

Collection Records from Tutuila, American Samoa

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Introduction

The general format of the following collection records is that of Belkin and Heinemann 1973. The material is deposited with the Department of Entomology, United States National Museum, Washington, DC.

The author is greatly indebted to the staff of the Department of Medical Services, Government of American Samoa, Pago Pago. Special thanks are due Dr. S. A. Cheeseman and Dr. N. Siliga for their generous administrative support, and to Savaliga Saifoloi and Aulalo Tofilau for their assistance in the field. The author also wishes to thank Dr. John Belkin, Department of Biology, UCLA, for his encouragement and for loan of equipment, and Virginia Hansen for her editorial services.

The code AST is used for all collections in this report. The collector in each case is John D. Wright (JDW). Determination of pH levels was made through the use of pHydrion[®] paper.

MAP USED

Tutuila Island, American Samoa 1:24,000, U.S. Geological Survey, Denver, 1963.

Code: AST

The AST collections are identified by the following printed label:
//AST[printed 100-144]/American Samoa/John D. Wright 77//.

AST Collection Records

100. Western, Aoloaufou, Mr. Fonoti's taro patch, 410m; 7 Jul 77, JDW. Taro leaf axil; water clear, fresh; bottom with plant matter; pH 5.8. *Ae. (Fin.) oceanicus*.

101. Western, Aoloaufou, Mr. Taiaua's taro-pandanus patch, 440m; 7 Jul 77, JDW. *Pandanus* leaf axil; water clear, fresh; bottom with plant matter; pH 5.6. *Ae. (Fin.) oceanicus*.

102. Northern, Fagasa, Leatele School, near sea level; 7 Jul 77, JDW. Giant taro leaf axil; water clear, fresh; pH 5.6. *Ae. (Fin.) oceanicus*, *Ae. (Stg.) aegypti* (contaminant from another collection?).

103. Northern, Fagasa, Plantation trail from Leatele School, 15m; 7 Jul 77, JDW. Biting-landing; 1215 hrs; partial shade. *Ae. (Stg.) polynesiensis*.

104. Western, Pago Pago International Airport, next to storage buildings in area with secondary growth, 12m; 7 Jul 77, JDW. Truck tire; water clear, stagnant, fresh; bottom with plant matter; pH 6.4.

Tx. (Tox.) amboinensis.

105. Western, Tafunafou, vicinity of, dump near airport, 20m; 7 Jul 77, JDW. 5 gal can, rusting; water greenish, fresh, scum; bottom with plant matter, "blood worms"; pH 6.8. *Cx. (Cux.) pipiens quinquefasciatus*, *Ae. (Stg.) aegypti*.

106. Western, Tafunafou, vicinity of, dump near airport, 20m; 7 Jul 77, JDW. Washing machine tub; water clear; bottom with plant matter; pH 6.4. *Ae. (Stg.) polynesiensis*, *Ae. (Stg.) aegypti*.

107. Western, Malaeloa, Mr. Asa's pig sty, 45m; 8 Jul 77, JDW. Ground pool, large, seepage, water turbid, fresh; bottom of mud, rock, plant and animal matter; pH 6.4. *Cx. (Cux.) sitiens*.

108. Western, Malaeloa, Mr. Taitasi's pasture, 45m; 8 Jul 77, JDW. Treehole, 6 l capacity, *Inocarpus edulis*; water turbid, fresh; bottom with plant matter; pH 5.6. *Tx. (Tox.) amboinensis*.

109. Western, Malaeloa, Mr. Taitasi's pasture, 45m; 8 Jul 77, JDW. Biting-landing; 0945-1000 hrs; deep shade under Ifi tree (*I. edulis*). *Ae. (Stg.) polynesiensis*.

110. Western, Poloa, vicinity of, along road, 90m; 8 Jul 77, JDW. Giant taro leaf axil; water clear; bottom with plant and animal (insect) matter. *Ae. (Fin.) oceanicus*, *Tx. (Tox.) amboinensis*.

