

Volume 215

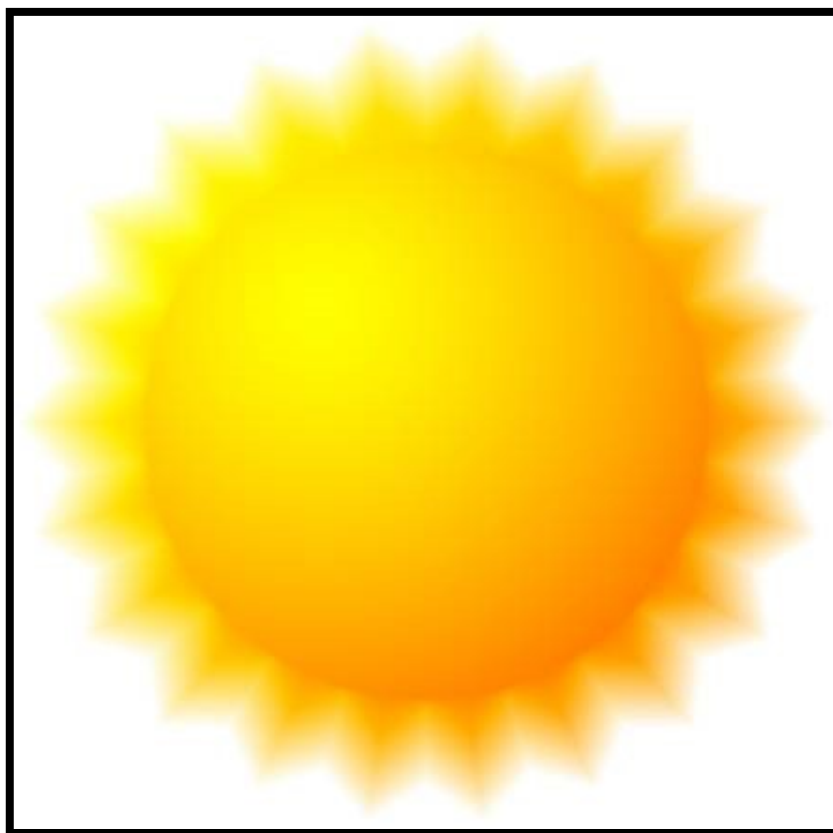
August 2020



INDIANAPOLIS BONSAI CLUB

The Bonsai Creation

IBC



**It's August in Indiana. Protect your trees.
It can get hot, hot, hot!**

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From the President



elcome, and to answer your first question, we ARE going to have our August meeting, with caveats. The meeting will be held outdoors in the Garfield Park picnic pavilion. Our esteemed Mayor has mandated the wearing of masks and the 6ft spacing directive will be followed.

As to your second question, what are we going to do? We looked at the 2020 Schedule of Events and guess what, the planned program is perfect. A bring your own tree bonsai critique. Yep, bring that tree you don't know what to do with and I feel sure there will be plenty of suggestions, some good and a few not so good. Your choice.

Every bonsai exhibit and sale the IBC has participated in the past has been cancelled this year (Flower and Patio Show, Garfield Park Exhibit, Indiana State Fair and Penrod Arts Fair) along with the anticipated revenue, both to IBC members and the IBC. The Flower and Patio Show notified us that rather than refunding fees we have paid for next years show. Our agreement with the State Fair committed the IBC to pay at the end of the Fair, so no Fair, no pay, while Penrod is going to refund fees.

The bonsai sales at these events are the primary source of income for the IBC and help us keep the annual dues at a minimum. Fortunately we have had only one major financial minus this year, the printing of 10000 Calendar handouts. I know, 10000 sounds absurd so let me explain. We started last year with 1500 and ran out at the Flower and Patio Show so we printed another 3000 for the State Fair and Penrod and ran out. We ordered 5000 this year and the printer said "have I got a deal for you", for a few more dollars I can print 10000. Guess what we did. We now have 9912 obsolete hand outs. We thought about taking a felt pen and updating the dates for 2021 but guess what, there are 27 dates on each handout, or 267,624 revisions. Need I say more?

I do have a positive item to report, We are in discussions with the White River Gardens at the Indianapolis Zoo to have a Bonsai Exhibit in the Greenhouse. One scenario has the exhibit running from early September through the end of November. Obviously this would be a tropical exhibit only and I will keep you posted. Just had a thought....I wonder if there might be 9912 visitors?

Paul Weishaar



Tropical trees were shaped and styled in the great outdoors of Garfield Park. Our “return to Nature” meeting!

Minutes: July 1, 2020

July’s meeting was held at the outdoor picnic shelter for social distancing. Several members sold trees and supplies at the club swap sale. Tropical trees were also for sale as part of the tropical tree workshop.

