



David Sherer

# ARCHBOLD JUNE 2017 NEWS for curious minds



### In This Issue:

1. Butterfly Revisit
2. Fire Plan Accountability
3. 45 Years of Fun
4. Sparrow Gets the Spotlight
5. A Day at the Ranch

## Butterfly Revisit



Marc Minno

A Banded Hairstreak (*Satyrium calanus*).

In 1986, Marc Minno spent a summer at Archbold with his wife, Maria, as an Entomology intern with Dr. Mark Deyrup. As a budding naturalist and future author of numerous books and publications on butterflies and moths, Marc trained his eye and net on the Florida scrub. The result was the **first inventory of Archbold's butterflies (70 species) and Lepidoptera (1,112 species of moths and butterflies) published in 1992** with natural history descriptions including larval host plants and flowers visited. He noted then, 'Changes in habitat and climate are likely to cause changes in the butterfly fauna'. Now, over 30 years later, Dr. Minno is



[Donate Now](#)

[Archbold Biological Station Website](#)

[Subscribe to our Monthly News](#)

"Archbold Biological Station is one of America's iconic centers of continuous

back. During one of his monthly visits he said, **'I thought it would be interesting to revisit the butterflies at Archbold to see what changes have occurred over 30 years.'** For example, 'The Three-spotted Skipper (*Cybaeus tripunctus*) is now breeding on Guinea Grass (a non-native). And, several butterflies appear to no longer occur at the Station.' Minno is especially keen to find the Banded Hairstreak (*Satyrus calanus*), a small and secretive butterfly associated with Scrub Hickory. 'There may be a cryptic undescribed species within the Florida populations'. Stay tuned! In the meantime, check out Minno's blog [here](#).

## Fire Plan Accountability



2016 Archbold prescribed fire in oak scrub.

Kevin Main, [Archbold Land Manager](#), and Eric Menges, [Archbold Plant Ecology](#) Program Director, created Archbold's first Fire Management Plan (FMP) in 1997. The plan outlined diverse goals for fire heterogeneity across the landscape to benefit not only fire-adapted species (e.g., Florida Scrub-Jays, Gopher Tortoises, rare plants), but also research objectives. This is, after all, a field research station. **Now 20 years later, they took stock of their FMP publishing a new paper, 'Evaluating a Fire Management Plan for Fire Regime Goals in a Florida Landscape' in the Natural Areas Journal** with co-authors Roberta Pickert and Kye Ewing (contact Menges for pdf). Archbold is able to evaluate their FMP because of meticulously recording decades of fire history (all burns mapped for severity), vegetation, as well as plant and animal responses in GIS for analysis. They found

research and education in field biology. It is a prototype of what we need all across America."

— Edward O. Wilson

## Public Events

**June 3:** 3:00 pm-4:00 pm

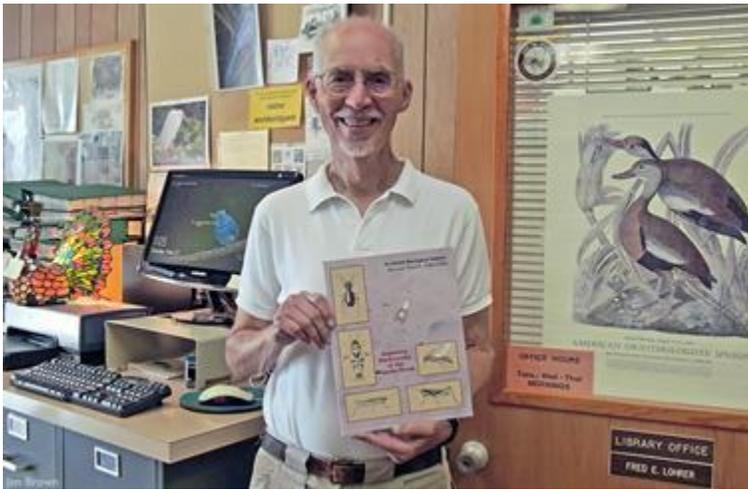
'50 Years of Field Research at the Archbold Biological Station:

How I Fell in Love with Florida Scrub'

Jim Carrel, University of Missouri

Archbold is achieving goals to burn more frequently and burn during May-September. We are ahead of schedule burning Rosemary scrub (requires infrequent fire) but behind schedule for burning sandhill (requires frequent fire). We are right on schedule for burning scrubby flatwoods (requires intermediate fire). **The diverse Florida scrub plays a big part in fire heterogeneity** simply because each plant community from the high rosemary to low flatwoods responds differently to fire. The authors write, 'Our analysis of the FMP for Archbold Biological Station has been useful in that it has lead us to plan an update of the Plan, scheduled to be completed in 2017.'

