



# Peligrum

December  
2022



3/28/2022 - bringing in lichens and spiderwebs,



3/31/2022 I returned to see progress on the nest.



4/8/2022 Check out this nest: she brought every single little piece into it, looks like it is held together with spider web on the outside.



5/3/2022 I was away for 3 weeks and couldn't wait to check "my nest." Is it empty ??? No! Brooding? See Bill tip!



5/7/2022 I returned to see 2 baby birds IN the nest! I couldn't believe it! One of the birds was very active.



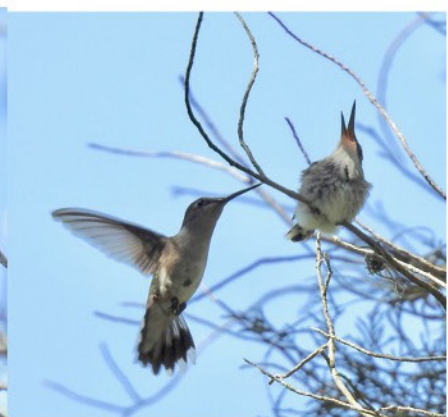
5/9/2022 Mama feeding baby #1 in nest - where is #2?



5/9/2022 There! Just above tiny #2 was perched.



5/9/2022 Mama came in with nectar for #2



5/9/2022 Baby RTHU begging for more



## On the cover

## Ms. Ruby-throated Hummingbird does it all!

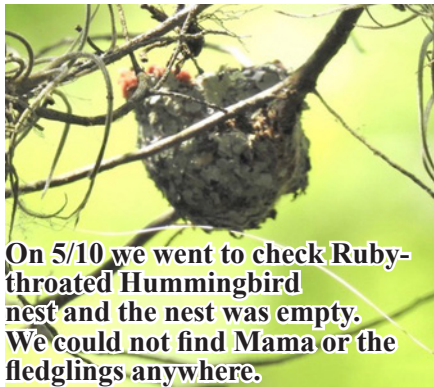
*Archilochus colubris*

by Juanita N. Baker, Ph.D.

How exciting to spot a Ruby-throated Hummingbird flying into the tree, then find its tiny nest in the making on a branch overhanging the water. Then return week after week to see the full nesting/developmental process. Alice Horst captured it all!

Ruby-throated Hummingbirds do not form mating bonds. The males know their role well...in the spring, arriving at their breeding area, they establish a territory. His spectacular gorget (brilliantly ruby-red throat patch with narrow velvety black border) and its shiny green iridescent feathers are there for courtship displays. With humming tail feathers, he dives on either side of the female to attract her. If she then perches, this signals the male to continue rapid arcs before her to instantly attract her. She gives a beckoning call and adopts a 'welcoming' cocked tail-bowing posture, and he proceeds to mate. Then in these 10 minutes, his parenting role is complete, and off he goes to lure another female to mate.

Alone, the female does all the parenting, starting with nest-building in a deciduous tree. The tiny nest (don't be deceived by the photos—the nest is just about an inch wide! Golf ball size!) is anchored securely around a curving branch with spider webs from 10-40 feet above the ground. Alice Horst's careful documentation shows that, evidently, Ms.



**On 5/10 we went to check Ruby-throated Hummingbird nest and the nest was empty. We could not find Mama or the fledglings anywhere.**

Hummingbird began building the nest at the end of March. She wove abundant green lichen on the outside and edged one side with red lichen - a touch of decoration? Nest building may take two weeks, or more as 4/8/22 does not look as complete as the future nest. But had she already laid two eggs and had begun incubating them? Usually, it takes two weeks to incubate the eggs.

Alice returned three weeks later to find a hatchling, and two days later, large fledglings barely fitting in the nest together. Hatchlings are born with naked skin before hairlike pinfeathers begin to grow. Their eyes open at about nine days old, when the female stops brooding (keeping the nestlings warm, covering them with her body). They begin to stretch their wings at 15 days old and fledge in the next 3-5 days. While adults feed mainly on nectar sources, the fledglings require that their mother provides them with insects that are high in protein.

