

NYBG

CITIZEN SCIENCE: Herbarium Specimen

Transcription Basics



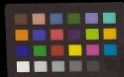
DIGIVOL

NOTES FROM NATURE



NYBG Herbarium Specimens

Herbarium Sheet



NEW YORK
BOTANICAL
GARDEN

HERBARIUM OF IOWA STATE UNIVERSITY
REVISION OF SPHENOPHOLIS
S. nitida (Buehler) Scribn.
K. S. ERDMAN 1923-24

GEORGIA PLANTS.
COLLECTED ON AND ABOUT STONE MOUNTAIN, DIKALS
COUNTY,
By JOHN K. SMALL, MAY 1918, 1895.

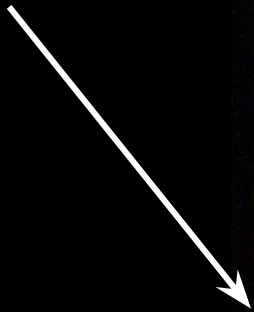
Elymus Ordwayi Vasey

ALTITUDE 100-1500 FEET.

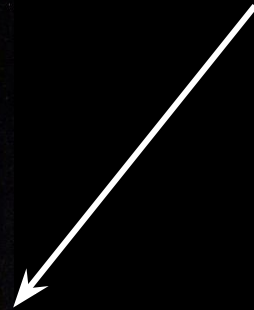




NYBG
Barcode



Collection
Label



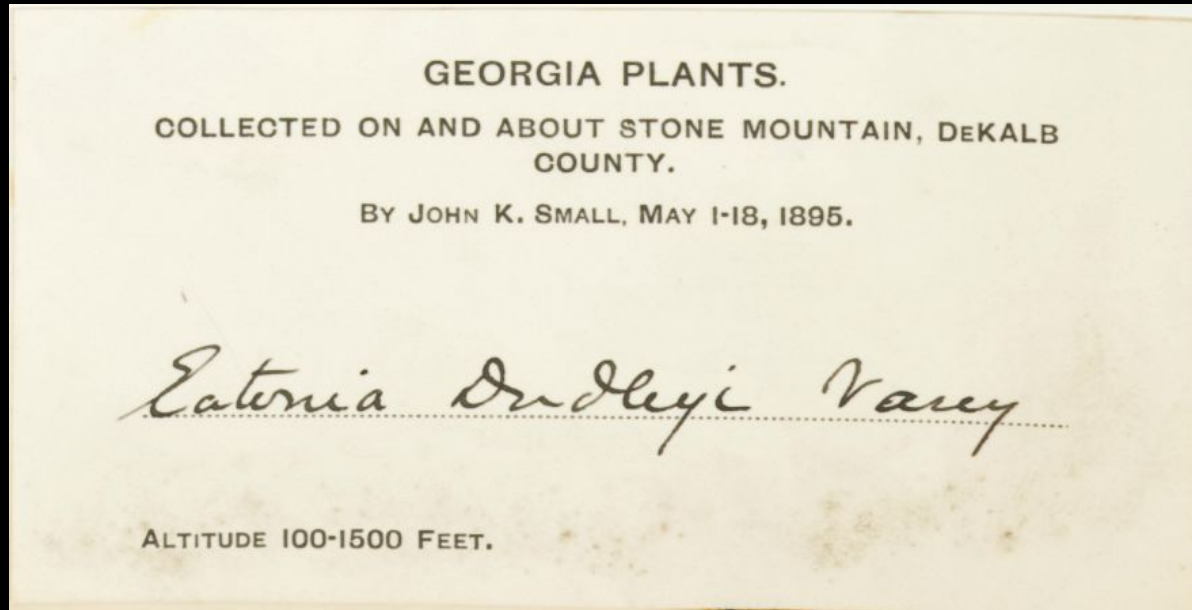
HERBARIUM OF IOWA STATE UNIVERSITY
REVISION OF SPHENOPHOLIS
S. nitida (Buehler) Scribn. 1923-64
K. S. ERDMAN

GEORGIA PLANTS.
COLLECTED ON AND ABOUT STONE MOUNTAIN, DIKALS
COUNTY,
By JOHN K. SMALL, MAY 1918, 1895.

Ectaria Ordleyi Vauq.

