Invasive Ambrosia Beetle Conference

The Situation in California

August 14, 2012

PUBLIC MEETING

Meeting sponsored by:

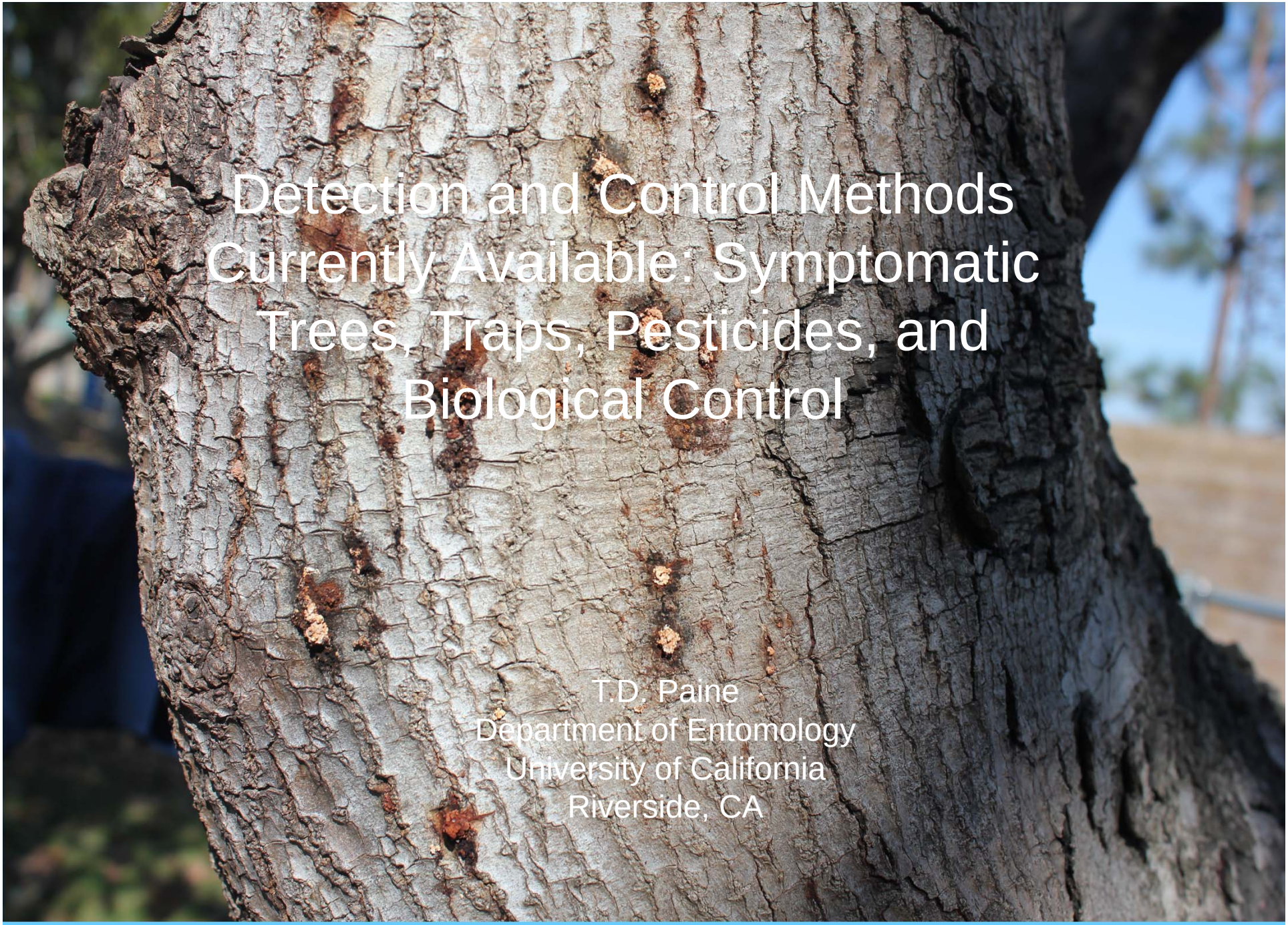
The Hofshi Foundation

University of California, Riverside

UC Center for Invasive Pest Research

The Huntington Botanical Gardens

The Los Angeles Arboretum



Detection and Control Methods Currently Available: Symptomatic Trees, Traps, Pesticides, and Biological Control

