

# The timing of spring migration in Ohio



Hooded Mergansers. Photo by Andy Reago & Chrissy McClaren (CC 2.0)



Tree Swallow. Photo by Matthew Shumar



Nashville Warbler. Photo by Andy Reago & Chrissy McClaren (CC 2.0)



Yellow-billed Cuckoo. Photo by Andy Reago & Chrissy McClaren (CC 2.0)



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**Matthew Shumar**  
Program Coordinator, Ohio Bird Conservation Initiative

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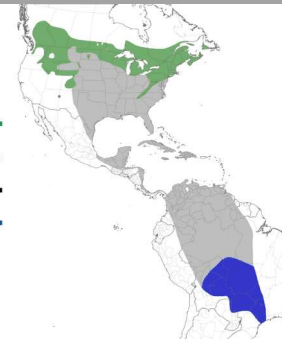
## Life cycle of birds



Veery. Photo by Andrew Weltzel



Breeding ————  
Post-breeding .....  
Migration ————  
Overwintering ————



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## Why migrate?



Source: <https://www.nationalgeographic.com/magazine/2018/03/bird-migration-interactive-maps/>

- Abundant resources at northern latitudes
- Larger area to disperse
- Longer daylight



- Maximize reproductive success

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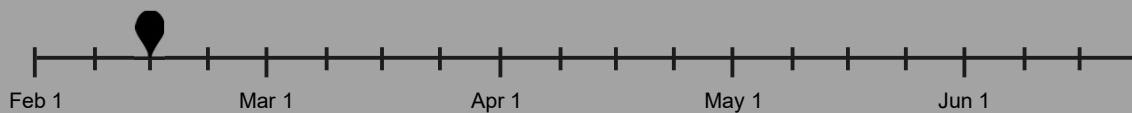
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## Mid-February

- blackbirds
- American Woodcock
- waterfowl (*beginning*)



Red-winged Blackbird. Photo by Andy Reago & Chrissy McClarren (CC 2.0)



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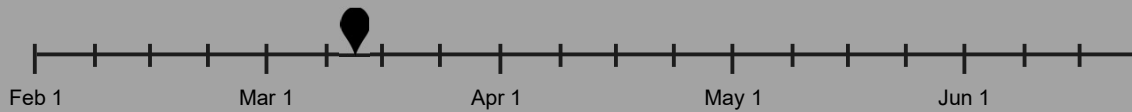
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## Mid-March

- waterfowl (*peak*)
- raptors (*beginning*)
- American Woodcock (*territorial*)
- Tree Swallow
- Eastern Phoebe



*Eastern Phoebe. Photo by Andy Reago & Chrissy McClarren (CC 2.0)*



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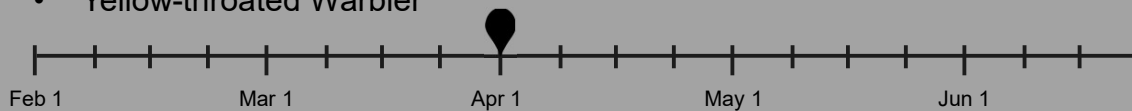
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## Early April

- waterfowl (*still strong*)
- raptors (*peak, slowing*)
- Shorebirds (*beginning*)
- Yellow-bellied Sapsucker
- kinglets
- Winter Wren
- Louisiana Waterthrush
- Yellow-throated Warbler



*American Golden-Plover. Photo by Andy Reago & Chrissy McClarren (CC 2.0)*



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## Mid-April

- waders
- shorebirds continue
- warblers start arriving!
  - Black-and-white Warbler
  - Palm Warbler
  - Nashville Warbler
- Blue-gray Gnatcatcher
- sparrows



*Great Egret. Photo by Andy Reago & Chrissy McClarren (CC 2.0)*



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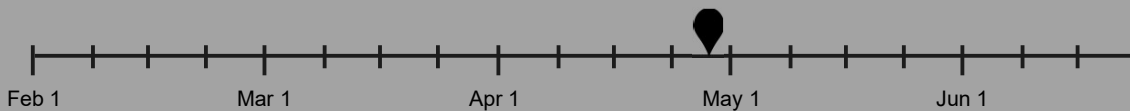
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## Late April through the first week of May

- vireos
- Ruby-throated Hummingbird
- House Wren
- thrushes
- warblers!!!
- orioles