Keeping your Bonsai Bonsai Cool (Revisited)

Ron Fraley

In 2018 I had an article published in *Bonsai: Journal of American Bonsai Society* that discussed the internal temperatures of bonsai pots during the summer, specifically cloudless 90° F days. It is good time to readdress this topic, since our temperatures are in the high 80s and 90s.

Since that article was written there have been some dissenting articles discussing heat reduction in pots and articles regarding summer dormancy of our trees. My article addressed the effects of pot color on the soil temperatures, with some other take home points.

Photosynthesis occurs within the trees on a regular basis. Let us address some of those points providing nutrients for the trees and the consumption of Carbon Dioxide. This process is impacted by several variables, sunlight, water, and temperature are the main variables. Scientific studies from horticulturist and arborists indicate that for photosynthesis there is a range for maximum efficiency, with reduced activity in both very cold (32°F) cold and hot environments (95°F+). Plants are at their peak efficiency for photosynthesis around 64°F, temperatures below and above that point reduce the process. Temperatures above 95°F cause photosynthesis to almost come to a complete halt. As the temperature rises to near 122°F the survivability of most deciduous trees drops to near zero.

In my study the dark and light blue pots absorbed and retained heat longer than any other color. Interesting the natural color (brown to tan) of the unglazed pots were coolest over 50% of the time. The maximum soil temperature of any pot exceeded 120°F.

Our goal is to have our trees maintain optimal health. Part of our actions to maintain photosynthesis is to modify the high heat and cool the plants and roots as much as possible. Here are some suggestions:

- Install a misting system to help reduce the ambient air temperature.
- Frequent watering of the trees
- Provide shade for the trees
- Moisture trays for all trees.

Installing a misting system is somewhat expensive and will raise your water bill significantly.

Frequently watering of the trees will work to cool

the roots, depending on your work schedule this may not be possible. Be mindful that if your hose is sitting in the sun the first few moments of water flow will be ridiculously hot.

Providing **shade** can assist in reducing the pot and tree temperatures.

Evaporation trays work well by cooling the micro-en-

Dark Blue	hottest 70% of time
Dark Blue T-Shirt	
Light Blue	Second hottest 60% of time
Light Blue T-Shirt	
White	
White T-Shirt	
Green	
Green T Shirt	
Black	Second coolest 40% of time
Black T-Shirt	
No Glaze	Coolest 50% of time

vironment. The water in the trays evaporates and this process releases heat which will in turn reduce the temperature near the pots.

What I do during the heat waves is a combination of the last three. I have set up an automatic sprinkler system with micro drip heads that water my trees several times a day, even if I am not around. Along with this each pot is sitting in an evaporation tray. Shade is the tough one, I have positioned my trees, so they are in direct sunlight after 11:00am to about 5:00pm. Additionally, only one pot is blue, and that group of maples are not doing well this year.

Regarding the micro drip system, locally these systems can be found at Menards, or you can order parts online from drip works, a California based company. It will take some time to determine the best water flow for your trees.

2020 Midwest and Eastern USA Bonsai Events

***Cancelled due to COVID-19**

(Please Check w/event organizers for latest updates)

February 15-16 Knoxville Bonsai Society Annual Show. Knoxville Botanical Garden/Arboretum. Knoxville, TN.

March 7 Brussels Spring Sale. Brussels Bonsai Nursery. Olive Branch, MS.

***March 14-22** Indiana Flower and Patio Show IBC Bonsai Sale. Indiana State Fairgrounds. Indianapolis, IN.

March 13-15 Atlanta Bonsai Society Spring Show. Atlanta Botanical Gardens. Atlanta, GA.

***March 28** IBC Bonsai Class 101. Garfield Park Conservatory. Indianapolis, IN.

***April 17-19** Mid Atlantic Spring Festival. Holiday Inn I-81 Exit 80. Granville, PA.

May 1-3 Potomac Bonsai Association Festival. U.S. National Arboretum. Washington, DC.

May 9 WORLD BONSAI DAY

May 9 Nature's Way Nursery's 47th Anniversary Festival. Nature's Way Nursery. Harrisburg, PA.

***May 9-10** Michigan All State Show. Meijer Gardens. Grand Rapids, MI.

May 9-10 Mid-Appalachian Bonsai Kai Annual Show. Kingsport Civic Auditorium. Kingsport, TN.