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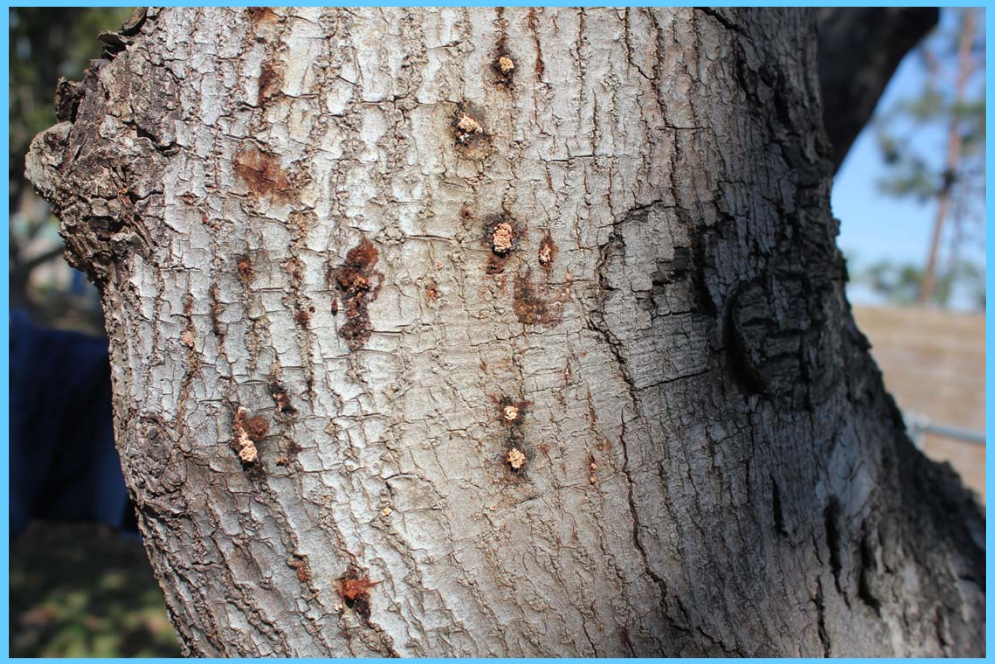
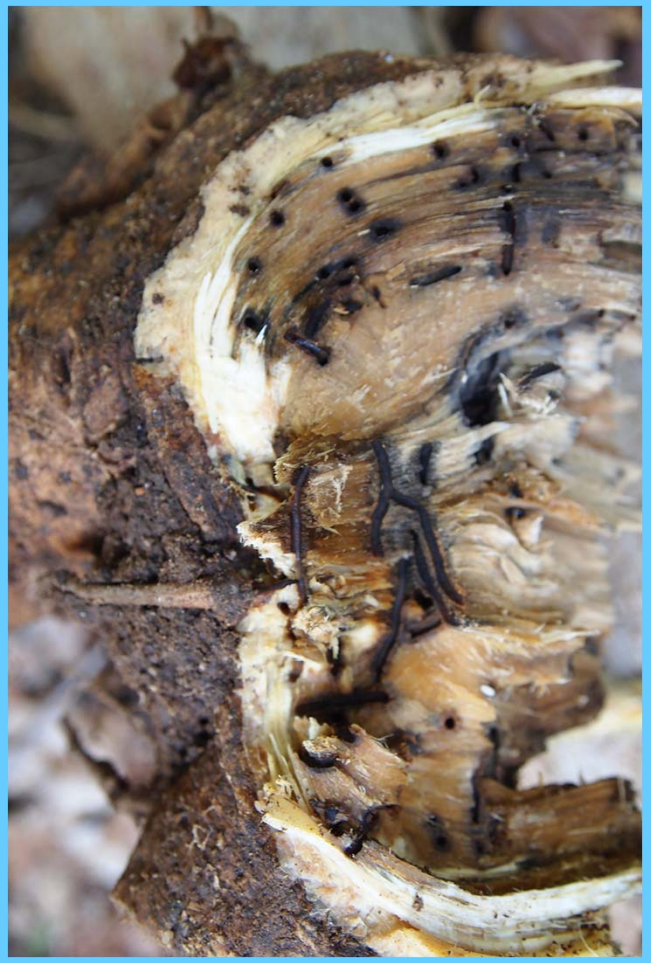
Identification of Symptomatic Trees



Beneath the Bark



Strategies to Limit Movement and Tactics for Management

- Routes of facilitated movement – identification and reduction
- Previous efforts with similar species – where are the successes

Trapping

- Assess population activity and relative abundance
- Trap design – purple prism, multiple funnel, yellow card
- Attractive lures ?

Cultural Control and Sanitation

- Tree removal
- Treatment of slash and debris
- Chipping or grinding
- Solarization and composting
- Firewood movement

Mark Adams, Downey Trees, Bugwood.org

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Joseph O'Brien, USDA Forest Service, Bugwood.org

Chemical Control

- Insecticides and bark beetles – getting the material to the target
- Systemic insecticides – new materials and delivery, injections or drenches
- Contact insecticides – barrier sprays
- Value of trees and cost of treatments

Biological Control

- Native natural enemies shifting to a polyphagous invasive species
- Potential for introduced natural enemies
- Biological control of fungal associates

Research and Implementation

- New species and new environment
- Start with the experience of others – related species or different environments
- Adapting methods to the California conditions and California stakeholders