*Blackburnian Warbler. Photo by Andy Reago & Chrissy McClarren (CC 2.0)*



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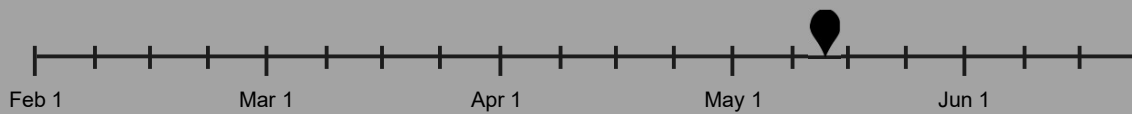
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## Mid-May

- shorebirds (*still!!*)
- flycatchers
- Swainson's Thrush
- Blackpoll Warbler
- Rose-breasted Grosbeak



*Willow Flycatcher. Photo by Matthew Shumar*



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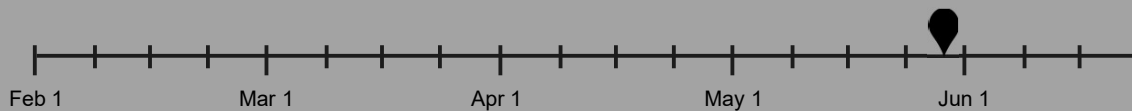
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## Late May into June

- cuckoos
- Gray-cheeked Thrush
- Scarlet Tanager
- Lincoln's Sparrow
- Indigo Bunting



*Indigo Bunting. Photo by Andy Reago & Chrissy McClarren (CC 2.0)*



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# Explore further on eBird!

The screenshot shows the eBird website interface. The 'Explore' tab is highlighted with a red circle. The main content area is divided into two columns: 'Explore Species' on the left and 'Explore Regions' on the right. Below these are sections for 'MORE WAYS TO EXPLORE' and 'SPECIES YOU NEED'. On the right side, there is a 'Bird Observations' table for the 'Union' location, showing data for 258 species across various months.

**Bird Observations Table:**

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Swan Goose (Anser cygnoides)												
Ross's Goose (Anser rossii)												
Grus (Grus grus)												
Greater White-fronted Goose (Anser albifrons)												
Cackling Goose (Branta hutchinsii)												
Canada Goose (Branta canadensis)												
Grus (Grus grus)												
Grus (Grus grus)												
Cackling/Canada Goose (Branta hutchinsii)												
Mute Swan (Cygnus olor)												
Trumpeter Swan (Cygnus buccinator)												
Trumpeter Swan (Cygnus buccinator)												
swan sp. (Cygnus sp.)												

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# Using eBird to discover birds & contribute to citizen science

**eBird** FEATURES



**Find more birds**  
Explore birds and hotspots near you and wherever you go, all based on the latest sightings from around the world.  
[Learn more](#)



**Share your sightings**  
Join the world's largest birding community. Every sighting matters. Contribute yours.  
[Learn more](#)



**Track your lists**  
What's your latest life bird? What bird lists do you care about? eBird tallies them for you and archives your photos and sounds—all for free.  
[Learn more](#)

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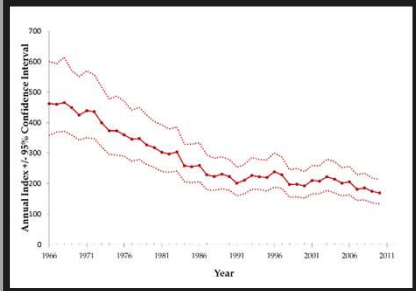
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## Long-term monitoring programs

Broad-scale programs are needed to monitor population trends for both sensitive and common species



