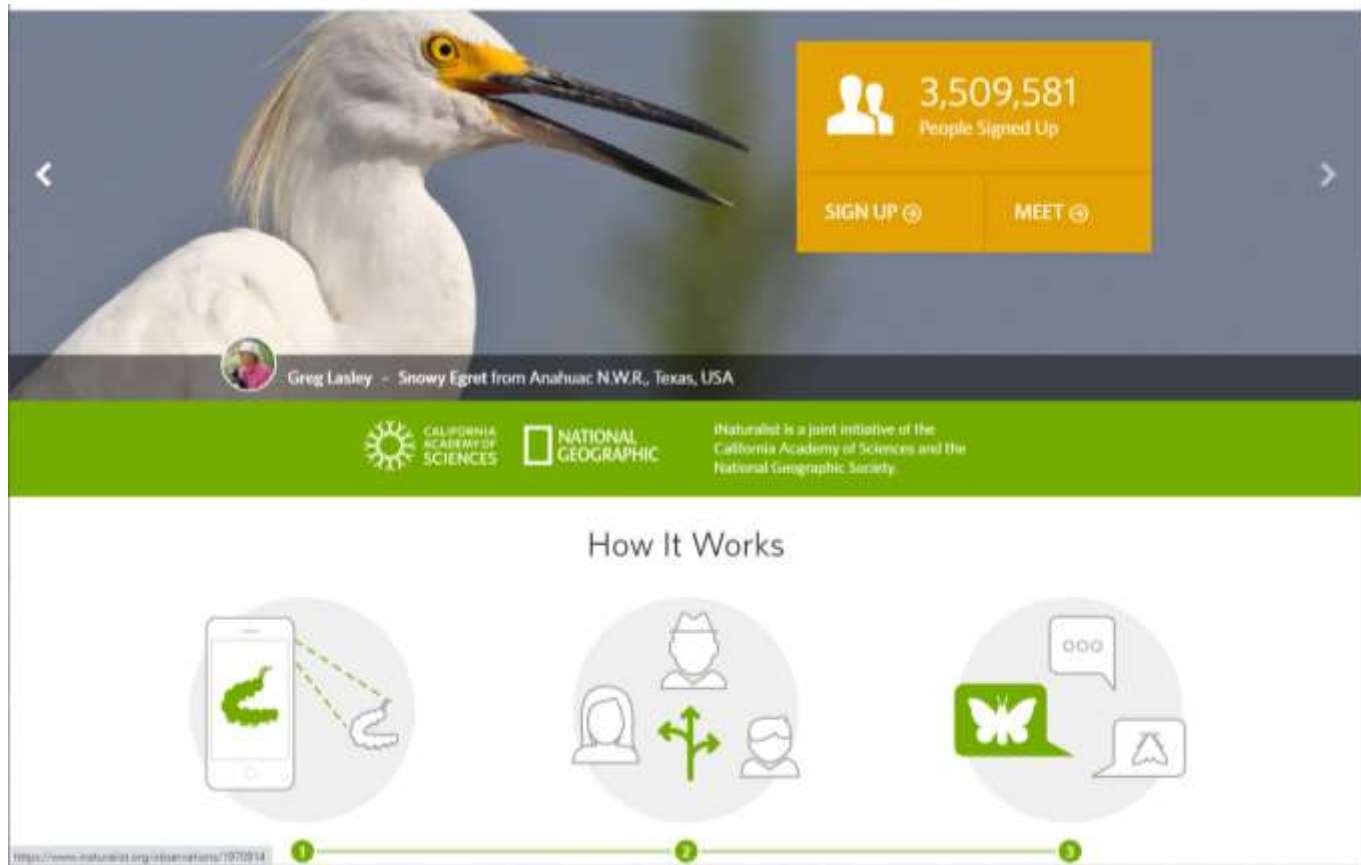


# Around the world with iNaturalist

Lori Buffum, Certified Texas Master Naturalist,  
Gideon Lincecum Chapter Class of 2014

