



**ALOHA ARBORIST ASSOCIATION
MEETING MINUTES – 10/18/2017 - APPROVED
Dixie Grill, Aiea, HI**

Members in Attendance: Jay Zambo, Lance Bookless, Desiree Page, Carol Kwan, Dudley Hulbert, Quenna Johnson, Don Bergan, Jamilee Kempton, Andrew Kendall, Steve Connolly, Angela Liu
Guests: Andy Kaufman, David Severino

1. Call to Order & Approval of the Meeting Minutes of 09/20/17 - The meeting was called to order at 6:40pm. The motion to approve the minutes was made, seconded and passed unanimously.
2. Old Business
 - a) Research Committee (Chair: Dudley Hulbert) – Professor Andy Kaufman informed the group that HDOT staffing turnover has resulted in stoppage of the DOT funding, and impacted the continuity of the tree research. He has obtained temporary funding to maintain the quarterly pruning and data collection. Professor Kaufman is stepping up communication with both HDOT and University of Hawaii decision makers, so that everyone is adequately informed about the project's scope, needs, the twenty-year total timeframe, and other parameters. In reply to a question from Dudley, Andy explained that 26% of all funds that are credited to his research account at the University of Hawaii are set aside for indirect (administrative) costs (this amount is expected to increase in the future).
 - b) Chainsaw Workshops, Beginner Level (J Zambo) – Dudley will ask Jayme Grzebek of the Urban Garden Center about possible dates for chainsaw training, and what they suggest the registration fee should be.
 - c) LICH Conference, 10/05/2017 (J Zambo) – J reported that there was high interest in the arborist topics, and the AAA booth was busy throughout the day. J met an agriculture professor at Leeward College at the booth, and he will be speaking in her class about arboriculture and the green industry in Hawaii. Students from a high school group at the LICH conference also were interested in Hawaii's community trees and AAA's activities. J pointed out that Oahu's climbers' average age is on the rise, and there are few young climbers coming up the ranks. He pointed to contact with youth groups and college programs are a very good opportunity for AAA to recruit new talent into the industry. Others at the meeting also suggested outreach to 4H, high schools, and other youth groups.
 - d) Proposal for Arborist Rope Splicing Workshop (Angela Liu) – Total number who registered for this program turned was ten, about eighteen individuals initially indicated they were interested. Low registration is most likely attributable to the increase in registration fee (originally announced as \$350, but a \$75 cost for a splicing kit had not been announced at the time), and short registration timeframe. To avoid spending as much time on recruiting and redundant follow-up communications, workshop proposals will be handled differently in the future. Anyone interested in holding a workshop will be asked to fill out a new "Workshop Information Sheet" that will help collect all information up front before AAA begins recruiting participants. Since that form was created, it has already been given out three times.
 - e) Offer for free media services from Olelo Channel (Kevin Eckert, Andrew Kendall) – J spoke briefly with the representative from Olelo. Olelo would like to get a group from AAA to their studio to interview, so the short program about AAA will be more interesting. Names suggested include Steve Nimz, Abner Undan, Carol, and Desiree. Andrew will organize the representatives from AAA going to Olelo's studio.

- f) AAA Officers and Board members roles and responsibilities (J Zambo, Lance Bookless) – Angela put together a chart of responsibilities and activities that are normally carried out by AAA’s paid administrative contractor. This chart and the Administrative Guide, an unofficial compendium of the details of the administrator’s activities, will be emailed to the board.
- g) Treasurer’s Report (Desiree Page) – Desiree reported that there were a few renewals in the last month, otherwise this is a quiet time for AAA. It has been determined that the WCISA check to AAA for the 2016 Tree Fungi regional conference remains unresolved; Carol suggested to Desiree to contact Rose Epperson directly.

3. New Business

- a) Pest of the Month – Slugs and snails (Class *Gastropoda*)
 - i. Description: Arborists should be concerned about these land mollusks because ornamental woody plants provide hiding places for them. Also, snails and slugs forage on seedlings, young leaves and fruit. Introduced land snail species (98 species introduced, 45 established) threaten already precarious populations of native land snail species. New snail and slug species are introduced when plant materials, e.g. landscaping supplies and Christmas trees, are brought to Hawaii. Local nurseries also have been unintended reservoirs for invasive snails and slugs, which are introduced into new areas when infested tree stocks are planted out.
 - ii. Disease Vectors: Diverse snail and slug species can host the nematode causing rat lungworm disease, *Angiostrongylus cantonensis*. A semislug (which has a small soft shell) *Parmarion martensi* has become more widespread, is much smaller and able to hide better, and carries twice the load of nematodes compared to other snails. The nematode itself is spreading globally – though infections are still relatively rare, the symptoms of this type of meningitis can be severe. It was reported that about 5% of snails and slugs on Oahu may carry the nematode.
 - iii. Control: Use of a combination of methods as part of arboricultural practices to get effective control against most species.
 - Pick snails and slugs near sundown, remove or monitor hiding places, avoid frequent watering especially late in the day, and set traps by laying down slightly raised wooden boards.
 - Copper bands or screens, or a Bordeaux mixture can be used in limited areas to exclude snails. Iron-phosphate based baits are relatively safe for pets and wildlife.
 - Bait containing metaldehyde should be kept away from aquatic organisms and domestic animals.
 - iv. Selected References:
 - Dresitadt, Steve H. *Pests of Landscape Trees and Shrubs: An Integrated Pest Management Guide*, 3rd Ed. University of California Agriculture and Natural Resources, 2016.
 - Hayes, Kenneth A., *Invasive Land Snails of Hawaii*, National Plant Diagnostic Network Malacology Workshop, UC Davis, June 16-18 2015 (Downloaded 09/30/2017).
Downloaded 09/30/2017:
https://www.npdn.org/system/files/WPDN%20Hayes_UC_Davis_Workshop_June_2015_HILS.pdf
- b) 2018 Ag & Environmental Awareness Day (Feb 9th and 10th, 2018) Deadline to respond 10/31/17 (Angela Liu) – This is an annual event by the UH CTAHR, inviting hundreds of fifth

graders to rotate through booths and attend mini-workshops. Saturday, the event is open to the public and is a more general public outreach event. AAA traditionally sends one or two volunteers on each day to host a booth. Carol and Lance volunteered to go on Friday, and Dudley and Desiree volunteered to go on Saturday.

