



**Friends of the Anne Kolb Nature Center**  
751 Sheridan Street  
Hollywood, FL 33019  
(954) 357-5161

## March 2022 Friends of Anne Kolb Nature Center Newsletter

Dear Friends,

Many of us have heard the saying, “ It takes a village to raise a child”. Well, I think we can all agree that it takes a village and then some to keep our environment clean and healthy. Locally, the work is ongoing from our Friends volunteers working by land and water, to our high school, university, and corporate partners. Recently, we have had six scheduled volunteer groups come out in February in addition to our regularly scheduled patron Eco-action workday to make a difference by picking up trash and removing invasive exotics in the natural areas of Hollywood North Beach Park.

On Saturday, March 5, 2022, we will once again be a local community site for the Broward County Waterway Clean-up. You can register online at [Broward County Waterway Cleanup](#) The event is from 9:00 a.m. to 1:00 p.m. Anne Kolb is one of over 30 sites to participate each year. The Broward County Waterway Cleanup is the largest and longest running environmental cleanup event in the county. It first started in the late 1970’s and is organized by the Marine Industries Association of South Florida.

Along with group cleanups and the Waterway Cleanup, we have our Eco-action Days held on the third Saturday of the month from 9:00 a.m. to noon from October to May. Feel free to come out and join us.

On Sunday, March 6, 2022, the Sierra Club will host an early Earth Day Event from 10:00 a.m. to 5:00 p.m. There will be environmental speakers in the Mangrove Hall, informational booths, live music, mini kayak tours, free strolls, arts and crafts in the Exhibit Hall and more. **Volunteers are needed.** Come out and join us as we celebrate the Earth and continue to stay informed about important environmental topics and issues.

It takes a community to keep our local environment clean and healthy!

Fondly, Joanne



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## **Upcoming Volunteer Opportunities**

- **Newsletter Volunteers needed. (Contributors)**

Approved volunteer activities are:

- Volunteers/Friends who pick up trash along the kayak trails, triplex grounds and fence lines.
- Volunteers/Friends to hand pull weeds in the butterfly garden and beds.
- Volunteers/Friends to remove invasive, exotic plants at Anne Kolb and the natural areas of Hollywood North Beach Park.
- Friends of Anne Kolb involved with routine Friends activities such as gift shop inventory, photography, etc.

**See end of newsletter for March and April opportunities!**

Feel free to contact Joanne Howes for the forms or if have questions. Thank you.

stay  
safe  
and  
healthy!



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## **Friends of Anne Kolb Volunteer Meeting Minutes- February 3, 2022**

Present: Joanne Howes---Rockell, Margaret, Jo R, Kathy and Dave, Ester and Rob F, Art, and Peggy.

"MUNCH & LEARN" in our new format will be Feb. 25 and March 18 at 2 PM. Friends need to be here by 12:30. Barbara is getting cookies and putting them in zip-locs. Margaret is getting together with someone at Starbucks, and will take care of having the coffee and tea. Rob and Don will start the pot for coffee and hot water. Margaret is making up a raffle basket with tickets for sale at the plant sale and on the day of the "M & L". They will have a telephone number for calling the winner. \$2.00 for each and 3 for \$5.00. As previously decided there will be 12 tables with 6 chairs at each. Chairs will be in the back for anyone wishing to sit separate. We'll have a voluntary donation box, a table for the cookies, and separate tables for the tea and coffee.

Plant sale: Be here by 8:00 am on the 12th. Peggy made up cards with the plant names and discription. There will be an orchid vender, as well as the natural plant venders and our sales table.

Joanne has some fake furs for demo and tactile education. She would like to purchase more. Margaret made a motion: The Friends will "give her up to \$500.00", and it was approved unanimously. Dave will bring in some bird feathers. Dave is also bringing in a "trail" camera for Art to experiment with.

Trail head signs are almost done.

March 6-10am-5pm is the Sierra Club "Earth Day" event. Friends need to be here by 9:00. There will be food trucks, a band, tables and demos by environmental groups, speakers, an art contest for 20 contestants, kayack tours, crafts, mini hikes, our booth, and more. Peggy is going to use milkweed for the seed planting. She will take more toilet paper rolls if you have them. Last year attendance was over 100 !!

Volunteers are needed for the Waterway Clean-up on March 6 from 9am to 1:00

The Music Club is doing a Croation Community Orchestra Concert on March 13, from 1:00-3:00pm. Volunteers usually "man" the gift cart and bring over a donation box. Esther and Bob will be there.

Workdays at Green Street will be on February 19, 22, 23, 24, & 28th. They are school groups that meet at the Carpenter House at 9am.  
volunteers are welcome.