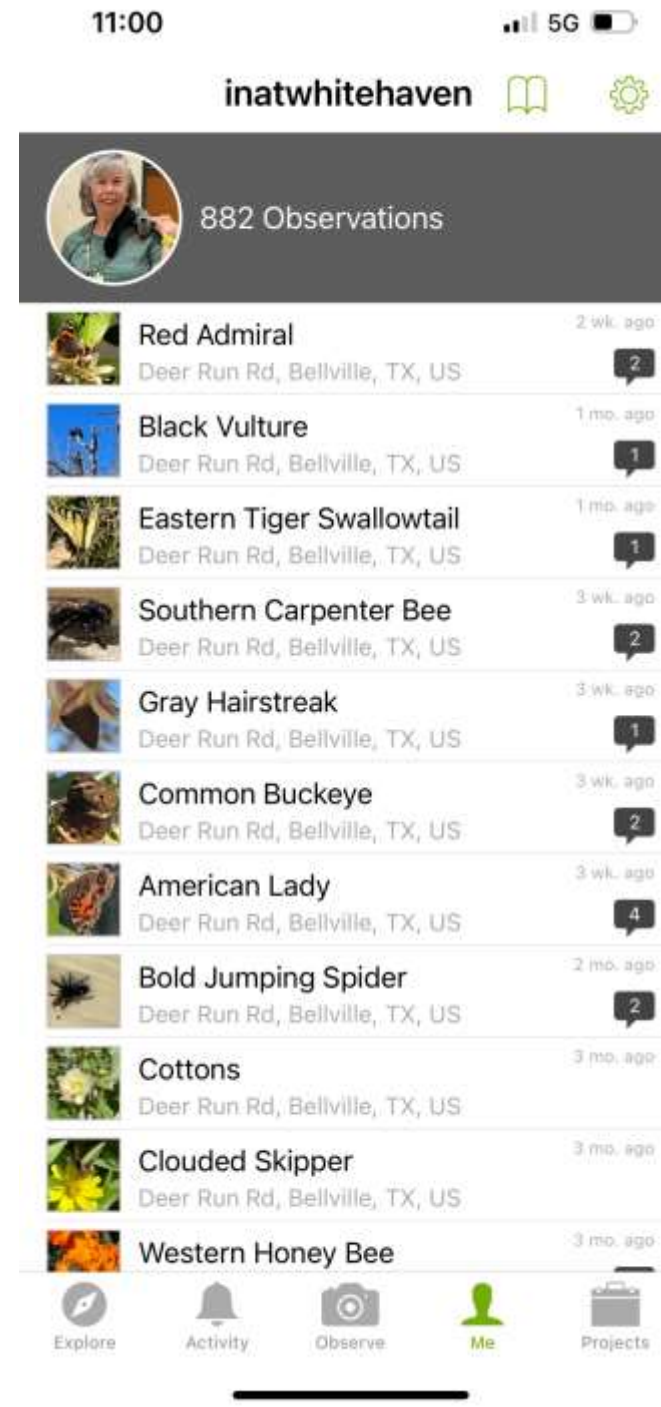
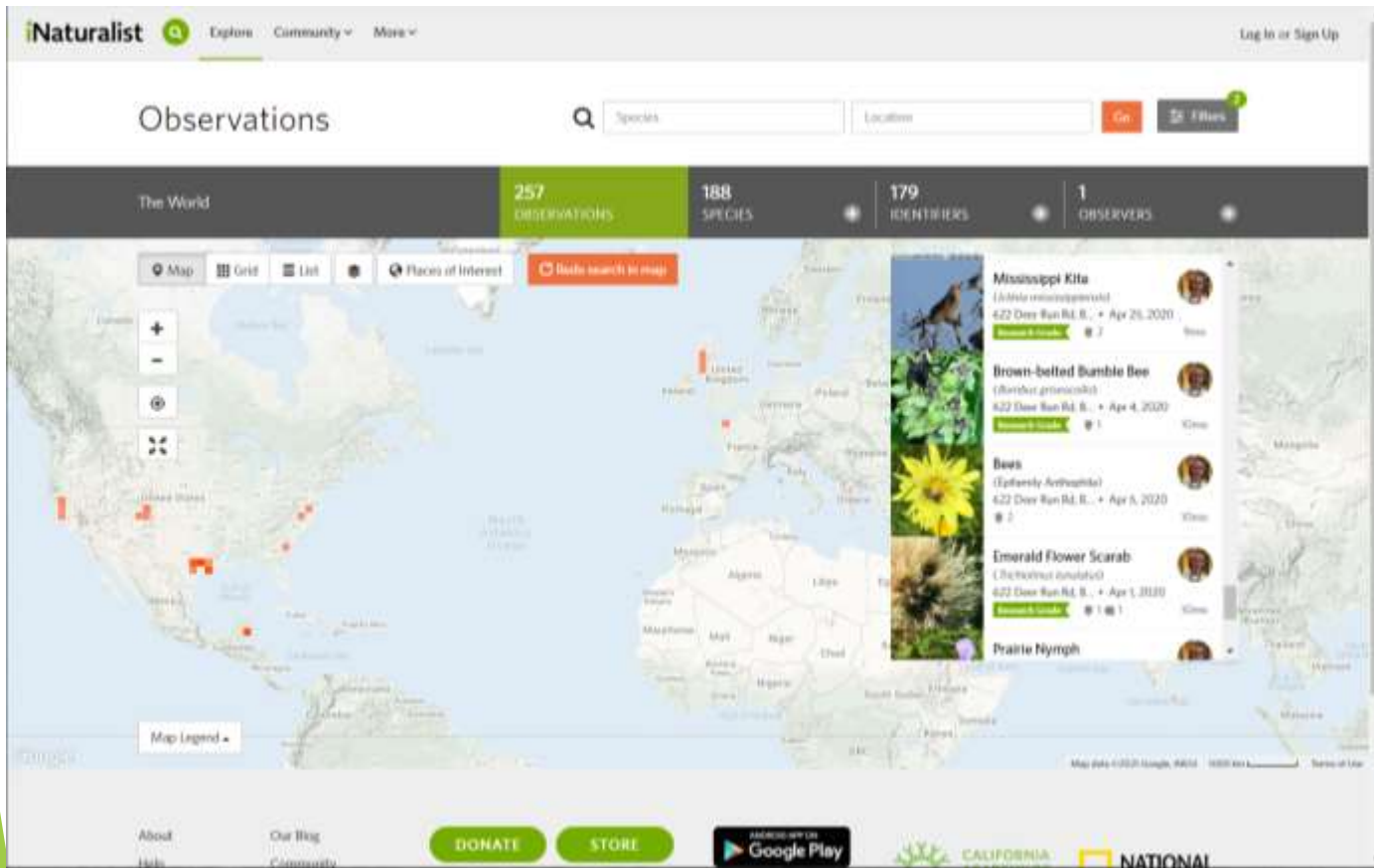
[buffumhl@gmail.com](mailto:buffumhl@gmail.com)