In spring, returning from migration, female Hummingbirds do choose to reuse nests after refurbishing them. Females will often have a second brood in the same year. The abandoned nest awaits.

*Our Mission: To preserve and protect the animals, plants, and natural communities, and the land and water on which they depend in Indian River County through education, advocacy, and public awareness.*

### Officers & Directors

#### Officers

President **Richard H. Baker, Ph.D.**  
1st Vice-President **Bill Halliday**  
2nd Vice-President **Fred Poston, Ph.D.**  
Recording Secretary **Darlene Halliday**  
Corresponding Secretary **George Glenn**  
Treasurer **Steve Goff**

#### Elected Directors:

**Albert Alley, M.D. '23**  
**Graham Cox, Ph.D. '23**  
**Susan Lovelace '25**  
**Bill Loftus, Ph.D. '24**  
**Ricky Ray '25**  
**Bonnie Swanson '24**

#### Appointed Board Members:

**Nathan Burkett-Cadena, Ph.D.**  
**Nancy Irvin**  
**Steve Palmquist**  
**Hadi Shalhoub, DO**

#### Executive Director **Donna Halleran**

Pelican Island Audubon Society, Inc. is registered with the Florida Dept. of Agriculture & Consumer Services. A copy of the official registration and financial information may be obtained from the Div. of Consumer Services by calling toll-free within Florida 1-800-435-7352. Registration does not imply endorsement, approval, or recommendation by the State.

#### Audubon House

195 9th Street SE (Oslo Rd.), Vero Beach  
M - F | 9AM - 1PM

#### Mailing Address:

P.O. Box 1833, Vero Beach, FL 32961

Phone: 772-567-3520

E-Mail: [piaudubon@yahoo.com](mailto:piaudubon@yahoo.com)

#### Website:

[www.PelicanIslandAudubon.org](http://www.PelicanIslandAudubon.org)

## SAVING PARADISE: PROTECTING WHAT YOU VALUE!

### MARK YOUR CALENDAR AND SAVE THE DATE!

**WHEN:** Monday, March 6, 2023

**WHERE:** Grand Harbor Clubhouse, 4985 Club Terrace, Vero Beach, FL 32967. From 7 to 9 p.m.

**What:** A PIAS major fundraiser.

**Why:** You are invited to the Grand Harbor Clubhouse for a night of celebration and support for PIAS.

The Pelican Island Audubon Society is the quality-of-life defenders for Indian River County. Our Mission is "To preserve and protect the animals, plants, and natural communities, and the land and water on which they depend in Indian River County through education, advocacy, and public awareness." In protecting our natural environment, including the support provided to the recently successful passage of the \$50M land conservation bond, we are saving paradise and protecting what we value through our mission statement of education, advocacy and public awareness. What actions will you take to protect what you value?

**Tickets: \$250 per person.** Tickets will go on sale starting December 1, 2022. A ticket will entitle you to admission to attend the event which will include a gourmet dinner, drinks, a guest speaker and entertainment. To get your tickets when they go on sale, go to [Pelicanislandaudubon.org](http://Pelicanislandaudubon.org), email us at [piaudubon@yahoo.com](mailto:piaudubon@yahoo.com), or stop by Audubon House at Oslo Road.



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## Nature is Amazing!

Nature provides us with water to drink, air to breathe, and food to eat, and many plants and animals, which we need to survive. Our Earth, sun, moon, and stars, just where they are, all related, are a miracle of nature.

Nature can also harm us with natural disasters like storms and earthquakes, but species have adapted and evolved in nature by adjusting to different climates and circumstances. It is an astounding process.

Humans have had a great influence on our planet's natural systems. Trees, for example, provide us with O<sub>2</sub> and remove excess CO<sub>2</sub>. Their roots hold the rain so that it does not run into our lakes, rivers, and Lagoon. Some provide us with food, furniture, wood for buildings, and fires that have kept us warm. They provide a habitat for birds and animals that we love. Unfortunately, we are removing them at such a rapid rate for development or food. Many are crushed into pulp to produce cardboard and paper. We can make paper and furniture, but only nature can produce a tree.



