



**ALOHA ARBORIST ASSOCIATION  
MEETING MINUTES – 11/15/2017 - APPROVED  
Dixie Grill, Aiea, HI**

Members in Attendance: Desiree Page, Carol Kwan, Dudley Hulbert, Sergio Vasquez, Rosemary Kaleleiki-Rollins, Kainoa Holt, Justin Donahue, Jamilee Kempton, Andrew Kendall, Angela Liu  
Guests: Keith Rollins

1. Call to Order & Approval of the Meeting Minutes of 10/18/17 - The meeting was called to order at 6:50pm. The meeting lacked quorum. Revisions to the October minutes were made as follows:
  - The Certified Tree Worker exam in October had not been cancelled, however some people weren't able to take it because the prerequisite aerial rescue training had not been held.
  - Kainoa Holt's last name was added.Approval of the October minutes will be considered at the next AAA meeting.
2. Old Business
  - a) Research Committee (Chair: Dudley Hulbert) – Desiree reported that a biologist with whom she is acquainted uses high-resolution map images, and that those maps could be used for determining tree growth rates.
  - b) Safety Workshop by HEMIC (Angela Liu) – Angela reported that HEMIC would like AAA's assistance to put together a safety training workshop for their worker's compensation clients. This may or may not be open to a wider audience of AAA members or other interested parties. Desiree suggested that Andrew should get in touch with Jason Iwamasa of HEMIC.
  - c) Climbing Training, early to mid-January 2018 (J Zambo) – Carol noted that, based on past experience, it's difficult to do marketing for an event taking place in early January – everyone tends to be busy with holiday activities into the beginning of the year. She suggested that mid-January is the earliest option to insure healthy registration rates.
  - d) Chainsaw Workshops, Beginner Level, late January (J Zambo) – Per Carol, reserving the venues can be the most challenging aspect of organizing events and should be undertaken early in the planning stages.
  - e) 2018 Ag & Environmental Awareness Day (Feb 9<sup>th</sup> and 10<sup>th</sup>, 2018) (Angela Liu) - Carol and Lance have volunteered for Friday the 9<sup>th</sup>, and Desiree and Dudley have volunteered for Saturday the 10<sup>th</sup>. The coordinator has graciously provided T-shirts for all four of AAA's volunteers. At last year's event, Desiree encountered heavy rain and had her hands full keeping the borrowed seed collection from being damaged.
  - f) Hawaii Tree Jamboree, Maui- Feb. 2018 (Andrew Kendall) – Andrew announced that Maui Green and Beautiful will be sponsoring the Second Annual Greg Severino Hawaii Tree Jamboree, to take place Maui. Doug "Tree Cutter Doug" Tochtrop agreed to coordinate the event. Andrew extended his appreciation to MGB and Doug for their enthusiastic response and willingness to organize the event. Andrew had received feedback at the February Jamboree that there are climbers in Maui who didn't travel to Oahu for the event but who will participate in when the event goes to Maui. Also, he met climbers from Maui who were excited at the chance to coordinate the event on their island. MGB is already looking for an event location, and will be considering a variety of factors in their selection. The TCIA Winter Management Conference is set to take place on Maui February 4<sup>th</sup> to 8<sup>th</sup>, and the Jamboree will likely be scheduled for the weekend before or after.

- g) Ken Palmer training on Oahu, February 2018 (Dudley Hulbert) – Dudley suggested that we invite him to come to Oahu after he's done at the TCIA Winter Conference on Maui in February. Carol expressed concern about holding too many training events, which can result in low attendance for the events that come later on the calendar.
- h) Aerial Rescue, Climber Training (J Zambo) – Justin passed out documents describing aerial rescue and his professional experience in this area, and sample agenda for aerial rescue training. He is certified by TCIA for aerial rescue, has EHAP certification, and other qualifications. He suggested that the training would be done during the morning, and the participants would be tested in the afternoon. Justin discussed a TCIA program that provides funding support for any company or organization interested in holding a training event. Kainoa made himself available as an instructor for aerial rescue training with a bucket truck, and also is interested in looking into whether he can help with climbing training. Justin will be looking for a rescue dummy in good condition for teaching this program.
- i) Proposed program – Tree worker written exam prep course (Andrew Kendall) – Carol suggested contacting Quenna Johnson and inquiring as to whether she would be interested in being the instructor for this course. Andrew will follow up with everyone on the details of developing the training programs.
- j) Ooma phone service (Desiree Page) – Desiree reported that Ooma is the most affordable service and that AAA should keep using it.
- k) Offer for free media services from Olelo Channel (Kevin Eckert, Andrew Kendall) – Tabled.
- l) AAA Officers and Board members roles and responsibilities (J Zambo, Lance Bookless) – Angela announced that J will be attending the upcoming LICH annual meeting on behalf of AAA, and he also will be representing AAA on LICH's Legislative Committee. There was a brief discussion on identifying a potential new board member to take the place of Steve Nimz, who has been unavailable this year. It was suggested that the topic be added to the agenda for the next monthly meeting.
- m) Treasurer's Report (Desiree Page) – Desiree may move AAA's business to Aloha Pacific Bank.