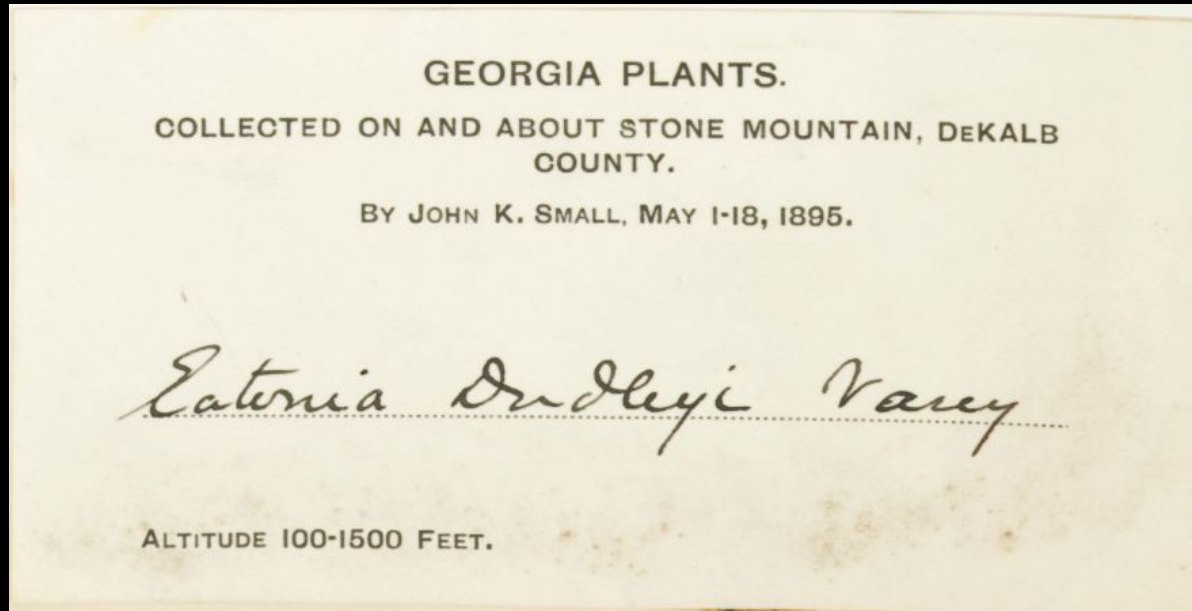
ALTITUDE 100-1500 FEET.

