

Front Range Urban Forestry Council Meeting

January 2017

January 19, 2017

Location: Denver Botanic Gardens, Mitchell Hall

Next Meeting Date: March 16th, 2017

Location: Louisville City Services Building, 739 S. 104th Street, Louisville, CO 80027
The Nature Conservancy's Urban Conservation Initiative
Same Tree, Different Day Project

Upcoming Events

ISA Legal Workshop May, 2017. Details will be available on the ISA-RMC website as the event gets closer.

Northern Colorado Pest Group meetings will resume in May, 2017. Dates and times TBD.

Denver Pest Group meetings will resume in May, 2017, and will be the Wednesday following the NoCo Pest Group meetings.

Volunteer days for the Al Rollinger 50th Anniversary Tree Survey: May 30th and June 22nd, 2017. Contact Ann Frazier at the Denver Botanic Gardens for more information: Ann.Frazier@botanicgardens.org.

Plant Health Care Workshop, June 15th, 2017, the Hilton, Fort Collins. Registration will be available on the ISA-RMC website soon.

Pesticide Applicators' Workshop, November 9-10, 2017, Denver Police Protective Association.

Committee Updates:

Program Updates:

- A huge thanks to DBG for hosting and presenting part of the program! Always nice to meet at this location.
- The next meeting is scheduled for March 16th in Louisville. The program will include presentations on The Nature Conservancy's Urban Conservation

Initiatives and the Colorado Photography Learning Group's (Mike Pach) 'Same Tree, Different Day' project.

- **The CTC is a non-profit organization, and membership is only \$15/year. Please consider signing up today!**
- Membership dues go toward projects such as adding new/updating CO-Tree View functionality.
- The 2017 champion tree list is on the CTC website, and can be accessed [here](#). Contact Keith Wood for more in-depth information on individual trees: keith.wood@colostate.edu.

Tree Risk Assessment (Bill Cassel):

- The draft of the 10th ed. of the Guide for Plant Appraisal is out for informal peer review now. This guide can be accessed on through the ISA website: <http://www.isa-arbor.com/newsroom/industrynews/index.aspx>. The new program is in line with other appraisal disciplines. Pay special attention to Chapter 5, Cost Approach.
- Updates are being made to the default CSFS Tree Risk Assessment form that has been used for a while. This is not truly an assessment form.
- This year's Pesticide Applicators' Workshop will take place November 9th-10th at the Denver Police Protective Association near I-25 and Zuni.
- The ISA-RMC will sponsor a Legal Workshop in May focusing on gathering evidence and boundary line issues. More details will be available soon on the ISA-RMC website.

Select Tree Program:

The STEP tree for 2017 is David Elm. This species was evaluated a few years ago but Tim would like to get more out for evaluation. Several cities have mentioned they are interested in this species.

Email Tim Buchanan at tbuchanan@fcgov.com if your city is interested in getting three trees this spring.

EPIC:

- Northern Colorado Pest Group meetings will start again in May, 2017. Time and location information will be available soon.
- Denver Pest Group meetings will be the Wednesday following the Northern Colorado Pest Meeting.
- The 2017 Plant Health Care Workshop will be on June 15th at the Hilton in Fort Collins.

Colorado Tree Coalition (Chuck Gehringer):

- The next CTC board meeting will be Friday, January 27th.
- Chuck Gehringer is the new President of the CTC.
- Grant application reviews taking place now.

ISA (David Flaig):

- Scott Grimes is the new head of the Education Committee. Look for several new programs in the coming year. Check the [ISA-RMC](#) website for information on upcoming workshops and events.

Community Reports:

Dan Staley of Analemma Resources will fly drones over local ash trees to gather hyperspectral imagery of trees to establish a baseline to determine whether or not they can use this imagery to detect ash trees infested with EAB. If you know of infested trees or would like to collaborate on this project, contact Dan at staley.dan@gmail.com.

Rollinger Tree Collection 50 Year Survey Project (Ann Frazier, Panayoti Kelaidis, Denver Botanic Gardens):

Upcoming survey volunteer days: May 30th, 2017 and June 22, 2017. More will likely be added in the fall. Contact Ann Frazier at the Denver Botanic Gardens for more information: Ann.Frazier@botanicgardens.org.

Denver Botanic Gardens (DBG) has started a new project in collaboration with the Denver City Forester, Master Gardeners, the Colorado State Forest Service and the Colorado Tree Coalition.

Al Rollinger: In 1968 Al Rollinger, a landscape designer, decided to do a street-by-street survey of the interesting trees in Denver to get an idea of the diversity of trees in Denver and surrounding areas. The trees were recorded on 3x5 index cards stored at the office of the Denver City Forester. Many of the trees were planted in the 1890s.

Ann Frazier: DBG is performing a survey of the trees to commemorate the 50th anniversary of Al's original survey. He surveyed approximately 1,100 trees in 46 different species. He recorded the general location, species, caliper at 18", and estimated height. The original survey was made into a printed mimeograph, and a few copies still exist.