## 45 Years of Fun



Fred Lohrer stands outside his office holding one of the many documents he worked on as Editor.

### **On June 1st, Fred Lohrer marks 45 years working as the [Librarian](#) for Archbold Biological Station.**

Now working part-time, Fred says, 'There are things to do and it is fun to do...It's as if they are paying me to have fun.' Fred recollects seeing a 3x5 card on the University of South Florida (USF) Zoology Department bulletin board for a Librarian job at Archbold back in 1972. Fred was a soon-to-be graduate with a Master's degree in Ornithology and Mammalogy at USF and was eager for work in his field. Fred got the job and became the Scientific Assistant and Librarian for Jim Layne, Archbold's first Research Director. Such was his start at Archbold Biological Station studying Eastern Screech-Owls outdoors then learning librarianship indoors. Fred adapted and thrived in the intellectual environment at

[Archbold Facebook Event Calendar](#)



Connect with us on  
Facebook!

Archbold. **'Archbold is a small organization. So most of us wear multiple hats. That makes things fun and challenging.'** Over the years with four different Executive Directors, Fred has worn many hats. Current director Hilary Swain notes that for everyone from board member to intern, **'Fred is always the go-to keeper of Archbold's collective memory'**. Perhaps his crowning accomplishment is maintaining the [record](#) of the extraordinary science publications produced by Archbold staff scientists and visiting scientists. His contributions are an enduring legacy.

## Sparrow Gets the Spotlight



'Will the Florida Grasshopper Sparrow make it through the 21st century? Prospects seem bleak, but conservation teams offer reason for hope.'

Over 200 kinds of birds can be seen in Highlands County and some are better known than others. 'There is one bird in Highlands County that most people who live or visit here have never heard of, and that's unfortunate, because it's Florida's rarest and most imperiled one,' says Archbold's Education Coordinator Dustin Angell. He aims to change that with a new photo essay called "[Saving the Florida Grasshopper Sparrow](#)." The [Cornell Laboratory of Ornithology](#) published Angell's photos in the spring issue of their Living Bird magazine. **The photo essay shows the sparrow and its home, describes how loss of habitat and other factors are hurting this found-only-in-Florida sparrow subspecies, and demonstrates how wildlife biologists are trying to keep the bird from going extinct in the wild,** which some worry will happen in as little as the next ten years. Archbold's Director of Avian Ecology, Dr. Reed Bowman, works directly with



Check out our Youtube Videos!



Watch '[Black Vulture Chicks in a Bayhead](#)', a 10 second video from [Archbold Facebook](#). David Sherer, Archbold Avian Ecology Graduate Intern, was searching for Florida Scrub-Jay nests in the Florida scrub at Archbold when he heard unusual sounds coming from a bayhead commenting, 'The sound gave me a bit of a fright until I noticed the Black Vulture chicks.'

the Avon Park Air Force Range to oversee Florida Grasshopper Sparrow monitoring on their property. Bowman said, 'Our work now balances continued research on the wild birds and creation of healthy captive populations so that if the worst happens, we might still save the sparrow through reintroductions.'

## A Day at the Ranch



Captain David Christopher, US Army, fishing during sunset at Buck Island.

**Buck Island Ranch recently hosted a special day and evening dinner event under the Ranch Oak Hammock honoring the [Paralyzed Veterans of America Central Florida Chapter](#) (PVACF).** Roger Sack, Sports Director for PVACF said, 'Buck Island is a beautiful, working research ranch that is vital to keep quality and environmental studies for Florida farming and ranches. It is a hidden away paradise that many have known about for generations. Thank you Archbold Biological Station and your staff in your support of the PVA Central Florida Chapter and our Veterans. **Your dedication and hospitality to our Veterans gives them help, hope and determination to carry on in their daily lives.**' Sponsored also by Mossy Oak, Florida Cattleman's Association, The Turkey Thugs and Outdoor Recreational Heritage Fund (ORHF), this event welcomed Lt. Commander Amir Pishdad, Jr., U.S Navy, SEAL Team V, as well as Captain David Christopher, US Army. To learn more about how you can support paralyzed veterans, go to: [www.pvacf.org](http://www.pvacf.org).

## Directions to Archbold Biological Station

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



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.

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

[Contact Us](#) | [Directions](#) | [Newsroom](#) | [Donate](#)

We are a publicly supported organization exempt from income taxes under the Internal Revenue Code Section 501(c)(3).

[Privacy Policy](#) | [Unsubscribe](#)

[Archbold](#)  
123 Main Drive, Venus, FL 33960