# Set up your iNaturalist profile and get the APP for your smartphone



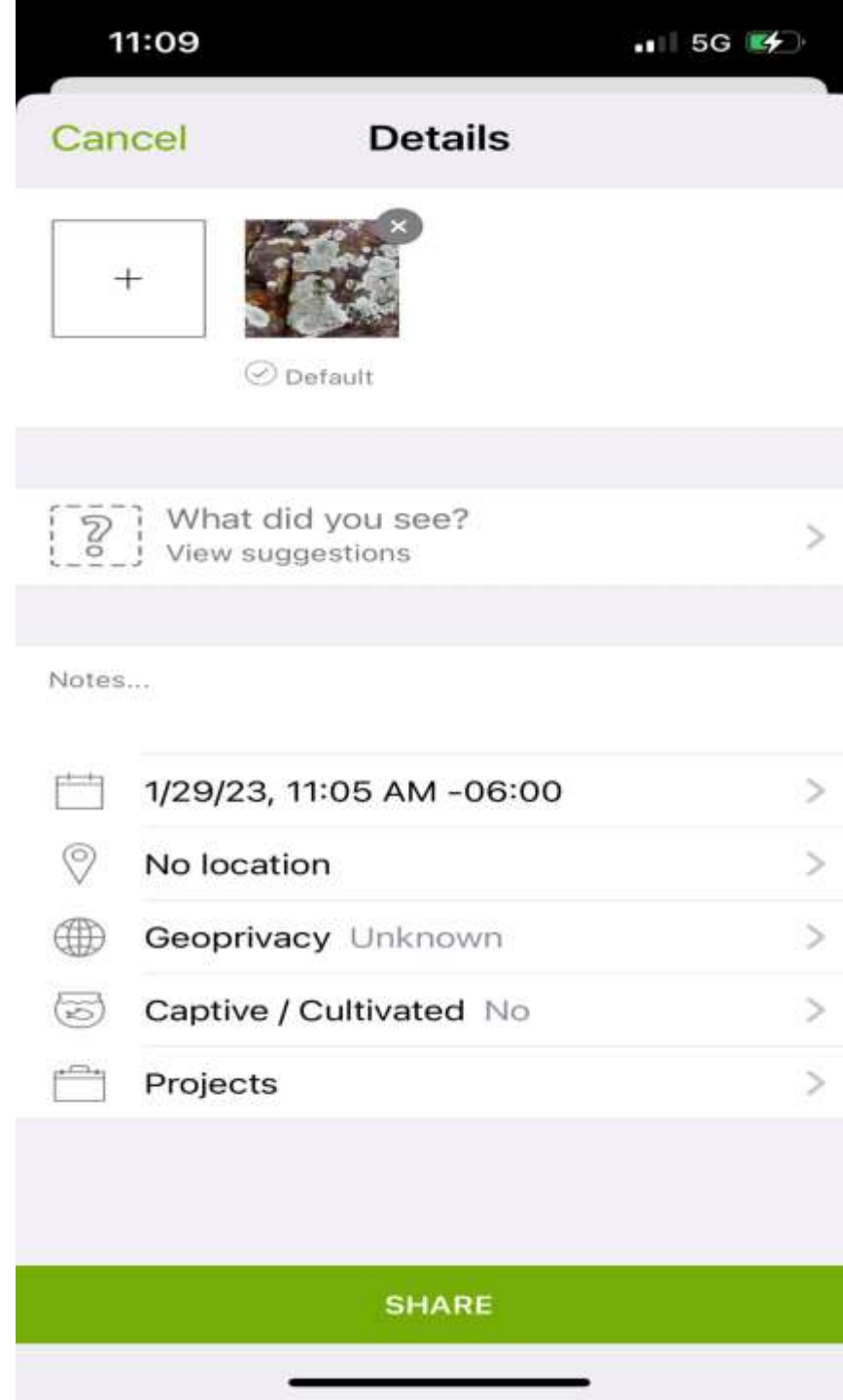
<https://www.inaturalist.org/> or iNaturalist APP for iPhone or Android

# Take iNaturalist with you!



# The basic steps


- ▶ Take a picture
- ▶ Edit your picture on your smartphone
- ▶ Open iNaturalist APP
- ▶ Click Observe
- ▶ Select photo
- ▶ Add more details as needed (Location for example, or date/time if not indicated)