Nature is the creator of it all. There is order in nature. We see it in the rising and setting of the sun, the moon controlling our tides, and the seasons as they cycle through each year. So far, we have not been able to modify the sun, moon, and stars, which give us peace and harmony, although we are visiting the moon and trying to go to Mars, and now we are confident we can change the direction of asteroids from hitting us.

Nature provides us with lots of variety. Countries differ in their climates, landscapes, plants, animals and people who built various structures like the pyramids and great skyscrapers. Yet flowers, landscapes, mountains, deserts, lakes, trees, rivers, and seasons all make the world beautiful and diverse. We need this diversity. Everything has a place in nature. For us to survive, all things need to work together. Moisture is lifted from the ocean, lakes, and rivers and then is returned in dew and rain to refresh and restore the earth so that the world around will be filled with an exquisite fragrance that keeps this old world fresh and beautiful for you and me.

During these years, people of genius have been building machines that have been amazing in what they can do and accomplish. However, one after the other, these machines become worn out and outmoded, then are cast aside as scrap to be replaced by something better. But the sun has continued to bring its light and heat and power as bountifully and efficient as ever.

Our transportation, electric power, industry, commercial and residential areas, agriculture and landfill (the highest mountain in our county) are producing methane and CO<sub>2</sub> gas. These are causing global climate to change, leading to extreme droughts, floods, and storms that are killing our plants and animals, and us. Our President must bring the world's leaders together to take imaginative and immediate actions to reverse the burning of fossil fuels to save extreme losses of wildlife and prevent many species from going extinct. Our state and county leaders, too, can act to protect our local and regional lands.

What is there in life that can surpass the beauty of nature? Gifted artists have selected as their subjects the scenes of nature and landscapes. Some have been fascinated by the dawn of a new day, the glow of the evening after the sun has set, the stars of the summer night, the light of the moon upon a body of water, a winter scene, a head of cattle feeding on some hillside or resting in some valley. However, great painters have felt wholly inadequate to measure up to painting these beauties of nature.

As the climate crisis worsens, we may expect more and more "natural" disasters like Ian and Nicole to threaten our communities, economy and quality of life. We need to encourage our leaders to get serious in protecting our only home, the Earth. The climate crisis is here now, not in the future! Lives are being lost around the planet as communities are ravaged by wildfires, floods, droughts, heat waves, and hurricanes. There are many things we can do individually in our lives: Reduce turfgrass to 10-15% by planting native plants and trees to absorb CO<sub>2</sub>; stop clearcutting our lands; plant a forest in our backyard; stop using septic tanks and encourage our county to use our poop to produce electricity, Nitrogen, and Phosphorus; install solar panels and wind turbines; eat less meat; and provide electric transportation for all. Perhaps one of the most important steps we can take is to consume less to reduce pressure on our natural resources. As the saying goes: Reduce, repair, reuse and recycle!

Both you and I should aspire to become green citizens by changing how we live immediately to protect ourselves and the wonderful beauty of nature as we know it.

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## Dr. Nathan D. Burkett-Cadena Joins Pelican Island Audubon Society Board

*by Richard H. Baker, Ph.D.*



Dr. Burkett-Cadena, Associate Professor at the University of Florida at the Florida Medical Entomology laboratory (FMEL) is no stranger to PIAS. He is one of our most popular and best teachers in our Audubon Advocates Program where he teaches 5th graders from four elementary schools about "Blood Suckers", which includes mosquitoes, no-see-ums, ticks, and leeches. The Audubon Advocates learn that the many different mosquito species in Florida are found in unique habitats. While (as you probably know) some mosquito species breed in containers, ditches and ponds, our Audubon Advocates get the opportunity to collect the larvae of mosquito species that only breed in crab holes, tree holes, or bromeliads. They then examine these mosquito larvae using our microscopes and learn about their life cycle and how they are important pollinators, and how most mosquito species don't frequently bite humans.