Red-winged Blackbird



Ohio BBS trend for RWBL

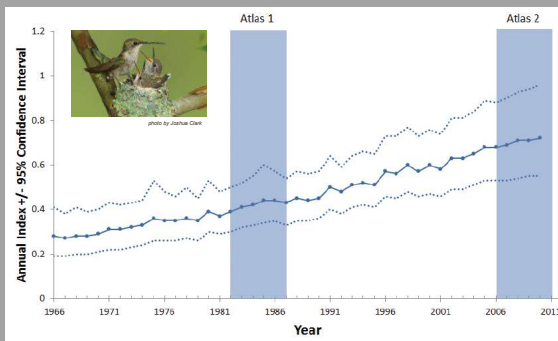
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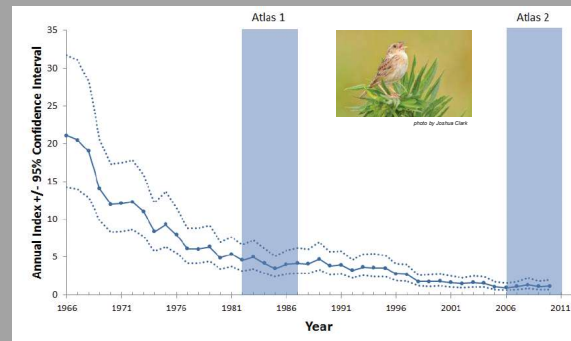
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## Long-term population trends

Ruby-throated Hummingbird



Grasshopper Sparrow



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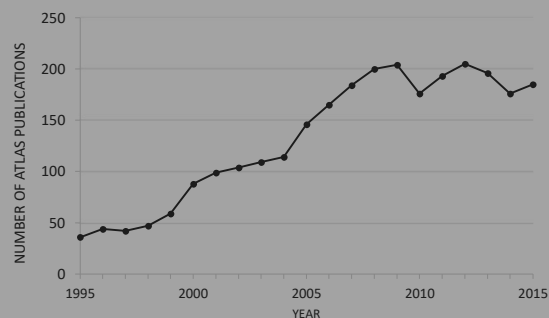
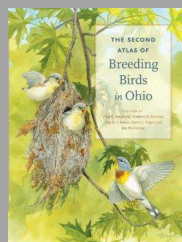
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## Published research from citizen science

- More than 4,600 publications using breeding bird atlas data
- More than 5,800 publications using eBird data
- Nearly 300,000 publications using NABBS data

eBird



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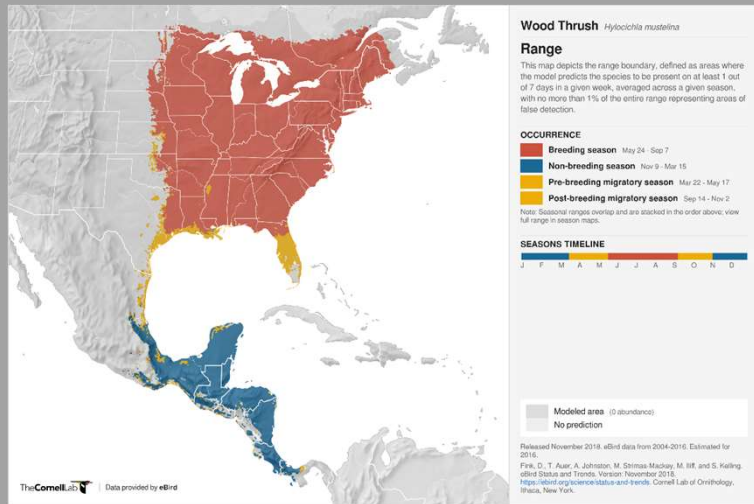


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# The power of eBird



photo by Frank Buck



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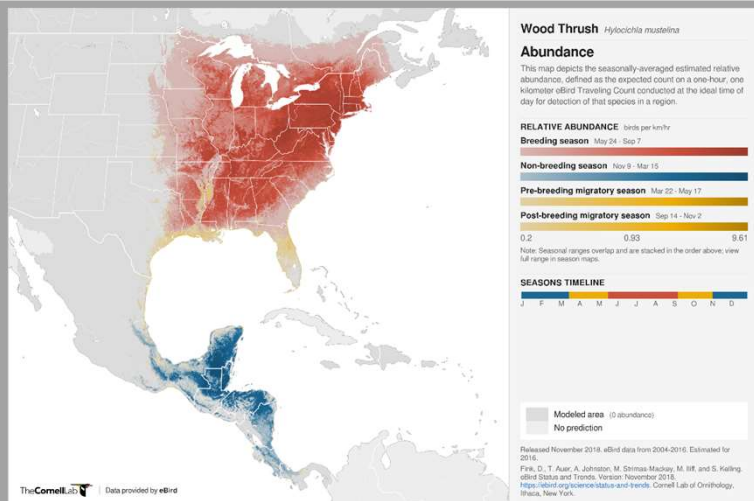
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# The power of eBird



