specimens.
31. Windward Islands, St. Vincent, "Prospect"; 14-15 Aug 29, H. Dirty roadside pond with frogs. *Cu. (Cu.) nigripalpus*.
32. No data or specimens.
33. Windward Islands, St. Vincent, Kingstown, Kingstown Park; 15 Aug 29, H. Large, dirty ponds. *Cu. (Cu.) nigripalpus*.
- 33A. Windward Islands, St. Vincent, Kingstown, Kingstown Park; 15 Aug 29, H. Crabholes. *Cu. (Cu.) inflictus*, *W. (W.) ? pertinans*.
- 33B. Windward Islands, Grenadines, Bequia Island; 16 Aug 29, H. Biting in hilly place. *H. (H.) splendens*, *W. (W.) ? pertinans*.
- 33C. Windward Islands, Grenadines, Little Nevis Island; 17 Aug 29, H. Biting. *W. (W.) ? pertinans*.
- 33D. Windward Islands, Grenadines, Mustique Island; 17 Aug 29, H. Crabholes. *D. magnus*.
- 33E. Windward Islands, Grenadines, Cannouan Island; 19 Aug 29, H. Crabholes. *D. magnus*.
- 33F. Windward Islands, Grenadines, Union Island; 20 Aug 29, H. Biting. *H. (H.) splendens*, *W. (W.) ? pertinans*.
34. No data or specimens.
35. Windward Islands, Grenadines, Little Martinique Island; 21 Aug 29, H. Crabholes, some biting. *D. magnus*.
- 35A. Windward Islands, Grenadines, Little Martinique Island; 21 Aug 29, H. Biting. *W. (W.) ? pertinans*.
- 35B. Windward Islands, Grenadines, Little St. Vincent Island; 21 Aug 29, H. Crabholes. *D. magnus*.
36. Windward Islands, Grenadines, Carriacou Island; 21 Aug 29, H. Small grassy pond. *Cu. (Cu.) nigripalpus*, *Ps. (G.) Cingulata* Group sp.
- 36A. Windward Islands, Grenadines, Carriacou Island; 21 Aug 29, H. Biting. *H. (H.) splendens*, *W. (W.) ? pertinans*.
- 36B-1. Windward Islands, Grenadines, Carriacou Island, Hillsborough; 21 Aug 29, H. Biting in mangrove swamp. *Ae. (O.) taeniorhynchus*.
- 36B-2. Windward Islands, Grenadines, Carriacou Island, W coast about 3 km above "Carriacou"; 21 Aug 29, H. Crabhole. *D. magnus*.
37. Windward Islands, Grenadines, Saline Island; 22 Aug 29, H. Crabholes. *D. magnus*.
- 37A. Windward Islands, Grenadines, Saline Island; 22 Aug 29, H. Crabholes; biting. *D. magnus*.
38. Windward Islands, Grenadines, Mayreau Island; 20 Aug 29, H. Treehole. *H. (H.) splendens*.
- 38A. Windward Islands, Grenadines, Ronde Island; 23 Aug 29, H. Biting. *W. (W.) ? pertinans*.
39. Windward Islands, Grenada, Telescope Point; 25 Aug 29, H. Small, dirty pond. *Ae. (O.) taeniorhynchus*.