111. Western, Fagalii, Mr. Savalii's yard, near sea level; 8 Jul 77, JDW. Tin can pile; partial shade, water fresh. *Ae. (Stg.) polynesiensis*.

112. Western, Fagalii, Mr. Savalii's yard, near sea level; 8 Jul 77, JDW. Giant taro leaf axil; partial shade, water fresh. *Ae. (Fin.) oceanicus*.

113. Western, Fagalii, Mr. Simati's yard, near sea level; 8 Jul 77, JDW. *Pandanus* leaf axil; partial shade; water clear, fresh; bottom with plant matter. *Ae. (Fin.) oceanicus*.

114. Western, Fagalii, vicinity of, mountainside, near stream, 120m; 11 Jul 77, JDW. *I. edulis* treehole. *Tx. (Tox.) amboinensis*.

115. Western, Fagalii, vicinity of, mountainside, near stream, 120m; 11 Jul 77, JDW. Biting-landing; 1100-1130 hrs; full shade under *I. edulis*. *Ae. (Stg.) polynesiensis*.

116. Western, Fagalii, vicinity of, mountainside, near stream, 120m; 11 Jul 77, JDW. Treehole. *Ae. (Stg.) polynesiensis*, *Tx. (Tox.) amboinensis*.

117. Western, Seetaga, Mr. Sauleone's yard, near sea level; 11 Jul 77, JDW. Rain barrel next to house; water clear; pH 5.6. *Ae. (Stg.) polynesiensis*, *Cx. (Cux.) sitiens*.

118. Western, Seetaga, across road from Mr. Sauleone's house, near sea level; 11 Jul 77, JDW. *Pandanus* leaf axil; water clear; bottom with plant matter. *Ae. (Fin.) tutuilae*.
119. Northern, Aoa, Mr. Fola's yard, near sea level; 12 Jul 77, JDW. Coconut palm treehole; water clear; bottom with sand, plant material. *Ae. (Stg.) polynesiensis*.
120. Northern, Aoa, Mr. Fola's yard, near sea level; 12 Jul 77, JDW. Automobile tire; water turbid. *Ae. (Stg.) aegypti*, *Ae. (Stg.) polynesiensis*.
121. Western, Fagaalu, vicinity of, trail above Vaitanoa Pool on Fagaalu stream, 140m; 12 Jul 77, JDW. Biting-landing; 1645-1725 hrs, full shade. *Ae. (Stg.) polynesiensis*.
122. Western, Mapusaga, vicinity of, Malaeimi Valley, road along Mormon pasture, 40m; 13 Jul 77, JDW. Biting-landing; 0920-0935 hrs; partial shade. *Ae. (Stg.) polynesiensis*.
123. Western, Mapusaga, vicinity of, Malaeimi Valley, road along Mormon pasture, 40m; 13 Jul 77, JDW. Fallen coconut; plant matter in bottom. *Ae. (Stg.) polynesiensis*.
124. Western, Mapusaga, vicinity of, Malaeimi Valley, Mormon pasture, 40m; 13 Jul 77, JDW. Tavai treehole (*Rhus taitensis*); water turbid, brownish; pH 6.4. *Ae. (Stg.) polynesiensis*, *Ae. (Stg.) upolensis*.
125. Western, Aoloaufou, vicinity of, Olotele Peak, north side, 2m below summit, 490m; 14 Jul 77, JDW. Biting-landing; 1020-1030 hrs; partial shade; small clearing in dense vegetation. *Ae. (Stg.) upolensis*.
126. Western, Aoloaufou, vicinity of, Olotele Peak, paved road, west side, 450m; 14 Jul 77, JDW. Biting-landing, swarming; 1100-1140 hrs; around jeep on road; shade, open sky. *Ae. (Stg.) upolensis*.
127. Western, Aoloaufou, Mr. Migi's property, 45m east of Mr. Tofilau's house, uncleared forest, 400m; 14 Jul 77, JDW. *Freycinetia* leaf axil, epiphytic on Malili tree (*Terminalia richii*). *Ae. (Fin.) samoanus*.
128. Western, Aoloaufou, Mr. Tofilau's taro patch, 400m; 14 Jul 77, JDW. Breadfruit treehole; bottom with plant matter; water pH 6.4. *Ae. (Stg.) polynesiensis*.
129. Not used.
130. Western, Fagaalu, vicinity of, Niuloa Point, along road, near sea level; 18 Jul 77, JDW. *Pandanus* leaf axil; water clear; bottom with plant, animal matter. *Ae. (Fin.) oceanicus*.
- 131-141. Not used.
142. Western, Mapusaga, vicinity of, Malaeimi Valley, Mormon pasture, 40m; 14 Feb 78, JDW. Treehole, 2 l capacity; water clear, fresh; bottom with plant debris. *Ae. (Stg.) polynesiensis*, *Ae. (Stg.) upolensis*.
143. Not used.