photo by Frank Buck



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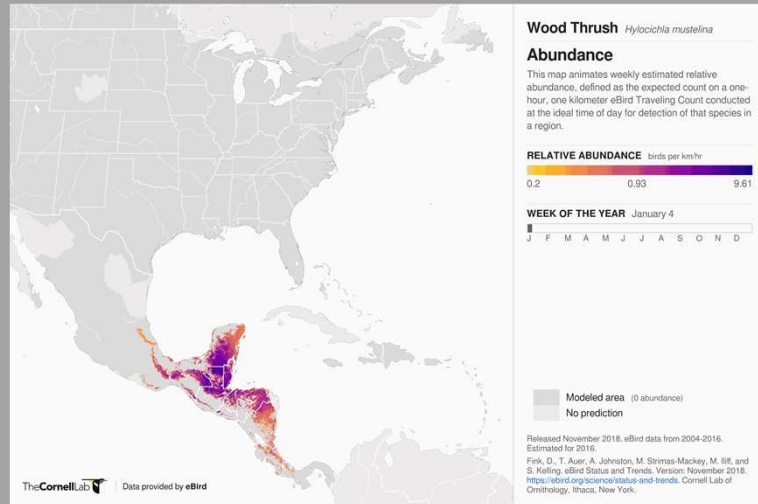
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## The power of eBird



photo by Frank Buck

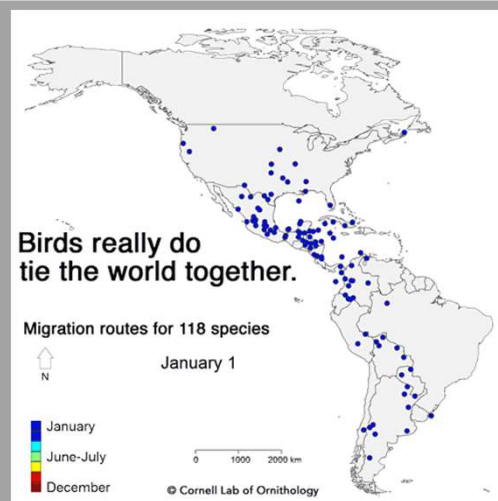


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## The power of eBird



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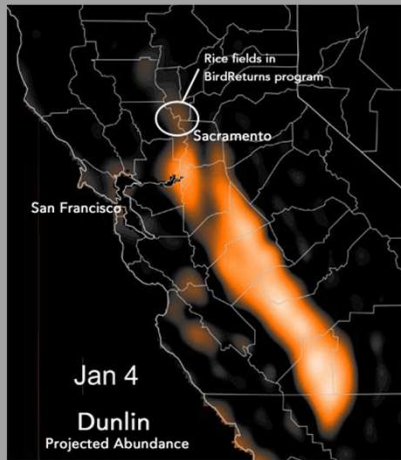
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VIDEO LINK

# Conservation action

Moneyball for Shorebirds: How Precision Analytics Are Changing Habitat Conservation



eBird

The Nature Conservancy  
Protecting nature. Preserving life.™

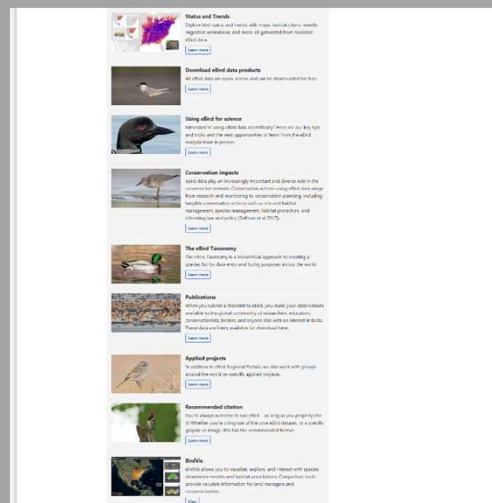
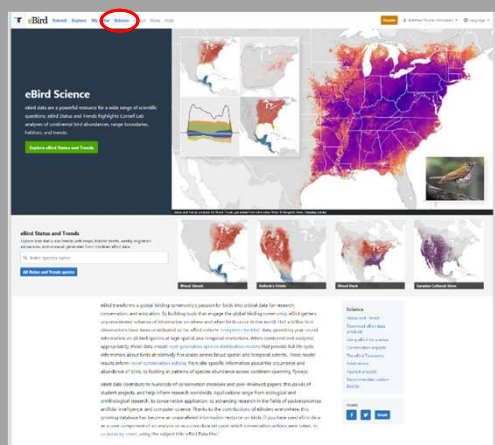


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# Exploring eBird in the classroom



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# Contribute today!