Kathy will send a thank you to a Helen Kuzina for a large donation.

Respectfully submitted: Kathy Hinman Recording Secretary.

**NEXT MEETING: March 3rd in the Mangrove Hall at 7pm!**



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### VENOM

Bob Goldberg

“BEACHES CLOSED”. “NO SWIMMING”.

As the waters warm, and the visitors swell, we see the above notices many times. But do we firmly understand the reasons for these postings? The culprits are many, but mainly it is the invertebrate Portuguese-man-of-war, with their stinging cysts, and the vehicle is venom.

Both vertebrates as and invertebrates cause the closing of beaches, but the invertebrates lead the way. Reports of scorpion attacks, spider bites, and fire ant infestations add to the angst felt when encountering the word venom. Vertebrates are not immune to having this reputation, as there are snakes, frogs, and even a mammal, the platypus, that use venom to enhance its existence. The platypus has the venom in leg spurs for defensive action. A few species of urchins contain venom in the spines. When stepped on, the spines break off, and venom is injected, causing pain. In this case, there is no great danger as the venom does not attack vital systems. They are sending the message “keep off”, and the animal world, including humans, have taken note. Even botanically, think of ivy and sumac as having a deterrent embedded in their tissue.

The words venom and poison are synonymous, but there is marked difference when describing the actions taken when there is an exposure. What matters is the method of delivery. If injected (fang or spine), it is venomous. If eaten or absorbed (fugu, poison dart frog, or toads), it is poisonous. But do not semantically nit-pick, all are harmful and should be avoided.

Pharmacologically, venom is a complex organic compound composed of a cocktail of multiple proteins that is secreted by animals to kill or disable prey. It also can be an effective protector, as in some butterflies and urchins. There is an interesting spin in the world of literature that defines venom as a state of mind, ill will, or social poison: i.e. “The venom clamors of a jealous woman” *Shakespeare*. Anatomically, venom is classified by the way it attacks vital systems. Neurotoxins are specific to the nervous system by blocking the transmission of nerve impulses, and hemotoxin attacks blood. Cytotoxins will weaken muscle activity, and myotoxins ravage cells. None of the above are considered friendly or having minimal significant effects, so beware.

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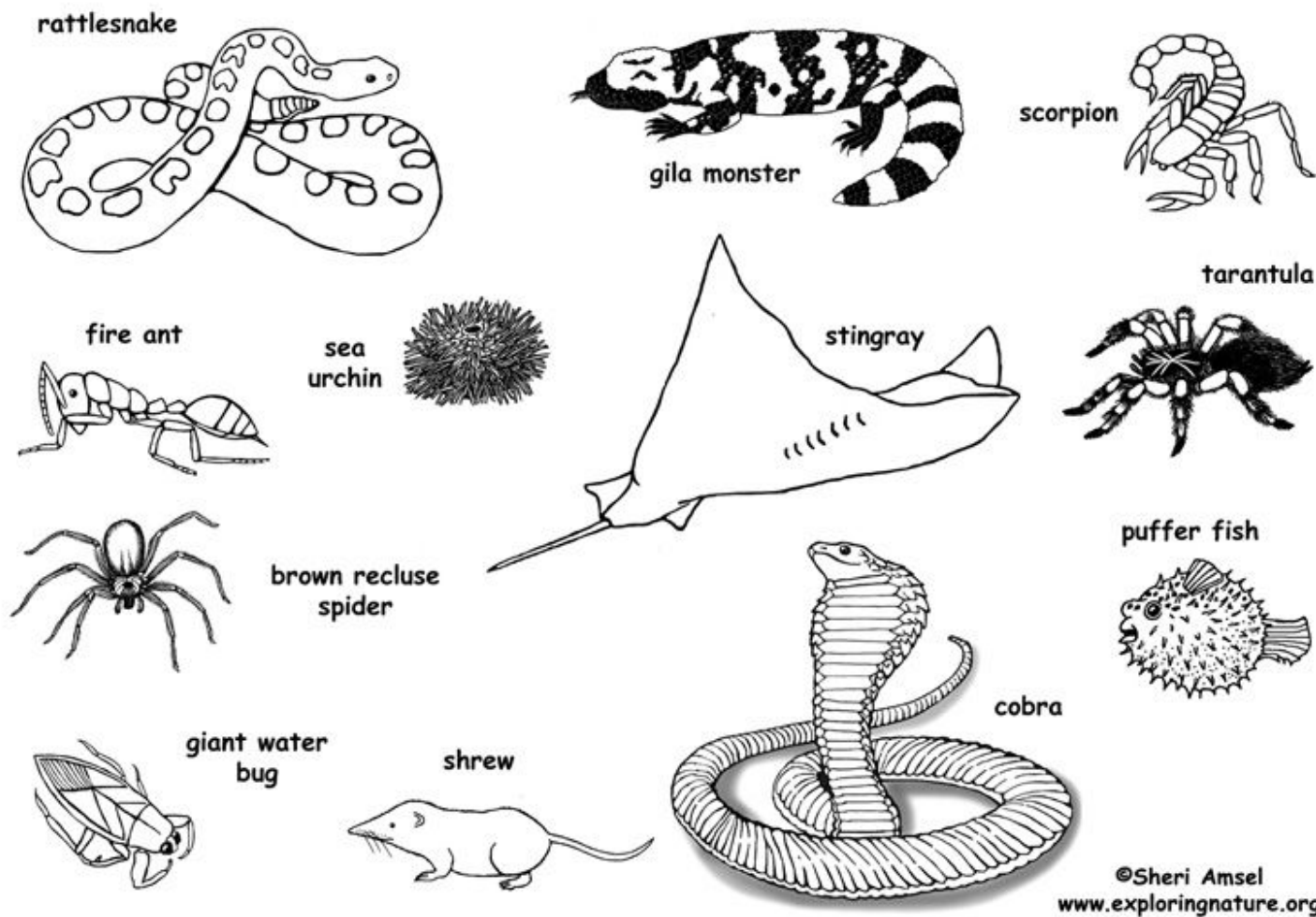