# The basic steps (continued)







- ▶ View suggestions
- ▶ Click **circled i** for information on each suggestion
- ▶ Once you think you have a match, click species name
- ▶ Click SHARE

< Details

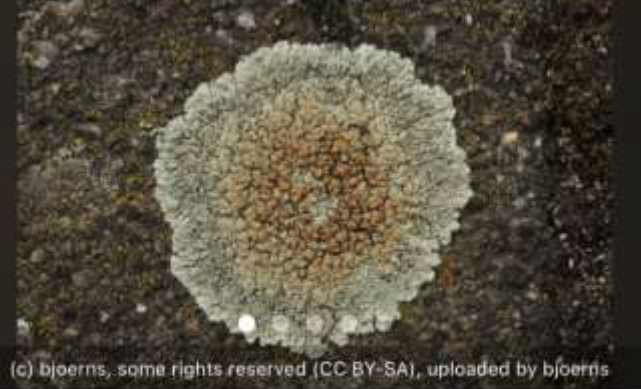


Look up a species by name

WE'RE NOT CONFIDENT ENOUGH TO MAKE A RECOMMENDATION, BUT HERE ARE OUR TOP SUGGESTIONS.

	<b>Stonewall Rim Lichen</b> <i>Protoparmeliopsis muralis</i> Visually Similar / Seen Nearby	
	<b>Star Rosette Lichen</b> <i>Physcia stellaris</i> Visually Similar / Seen Nearby	
	<b>Golden-eye Lichen</b> <i>Teloschistes chrysophthalmus</i> Visually Similar / Seen Nearby	

< Back Stonewall Rim Lichen  
inatwhitehaven



(c) bjoerns, some rights reserved (CC BY-SA), uploaded by bjoerns

Select "Stonewall Rim Lichen"

Copy Scientific Name

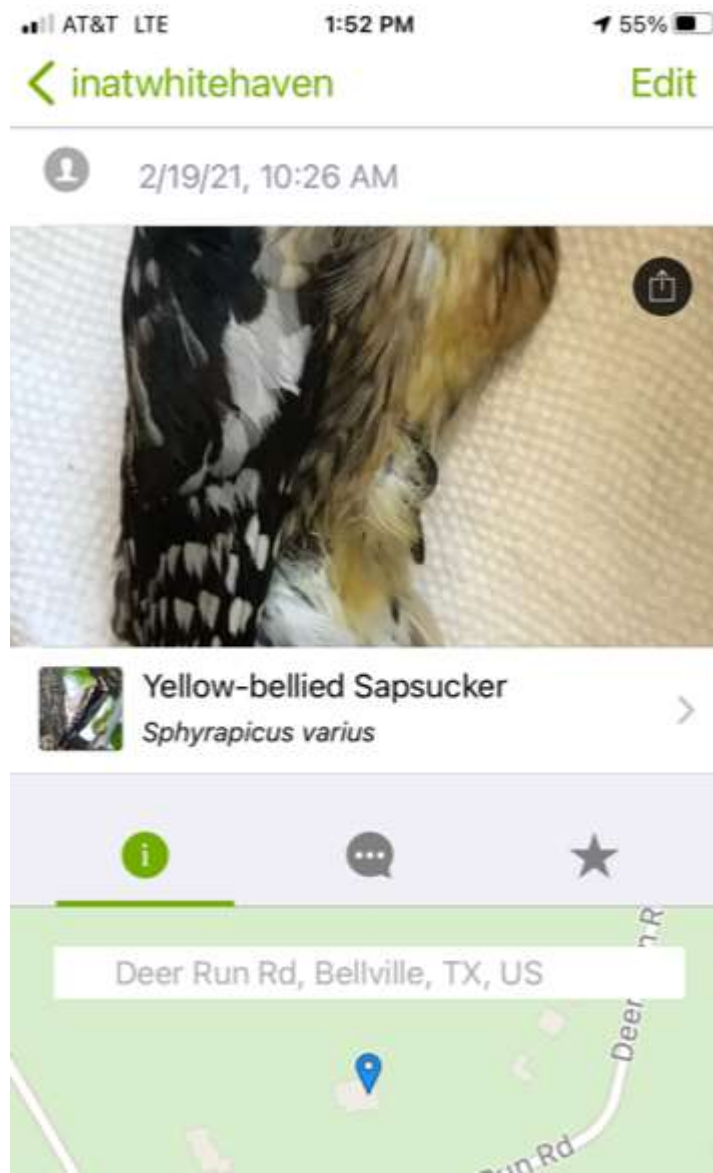
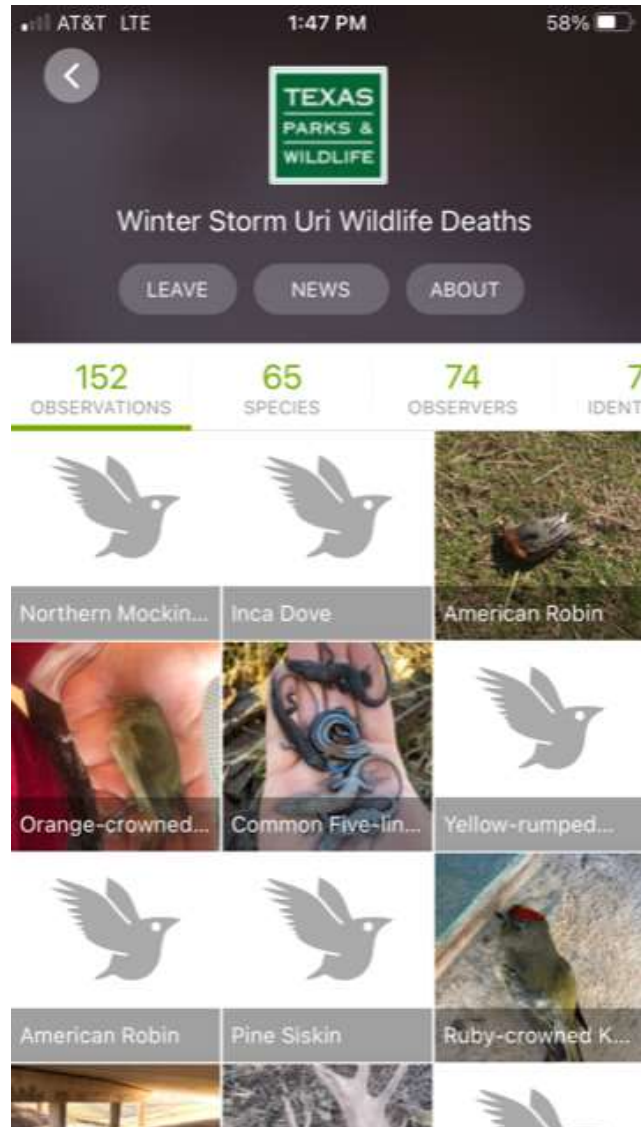
**Stonewall Rim Lichen**

