



Aloha Arborist Association
Monthly Meeting
July 19th, 2023 6:30pm

In attendance: Tylor Schwarze, Carol Kwan, Sophia Colella, Justin Barrios, J Oshiro, Elaine Miura, Erck Lux, Ken Leonhardt, Adrian Klasovsky, Angela Liu

Quorum: no

1. Call to Order and approval of June 2023 Minutes. -Table minutes

- 6:40PM

2. Welcome Guests

a. Dr. Kenneth Leonhardt- lecture on the sterile landscape trees his research has created. These are common landscape trees like Monkeypod and Shower trees that do not produce seeds and are thus non-invasive.

- **Creating sterility through polyploid induction, and breeding with interspecific hybrids.**
 - Clones- produce flowers but do not produce a seeds.
 - They have successfully propagated 2 seedless African Tulip trees; they are hard to propagate.
 - Triploids 3N only been successful with Monkey pod
 - Tetraploid induction- treat highly active meristem diploid plants with an anti-mitotic.
 - How does Colchicine work?
 - 1. The chromosome of a cell are duplicated
 - 2. Spindle fibers line up in the chromosome & pulls them into two new cells. Each daughter cell having a single set of chromosomes.
 - 3. Colchicine disrupts the formations of the spindle fibers. The duplicated chromosomes set cannot be separated. All four sets of chromosomes stay in the enlarged cell.
 - Flow cytometry quantifies the DNA. Here it is determined if the tetraploid stage has been inducted.
 - Very low success rate with seedless Cassia.
 - In most of the cases if the propagated tree produces a pod, it has seeds, except one that is a triploid.
 - Cloned Monkey Pod trees are much more vigorous.
 - Q. (J. Barrios)—How does cloning effect bees, pollination, and honey? A- not sure. The trees do flower and the bees are more attracted to the flower opposed to the pods. But not sure, will keep an eye out for bees around the flowers.

- Q. (A.Klasovsky).-- Would that mean that with larger guard cells they are less resistant to drought or more resistant to drought? A—not sure- when a plant is underwater stress, they close their guard cells but not sure what happens when the guard cells are enlarged.
- Carol Kwan-- This may be a good candidate for the Britton Fund grant. thebrittonfund.org. — Carol Kwan

3. Committee and Officer Reports

a. Jamboree

b. Training

i. AAA trainings include First Aid, Aerial Rescue, Pruning, Advanced Climbing

- Justin Barrios- Working on AR training on BI ASAP.
- Historical rates for trainer \$400—closer to \$600 now
- \$150 per head for non-members \$120 for members.
- JB- Does AAA have bullet points for the Agena for AR for CEU preapproval?
 - Just send a quick outline to Rose Eperson. Looking to get 3 CEU's
- AR, First Air, Advanced climber-Oahu specific. Aiming for end of August or early September. Send out Mailchimp asap.
- Tylor is looking for a contact for the Urban Garden Center—Carol has contact will email Tylor.
- Local AAA workshop—Diagnostics
- Native Hawaiian plants 101

c. Treasure reports

- Carol—not sure if new Treasure has started working on AAA stuff. Signature cards need to be signed by past president, current president, and treasure. They can get debit cards.
- Desiree is the only one who has the USPS online contact info. Need to get that from her.

4. Unfinished Business and General Orders

a. Manu-o-Ku- Angela—took the AAA display to the Manu-O-Ku festival.

b. Annual Meeting

5. New Business

- a. WCISA Reginal conference-- week of 10/16 or the week of 10/23. The topic will be pests/diseases (but mostly pests). We're planning to apply for pesticide applicator CEUs in addition to arborist CEUs. John Kabashima, an entomologist from California, has agreed to be our lead speaker. Either

Darcy Oishi or Keith Weiser will give a talk on behalf of HDOA on Oahu. Darcy might be in Guam sometime in October, so Keith is his backup. Darcy wasn't sure if HDOA would fly him or Keith to the Neighbor Islands, so that's still pending. I've also invited the ISC for each island to do a talk about priority pests for their island just before lunch and to host a table with handouts during lunch. If HDOA doesn't fly Darcy/Keith around, then the Neighbor Island ISC person would also cover the HDOA talk.—Carol Kwan

- October 23rd- Kauai
- October 24th- Maui
- October 26th- Oahu
- October 27th- Big Island
- Keynote Speaker John Kabashima from California
- Darcy Oishi or Keith Weiser- Hot pest for each island and possibly Dept of Ag talks.
- Pesticide applicator CEU's

b. Tylor- produce AAA shirts to sell at events.

c. Carol- Looking for the AAA ISA brochures. Angela has a ton and Desiree may have some.

6. Announcements

7. Pest of the Month/ Tree of the Month

<https://hdoa.hawaii.gov/pi/files/2022/12/M.-gladiata-NPA-12-7-22-1.pdf> link to HODA publication on new Banyan pest.

Meeting adjourned: 8:15PM

Join us for our next monthly meeting!

August 16th, 2023 at 6:30PM