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# Indian River County's Forever Conservation Bond Referendum Passed!

by George Glenn, Jr., Corresponding Secretary

Indian River County voters approved its third land conservation bond referendum in 30 years this November election, with a whopping 78.2% voting for bonds to conserve land. The referendum directs county officials to issue \$50M in bonds. The percentage of voters approving the bond exceeded the 1992, 2004, and even the 2014 state-wide conservation referendum.

The Pelican Island Audubon Society played a leading role in the effort, including raising over \$30,000.00 to support the campaign.

It's hard to argue residents don't care about our natural environment with this outcome. With a booming population and continued development pressure, our county will be in a position to leverage local bond dollars with state and federal grants to protect some of our last, best remaining natural lands.

Pelican Island Audubon Society will continue to play a key role in the process working with county officials to select lands worthy of protection. Just as important as the passage of the land conservation bond, our local Audubon chapter will continue to be the quality of life defenders for Indian River County as we work with local governments on development regulations for large scale projects.

## PIAS Receives 2022 Best Chapter Conservation Project Award

by Richard H. Baker, Ph.D.

Florida Audubon Society at their Annual Meeting Awarded PIAS the 2022 Best Chapter Conservation Project Award for its Education and Demonstration Native Plant Garden at the Indian River County Commission's Building A Entrance.

As part of our *Trees for Life/Plants for Birds*, we planted a native garden at the entrance to the County Commission Building A to educate and demonstrate to the public that a native plant garden can be beautiful and beneficial for our county. Many folks in their daily lives come to the county complex to attend commission and other meetings, pay taxes, or visit the county health department and county extension offices. Now they can see that, by planting native trees and plants, they can play a role in helping solve the crises of our climate and lagoon.

Besides being beautiful, the 271 native plants (21 different native species such as Beautyberry, Beach Verbena, Goldenrod, Coontie, Firebush, Elliott's Lovegrass, and Scarlet Tropical Sage) that will attract hummingbirds, provide food for birds and wildlife and help maintain clean water for fish and manatees. Pamphlets on-site recommending native plants for birds, butterflies, and bees are being picked up. A large sign tells the harmful effect of turfgrass in one's yard and importance of trees.

Bob Montanaro, our Office Manager, took photos and video showing the creation of the garden (see PIAS website and YouTube: <https://www.youtube.com/watch?v=gH1cZwNqQ20&t=6s>).

We appreciate Indian River County Commissioners and the County's Public Works Director, Rich Szyrka for approving this garden plan.

Special thanks to the Garden's 12 sponsors: Margot Funke, Clean Water



Aerial photo of the garden with matured plants taken this October.

Coalition, Indian River Neighborhood Association, Temple Beth Shalom, Henry Fischer & Sons, FPL, and Audubon Florida. Sebastian River Farms provided the four native trees. Cheryl Ronan of ANOVA provided the recycled-plastic contour bench, which was installed by our 1st Vice President Bill Halliday, Patrick Robb and Bryan Caskey. Teresa McCarthy from Site One provided the Permaloc Landscape Edging. Britten Industries provided the wood chips for the path.

Stephanie Dunn of Cadence Landscape Architects, one of the best in Florida did a terrific job of designing the native garden and directing our volunteers in planting.

Planting was done by 32 community volunteers and chapter members Steve Palmquist, Kathy & Wil Cunningham, Nick Polge, David Polge, Rondie & Lan Reeser, Hadi Shalhoub, Brenda Lee Fuller, Pat Holland, Mara Duke, Judy Nafziger, Vin Gemmiti, Richard Silvestri, Chris Englund, Susan & Brad Baker, Don Weddinton, Marla Wormser, Rosemary Quim, Melissa McSulla, Cheryl Dunn, Graham Cox, Mary Wood, Bonnie Bowie, Tonia Lensky, Marion Golfinopoulos, Susan and Wes Lovelace, Terry LaPlante, and Commissioner Laura Moss. People volunteer now to come see the garden and help care for the garden. The Garden is a great advertisement for our tree and native plant nursery at our Audubon House. People have stopped by our Audubon House to pick up free trees, purchase plants, see what we are up to. Over 12,700 native trees and plants have been distributed to folks.