*Protoparmeliopsis muralis*

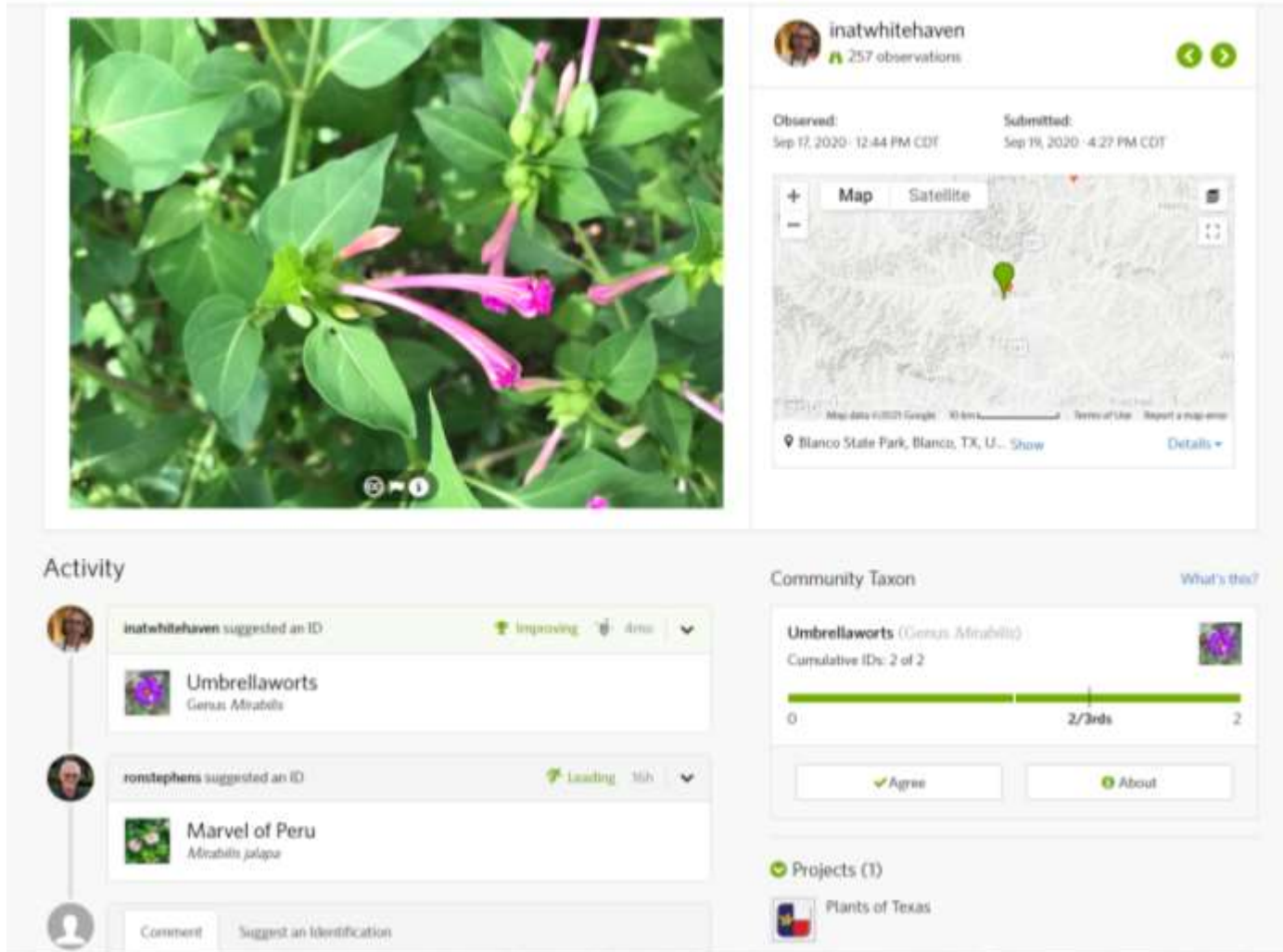
Lecanora muralis (Protoparmeliopsis muralis) is a waxy looking, pale yellowish green crustose lichen that usually grows in rosettes radiating from a center (placodioid) filled with disc-like yellowish-tan fruiting bodies (apothecia). It grows all over the world. It is extremely variable in its characteristics as a single taxon, and may represent a complex of species. The fruiting body parts have rims of tissue similar to that of the main nonfruiting body (thallus), which is called being lecanorine.... (Source: Wikipedia, [Lecanora muralis](#), CC BY-SA 3.0)