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continued:

Venoms may be a medical threat to health, but research has discovered some to be a valuable source of bioactive molecules used in developing therapies and pharmaceuticals against current diseases. Gila monster venom has shown positive effects against diabetes, and pit viper venom has a use in patients with high blood pressure. There is now work being done using black mamba venom to decrease pain. Bee venom therapy has been practiced in Egypt, Greece, and China for ages in treating arthritis and bursitis. As bad as they are, the adage “light at the end of the tunnel” seems to bear watching. One person’s toxin may be another’s cure. Understanding venom is a start.





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## NEW FEATURE!!!

Anne Kolb Crossword Puzzles  
by Don Knies

As a crossword enthusiast and active volunteer for AKNC, I have always wanted to develop a crossword puzzle feature for this Newsletter. So starting this month I plan to construct puzzles that highlight the area in and around the Nature Center. Here is how it will work. If needed, refer to the actual March puzzle (with answer sheet) on adjacent pages.

You will note that 4 of the “Across” clues are all in Capital Letters. These capitalized clues will always refer to the Nature Center Theme and dominate the central area of the grid with long 10 and 12-letter entries. The rest of the puzzle entries are shorter and constitute the “fill” words that help make the puzzle work. There are 50 clues in all.

So enjoy thinking about all the facts and features of our wonderful flora, fauna, and landforms in this new way. Just PRINT OUT the page on which the puzzle appears. The answer grid will appear on a separate page from the puzzle itself.

**Crossword on the next page!**

**Answers on last page of newsletter.**



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## ANNE KOLB CROSSWORD: MARCH 2022