(and learn more about birds while doing it)

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VIEW
EDIT

### 7th Grade eBird Users

last edited by [phikahler](#) 6 years, 3 months ago Page history

After entering data into eBird you can share it with your classmates using their eBird account usernames. Sharing eBird data saves your friends time, prevents duplication of bird sighting data at eBird, and keeps everyone's species "Life List" updated.

Each time we go out to the bird blind only one person needs to enter our data into eBird just as long as that person remembers to share the data with everyone else in the class who participated.

Please see Mr. Kahler if you have questions.

<https://ebird.org/content/ebird/>

ducksfan000	Griffin Albertson
persues99	Carlos Cortes
rainbowcow	Eva Duncan
mandy101	Amanda Felty
alskittles	Anica Loncar
bcbrowmie83	Marcel Lopez
JBlower	Melissa Lopez-Real
456456456456	Aniel Morales
biberbelver	Autumn Sanchez
memyselfandI	Anna Selchow
cadens303	Caden Spangler
ersgrace	Emily Stephens
Dave Kim	Dave Kim
gamersgonecr	Aditya Naidu

An easier way to share with all your classmates is the copy and paste the following list. You can delete your own name or the name of any student who was not with us when the data was collected.  
ducksfan000, persues99, rainbowcow, mandy101, alskittles, bcbrowmie83, JBlower, 456456456456, biberbelver, memyselfandI, cadens303, ersgrace, Dave Kim, gamersgonecr

Do you

## eBird?

ebird.org

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## Maximize your contributions

- Notes
- Media  
(photos, videos, and audio recordings)
- Breeding Codes



1	Tufted Titmouse	<i>Parus occidentalis</i>	Remove Species
1	White-breasted Nuthatch (Eastern)	<i>Sitta carolinensis carolinensis</i>	Remove Species
1	Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	Remove Species
1	Eastern Bluebird	<i>Sialia sialis</i>	Remove Species
1	Wood Thrush	<i>Hylocichia ustulata</i>	Remove Species
2	American Robin	<i>Turdus migratorius</i>	Remove Species
2	Brown Thrasher	<i>Toxostoma rufum</i>	Remove Species

Breeding Code: CN Carrying Nesting Material (Confirmed)

ML102332871

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## Maximize your contributions

- NY Nest with Young (Confirmed)
- NE Nest with Eggs (Confirmed)
- FS Carrying Fecal Sac (Confirmed)
- FY Feeding Young (Confirmed)
- CF Carrying Food (Confirmed)
- FL Recently Fledged young (Confirmed)
- ON Occupied Nest (Confirmed)
- UN Used Nest (enter 0 if no birds seen) (Confirmed)
- DD Distraction Display (Confirmed)
- NB Nest Building (Confirmed/Probable)
- CN Carrying Nesting Material (Confirmed/Probable)
- PE Brood Patch and Physiological Evidence (Probable)
- B Wren/Woodpecker Nest Building (Probable)
- A Agitated behavior (Probable)
- N Visiting probable Nest site (Probable)
- C Courtship, Display or Copulation (Probable)
- T Territory held for 7+ days (Probable)
- P Pair in suitable habitat (Probable)
- M Multiple (7+) singing males (Probable)
- S7 Singing Male Present 7+ Days (Probable)
- S Singing male (Possible)
- H In appropriate habitat (Possible)
- F Flyover (Observed) -- Flying over only

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## Example:



Ken Simonite

American Robin  
CN (Carrying Nesting Material)

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## Example:



Killdeer  
DD (Distraction Display)

Jeff Dehmel

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## Example:



Eastern Bluebird  
FS (Carrying Fecal Sac)

Barry Mansell, NPL/Minden Pictures

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## Example:



Gray Catbird  
FL (Recently Fledged Young)

Julia Wagner

Ryan Schain

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## Example:



Stan Tekiela

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