MAP OF OBSERVATIONS

# Join a Project - Share an Observation



# Community: confirming or correcting an observation or adding it to a project



The screenshot shows an iNaturalist observation page for a pink flower. The observation is by user **inatwhitehaven** (257 observations), observed on Sep 17, 2020 at 12:44 PM CDT, and submitted on Sep 19, 2020 at 4:27 PM CDT. The location is Blanco State Park, Blanco, TX, U.S. The observation includes a photo of the flower and a map showing the location. Below the observation, there is an **Activity** section with two entries: **inatwhitehaven** suggested an ID **Umbrellaworts** (Genus *Mirabilis*) and **ronstephens** suggested an ID **Marvel of Peru** (*Mirabilis jalapa*). The **Community Taxon** section shows **Umbrellaworts (Genus *Mirabilis*)** with a cumulative ID count of 2 of 2, and a progress bar showing 2/3rds. There are buttons for **Agree** and **About**. The **Projects (1)** section shows **Plants of Texas**.

**inatwhitehaven** 257 observations

Observed: Sep 17, 2020 · 12:44 PM CDT Submitted: Sep 19, 2020 · 4:27 PM CDT

Map Satellite

Blanco State Park, Blanco, TX, U.S. Show Details

### Activity

**inatwhitehaven** suggested an ID **Umbrellaworts** (Genus *Mirabilis*) **Improving** 4 hrs

**ronstephens** suggested an ID **Marvel of Peru** (*Mirabilis jalapa*) **Loading** 1 hr

Comment Suggest an identification

### Community Taxon

**Umbrellaworts (Genus *Mirabilis*)** Cumulative IDs: 2 of 2

0 2/3rds 2


Agree About

### Projects (1)

Plants of Texas


# An exciting morning

## Red-shouldered Hawk (*Buteo lineatus*) Research Grade Edit



inatwhitehaven 258 observations

Observed: Jan 29, 2021 - 10:32 AM CST      Submitted: Jan 29, 2021 - 1:12 PM CST




Austin County, TX, USA

Be the first to save this observation!

