

NOTES FROM NATURE:

AN APPROACH TO INTEGRATING CITIZEN SCIENCE INTO HIGH SCHOOL CLASSROOMS

Kari Harris






Notes From Nature

- SERNEC portal for transcribing herbarium specimens
- www.notesfromnature.org

The screenshot shows the homepage of the Notes from Nature website. The background is a green-tinted image of museum specimens with labels. The navigation menu includes: Get Started, About, Talk, Blog, Statistics, Completed Expeditions, and Login. The main heading is "Notes from Nature" with the subtitle "TRANSCRIBE MUSEUM RECORDS". Below this is a section titled "Choose a Group and Start transcribing!" with five categories: Plants (24 Expeditions), Bugs (2,179 Volunteers), Magnified (124,154 Classifications), Fossils (78,717 Subjects), and Aquatics (34,078 Completed). A "Why should you get involved?" section lists two reasons: "To improve our world" and "Transcribe with pride". A quote from researchers is also present.

Notes from Nature
TRANSCRIBE MUSEUM RECORDS

Choose a Group and Start transcribing!

 Plants	 Bugs	 Magnified	 Fossils	 Aquatics
24 Expeditions	2,179 Volunteers	124,154 Classifications	78,717 Subjects	34,078 Completed

Why should you get involved?

- To improve our world**
Museum records contain historical biodiversity data. Scientists and researchers can use the data to conduct new research and make better conservation decisions.
- Transcribe with pride**
Take part in a Notes from Nature expedition. Along the way you can build your own collection and earn unique badges for work within and across expeditions.

Notes from the Researchers
"The digitized data you are creating will help advance research related to species extinction, ecosystem changes, environmental health and even human health."

Herbaria

EXPEDITIONS FOR HERBARIA



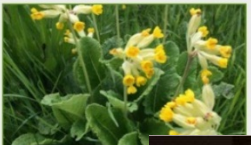
Arkansas Dendrology: Part 8: Hickories and Walnuts -- 5 December 2016
7.26% complete



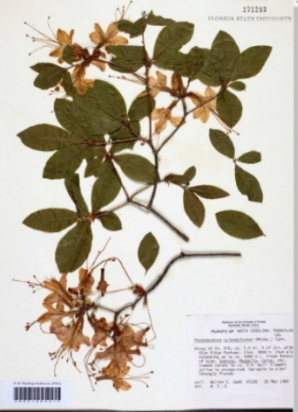
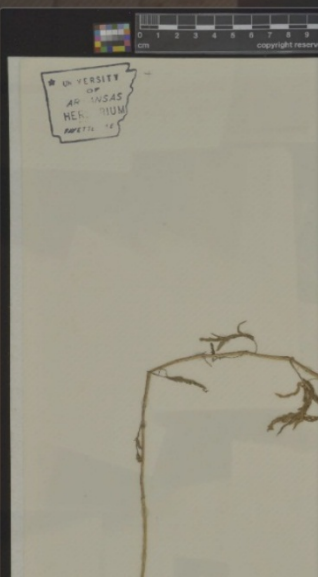
WeDigFLPlants' Legumes of Florida—Nitrogen-Fixers of the Peninsula
20.75% complete



Louisiana's goldenrods - the genus Solidago
4.66% complete



Ferdinand Lindheimer



View the image of the herbarium specimen.
Note where the label is. This is usually in the lower right portion of the image.

Continue



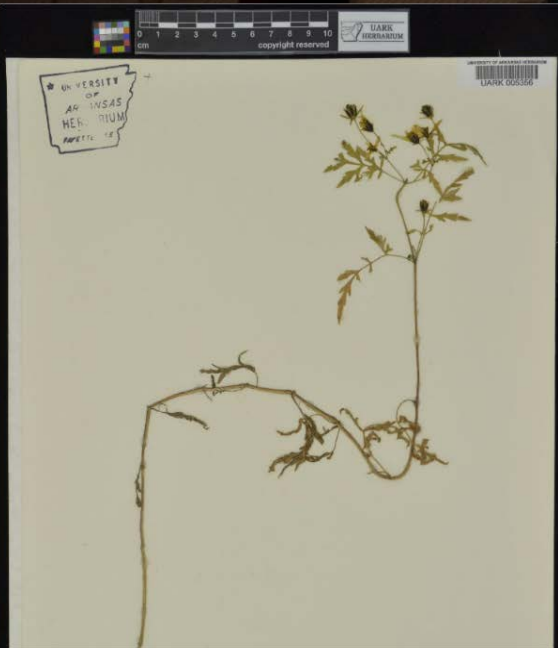
Need some help with this task?
Habitat & Description

Need some help with this task?

Back

Next

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Location

Need some help with this task?