Collection Label



1. Identification History
2. Geographic Origin
3. Collector Observations
4. Stewardship & Administration

Collection Label

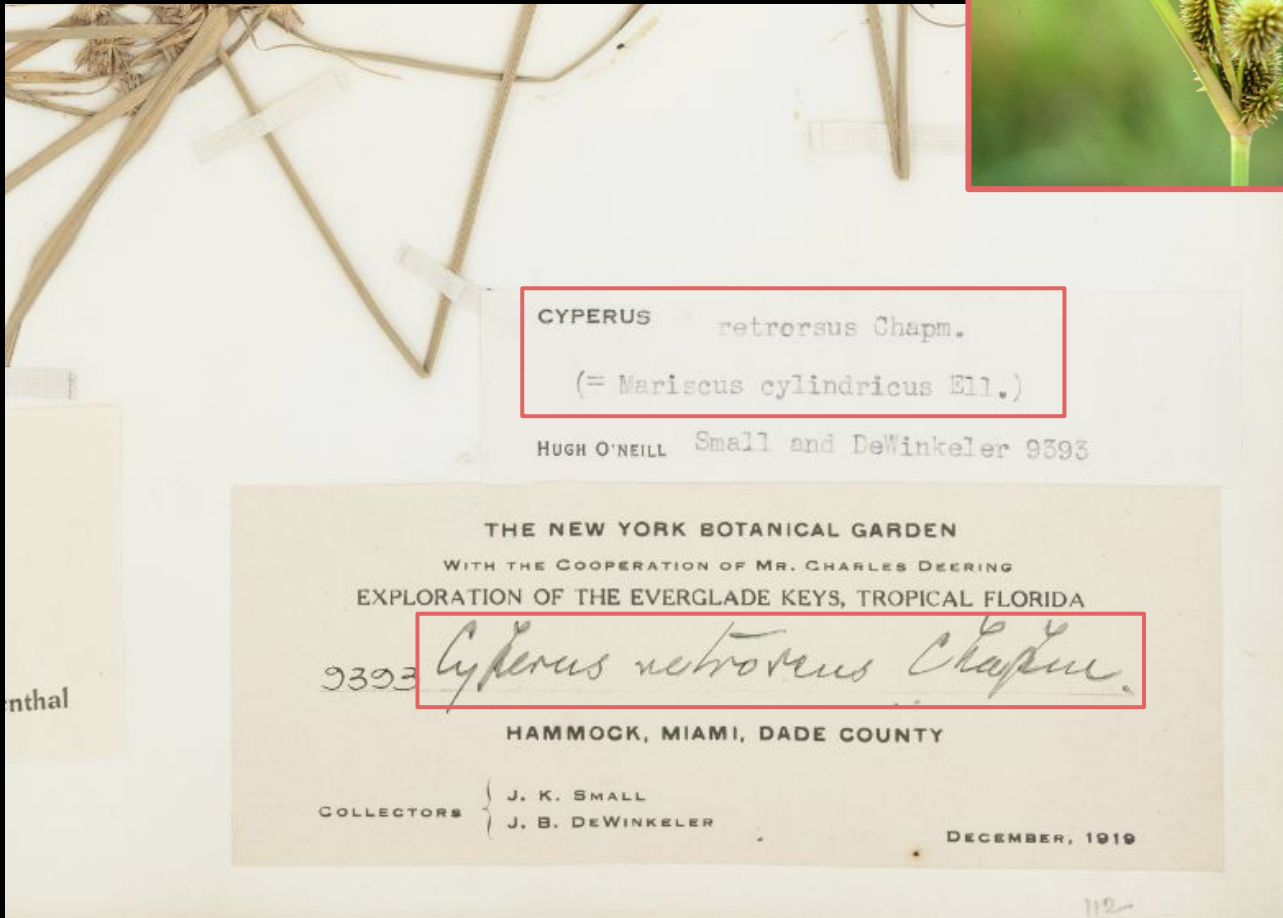


1. Identification History
2. Geographic Origin
3. Collector Observations
4. Stewardship & Administration

Green =
Transcribe!!

1) Identification History

- Scientific Name + Author
- Determiner Name & Date



1) Identification History

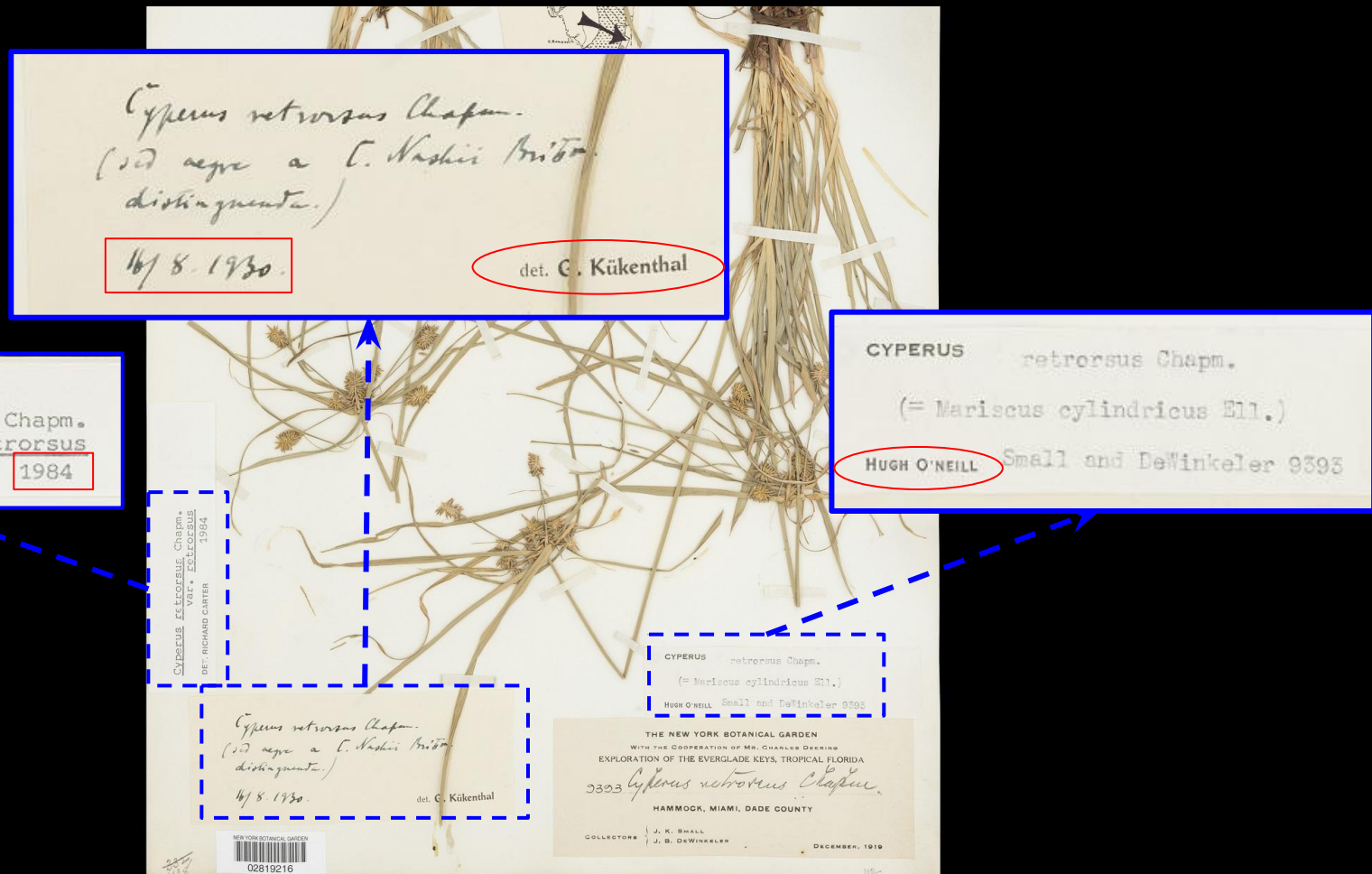
- Scientific Name + Author
- Determiner Name & Date