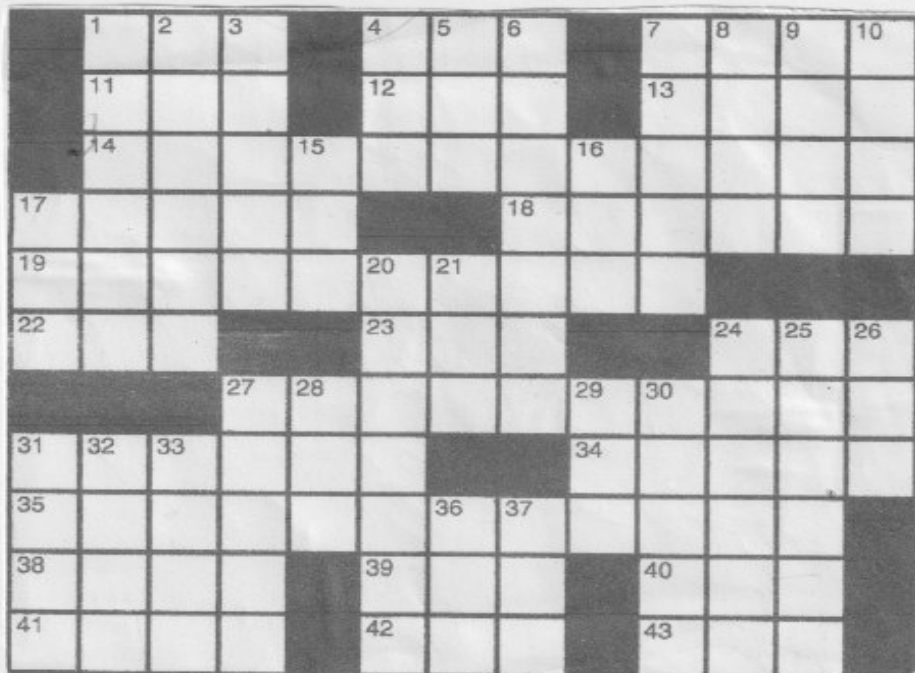
by Don Knies

### ACROSS

1. 3-point try in football (abbr.)
4. Fed. Agcy. concerned with crimes involving explosives, etc.
7. Breakfast chain on Fed. Hwy. and Stirling
11. Do followers
12. Broadcast
13. \_\_\_ Valley, California wine country
14. WATERWAY BORDERING WEST LAKE PARK
17. Arctic dwelling
18. Big shots in slang
19. AKNC ADDRESS (abbr.)
22. Consumed
23. Altar vow
24. Policeman, informally
27. CANOE/KAYAK PATH IN WESTLAKE PARK
31. English in Spanish
34. Noble British titles
35. THE NC IN AKNC
38. Words showing either sympathetic agreement or sarcastic disbelief
39. Long. partner
40. \_\_\_ ology: cause of disease, to medical professionals
41. Important American identification numbers (abbr.)
42. Resort type
43. Terrier or retriever, for example

### DOWN

1. Kind of wig
2. Leader of Confederate armies under Pres. Davis
3. American financier John Jacob who died on Titanic
4. Automotive service provider on the road (abbr.)
5. Tac toe leader
6. Disapprove of
7. Small map on a larger map
8. Loathe
9. Birthstone for Libras
10. Buddies
15. French king
16. Sighs of satisfaction
17. "Last one in \_\_\_ rotten egg!"
20. Common semi engines
21. Gator suffix
24. "No thanks, I don't \_\_\_"
25. Common sight in the Lone Star state
26. Please in a text
27. Overloads
28. \_\_\_uns: previously aired
29. Interstate joining Jacksonville to Tallahassee
30. G \_\_\_\_, movie fare acceptable for all ages
31. During a storm, \_\_\_ usually better than out
32. Catches
33. \_\_\_: group of industrialized nations with common economic interests
36. Upper limit
37. Airport posting (abbr.)







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This Yellow Crowned Night Heron is enjoying a very sunny spot off the Lake Observation Trail in the early morning.



Trashy Kayakers enjoy a warm clear morning on the trails of West Lake Park.





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Adaptation by the tree. Do you know where to find this tree that has grown around the boardwalk?





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Annual Native Plant sale was a great success. Thank you to all the staff and volunteers who helped set up and breakdown. Picture perfect weather with lots of beautiful plants for sale. Educational material was freely distributed by the UF Master Gardeners and Anne Kolb. Native Orchid purchasers received detailed planting instruction by our new Orchid vendor. All of the plants sold by the Friends had detailed photos and planting instructions attached, compliments of Peggy S. Great day to see old friends and visit in the open air.







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Manatees in lagoon in front of Exhibit Hall





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### Ecological niches and mangroves

By Art Van Arsdale

Sometimes, visitors ask what there is to see. In Florida, what there is to see can be very nuanced. We don't have glaciers, mountains, or waterfalls. But we do have an amazing variety of plants and animals.

When asked about the plants within our park, at first glance the mangroves offers little to the casual viewer. Three types of trees (which can be a little tricky for the novice to differentiate ) and very little else. We need to realize what it takes for a mangrove forest to survive and thrive. We need to ask why, if mangroves are some of the most productive habitats on earth, why aren't there more species of plants. Then we can appreciate what these survivors do.

Mangroves occupy an ecological niche in which not many other species can survive. Think of a niche as a slot into which only that species will fit. By definition, an ecological niche is the range of environmental conditions where a species can successfully survive and reproduce. There are two generally recognized types of niches . The first is the fundamental niche, the collection of all conditions were the species can survive. The second is the realized niche, the one the species is most highly adapted for.

So what is it about the niche that the mangrove lives in that allows this tree to outcompete others? There are obviously few plants that can compete for the spot. Yet mangroves, which are the only trees in the world that can survive in saltwater, thrive.

Mangroves can tolerate conditions other trees can't survive. These trees can do well in salinities from nearly freshwater to water approaching twice the salinity of seawater. Add in the additional challenges of wave action and the daily flooding and drying cycles of tidal actions and we see this limits the amount of competition a mangrove endures. These conditions create an environmental niche the mangrove occupies.