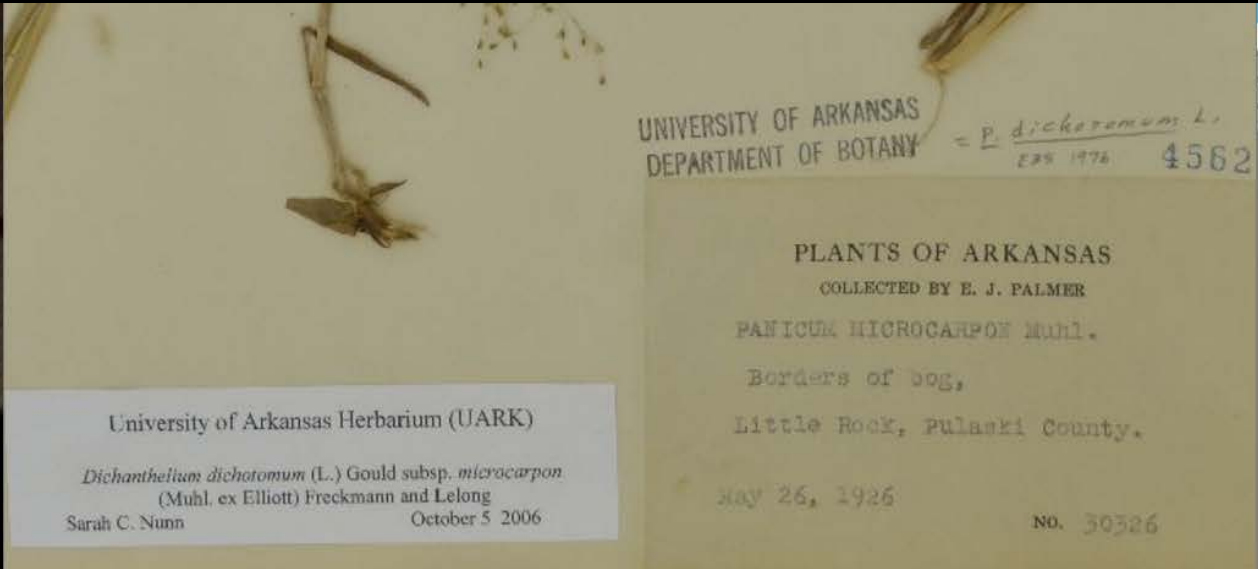
Habitat & Description

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University of Arkansas Herbarium (UARK)
Dichantheium dichotomum (L.) Gould subsp. *microcarpon*
(Muhl. ex Elliott) Freckmann and Lelong
Sarah C. Nunn October 5 2006

Location
Little Rock, Pulaski County

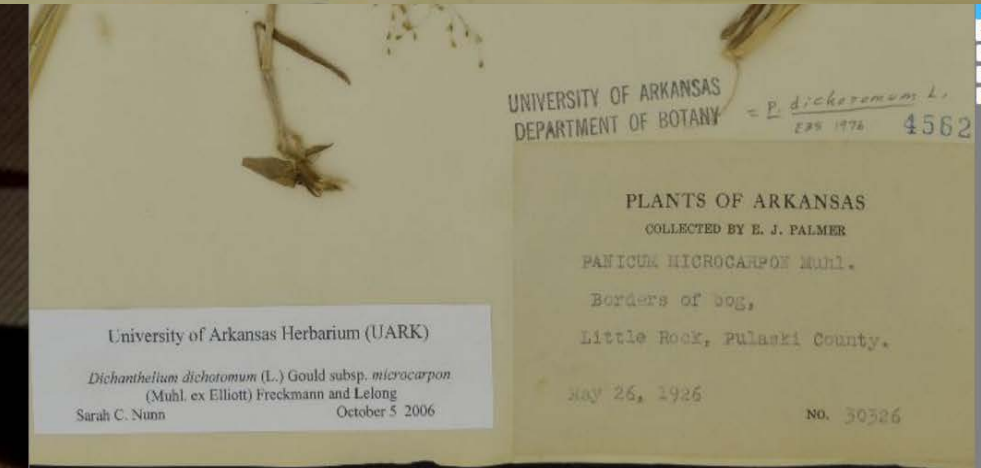
Need some help with this task?

Habitat & Description
Borders of bog

Need some help with this task?

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University of Arkansas Herbarium (UARK)
Dichantheium dichotomum (L.) Gould subsp. *microcarpon*
(Muhl. ex Elliott) Freckmann and Lelong
Sarah C. Nunn October 5 2006

Collected By
E.J. Palmer

Need some help with this task?

Collector Number
30326

Need some help with this task?

Month
5 - May

Day
26

Year
1926

Need some help with this task?

Back Done & Talk Done

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karimegan's Field Book

YOU HAVE TRANSCRIBED 11 RECORDS

Top Recent Expeditions



Recent Transcriptions



Badges Earned



THE SEED BADGE
for transcribing 1 plant record



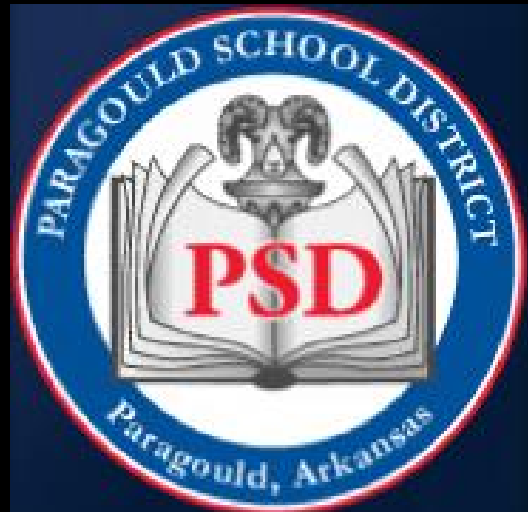
THE SEEDLING BADGE
for transcribing 10 plant records



THE PIONEER BADGE
for transcribing 10 records in old and new Notes from Nature

The Plan

- 6E Lesson Plan to fit Arkansas Science Frameworks
- Presented to 10th grade biology students at three high schools



Explaining Biodiversity

- How collections fit in
- Why we need to document biodiversity



Explaining the Process

- How specimens are created
- What kind of information goes with a specimen



Transcribing the Data

- Engaging students
- Students transcribed over 150 specimens



Updates

- Relaunching in 2017
- Aiming for:
 - Better data tracking
 - Better program evaluation
 - More schools