## LAR Collection Records

- 39A. Windward Islands, Grenada, Telescope Point; 25 Aug 29, H. *Ae. (O.) taeniorhynchus*.
40. Windward Islands, Grenada, Annandale; 25 Aug 29, H. From plant with red leaves. *Ae. (H.) busckii*, *W. (W.) pertinans*.
- 40A. Windward Islands, Grenada, Annandale; 25 Aug 29, H. Biting. *Ae. (H.) busckii*, *W. (W.) pertinans*.
41. Windward Islands, Grenada, Soubise River; 26 Aug 29, H. *An. (An.) pseudopunctipennis*.
42. Windward Islands, Grenada, Grand Etang, 26 Aug 29, H. From plant with red leaves. *Ae. (H.) busckii*.
43. Windward Islands, Grenada, Pearls Bay; 26 Aug 29, H. *An. (N.) aquasalis*.
44. Windward Islands, Grenada, Pearls Bay; 26 Aug 29, H. *An. (N.) aquasalis*, *Cu. (Cu.) nigripalpus*.
45. Windward Islands, Grenada, La Sagesse; 26 Aug 29, H. Stream. *An. (N.) argyritarsis*.
46. Windward Islands, Grenada, Pearls Estate; 26 Aug 29, H. Ditch. *An. (An.) pseudopunctipennis*, *An. (N.) aquasalis*, *Cu. (Cu.) nigripalpus*.
47. Windward Islands, Grenadines, Carriacou Island; 21 Aug 29, H. Swamp. *Ae. (O.) taeniorhynchus*.
48. Windward Islands, Grenada, Chambord Mineral Springs; 27 Aug 29, H. Stream. *An. (An.) pseudopunctipennis*.
49. Windward Islands, Grenadines, Union Island; 20 Aug 29, H. Treehole. *H. (H.) splendens*.
50. Windward Islands, Grenada, Chambord Mineral Springs; 27 Aug 29, H. Rockhole along stream. *Cu. (Cu.) nigripalpus*.
51. Windward Islands, Grenada, "Pevis Port"; 26 Aug 29, H. *An. (An.) pseudopunctipennis*, *An. (N.) aquasalis*.
52. No data or specimens.
53. Trinidad, Port of Spain, Botanic Gardens; 1 Sept 29, H. Bromeliad. *W.* sp.
54. Trinidad, Port of Spain, "Chine, along Wahingston Rd"; 2 Sept 29, H. Crabhole. *Ae. (O.) scapularis*, *D. magnus*.
55. Trinidad, Port of Spain, "Chine, along Wahingston Rd"; 2 Sept 29, H. Pond. *Ae. (O.) scapularis*, *Ae. (O.) taeniorhynchus*, *Cu. (Cu.)* sp, *Ps. (G.) Cingulata* Group sp.
56. Trinidad, San Fernando, San Fernando Hill; 3 Sept 29, H. *Heliconia*. *W. (D.) pseudopecten*, *W. (D.) rorotai*.
57. No data or specimens.
58. Windward Islands, St. Vincent, Kingstown, Kingstown Park; 15 Aug 29, H. Coconut shell. *Cu. (Cu.) inflictus*.
59. Trinidad, Brighton, Pitch Lake; 3 Sept 29, H. Pond. *Cu. (Cu.)* sp.
60. No data or specimens.
61. Windward Islands, Grenada, Telescope Point; 25 Aug 29, H. Crabhole. *Ae. (O.) taeniorhynchus*.
62. Windward Islands, Grenada, Annandale; 25 Aug 29, H. Bromeliad. *W. (W.) pertinans*.
- 62A. Trinidad, Port of Spain, Botanic Garden; 1 Sept 29, H. Biting. *W.* sp.
- 62B. Trinidad, Port of Spain, "Chine, Wahingston Rd"; 2 Sept 29, H. Biting. *Ae. (O.) taeniorhynchus*.
63. Venezuela, Isla La Orchila; 10 Sept 29, H. Crabholes. *Ae. (O.) taeniorhynchus*, *Cu. (Cu.)* sp, *D. atlanticus*.
64. Curacao, Aruba Island; 10 Oct 29, H. Turbid pond. *Ae. (O.) taeniorhynchus*.
65. No data or specimens.
66. Curacao, Aruba Island, "Pitribosk"; 18 Sept 29, H. Dirty pond. *Ae. (O.) taeniorhynchus*.
67. Windward Islands, Grenadines, Carriacou Island; 21 Aug 29, H. Treehole. *H. (H.) splendens*.

## LAR Locality Index

## CURACAO

*Aruba*. "Pitribosk."—66. Not specified.—64.

## LEEWARD ISLANDS

*Dominica*. Near Portsmouth.—19,19A,20,21.

*Marie Galante*.—16.

*Montserrat*.—14.

*Nevis*. Near Charlestown.—11,13. Not specified.—14A,14B.

*St. Barthelemy*.—10.

*St. Martin*.—9.

*Terre de Haut*.—14C.

## TRINIDAD

*Brighton*. Pitch Lake.—59.

*Port of Spain*. Botanic Garden.—53,62A. "Chine, along Wahingston Rd."—54,55,62B.

*San Fernando Hill*.—56.

## VENEZUELA

*Isla La Orchila*.—63.