### Activity

inatwhitehaven suggested an ID Improving 2m

 **Red-shouldered Hawk**  
*Buteo lineatus* Compare

troydeclan suggested an ID 2m

### Community Taxon

**Red-shouldered Hawk** (*Buteo lineatus*) What's this?

Cumulative IDs: 3 of 3

0 2/3rds 3

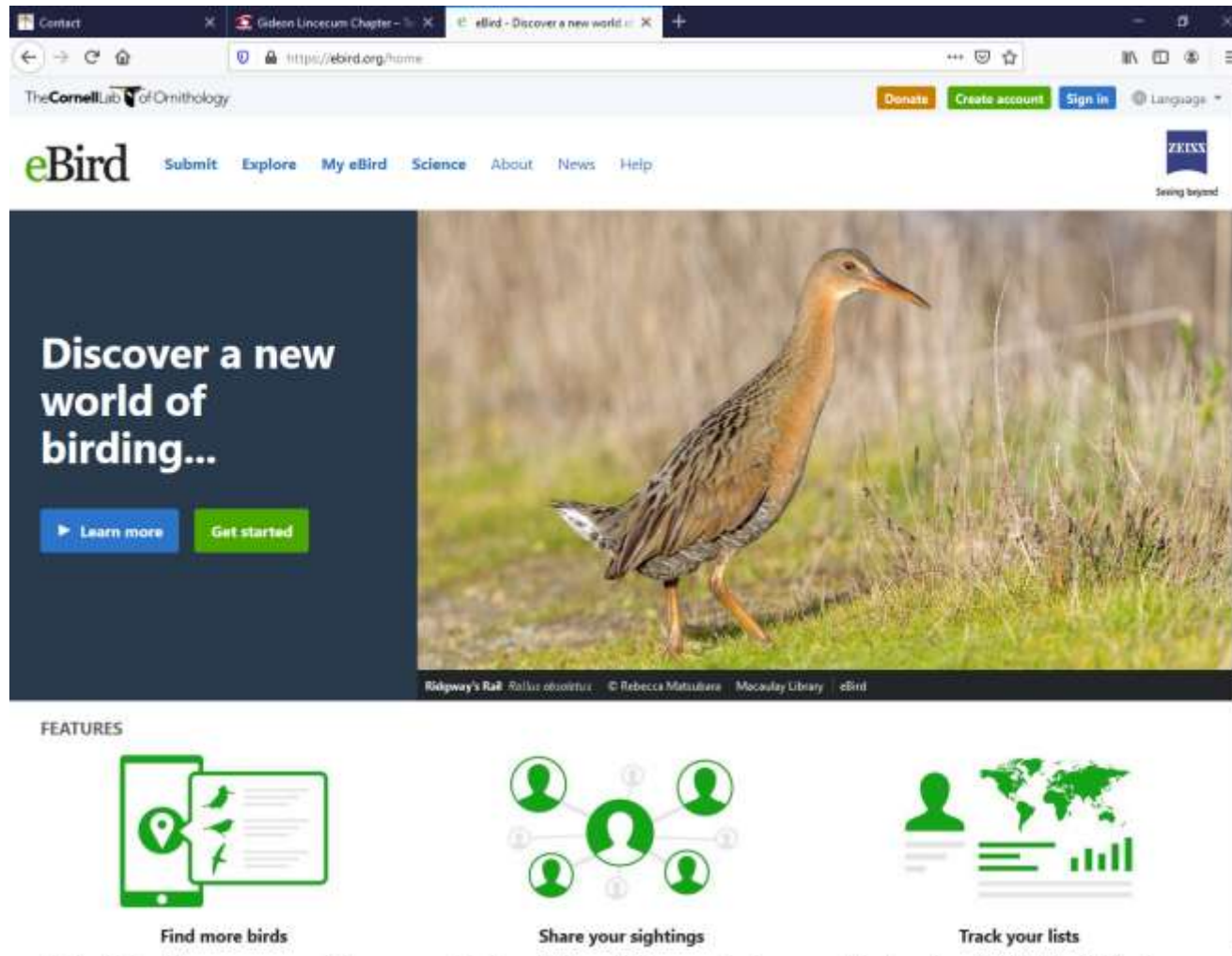
Agree Compare About



# Birding with the World - eBird

A citizen science activity

# Set up your eBird profile and get the APP



<https://ebird.org/> and eBird App for iPhone or Android

Open eBird APP to  
start “birding”



Type name of bird  
or select from list

20:52 0.00mi Auto selected 30.02231, -96.29224

Likely species based on 27 checklists in 20x20km area

+ Add observation or find species

- + Inca Dove
- + White-winged Dove
- + Mourning Dove
- + Rufous Hummingbird
- + Killdeer
- + Double-crested Cormorant
- + Black Vulture
- + Turkey Vulture
- + Red-shouldered Hawk
- + Red-tailed Hawk
- + Barred Owl
- + Yellow-bellied Sapsucker
- + Red-bellied Woodpecker
- + Downy Woodpecker

+ ☰ 2 Stop

# Click on MerlinID to learn about that bird

- Enter number
- Choose breeding code
- Add any details you want
- Click on Merlin ID to learn about that bird
- Click Done to return to checklist

**Chipping Sparrow**  
*Spizella passerina*

Number Observed  
7

Add details about this observation

BREEDING CODE

H H In Appropriate Habitat

F H S S7 M  
P T C N A  
B PE CN NB DD  
UN ON FL CF FY  
FS NE NY

Done

Merlin  
BIRD ID

Close

Chipping Sparrow  
*Spizella passerina*



BREEDING ADULT

Small, slender sparrow with short bill and long, narrow tail. Plain grayish breast, rusty cap, and black eyeline in breeding season. Not as bright in winter, but still shows a brown cap and dark eyeline. Juveniles are extensively streaky. Common and widespread throughout most of North America. Usually found in open woodlands, scrubby areas, or even in suburban settings. Often gathers in flocks in fall and winter. Visits feeders. Frequently heard singing a fairly dry trill. Compare with similar Clay-colored, American Tree, and Brewer's sparrows, but look for Chipping Sparrow's gray rump and dark eyeline.



ID Info



Sounds



Map

Add observations until you're ready to complete that checklist. Click Stop.

The screenshot shows a mobile application interface for adding observations. At the top, there is a status bar with a location icon, the time 20:52, a distance of 0.00mi, and an auto-selected location (30.02231, -96.29224) with a green checkmark. Below this is a header that reads "Likely species based on 27 checklists in 20x20km area". A green plus sign icon is followed by the text "Add observation or find species". Below this is a list of species names, each preceded by a plus sign icon: Inca Dove, White-winged Dove, Mourning Dove, Rufous Hummingbird, Killdeer, Double-crested Cormorant, Black Vulture, Turkey Vulture, Red-shouldered Hawk, Red-tailed Hawk, Barred Owl, Yellow-bellied Sapsucker, Red-bellied Woodpecker, and Downy Woodpecker. At the bottom of the screen, there is a navigation bar with a green plus sign icon, a menu icon, a green checkmark icon with a blue circle containing the number 2, and a green button labeled "Stop".