Once the survey is complete, DBG is hoping that by comparing the data collected with the original data Al collected, conclusions can be made as to what trees are doing well, and some insights can be made as to the future of trees in Denver. Data will include survival rates, growth rates, growth patterns as they relate to site/environmental factors, and a comparison to current and past champion trees.

The data will be accessible through the office of the Denver City Forester. People wanting to perform their own analyses will have access to the data.

Although most of the trees are in Denver, there are also some in Lakewood, Wheat Ridge, and Arvada. There are approximately 600 trees in Denver, many in parks and cemeteries. The trees will be input into GIS and Google Maps.

A test run was done in October, 2016. The group surveyed trees at the Denver Country Club, in the South Park Hill neighborhood, and City Park. There have been some access/permission challenges in resurveying the trees, but the most challenging aspect has been locating the original trees in parks and cemeteries. People familiar with the history of these locations and original tree placement are invaluable in this process. DBG will continue to seek help from these individuals.

As of now, they have found approximately 67 of the original trees. 37 appear to be gone, and there are 6 that are uncertain.

Survival rates appear to be better in neighborhoods than in parks. About 2/3 of the neighborhood trees on the list so far have been located, only about 1/2 in parks.

Next steps: The group will collaborate with city foresters in outlying areas to survey trees in Wheat Ridge (53), Englewood (8), Littleton (2), Edgewater (5), Lakewood (42), and Arvada (48).

There may be a possible FRUFC day of service to help survey some of the trees.

Data collection and clean-up will wrap up in 2018, and the 50th anniversary publication is scheduled to be available in 2019.

[The Rocky Mountain Tree Man: A Jerry Morris Video, Gavin Culbertson, Denver Botanic Gardens](#)

Jerry Morris planted many trees locally, including at DBG's Chatfield location. Jerry was hired by Bill Ziff, publishing magnate, to create an arboretum at his Aspen, CO property. Three private Ziff arboretums exist today: one in NY, one in FL, and one in Aspen.

Jerry moved and transplanted many large, mature trees. Thousands of trees were planted on the Ziff property. The Ziff family have never allowed recording or photography on the grounds, but Gavin Culbertson in the IT department at DBG, was granted access to the Aspen property. Gavin, who has a background in videography, is making an hour-long documentary about Jerry and the arboretum titled "The Rocky Mountain Tree Man". The documentary is expected to be completed this fall.

A snippet of the documentary was shown to attendees.

CO-Tree View Updates, Ian Hanou, Plan-It Geo:

Sixty-one organizations have signed up for an account, and there are now 540,874 trees in CO-Tree View's inventory system. Upgrades to CO-Tree View have included enhanced reporting features, Ecosystem Valuations for individual trees and complete inventories, DBH symbology, and Google Street Views for most of the trees on the site.

Two updates covered today include the Off-Line Collector and EAB Cost Calculator Tool as well as a demonstration of the new ability to save and share interactive URLs for filtered maps.

In the works: GPS feature collection, auto app builder and CTC Tree Collections.

Interactive Map URLs:

- There is now the ability to save maps to an interactive URL.
- Can create a specific filter and define map parameters, as well as create interactive legends. Map layers and label settings are preserved when sharing the URL.
- Filter templates can be saved/shared (e.g. all large ash trees in poor condition).
- All individuals with logins for your organization can see your filters.

EAB Cost Calculator:

- This feature was just turned on January 26th.
- When using this feature, you will only be able to view trees within your organization.
- The calculator is cloud-based, so there is no need to download an external app.
- This is more of a map-based calculator, which differs from the Purdue EAB Cost Calculator.
- Calculations can be done based on inventoried trees, or an estimate can be provided based on size class.
- The defaults in the calculator can be adjusted based on individual organizations' management activities (treatment, removal, etc.).
- Cost of treatment is not based on products, but on treatment frequency/rotation.
- Different scenarios can be named and saved, and side-by-side comparison functionality is available if logged in under an organization.
- Information about the assumptions in the calculator can be accessed by clicking on the question marks by different fields.
- Custom searches can be performed, including the ability to define condition classes.
- Ability to print PDF reports.

Offline Collector App:

- Better for smaller devices.
- For use when you don't have or want to use data.
- This is a browser-based feature and does not require downloading a separate app.
- Use the feature to download a base map/selected area to edit offline in the field.
- There is a sync data button that will integrate data collected in the field offline with the organization's inventory.
- The feature can be opened from TreePlotter.
- There is an intro video/demo on the Plan-It Geo TreePlotter website.
- Symbols are color coded to indicate which trees have been added/edited offline.

CTC Tree Collections App, Kyle Sylvester and Ian Hanou:

- Thanks to Xcel Energy for their sponsorship, which went toward creating this app.
- This is an educational/outreach tool whose purpose is to highlight notable trees in the state, and to create interactive tree collections that can be accessed by anyone.
- Can be used with a smartphone.
- QR codes are used to access a specific collection, and a larger, general description of each tree species will be available.
- Champion Trees that are publically accessible will be added to the app.
- Users will be able to find the nearest tree collection.