When you look at the mangrove tree you see two primary adaptations. The first is some method of keeping salt out of the plant. Normally, salt water is death to a terrestrial plant (Think of how the Romans salted the ground at Carthage after conquering the nation to keep them from growing food ). We know that mangroves have adapted to keep salt out through osmosis (red mangroves filter out salt at the molecular level before it enters a plant )or salt excreting glands (which are found in black and white mangroves).

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The second adaptation is the use of air roots in red and black mangroves. Mangroves live in soil that lacks oxygen. Exposed roots allow for oxygen uptake. Also, the muck around mangroves, due to the anaerobic decay of leaves, is so acidic that few species can survive there. (This begs the question are mangroves creating an environment which will prevent other species from thriving, or are they just better adapted? Some species, like the creosote bush in the southwest US are known to create zones where other plants find it difficult to live).



So, to bring the story full circle, what there is to see here is a plant spectacularly adapted to living in conditions which no other tree can survive. Each species has evolved to succeed where it is the best species adapted for the environment. It has found its niche.

In Florida what there is to see are the differences in the environment allows a specific community to thrive. Even within the mangrove forest we see that the differences in niche conditions will change what we find. The red mangroves of the intertidal zone, which is consistently wet, don't compete well with the white mangrove which grows in areas only slightly higher, drier elevations. And vice versa. Changes in elevation of only a few feet can create changes in plant communities equivalent to going up thousands of feet in a mountainous area. But that's a story for another time.

Here we see how the changing of elevation of only a foot or so changes the species of plants that we find. Notice the red mangroves in the wet area, and the Buttonwood on the higher ground





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January's Manatee event had a great turn out and Park Naturalist Christine shared her manatee knowledge!







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1st Munch and Learn with speaker Raul Wainer!



Raffle Winner  
Kate W. won a  
basket full of  
sustainable  
goodies!

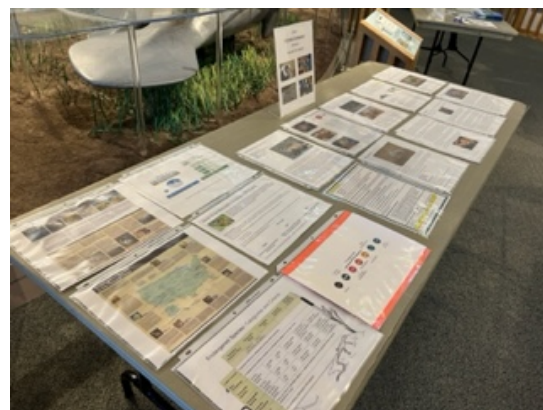




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Learned about Right Whales, the American Crocodile, Red Wolf, and Florida Panther at the Endangered Species Event!







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Dear Volunteers,

Volunteer Peggy Strumski is collecting containers for an upcoming program. Please see her request below:

Call for 4 oz Jell-O and Activia yogurt containers (and any other 4 oz sized recycled plastic containers) to use as "pots" for seed planting project on upcoming Earth Day Event, 03/06/22. I will poke holes in the bottoms with an awl. Will work much better than the toilet paper rolls. I realize this is very short notice, but whatever we can collect will help. I already have some. We can keep collecting for next year. Please drop off at Anne Kolb Nature Center or bring to March Volunteer meeting Thursday, 03/03/22. Thanks, Peggy Strumski



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Chaminade  
Madonna  
High School  
Eco-Action  
Day