20:52 0.00mi Auto selected 30.02231, -96.29224

Likely species based on 27 checklists in 20x20km area

+ Add observation or find species

- + Inca Dove
- + White-winged Dove
- + Mourning Dove
- + Rufous Hummingbird
- + Killdeer
- + Double-crested Cormorant
- + Black Vulture
- + Turkey Vulture
- + Red-shouldered Hawk
- + Red-tailed Hawk
- + Barred Owl
- + Yellow-bellied Sapsucker
- + Red-bellied Woodpecker
- + Downy Woodpecker

+ ☰ ✓ 2 Stop

Complete any additional fields (like location) and click Submit

2:10 5G

FRI 3 Feb 2023 01:58 PM

622 Deer Run Rd, Bell...30.02230, -96.29226

STATIONARY ▾

Observers	Minutes	Miles
1	11	

Is this a complete checklist of the birds you were able to identify?

Yes No

ADD CHECKLIST COMMENTS

1 Species

1	American Robin
---	----------------

< Submit

# Learn more about each bird


DATA FOR: World LIST: World Life List Change species Inca Dove

Pelecaniformes > Ardeidae

## Great Egret


*Ardea alba*

SEEN PHOTO AUDIO YEAR




ADULT © Alex Lamonica eBird 51110123 Macaulay Library ML 3276091


**BREEDING ADULT**




**ADULT**



**ADULT**



**ADULT**



**Identification**  
POWERED BY MERLIN


Large, pure white heron with daggerlike yellow bill. Long black legs. Note angled kink in the middle of the neck. Forages in shallow wetlands by slowly stalking prey. Often nests in large and noisy colonies, frequently mixed in with other species. Largest and most widespread white heron.

**Listen**  
+5 more audio recordings

**Statistics**

Observations With photos With audio

**Range Map** Large map



[https://macaulaylibrary.org/asset/70610211?\\_hsrc=60209138:ef1b21e97c77ed50c1560a4b361ed3:1611779664537:1611779664537:1611779664537:1611779664537:1611779664537:1611779664537&\\_hsfp=209668515](https://macaulaylibrary.org/asset/70610211?_hsrc=60209138:ef1b21e97c77ed50c1560a4b361ed3:1611779664537:1611779664537:1611779664537:1611779664537:1611779664537:1611779664537&_hsfp=209668515)



# Join the Great Backyard Bird Count February 17-20, 2023



<https://www.birdcount.org/>

# Sign up for Project FeederWatch



November - April  
Cost: About \$18

<https://feederwatch.org/>

# Practice, practice, practice

- ▶ Reach out to a chapter buddy for help using the APPs.
- ▶ Try observing 1 thing a day or 1 thing a week to build up your skills and your lists
- ▶ Pay attention to ID confirmations or corrections
- ▶ Learn more by researching your observations at websites like <https://www.wildflower.org> or <https://www.allaboutbirds.org>
- ▶ Share your experiences on our chapter Facebook group or in our newsletter
- ▶ Have a blast!!!
- ▶ Earn volunteer service hours when you join an event (with eBird) or a project (with iNaturalist)

# Log volunteer service hours

- ▶ Posting observations on iNaturalist when you are contributing to a PROJECT that has been prequalified by the GL chapter; for example,
  - ▶ City Nature Tracker Challenge (coming up in April)
  - ▶ Pollinator Bioblitz (October)
- ▶ Entering eBird data for a particular EVENT / COUNT / WATCH that has been prequalified by the GL chapter; for example,
  - ▶ Project Feederwatch (annually November - April)
  - ▶ Great Backyard Bird Count (over 4 days, set dates)
  - ▶ NestWatch
  - ▶ Global Big Day
  - ▶ Christmas Bird Count

# 2023 Training Class Homework Assignments

- ▶ Set up your iNaturalist account/profile
- ▶ Put the iNaturalist APP on your smartphone
- ▶ Complete at least 3 observations
- ▶ Do some research about each observation
- ▶ Write a short report about the 3 observations:
  - ▶ Common name
  - ▶ Scientific name
  - ▶ When and where you observed it
  - ▶ One fun fact that you learned about each
- ▶ Set up your eBird account/profile
- ▶ Put the eBird APP on your smartphone
- ▶ Complete a checklist that includes at least 1 species of bird
- ▶ Do some research about that bird
- ▶ Write a short report about your bird:
  - ▶ Common name
  - ▶ Scientific name
  - ▶ When and where you observed it
  - ▶ One fun fact that you learned about your bird

Email completed reports to Lori Buffum [buffumhl@gmail.com](mailto:buffumhl@gmail.com) Deadline is February 23. Students who complete both assignments can log an hour of Initial Training with the description of Citizen Science Apps Homework.