May 14-17 Bonsai Vision 2020, Drury Plaza Hotel. San Antonio, TX

***May 22-24** Brussel's Rendezvous. Brussel's Nursery. Olive Branch, MS.

May 22-24 47th Annual Bonsai Societies of Florida Convention. Florida Hotel and Convention Center. 1500 Sand Lake Road. Orlando, FL

June 6 Wellfield Botanic Gardens Bonsai Show. Wellfield Botanic Gardens. Elkhart, IN.

June 6-7 Garfield Park Bonsai Exhibit. Garfield Park Conservatory. Indianapolis, IN.

***June 6-7** Satsuki Workshops. Matthaei Botanical Gardens. Ann Arbor, MI.

June 13-14 25th Annual Carolina Bonsai Expo. North Carolina Arboretum. Ashville, NC.

***June 25-28** MABA Bonsai Convention. Four Points Sheraton Milwaukee North Shore. 8900 N. Kildeer Court. Milwaukee, WI

June 27-28 Cleveland Bonsai Club Summer Show. Rockefeller Park Greenhouse. Cleveland, OH

July 11-12 Triangle Bonsai Society Annual Show. Duke Gardens. Durham, NC.

July 18-19 Nashville Annual Bonsai Show. Cheekwood Gardens Nashville, TN.

August 7-16 Indiana State Fair Bonsai Exhibit. Agriculture/Horticulture Building. Indianapolis, IN

August 8-10 Four Seasons 50th Annual Bonsai Show. Bordines Nursery. Rochester Hills, MI

August 14-16 Chicago Bonsai Show. Chicago Botanical Gardens. Glencoe, IL.

August 29-30 Ann Arbor Bonsai Society Show. Matthaei Botanical Gardens. Ann Arbor, MI

September 12 Penrod Arts Fair Bonsai Sale. Newfields (Indianapolis Museum of Art) Indianapolis, IN

September 12-13 U.S. National Bonsai Exhibit. East Rochester, NY.

September 12-13 Bonsai Society of Greater Cincinnati Fall Annual Show. Krohn Conservatory. Cincinnati, OH.

September 12-13 NVBS Fall Show. Meadowlark Botanical Gardens. Vienna, VA.

September 20 Hidden Lake Gardens Art of Bonsai Exhibit. Hidden Lake Gardens, MI.

***October 8-11** ABS – BCI – NBF – PBA Convention 2020. U.S. National Arboretum. Washington, DC.

Indianapolis Bonsai Club

Date & Time: April & May, June Meetings canceled due to the Corona Virus. July Was a tropical Workshop.
No business Meeting, No minutes.

Location: Garfield Park Pavilion 1

Presiding: Club President Paul Weishaar

Checking/Savings Balance: June 30, 2020

Checking: \$474.85

Savings: \$7,201.86

Total: \$7,676.71

Dues for the 2020 year are now being accepted, and a new directory and brochure are available.
Contact Steve Dick

****No meetings in April, May, June due to the Corona virus**



Date 2020 Meetings	Program
January	No Meeting
February 5	Grafting Demo
March 4	Suiseki Presentation
April 1	How to Display Your Bonsai
May 6	Meeting Cancelled
June 3	Meeting Cancelled
July 1	Tropical Workshop
August 5	Bring Your Own Tree Bonsai Critique
September 2	Annual Members Only Auction
October 7	Evergreen Workshop
November 4	Pinch Pot Workshop
December 2	Christmas GALA

IBC Board of Directors

2019-2020 Officers

Paul Weishaar – President
Scott Yelich – Vice President
Bob Hoy – Treasurer
Alyssa Batula – Secretary
Carl Wooldridge - Past President

Reminder: the August and September meetings are currently scheduled to be held in the Garfield Park Pavilion, as was July.

**For the most up to date calendar, visit our website:
www.indybonsai.org**

Club Information

Visitors are always WELCOME!!!

Where: Garfield Park Conservatory
2450 Shelby Street
Indianapolis, Indiana

When: First Wednesday of each
month

Time: 7:00 pm

Club Dues: Dues are \$25 per calendar
year. Cost includes (up to)
two members of the same
household.

Club Officers+ 2019-2020

President	Paul Weishaar
Vice President	Scott Yelich
Secretary	Alyssa Batula
Treasurer	Robert Hoy
Past President	Carl Wooldridge
Membership	Steven Dick
Web Master	Scott Yelich
Volunteers	Steven Dick
Historian	Ron Fraley
Librarian	Paul Weishaar
MABA/BCI	Paul Weishaar
ABS	Mark Fields
Garfield Curator	Paul Weishaar
Publications/Photos	Bob Hoy

Support our Corporate Sponsors

Bonsai by Fields (Mark Fields)

Circle City Bonsai (Bob Hoy)

Eagle Creek Bonsai (Scott Yelich)

Checkout the IBC website:

www.indybonsai.org