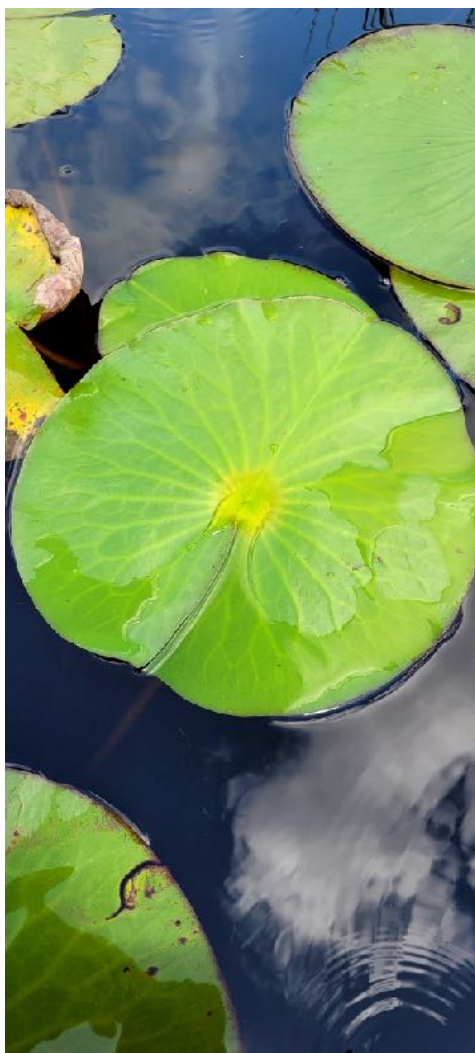


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Several volunteers visited The Arthur Marshall Loxahatchee National Refuge in Palm Beach this last month. First we biked the dike system and saw deer feeding in the shallow Marsh waters, all the usual water wading birds including the Iridescent Ibis. A large Crocodile sunning on the embankment, then a beautiful water snake soaking up the sun in the middle of the dirt road.

On our second visit we completed a 5.5 mile water loop, kayaking through the Sawgrass marshes and sloughs. A beautiful few hours experiencing all the sights and sounds of the Everglades up close and all in fresh water. A very pink Roseate Spoonbill graced us with a fly over as we were bidding a fond farewell to the beautiful Refuge.







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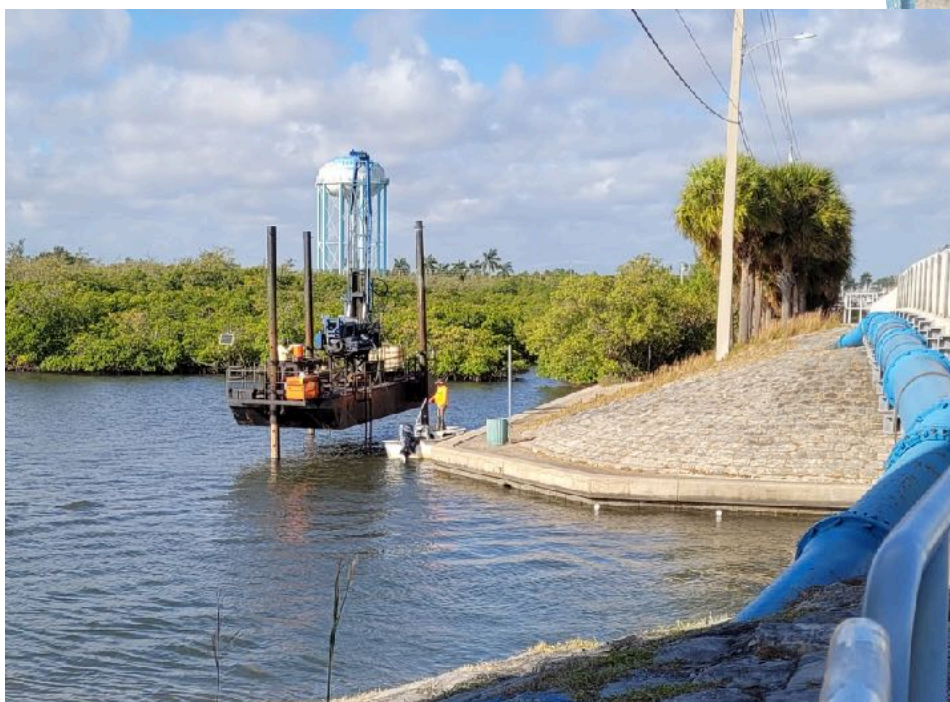




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A rare find by Trashy Kayaker Don, a road marker found its way to the Green Trail and lodged itself deep in the mangroves.



Here today gone tomorrow.  
This research barge was working at the West Lake Bridge on the the West side and then it moved to the East side collecting core samples under the water. Then it disappeared as quickly as it appeared. Core samples are for scheduled work in the future according to Jim Higgins.





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Australian Pine Hiking sticks under construction. Sixteen new sticks, all shapes and sizes are being cut, drilled and sanded in preparation for the epoxy coat by Joern. The hiking sticks continue to be a popular purchase item in the Friends Nature Store.





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[View this email in your browser](#)

Enjoy cookies and hot beverages along with interesting environmental/nature topics .

**WHERE: Anne Kolb Nature Center**

Mangrove Hall 751 Sheridan Street, Hollywood 33019

**WHEN: 2:00 p.m.**

Participants must pre-register by calling 954-357-5161 x 0. Space is limited.

This is a free program accepting donations to support the Friends of Anne Kolb Nature Center.