## VIRGIN ISLANDS

*St. Croix*. Frederiksted.—2,3,4.

*St. John*. Hurricane Bay.—1B. Not specified.—1.

*St. Thomas*.—1A.

*Tortola*. Near Road Harbor.—5.

*Virgin Gorda*.—8,8A.

## WINDWARD ISLANDS

*Bequia*.—33B.

*Cannouan*.—33E.

*Carriacou*. Hillsborough.—36B-1,36C. W coast about 3 km above "Carriacou."—36B-2. Not specified.—36,36A,47,67.

*Grenada*. Annandale.—40,40A,62. Chambord Mineral Springs.—48,50. Grand Etang.—42. La Sagesse.—45. Pearls Bay.—43,44. Pearls Estate.—46. "Pevis Port."—51. Soubise River.—41. Telescope Point.—39,39A,61.

*Little Martinique*.—35,35A.

*Little Nevis*.—33C.

*Little St. Vincent*.—35B.

*Martinique*. Near Diamond Rock.—22. 12-15 km N of Fort de France.—22A,23,28A. Le Diamant.—25. 5-6 km NE of Le Lamentin.—27.

*Mayreau*.—38.

*Mustique*.—33D.

*Ronde*. 38A.

*Saline*.—37,37A.

*St. Lucia*. Castries.—28B.

*St. Vincent*. Brighton.—29. Kingstown.—29B,33,33A,58. "Prospect."—31.

*Union*.—33F,49.

## LAR Species Index

- Aedes (Gymnometopa) mediovittatus* (Coquillett, 1906).—4.  
*Aedes (Howardina) busckii* (Coquillett, 1906).—23,28A,40,40A,42.  
*Aedes (Ochlerotatus) scapularis* (Rondani, 1848).—54,55.  
*Aedes (Ochlerotatus) taeniorhynchus* (Wiedemann, 1821).—1,1B,14,25,36B-1,36C,39,39A,47,55,61,62B,63,64,66.  
*Aedes (Stegomyia) aegypti* (Linnaeus, 1762).—9,22A.  
*Anopheles (Anopheles) grabhamii* Theobald, 1901.—1A.  
*Anopheles (Anopheles) pseudopunctipennis* Theobald, 1901.—41,46,48,51.  
*Anopheles (Nyssorhynchus) albimanus* Wiedemann, 1820.—1A,11,14,16.  
*Anopheles (Nyssorhynchus) aquasalis* Curry, 1932.—43,44,46,51.  
*Anopheles (Nyssorhynchus) argyritarsis* Robineau-Desvoidy, 1827.—27,45.  
*Culex (Culex) bahamensis* Dyar and Knab, 1906.—1B,2,10.  
*Culex (Culex) habilitator* Dyar and Knab, 1906.—8,8A,14,14A.  
*Culex (Culex) inflictus* Theobald, 1901.—28A,? 29B,33A,58.  
*Culex (Culex) nigripalpus* Theobald, 1901.—27,29,31,33,36,44,46,50.  
*Culex (Culex) quinquefasciatus* Say, 1823.—3,22.  
*Culex (Culex)*, sp undetermined.—3,19A,55,59,63.  
*Culex (Melanoconion) atratus* Theobald, 1901.—11.  
*Culex (Melanoconion) madininensis* Senevet, 1936.—19,19A,20,21.  
*Deinocerites atlanticus* Adames, 1971.—63.  
*Deinocerites magnus* (Theobald, 1901).—5,8,8A,13,14A,14C,19A,28A,29B,33D,33E,35,35B,36B-2,37,37A,54.  
*Haemagogus (Haemagogus) splendens* Williston, 1896.—28A,33B,33F,36A,38,49,67.  
*Psorophora (Grabhamia)*, Cingulata Group spp.—36,55.  
*Wyeomyia (Dendromyia) pseudopecten* Dyar and Knab, 1906.—56.  
*Wyeomyia (Dendromyia) rorotai* Senevet, Chabelard and Abonnenc, 1942.—56.  
*Wyeomyia (Wyeomyia) grayii* Theobald, 1901.—22a.  
*Wyeomyia (Wyeomyia) pertinans* (Williston, 1896).—? 33A,? 33B,? 33C,? 33F,? 35A,? 36A,38,40A,62.  
*Wyeomyia*, sp undetermined.—53,52A

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