144. Western, Mapusaga, vicinity of, Malaeimi Valley, Mormon pasture, 40m; 14 Feb 78, JDW. *I. edulis* treehole; bottom with plant matter. *Ae. (Stg.) polynesiensis*, *Ae. (Stg.) upolensis*.

AST Locality Index

NORTHERN

Aoa (14°16'S, 170°35'W, on Aoa Bay), near sea level. -119, 120.
Fagasa (14°18'S, 170°43'W, on Fagasa Bay), near sea level. -102, 103.

WESTERN

Aoloaufou (14°19'S, 170°46'W), 400m. -100, 101, 127, 128. Vicinity of, Olotele Peak, 450-490m. -125, 126.
Fagaalu (14°18'S, 170°41'W), Vaitanoa Pool on Fagaalu stream, 140m.
 -121. Niuloa Point, near sea level. -130.
Fagalii (14°19'S, 170°49'W), near sea level. -111, 112, 113. Vicinity of, mountainside, 120m. -114, 115, 116.
Malaeloa (14°21'S, 170°46'W), 45m. -107, 108, 109.
Mapasuga (14°20'S, 170°44'W), Malaeimi Valley, 40m. -122, 123, 124, 142, 144.
Pago Pago International Airport (14°20'S, 170°43'W), vicinity of, 12m. -104.
Poloa (14°19'S, 170°50'W, on Poloa Bay), vicinity of, 90m. -110.
Seetaga (14°20'S, 170°49'W, on Nua-seetaga Bay), near sea level. -117, 118.
Tafunafou (14°20'S, 170°44'W), vicinity of, 20m. -105, 106.

AST Species Index

Aedes (Finlaya) oceanicus Belkin 1962. -100, 101, 102, 110, 112, 113, 130.
Aedes (Finlaya) samoanus (Gruenberg 1913). -127.
Aedes (Finlaya) tutuilae Ramalingam & Belkin 1965. -118.
Aedes (Stegomyia) aegypti (Linnaeus 1762). -102, 105, 106, 120.
Aedes (Stegomyia) polynesiensis Marks 1951. -103, 106, 109, 111, 115, 116, 117, 119, 120, 121, 122, 123, 128, 142, 144.
Aedes (Stegomyia) upolensis Marks 1957. -124, 125, 126, 142, 144.
Culex (Culex) pipiens quinquefasciatus Say 1823. -105.
Culex (Culex) sitiens Wiedemann 1828. -107, 117.
Toxorhynchites (Toxorhynchites) amboinensis (Doleschall 1857). -104, 108, 110, 114, 116.

Reference

Belkin, J. N. and S. J. Heinemann. 1973. Collection records of the project "Mosquitoes of Middle America." 1. Introduction; Dominican Republic (RDO). *Mosq. Syst.* 5:201-220.