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**Friday, February 25, 2022**

**TITLE: *City of Hollywood Drainage-Current and Future Challenges. Facing Climate Changes: Sea Level Rising and Higher Intensity Storms***

**Join Raul Wainer**, City of Hollywood Drainage Engineer and Project Manager for the Storm Water Management Plan as he discusses local drainage issues and the future effects of climate change and sea level rise. This topic can be used to educate ourselves on the effects of a changing climate on all our South Florida communities.

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**Friday, March 18, 2022**

**TITLE: *Marine Debris and Microplastics***

**Dr. Valentina Caccia**, marine scientist, ocean explorer and educator will share her knowledge about marine pollution and microplastics and their effects on our marine eco-systems. Dr. Caccia's research will open our eyes to the environmental pollution impacts confronting our local environment and the world.





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Trashy Kayakers welcome  
Bob and Esther to a beautiful  
day of trash collection.

Sightings around The Tri Park  
area. Keep your eyes open for  
the wildlife in our wonderful  
Ecosystem.





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**WEST LAKE PARK  
ANNE KOLB NATURE CENTER  
HOLLYWOOD NORTH BEACH PARK**

Please call the Anne Kolb Nature Center to register  
And for more information at 954-357-5161, Ext. 0  
January– February– March  
2022 Programs

**FREE TRAIL STROLL**

Sunday, January 2 1:00 p.m. – 1:30 p.m.  
Free – All Ages  
*Treat yourself to a free, guided introductory boardwalk stroll through the mangrove swamp!*

**FRIENDS OF ANNE KOLB NATURE CENTER-  
VOLUNTEER MEETING**

Thursday, January 6, February 3  
Thursday, March 3  
-Free- Ages 13+ 7:00 p.m. – 8:30 p.m.  
*Monthly Volunteer Meeting. Interested patrons are welcome to attend and learn about our volunteer program.*

**FREE TRAIL STROLL - MANGROVE MONDAYS**

Monday, January 10, February 14, March 14  
10:00 a.m. – 10:30 a.m.  
-Free- All Ages  
*Come start your week off by taking a free guided trail stroll through our mangrove estuary on the Lake Observation Trail.*

**ECO-ACTION DAY**

Saturday, January 15, February 19, March 19  
9:00 a.m. – Noon  
-Free- Ages 13+ w/parental signature  
Volunteer in the parks picking up trash, removing exotics, planting as needed.

**NATURE TOTS AT WEST LAKE PARK**

Tuesday, January 18, February 15, March 15  
-\$5 per child – Ages 2 – 4  
10:00 a.m. – 11:00 a.m.  
Register Online: [Broward.org/Parks](http://Broward.org/Parks)  
Program Location: West Lake Park  
*Enjoy fun nature themed activities for young children.*

**PLANKTON-A-PLENTY HIKE**

Saturday, January 22  
-\$3 per person- All Ages 10:30 a.m. – 11:30 a.m.  
*Come and learn about the mangrove estuary. Discover some amazing microscopic organisms found here, the valuable role they play and observe them under the microscope. Meet at the Anne Kolb Nature Center Exhibit Hall.*

**MANATEE MANIA! SPECIAL EVENT**

Saturday, January 29 1:00 p.m. – 3:00 p.m.  
-\$2 per person- All Ages  
Come join us to learn about the gentle sea cow, including information about its habits and habitat. There will also be manatee themed arts and crafts. Our guest speaker on manatees will be Pat Quinn, Ph.D., Senior Natural Resource Specialist, Broward County Natural Resources Division. Event speaker starts at 1:00 p.m.

**NIGHT HIKE BY THE SEASHORE**

Friday, February 4 7:00 p.m. – 8:00 p.m.  
-\$5 per person- Pre-registration and required call 954-357-5161 for registration details.  
*Learn techniques for observing creatures of the night and hike the beach and coastal areas.*

**NATIVE PLANT SALE**

Sunday, February 12 9:00 a.m. – 11:00 a.m.  
-Free- All Ages  
*Learn how to use Florida Native Plants in your yard and purchase plants at our Native Plant Sale benefiting the Friends of Anne Kolb Nature Center.*

**ENDANGERED! SPECIAL EVENT**

Saturday, February 26 1:00 p.m. – 3:00 p.m.  
-\$2 per person- All Ages  
*Learn about endangered and threatened animals, with information about the issues that impact them, along with suggestions on ways to help. There will also be themed arts and crafts. Meet at the Anne Kolb Nature Center Exhibit Hall.*





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## FREE TRAIL STROLL

Sunday, February 27 1:00 p.m. – 1:30 p.m.

Free – All Ages

*Treat yourself to a free, guided introductory boardwalk stroll through the mangrove swamp!*

## WATERWAY CLEAN-UP

Saturday, March 5 9:00 a.m. – 1:00 p.m.