We also received another grant from FPL/Audubon Florida to plant a Native Education & Demonstration Garden at the United Against Poverty center. Please let us know if would like to volunteer in either garden in planting and helping to care for them.



# 4th Transforming Landscapes for a Sustainable Future Conference

Saturday, January 21, 2023

at the

Emerson Center

1590 27th Avenue, Vero Beach

from

8:00AM - 4:30PM

In-person tickets: \$25 per person & includes a box lunch

Attend on Zoom: \$25

Tickets on sale at

[PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)

Sponsorship opportunities  
available

For more information  
email

[piaudubon@yahoo.com](mailto:piaudubon@yahoo.com)

or call

772-567-3520

Native  
Plants  
For Sale!



8:00AM	Registration: Tickets are \$25 & includes a box lunch & native plants for sale from native plant nurseries
9:00-9:50AM	Dr. Craig N. Huegel, Director, University of South Florida Botanical Garden, <i>The Nature of Plants, How Plants Work</i>
10:00-10:50AM	Dr. John Fitzpatrick, Professor & Emeritus Director, Cornell Lab of Ornithology, Ithaca, NY, <i>Local Ups &amp; Downs in Bird Populations: Recent Revelations from Deep Analysis of 'eBird' Citizen-Science Data</i>
10:50-11:20AM	Break
11:20-12:10PM	Dr. Grant Gilmore, President & Chief Scientist, Estuarine, Coastal, and Ocean Science, Inc., <i>Your Lawn Grass versus Seagrass</i>
12:10-1:00PM	Lunch with box lunches included in the \$25 admission ticket for those attending in person
1:00-1:50PM	Sean Patton, Stocking Savvy Environmental Consulting, Sarasota, FL, <i>Pondside Living with Native Plants, Native Fish, for a Native Florida</i>
2:00-2:50PM	Dr. Larry Reeves, Assistant Professor, University of Florida, Florida Medical Entomology Laboratory, Vero Beach, <i>The biodiversity crisis and the importance of insects</i>
2:50-3:20PM	Break
3:20-4:10PM	Timothee Sallin, Co-CEO of IMG Enterprises, a diversified family-owned Florida agri-business, <i>How Do We Mainstream Sustainable Landscapes in Florida? Working with Master Planned Community Developers, Home Builders, Landscape Architects &amp; Regulators to Shift From Conventional Landscapes to Sustainable Landscapes</i>
4:10-4:30PM	Dr. Richard Baker, Discussion & Summary

## Come Visit Pelican Island Audubon's new Little Free Library!

Take a Book,  
Leave a Book.  
Love a Book,  
Keep a Book.



In addition to our main library where titles and authors can be found on our website <https://pelicanislandaudubon.org/library/>, we have started a new Little Free Library at the entrance to our Audubon House. Anyone may take a book - neighbors, friends, and passerby. The books are always free and book donations are welcome at this Little Free Library.



Volunteer Lorna Thibeault  
Pelican Island Audubon's new Volunteer Coordinator

### Visit

[PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)  
to view the list of volunteer  
positions. Fill out the form  
online and let us know what  
you are interested in.

**Working together we can  
do great things for the  
environment!**

**Volunteer opportunities  
include:**

- Office help, Newsletter: fold, stuff envelopes
- Join the air potato pullers
- Audubon House Maintenance- classroom, bathrooms, breezeway
- Landscaping, Trees for Life Project, watering plants
- Field Trip Leader
- Fundraising
- Come join the Tree/Native Plants Team! Sun/Wed/Fri 9AM-11:00AM Help Green IRC!!!

**A big thanks to everyone  
who makes it all work!**

**Volunteer!**

# Protect The Night

Photo: Bob Montanaro

by Donna Halleran, Executive Director

Light pollution devastates wildlife. Plants and animals depend on Earth's daily light and dark cycle to moderate life-sustaining behaviors. This weekend was the International Dark Sky Association (IDA) **Under One Sky 2022** conference. It was an incredible event with 24 hours of continual speakers from all over the world.