### 3. New Business

- a) Pest of the Month – Cankers – Excerpted from *Hawai'i Landscape Plant Pest Guide: Plant Diseases*, by Dr. Scot Nelson, University of Hawaii College of Tropical Agriculture and Human Resources (UH-CTAHR) PD-105, January 2015, available at: <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-105.pdf>
  - i. Description: Cankers are sunken areas of dead tissue or splits in the bark or epidermis of branches, stems, or trunks of woody plants. They're primarily caused by pathogenic fungi or bacteria and by physical injuries.
  - ii. Symptoms and Damage: Branch dieback in the upper canopy is often the first noticeable symptom of a canker disease. Foliage on affected branches wilts and turns brown or black. Bark develops sunken areas, with a sharp margin between healthy and diseased tissue, sometimes associated with stem bleeding (oozing sap). Girdling or death of stems, branches, or entire trees.
  - iii. Control:
    - Plant landscape species that are adapted to the local environment in well-drained soils.

- Keep sprinkler irrigation off plant stems. Avoid over-irrigation, and move drip irrigation emitters progressively farther from plant stems over time.
  - For safety, prune away dead or dying branches, as they may dislodge and fall. Make pruning cuts within the healthy wood, away from the diseased wood. Remove and destroy dead or dying trees or pruned branches.
  - Maintain optimum plant vigor by using recommended practices for nutrition, pruning, and irrigation for each tree or plant species. Moderate applications of slow-release fertilizers may improve the health of infected plants; avoid over-fertilization.
  - Avoid transmitting canker pathogens between plants on pruning shears.
- b) Tern Tape Trials (Carol Kwan) – The plastic film tape (same type as “Caution” tape, but blue and marked with white tern information) is being used to warn people about active nesting and/or fledgling going on in a tree. Disturbing white terns nesting or fledglings can carry a fine of up to \$10,000 or more.
- c) Membership Drive (Angela Liu) – The membership drive will start in December. Angela suggested offering an automatic annual renewal option to members, but Carol explained that there is a significant amount of legal requirements and processes surrounding that option.
- d) ISA Publications order (Carol Kwan) – Carol will put together an email to invite members to order copies of the recently updated Z133 safety guidelines. There was a discussion to also build an order of the ANSI A300 pruning Best Management Practices brochure, but the BMP’s for this guideline is not yet available.
4. Announcements
- a) Rosemary “Rose” Kaleleiki-Rollins signed up as new member. She and her husband Keith Rollins, also in attendance at this meeting, have 2.5 acres on the windward side. They have a goal to improve management of the property, and Justin offered to meet with them and help them look at how they might approach the work.
- b) J, Desiree and Angela volunteered for Smart Trees Pacific’s Citizen Forester Training in October and November. J sat on their panel discussion, and Desiree and Angela provided training support to teach the Citizen Foresters how to measure trees and identify species.
- c) Jamilee announced that she has taken a position with Kathy Holzer and Out On a Limb Tree Company in Seattle. She will be moving back to the Seattle area in December. Everyone wished her a fond farewell and best of luck, we will miss her and look forward to her visits.
- d) ***There will be NO MEETING IN DECEMBER. Please join us on:***
- January 17th, 2017, 6:30pm – Monthly Meeting – Location TBD***
5. Adjournment – The meeting adjourned at 8:30pm.

Respectfully submitted,  
Angela Liu

# HANDOUT

Excerpted from *Hawai'i Landscape Plant Pest Guide: Plant Diseases*, by Dr. Scot Nelson, University of Hawaii College of Tropical Agriculture and Human Resources (UH-CTAHR) PD-105, January 2015, available at: <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/PD-105.pdf>

## Cankers

Cankers are sunken areas of dead tissue or splits in the bark or epidermis of branches, stems, or trunks of woody plants, caused mainly by plant-pathogenic fungi or bacteria and by physical injuries.

### Symptoms

- Foliage on affected branches wilts and turns brown or black. Branch dieback in the upper canopy is often the first noticeable symptom of a canker disease.
- Sunken areas on bark, with a sharp margin between healthy and diseased tissue, sometimes associated with stem bleeding (oozing sap).
- Girdling or death of stems, branches, or entire trees.

### What to Do

- Plant landscape species that are well adapted to the local environment in well-drained soils.
- For safety, prune away dead or dying branches, as they may dislodge and fall. Make pruning cuts within the healthy wood, away from the diseased wood. Remove and destroy the pruned branches.
- Avoid using sprinkler irrigation that impacts plant stems.
- Avoid over-irrigation, and move drip irrigation emitters progressively farther from plant stems over time.
- Moderate applications of slow-release fertilizers may improve the health of infected plants, but avoid over-fertilization.
- Maintain optimum plant vigor by using recommended practices for nutrition, pruning, and irrigation for each tree or plant species.
- Avoid transmitting canker pathogens between plants on pruning shears.
- Remove dead or dying trees and destroy them.



Branch canker on mango showing internal branch necrosis and gummosis.



Stem bleeding of a shower tree canker caused by *Phomopsis* sp. and internal stem necrosis.



Stem cankers may consist of longitudinal splits in the bark (here, *Acacia koa*).



Stem canker of rose.



*Phomopsis* stem canker of a shower tree, associated with over-irrigation.