



Dustin Ang

ARCHBOLD FEBRUARY 2022 NEWS

for curious minds



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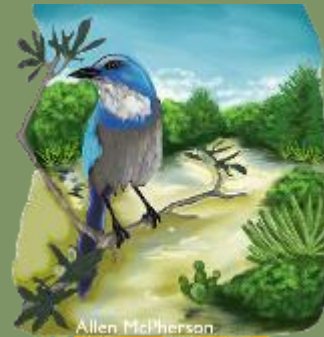
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New Species of Pygmy Mole Cricket



Deyrup's Pygmy Mole Cricket (*Ellipes deyrupi*). Photo by Brandon Woo.

In 2009, Dr. Mark Deyrup and Dr. Jim Carrel completed a sweeping survey across 23 protected scrub preserves where they documented 91 bugs found on the Lake Wales Ridge. **Burrowed in the yellow sands of the northern ridge in only two preserves, they collected a never-before-seen species of Pygmy Mole Cricket (Orthoptera: Tridactylidae). This new**



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species now has a name and an [excellent description just published by Brandon Woo](#). *Ellipes deyrupi* with a common name proposed by Woo as Deyrup's Pygmy Mole Cricket is known only from Polk County. Most Pygmy Mole Crickets are winged and live near water. But *Ellipes deyrupi*, along with *Ellipes eisneri* and *Neotridactylus archboldi*, is flightless and inhabits sandy Florida uplands. These tiny bugs spend their whole lives in burrows beneath the sand. They rise to the subsurface layer below patches of bare sand to feed on blue-green algae. Woo writes, "*Ellipes deyrupi* may be a species of conservation concern. The majority of its habitat on the northern Lake Wales Ridge has been converted to housing or agriculture, and roadside sites where it still occurs are at risk of being developed." He continues, "**This species is named in honor of Dr. Mark Deyrup**, Emeritus Research Biologist in Entomology at the Archbold Biological Station, who first collected the species and recognized it as distinct, and who has contributed the bulk of what is known about scrub tridactylid biology. Dr. Deyrup encouraged the author to describe this new species and look for other species across the southeastern U.S. and has been enormously supportive and generous with his knowledge of Florida natural history." Woo began pursuing his PhD at [Texas A & M University](#) on Pygmy Mole Crickets in 2021. See more wonderful images of this cute newly-described scrub bug by Woo [here](#). Check out Woo's fantastic blog [The Incurable Entomologist](#).

Archbold Press

"Archbold Biological Station is one of America's iconic centers of continuous research and education in field biology. It is a prototype of what we need all across America."

— Edward O. Wilson

Bird Lab Opportunity



Nature Wonder Alive

Join Dustin Angell, Archbold Director of Education, for live-streamed outdoor nature tours on the second Tuesday of every month from 9:30 AM- 10:15 AM (Eastern Time) from November through April.

[Register here](#)

Dr. Reed Bowman in the Florida scrub. Photo by Debbie Rivera.

After 32 years at Archbold, Dr. Reed Bowman will be retiring and stepping down from his recent appointment as the John W. Fitzpatrick Director of Avian Ecology at the end of 2022.

Over those decades, Dr. Bowman greatly expanded the avian ecology program, both on-station and beyond, mentored nearly 100 interns, directed 12 Masters and 2 PhD students, obtained many millions in grants, and authored or co-authored more than 100 papers. Dr. Bowman will continue as an Emeritus Research Biologist completing some recently awarded grants and focusing on writing and photography. The [position announcement](#) for his replacement is now posted. **We are seeking an accomplished scientist for the John W. Fitzpatrick Director of Avian Ecology Program, either as Assistant or Associate Research Biologist, to conduct high-quality research in avian ecology at Archbold.** This is an endowed position with competitive salary and excellent benefits. Anticipated start date is January 2023, although an earlier start is negotiable. The Program Director will lead the world-renowned, 50+ year study of Florida Scrub-Jays, maintaining key data collection, while developing new research directions. Research need not be limited to Florida Scrub-Jays with many opportunities for cross-disciplinary projects drawing from Archbold's diverse, long-term data. As well as individual research, the director has broad responsibility for growth of the avian ecology program, serving as a host for visiting researchers, collaborations, and is also responsible for overseeing Archbold's bird collection. This is a unique position working at the interface of science, conservation, and education in a biodiversity hotspot at an established and growing biological field station. Deadline to [apply](#) is **March 7, 2022.**

Winding Path of Life



Mandy West at Archbold's Buck Island Ranch. Photo by Akiem Gough.