The keynote talk called *Day and Night, Life and Light* by Lisa Heschong, Fellow of the Illuminating Engineering Society, discussed how architecture and building go hand in hand on ways to get along in this world with all living things, and examines the many ways that our lives are enriched by the presence of natural daylight and window views within our buildings. It makes a compelling case that daily exposure to the rhythms of daylight is essential to our health and well-being, and how darkness is necessary for our bodies to rejuvenate and rebuild its' cells. She had led ground breaking research showing a relationship between daylight and student test scores, retail sales, and office worker performance. I am looking forward to learning more about this research as PIAS's Audubon Advocates Outdoor Afterschool Science Program is based on nature deficit disorder, which includes day light! And the need for children (and adults) to be outside in nature.

Lisa Heschong wrote *Visual Delight in Architecture: Daylight, Vision, and View* that makes the case that daily exposure to daylight is essential for human health and wellbeing, while describing the beauty, and pleasures, of well-daylighted spaces and window views. As an architect she understands the complexities of buildings and the lighting within.

Flip the coin, and note that studies suggest that artificial light at night negatively affects human health by increasing our risks of obesity, sleep disorders, depression, diabetes and more. I am just talking about light and darkness effects on humans! Imagine what it is doing to our plants and animals. All living beings need to build back cells for survival. Imagine, millions of our children around the world will never know the Milky Way. Night sky inspired science, religion, philosophy and literature.

Closing out the conference was with Tim Russ (Lieutenant Commander Tuvok on *Star Trek: Voyager*) and Astronaut Nicole Stott having a great conversation about what the night looks like from space, and what the night looks like gazing at the stars. I believe we need to have a dark night party at Audubon House, so you, too, can experience the wonder of darkness.

IDA's five principles for Community Outdoor Lighting to reduce light pollution where you live:

1. Useful – install only where and when it is needed
2. Targeted – shield your lights so they shine down, to reduce glare
3. Low light levels – light should be no brighter than necessary
4. Controlled – Use timers, dimmers, and motion sensors on outdoor lights
5. Appropriate Color – Use warm color lights, limit harmful blue wavelength lighting.





Join the Indian River County River Kidz for a free kayaking excursion on December 10, 2022 at 10AM at Audubon House, 195 9th St. SE (Oslo Rd), Vero Beach! Kayaks can be provided but spaces are limited. Reserve a spot by emailing [piaudubonedu@gmail.com](mailto:piaudubonedu@gmail.com) or call 772-567-3520 and don't forget to "Like" and "Follow" IRC River Kidz on Facebook and Instagram to stay updated on our free family events.

# Mosquito Awareness

by

Lauren Reeves, Environmental Educator



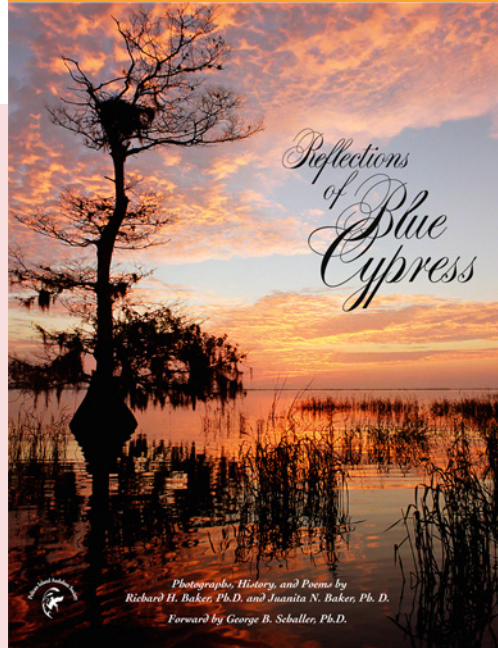
I can't believe we are almost done with this semester's Advocate program! It has been absolutely magical to see how much these kids have learned. Despite having to cancel two weeks of meetings due to the hurricanes this semester, we adapted, as all successful organisms do, and we are still on track with our curriculum. Recently, Dr. Nathan Burkett-Cadena, a professor of entomology at the University of Florida, took our Advocates across the street to explore the Florida Medical Entomology Laboratory. The kids were surprised to learn that mosquitoes do not just drink blood--they also consume nectar and are important pollinators. This is a favorite lesson for many of the kids. One even said, while looking under the microscopes at the larvae, that he would like to stay in Vero Beach when he grows up, so he can send his children and grandchildren to schools that participate in the Audubon Advocates program. Last week, the Advocates learned about native plant species and how invasive species have had an impact on our local ecosystems. It's so fulfilling to see that this program has given children the opportunity to hone skills which in some cases they didn't even know they had. Kids who had never even seen a camera before are now taking incredible professional-level photographs in just a couple weeks. This program introduces to children the idea that learning does not always mean sitting at a desk and doing a worksheet. Active, experiential learning is so much more effective for many children, and the outdoors is so conducive to such learning opportunities. In the coming weeks, we will go birding and, with great anticipation, learn about reptiles!