- c) Arbor Day Chainsaw Safety Demo at Urban Garden Center (Dudley Hulbert) – Carol shared that AAA’s workshop at the UGC Arbor Day event some years ago had very low attendance. She believes that people show up on Arbor Day to get free trees, are in a rush to leave, and are not interested in extra programs. Dudley will follow up with Jayme Grzebik, who in these last few weeks asked if AAA will be doing a chainsaw safety demonstration on Arbor Day.
- d) Safety Workshop by Steve Nimz and HEMIC (Angela Liu) – Tabled.
- e) Ken Palmer training on Oahu, February 2018 (Dudley Hulbert, Desiree Hughes) – Survey Monkey survey regarding possible topics; coordination of other logistics. See item 3f below for a general discussion about an AAA workshop schedule in 2018.
- f) Aerial Rescue, Climber Training (J Zambo) – Some individuals who were interested in taking the ISA Certified Tree Worker (CTW) exam this month were unable to do so because the prerequisite aerial rescue training had not been available. Tree services, such as Imua, have gotten in touch with AAA requesting training events for their employees. There are several local arborists on Oahu who are interested in delivering trainings and workshops on a variety of topics including aerial rescue, climbing, rigging, and bucket operation. The aerial rescue training needs to take place before the next CTW exam in April 2018. At the same time, there was a discussion that Maui arborists were interested in having the annual Hawaii Tree Jamboree on their island. Many of the climbers in this year’s event in February were from Maui. A tentative 2018 schedule, including non-training events, was laid out as follows:

2018	Tentative Event Schedule
January	Climbing (early to mid January) (Jamilee Kempton?) Chainsaw Safety (late January) – Kevin Eckert, J Zambo?
February	Hawaii Tree Jamboree on Maui TCIA Winter Management Conference Possible Ken Palmer workshop?
March	Aerial rescue with Kainoa Holt Tree Worker class with Justin Donahue?
April	Certified Tree Worker Exam

- g) Ooma phone service (Angela Liu) – The Ooma voicemail service has a \$129/year premium plus a monthly charge of ~\$4 to \$4.25. We get one to six calls monthly on average. Desiree has researched options for other similar services and will make a recommendation.
- h) Hawaii Tree Jamboree 2018 (Andrew Kendall) – See item 3f above.

4. Announcements

- a) Carol announced that Maui Green and Beautiful is holding their *Malama the Trees* Annual Workshop on November 7th. AAA traditionally sponsors the event with a donation of \$100. The motion was made, seconded and passed to sponsor the event.
- b) The Arbor Day celebration and Tree Giveaway is taking place the first weekend of November. They are looking for more volunteers to help answer questions and give out seedlings. Please contact Tatiana Quong at Hawaiian Electric 543-4833.

c) *Please join us on:*

November 15th, 2017, 6:30pm – Monthly Meeting – Location TBD

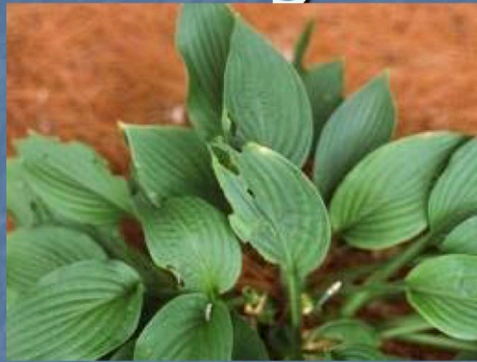
5. Adjournment – The meeting adjourned at 8:12pm.

Respectfully submitted,
Angela Liu

HANDOUT:

“Control and Management of Slug and Snail Vectors, with Special Reference to Species in Hawaii (Powerpoint presentation),” Robert G. Hollingsworth, USDA Agricultural Research Service, US Pacific Basin Agricultural Research Center, Hilo, Hawaii. Retrieved 10/02/17:
<https://www.hawaii.edu/cowielab/24%20Hollingsworth%20Angio%20Workshop.pdf>

Slug/snail feeding damage



Types of habitat where *P. martensi* was observed by survey participants (day and night observations).

Location	No. of reports
On green plants (lettuce, fennel, sweet potato, banana, passionfruit, lemongrass, <i>Heliconia</i>)	10
On fallen fruit (avocado, guava, citrus, papaya, mango)	9
On/under plastic or plastic-like materials, including black plastic sheeting, tarps, drain pipes or plant pots	8
In compost (especially covered compost) or inside trash cans	6
In food preparation and sink areas (outdoor sinks, on dishes, grills, on toothbrush)	5
In pet food bowls or eating spilled pet food	5
On deck or stairs	5
On concrete, tile or asphalt	5
On walls of home	4
On palm fronds or trunks or under coconut shells	4
On catchments tank (on outside, under black saran cover at top)	3
On ripe papaya fruits (on tree)	2
In plant debris other than palms	2