Mandy West first visited Archbold's Florida scrub as a volunteer in the Plant Ecology Program back in 2015. After that experience, she kept a close eye on Archbold's job opportunities. She said, "I love the xeric (dry) ecosystem because the plants and animals are so tough. They basically say to the universe, 'Don't tell me I can't live without water. Watch this!'. The Lake Wales Ridge is the closest thing to desert-like conditions you can find in Florida, and I love it." With her background in herpetology, hydrology, and landscape ecology, West got her break in 2018 with a Research Assistant position in Archbold's Restoration Ecology program, where she enjoyed developing her skills with GIS and data management for three years. **"I love being a part of Archbold but I wanted to develop my skills in applied ecosystem science.** So when a position at Archbold's Buck Island Ranch opened up, I was excited to apply to gain more experience in applied research in ecohydrology and landscape-scale responses. **Archbold's willingness to be flexible with my personal schedule is the support I need to pursue my two passions of family and science.** Being a mom of two boys and helping in my local foster care community while working is a challenge." West looks forward to continuing exploring her career goals in science while being an awesome mom to her kids.

Online Events

Feb 18: 3:30 PM-4:00 PM

'Characterizing the vertical structure of *Paronychia chartacea* and *Hypericum cumulicola* seed banks across habitats with different disturbance histories in the Florida scrub'

Ella Segal, Archbold Plant Ecology Intern

[Register here](#)

Watch all past virtual events [here](#).

Glades Electric History



Glades Electric CEO Jeff Brewington presenting the capital credits retirement check to Hilary Swain, Archbold Executive Director.

There was no electricity in the rural areas of America prior to the 1930s. To end this hardship, President Franklin Roosevelt created the Rural Electrification Administration. In the Fall of 1944, several families came together to bring 'the electric' to the outlying areas of Highlands, Okeechobee, Glades, and Hendry counties. **Richard Archbold was a leader in this effort and one of the founding Directors of what was to be named Glades Electric Cooperative.** Archbold Biological Station was one of the first members of the cooperative, and has purchased power from them since establishment. Unlike big utilities, Glades Electric Cooperative is a not-for-profit corporation operating on an at-cost basis. Rates pay for operating costs, loan payments, and an emergency reserve. At the end of each year, operating expenses are subtracted from operating revenue and the balance is called an operating margin. As a member, Archbold receives a share of the operating margin based upon the amount of power we purchased. Later, as financial conditions permit, these allocated amounts—called capital credits—are retired. **In years when capital credits are retired, Archbold receives a welcome check.** For December 2021, the check was for \$5,841.33. This is a welcome offset for our electric bill costs.

Artist-in-Residence



Portrait of Lynne Cherry by Dustin Angell.

This month, Archbold is delighted to host New York Times best-selling children's author and illustrator Lynne Cherry as an artist-in-residence. Lynne grew up loving the outdoors of her home state of Pennsylvania and has had many distinguished artist-in-residencies including at the Smithsonian, Princeton University, and Woods Hole Oceanographic Institution. She is the author and illustrator of more than thirty award winning books for children including 'The Great Kapok Tree' and 'A River Ran Wild'. Using her own deep reverence for the natural world, her books teach children a respect for the Earth.

The Scrub Blog

Nature and Science from Florida's Heartland

Explore [The Scrub Blog](#) by Archbold creative staff.

[Archbold Facebook Event Calendar](#)



Directions to Archbold Biological Station

Eight miles south of Lake Placid. Entrance is 1.8 miles south of SR 70 on Old SR 8.

She emphasizes to educators how using nature and the environment to integrate curriculum makes a child's learning relevant. While staying at Archbold, **Lynne is shadowing scientists in the Avian Ecology Program to learn about Archbold's Scrub-Jay research work, as well as working with the Predator-Prey Program and others** to learn more about how we are using our science to inform conservation action to protect the Florida Wildlife Corridor. She believes that everyone can do their part, utilizing their own passions, to help protect and save the natural world around us. To learn more about Lynne Cherry, [visit her website](#).

If you enjoy these stories from Archbold, please consider a gift to support our research and education programs. [Donate now](#). Your gift really makes a difference.

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