-Free – All Ages

*Help clean up the environment at the annual Waterway Cleanup. Sign in at the Anne Kolb Nature Center Exhibit Hall. Pre-registration required.*

## \*BASIC KAYAK CLASS

Sunday, March 6 9:00 a.m. – 11:00 a.m.

-\$35 per person plus tax - Pre-registration required 48 hours in advance.

*Learn the strokes, braces, and turning techniques necessary to paddle a single kayak. Then practice your new skills during a brief paddle on one of the park's marked trails.*

## FREE TRAIL STROLL

Saturday, March 6 11:00 a.m. – 11:30 a.m.

-Free- All Ages

*Treat yourself to a free, guided introductory boardwalk stroll through the mangrove swamp!*

## BASIC STANDUP PADDLEBOARD CLASS

Sunday, March 13 9:00 a.m. – 11:00 a.m.

\$35 per person plus tax - Pre-registration required 48 hours in advance.

*After a short land-based introduction, learn the techniques, strokes, and positions of paddle-boarding in our calm cove. Then venture out to the lake to explore the mangrove forest using your new SUP skills.*

## \*MOONLIGHT PADDLE

Wednesday, March 16 6:30 p.m. – 8:30 p.m.

-\$35 per person plus tax - Pre-registration required 48 hours in advance.

*Explore the trails of West Lake under the full moon. Suitable for experienced paddlers only, or those who have completed one of the park's paddling classes. Single/double kayaks and canoes available.*

## \*WEST LAKE PADDLING ECO TOUR

Sunday, March 20 9:00 a.m. – 11:00 a.m.

\$35 per person plus tax - Pre-registration required 48 hours in advance.

*Tour the trails of West Lake Park and learn about its history and inhabitants with one of the Marina's nature guides.*

## ALL ABOUT WATER SPECIAL EVENT

Saturday, March 26 11:00 a.m. – 2:00 p.m.

-\$2 per person – All

*Celebrate the wonder of water as we explore its value in nature, our planet and to us. Learn about World Water Day held on March 22nd and the importance of freshwater management. Meet at the Anne Kolb Nature Center Exhibit Hall.*

## SHELLS AND CLAWS HIKE

Sunday, March 27 11:00 a.m. – Noon

-\$3 per person – All Ages

*A variety of Arthropods and Mollusks call the nature center home. Head down one of our trails in search of some of these fascinating creatures. Meet at the Anne Kolb Nature Center Exhibit Hall.*



## VOLUNTEER OPPORTUNITIES

Inquire about our site's volunteer opportunities for teens and adults. Consider becoming a park's volunteer in our VIP (Volunteers Improving Parks) program and join the Friends of Anne Kolb Nature Center volunteer group. Contact the Park Naturalist @ 954-357-5174



\*Ages 13 – 17 require parent/guardian signature to go alone and must be accompanied by a parent/guardian in another boat.  
(Pre-Registration & Prepayment is Required)



## Friends of the Anne Kolb Nature Center

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### April 2022 Events

- **Eco-Action Day**—> Third Saturday of the month, 9am to noon. 13+ with parental signature if under 18. Free. Volunteer in the parks picking up trash, removing exotics, planting as needed. Work Day Application required. Anne Kolb Nature Center-Exhibit Hall.
- **Nature Tots**—> Every third Tuesday of the month. 10am to 11am. Y-preregistration and prepayment. Ages 2-4 with parent or guardian. \$5.00 per child. Enjoy fun nature themed activities for young children. West Lake Park.
- **Free Trail Stroll**—> Sunday, April 3, 2022. 11am-11:30am. Free. Treat yourself to a free, guided introductory boardwalk stroll through the mangrove swamp. Anne Kolb Nature Center-Exhibit Hall.
- **Amazing Pollinators Event**—> Saturday, April 16, 2022. 1pm-3pm. Free. \$2.00 suggested donation to benefit the Friends of Anne Kolb Nature Center Volunteer Group. Celebrate Earth Month learning about pollinators. When you look around and see all the beauty in a garden or enjoy a delicious fruit, think about those amazing creatures called pollinators and how our planet depends on them. Look at some close up under the microscope and enjoy arts and crafts for the whole family. Anne Kolb Nature Center-Exhibit Hall.
- **Earth Day Mangrove Adventure Hike**—> Saturday, April 23, 2022. 10:30am-11:30am. \$3.00 per person. Join us for a hike down our Lake Observation Trail to observe and discuss nature and all its splendor in celebration of Earth Day! Anne Kolb Nature Center-Visitor Center.





# Friends of the Anne Kolb Nature Center

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## ANSWERS