## PRETTY IN PINK

by Linda Chancellor It is fall and native Muhly grass, with its feathery pink plumes of flowers, is in full bloom. This ornamental grass is used in many landscapes for late fall color. An excellent example is the median plantings along 58th Avenue between Oslo Road and 16th street. Another example is the mass plantings at Osprey Acres Stormwater Park and Nature Preserve. There constructed wetlands have been built and many native plantings installed in areas among the original oaks, pines and cabbage palms. In November 2020 Sam and I had visited the park and had seen the Muhly grass blooming. This November we returned to walk the trails and view the plantings. The east side of the trail had dense growth of silver and green palmetto shrubs with beautiful mature live oaks behind them. But as before it was the plantings of blooming Muhly grass, nestled among other native grasses that bordered the waterway, that grabbed my attention. As we walked the perimeter of the wetlands I recognized many plants native to hammocks including beautyberry shrubs with their eye-catching purple berries. Pickerel plants with their purple flowers and yellow spatterdock lilies were blooming in the waterways but still it was the pink hazy blooms of the Muhly grass that captured my visual attention. A slight breeze caused the feathery plumes to sway back and forth creating the effect of a pink haze. I could not resist running my fingers through the blooms of a plant that was located on the edge of the trail. The tiny flowers were so delicate. I would have lingered but it was getting warmer so we headed for the shady Marsh Rabbit Run Trail.

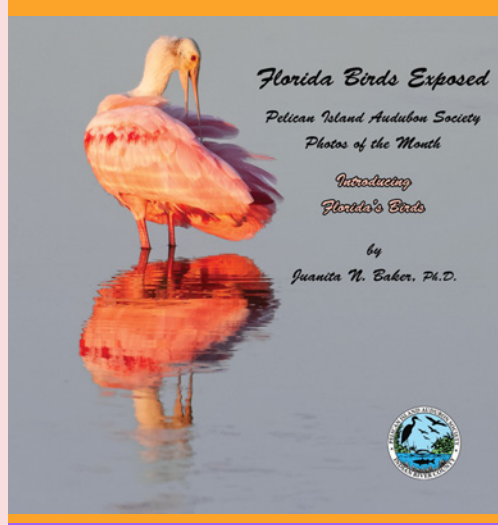
FYI - Indian River County purchased the 83.7 acres, destined for development, to protect the natural Florida ecosystems. They created manmade wetlands and a water treatment facility to treat water before it goes to the Indian River Lagoon. For more information visit: [ircgov.com/publicworks/stormwater/facilities.htm](http://ircgov.com/publicworks/stormwater/facilities.htm)

## Add these books to your library!



2 great books about our local habitats and birds from Pelican Island Audubon

**Reflections of Blue Cypress: Photographs, History, and Poems of the Headwater Lake of the St. Johns River by Richard H. Baker & Juanita N. Baker with a Forward by George Schaller. [124 pages] \$25**

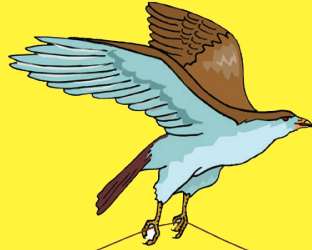


**Florida Birds Exposed: Pelican Island Audubon Society Photos of the Month Introducing Florida's Birds by Juanita N. Baker \$32**

Price includes tax.

