**Aloha Arborist Association**

**Monthly Meeting**

**July 22nd, 2020, 6:30PM**

 **- Via Zoom -**

In Attendance: Desiree Page, Alden Justin Barrios, Kevin Eckert, J. Zambo, Angela Liu, Dudley Hulbert, Tylor Schwarz, Jolie Dollar, Will Loomis, Carin Prechtl, Carol Kwan, Sergio Vasquez

1. Call to Order and Approval of May and June 2020 Meeting Minutes

Call to order 6:55pm

Approval of draft minutes from May, June passed.

1. Welcome Guests
2. Reports of Officers and Standing Committees
	1. Treasurer’s Report - tabled
	2. Training Committee
		1. Training event Calendar
			1. Progress Update

Action Item: Jolie to create calendar on website with HCC, LICH, ISA

* + 1. Webinar on Diagnosis/Treatment of Pests & Diseases,
			- 1. Christopher Luley – Wood Decay Fungi

½ or 1 day?

Timing from early Sept. to Dec.

We can specify what pests/topics to discuss

Basic intro and what characteristics that lead to decay, failure, etc.

Action Item: Jolie to connect with C. Luley

* + - * 1. Other session ideas: COVID safety
				2. Carol Kwan tells about Jessie Glaeser’s previous talk (past agenda attached to minutes)
		1. Open Chair position – tabled - training chair open, Justin D. is not present

 Idea to have one person per island as part of the training committee

* + 1. Recap/ fill us in
			1. Matt Ritter’s Hawaii Island Selectree Database presentation
			2. Eucalyptus Webinar
	1. Jamboree Committee
		1. Progress update
		2. Action Item: Desiree to send out survey for constructive criticism

Insurance – get quotes, pyramid insurance (Sergio)

1. Unfinished Business and General Orders
	1. Board elections
		1. Slate of Nominees
			1. Past President – Dudley Hulbert
			2. President – Desiree Page
			3. Vice President – Sergio Vasquez
			4. Secretary – Angela Liu-Kelley
			5. Treasurer – Carol Kwan
			6. Director – Justin Barrios
			7. Director – Carin Prechtl
			8. Director – Tylor Schwarz
2. New Business
	1. Revisiting out Vision Statement and Mission Statement
		1. A mission statement is intended to clarify the what, who, and why of a company. On the other hand, a vision statement describes where the company wants a community, or the world, to be as a result of the company's services. A mission statement is the roadmap for the company's vision statement.
		2. Action Item: Jolie to send out current vision and mission statements for review to Board
	2. Kaulunani Council’s Policy Committee would like to poll AAA’s membership regarding tree related ordinances
3. Educational Discussion (7:45 – 8:15 pm)

1/2 hour discussion on avocado lace bug ID, effects, and treatment in Hawaii

[Hawaii Department of Agriculture Information Sheet](https://hfbf.org/alert-new-pest-avocado-lace-bug-pseudacysta-perseae/)

AAA members describe instances where they have seen avocado lace bug and its damage.

Discussion on treatment options (ex: neem, systemic insecticide)

1. Announcements
	1. CTW / CA exam makeup on August 8th
	2. ***Please Join Us On****:*

*August 19th, 6:30PM – Monthly Meeting – Location: Zoom*

Meeting adjourned at 8:30pm

Western Chapter, International Society of Arboriculture Workshop

Jessie A. Glaeser, U.S. Forest Service, Madison, WI

Talk 1 - “Attack of the Fungi”

I. Disease triangle – host/pathogen/environment

A. Host –

 1. Diversity of hosts in the landscape

 2. Wood anatomy – conifers, hardwoods, palms

 3. Wood chemistry – lignin, cellulose, hemicellulose

 4. Compartmentalization

B. Environment – soil/nutrients, moisture stress and how they affect disease development (opportunistic vs true pathogens).

C. Pathogen groups

1. Viruses, bacteria, phytoplasmas (overview)

2. Fungi

 a. Taxonomy – Oomycetes, Ascomycetes, Basidiomycetes, Imperfects

 1. Use of Latin binomials

 2. Why do names change?

II. Disease types (with examples but only superficially – details of specific diseases in Talk #2)

 A. Wilts

 B. Cankers

 C. Stains

 D. Rusts

 E. Decays

 1. Root and butt rots

 2. Sap rots

 3. Heart rots

 4. Canker rots

III. Fungal identification

 A. Ascomycetes – perithecia/apothecia “bumps on sticks”

 B. Basidiomycetes – rusts

 C. Basidiomycetes – decay fungi

 1. Types of hymenophores – gills, pores, teeth, flat

 2. Fruiting body shapes

IV. Bizarre fungi (mulch and organic matter) and fungal mimics – stinkhorns, jelly fungi, bird’s nest fungi, slime molds, lichens, insect galls, nutrient deficiencies

IV. Documentation and collection of specimens

V. Resources for fungal identification

Talk 2 - Tree Diseases of Hawaii

1. Palm diseases

 a. Bud rots – Phytophthora and Thielaviopsis

 b. Trunk rots – Thielaviopsis

 c. Stem bleeding of coconuts – Ceratocystis paradoxa (formerly Thielaviopsis/Chalara)

 d. Pink rot – Gliocladium

 e. Pycnoporus cinnabarinus on coastal coconut

2. Diseases of hardwoods and conifers

 1. Rusts

 a. Plumeria – Coleosporium plumeriae

 b. Ohia, Myrtle rust – Puccinia psidii

 c. Rust mimic – lychee erinose mite

 d. Koa rusts (Atelocauda and Endoraecium species)

 2. Leaf spots and anthracnose - Colletotrichum gloeosporiodes on mango and avocada

 3. Wilts

 a. Ohia wilt, “rapid Ohia death” – Ceratocystis fimbriata

 b. Koa wilt – Fusarium oxysporum f. sp. koae

 c. Polyphagous Shot Hole Borer and Fusarium euwallacea [Disease alert\*]

 d. Laurel wilt [Disease alert\*]

 4. Stains and “stem blights”

 a. Stain of wounds in Koa

 b. Phytophthora stem blight of citrus and papaya

 5. Root and butt rots

 a. Phellinus laminensis

 vs. P. noxious – [Disease alert\*]

 b. Phaeolus schweinitzii

 c. Armillaria spp. – not currently much of a problem

 6. Heart rots

 a. Laetiporus sp. on Koa/eucalyptus

 b. Phellinus kawakamii heart rot on koa and base of ironwoods

 c. Fusiporia gilva (Phellinus gilvus) on koa

 d. Phytophthora katsurae on coconut palm

 e. Koa defect

 7. Saprotrophs – sap rots and nondecay fungi that use trees as a surface for growth

 a. Schizophyllum commune

 b. Polyporus arcularius

 c. Microporus flabelliformis

 d. Gloeophyllum striatum and G. trabeum

 e. Stereum hirsuitum

 f. Ganoderma australe

 g. Merulius tremullosus

 h. Trametes versicolor

 I. Jelly fungi – Earliella scabrosa, Dacryopinax spathularia, Auricularia cornea, Tremella sp.

 8. Declines – Casuarina decline of Guam [Disease alert\*]

Disease alert – diseases not currently found in HI but potentially invasive and need to be looked for.