



ARCHBOLD SEPTEMBER 2015 NEWSLETTER

for curious minds

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Holy Holotypes!



Mark Deyrup

A central Florida Long-Legged Fly *Asyndetus archboldi*. The holotype was collected at Archbold in 1996 by Mark Deyrup.

An astounding 66 new species have been discovered on Archbold lands between 1941 and



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2014, as recently documented in a list of all holotypes (the specimen used to describe a new species) compiled by Fred Lohrer, Archbold Librarian. **Many are named in honor of Richard Archbold**, like the Florida Ant *Formica archboldi* that was named by M.R. Smith (1944) in recognition of Richard Archbold who 'not only encouraged Dr. Schneirla in a study of the ants of the Station but who showed a special interest in the habits of this particular ant'. And, who can forget the Florida Pygmy Mole Cricket *Neotridactylus archboldi*, a fascinating subterranean orthopteran that feeds on algae below the surface of the sand, identified and described by Mark Deyrup and Tom Eisner (1996). If it seems like a lot of arthropods, you are correct. **The 66 holotypes include 60 insects (e.g., beetles, wasps, ants, flies, moths), 2 mites, 2 pseudoscorpions, 1 spider, and 1 branchiopod crustacean.**

Archbold Director Celebrates 20 Years



Hilary Swain smiles during a film interview for '[Jumping Into Science](#)' (story below) in front of the 'new' Learning Center at Archbold.

Hilary Swain can recall her arrival to Archbold Biological Station on August 1st 1995, a blustery day after the passage of Hurricane Erin. When asked about two decades of achievements as Archbold Executive Director she said, **'I'm proud to have contributed new dimensions to Archbold while maintaining core values of first-rate science, long-term studies, welcoming scientists from around the world, highlighting natural history, saving Florida's most**

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"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

endangered species and ecosystems, and connecting people with nature and science.' Some of Archbold's new 'dimensions' include the acquisition and ecological restoration on the [Archbold Reserve](#), research into ecosystem processes, combining ecology and economics for Florida's cattle ranches, expanding IT and other technologies, and the green buildings of the [Learning Center and Lodge](#). 'All of this is possible because of a loyal and multi-talented team of Archbold scientists, support staff, the Board, and volunteers. I've only made course corrections to help steer the great Archbold ship ahead.'

Jumping Into Science



Summer campers, children of Delray Plants employees, explore and sample a seasonal pond. Watch companion video [here!](#)

Archbold partnered with [Delray Plants](#), our plant nursery neighbors down the road, to create a special Ecology Summer Camp for their employee's children in July. Delray Plants CEO, Randy Gilde, immediately embraced the idea and a Spanish language flyer was created to advertise the opportunity. By rearranging our summer camp schedule to tie into the employee work shifts, we attracted more than 20 new campers. Dustin Angell, Archbold Education Coordinator, guided the curious kids through a **science discovery extravaganza** including a buggy ride at the [MacArthur Agro-ecology Research Center](#), seasonal pond sampling, tortoise tracking, field scientist



Archbold Job Openings

[Development Assistant](#)

[Data Assistant](#)

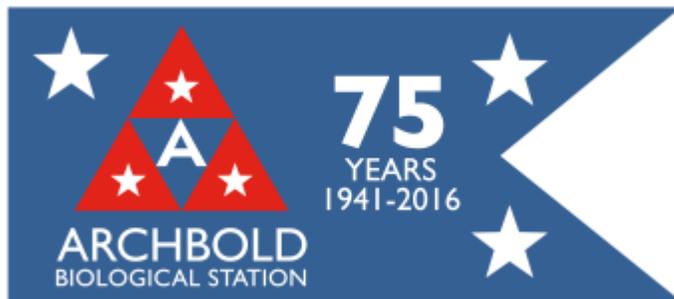
[Assistant Collections Manager](#)

More information [here!](#)

[Archbold Facebook Event Calendar](#)

interactions and more! Hilary Swain said, 'This camp was a wonderful success. We really enjoyed these children who were so enthusiastic and excited about all of these new experiences. We also appreciated hosting their parents!' **Check out ['Jumping Into Science'](#), a short documentary video of the kids jumping into the wonders of nature!**

Archbold's 75th Anniversary Logo



[Richard Archbold](#), famed aviator, explorer, and research associate at the American Museum of Natural History, founded the Archbold Biological Station in 1941 thus establishing an enduring tradition of long-term ecological research, conservation, and education. **In anticipation of the Station's 75th Anniversary in 2016, we are launching a celebratory logo.** Our current red star triangle logo was designed in the mid-1930's by Richard Archbold for his 2nd and 3rd Archbold Expeditions to New Guinea. His seaplane, named the Guba, wore this logo on her around the world flight in 1938-1939. The elements of this logo were derived from the burgee flag of his father's yacht named 'Hibiscus'. Our celebratory 75th logo heralds the iconic red triangle against a blue background symbolizing the burgee flag. **Resembling a medal of honor pinned on a ribbon, it pays homage to the long history of the organization.** Stay tuned for an upcoming year of events to mark 75 years of remarkable achievements at Archbold!

E-Natural History Collection



The Lake Annie dock at Archbold was 4" underwater in late August. It was last this high after the 2004 hurricane season.

Directions to Archbold Biological Station



Mark Deyrup holding a tiny fraction of the very impressive insect collection.

Archbold's diverse Natural History Collection encompasses a unique, irreplaceable record of life in the Florida scrub and surrounding environs, including endemics, threatened species, and non-natives. It is used by staff and scientists worldwide. In the last five years, the Collection has been used on-site by 110 investigators, contributed to descriptions of 12 new species, and resulted in 58 publications. Data from ~10,000 specimens of plants and arthropods out of the total 272,000 specimens (fishes, amphibians, reptiles, birds, mammals, plants, bryophytes, arthropods) are already online. **A new 3-year award from the [Collections in Support of Biological Research program of the National Science Foundation \(NSF\)](#) will allow us to database, image, and post remaining specimen data online.** Archbold is partnering with [iDigBio](#), also NSF funded, to advance this work. We hope to demonstrate the important research contributions that field station collections can make by providing broad access to specimen data.

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



[Archbold Biological Station](#) | [MacArthur Agro-ecology Research Center](#) | [Archbold Reserve](#)

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