Purchase online at [PelicanIslandAudubon.org](http://PelicanIslandAudubon.org) or at Audubon House, 195 9th St. SE (Oslo Rd), Vero Beach

# You are invited to a special Volunteer & Member Holiday Appreciation Party!!



Monday,  
December 5th, 2022  
6-8 p.m. at the  
Heritage Center  
2140 14th Ave.  
Vero Beach, FL

\$30 per person;  
Includes catered  
appetizers.

We ask you to be present with us to honor Drs. Richard and Juanita Baker for their 25+ years of advocacy for conservation and their leadership in environmental & student education.

The evening will be a special time to gather and recognize the countless volunteers and all they have done to make Pelican Island Audubon Society & Audubon House function. Meet the PIAS Board members, & our new executive director, Donna Halleran.

Please join us to celebrate conservation leadership at its best.

We would love for you to attend!!

Get your tickets today and be part of the celebration!  
Tickets available on line at: [PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)  
or at Audubon House, 195 9th St SE (Oslo Rd), Vero Beach:  
M-F 9a.m. - 1 p.m.

## Field Trips & Morning Nature Walks

Space is limited. Registration is required.  
For more information & to register visit  
[PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)

- Dec 1 - Pelican Island National Wildlife Refuge - Guide: Will Johnson
- Dec 6 - Bee Gum Point Preserve - Guide: Jim Shea
- Dec 8 - Three Lakes WMA Hammock Trail - Guide: Ricky Ray
- Dec 11 - Osprey Acres - Guide: Morgan Rockwell
- Dec 15 - T.M. Goodwin WMA - Guide: George Thomas
- Dec 19 - Three Lakes WMA - Guide: Ricky Ray
- Jan 29 - Orlando Wetlands Park - Guides: Bill & Becky Loftus
- Feb 18 - Fort Drum Marsh Conservation Area - Guide: George Glenn
- March 3 - Belle Glade - Guides: Ann Esmas & Becky Loftus

**Trips subject to change. Check the online schedule at [PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)**

## Stop by and browse the native plant nursery - over 12,400 native plants & trees distributed so far!

### Free Trees Available:

#### Southern Live Oak

7ft in a 3 gallon pot - Attracts insects for birds

#### Pond Cypress

6ft in a 3 gallon pot - Also grows in dry soil

#### Dahoon Holly

3ft in a small pot - Small tree that needs irrigation

A selection of native plants are also available at low prices.

Audubon House - 195 9th Street SE (Oslo Rd),  
Vero Beach, on  
Wednesday - Friday - Sunday from 9AM to 11AM

More at  
[PelicanIslandAudubon.org](http://PelicanIslandAudubon.org)



# Go Green!

Members may sign up to have the Peligram emailed to them. Saves postage and paper. Email [piaudubon@yahoo.com](mailto:piaudubon@yahoo.com) with your name & email address with "Peligram" in the subject line.



## Pelican Island Audubon Society Membership Form

Enclosed is my:

NAME \_\_\_\_\_ \$ \_\_\_\_\_ \$25 for annual membership

ADDRESS \_\_\_\_\_ \$ \_\_\_\_\_ \$30 for family membership

CITY, STATE ZIP \_\_\_\_\_ \$ \_\_\_\_\_ \$100 Scrub-Jay sustaining membership

E-MAIL \_\_\_\_\_ \$ \_\_\_\_\_ \$200 Osprey sustaining membership

\_\_\_\_\_ \$ \_\_\_\_\_ contribution

\_\_\_\_\_ \$ \_\_\_\_\_ TOTAL

Please mail this completed form with a check made out to:  
Pelican Island Audubon Society  
P.O. Box 1833  
Vero Beach, FL 32961

Or join online using a credit card at [www.PelicanIslandAudubon.org](http://www.PelicanIslandAudubon.org)