1) Identification History

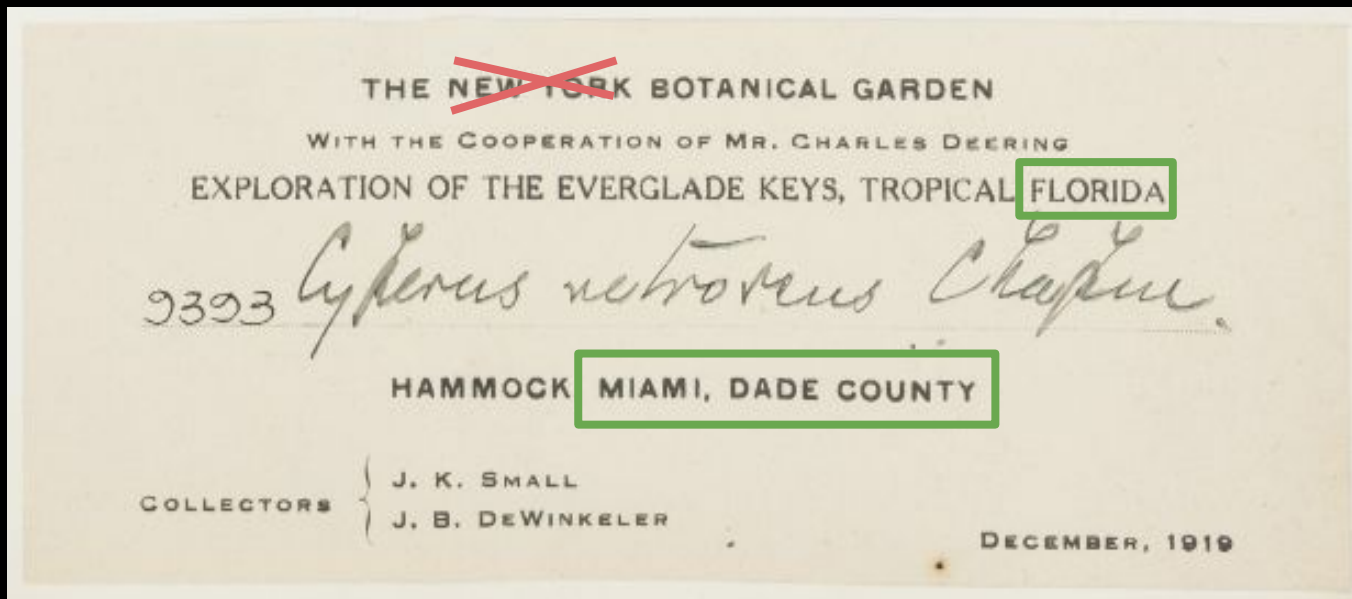
- Scientific Name + Author
- Determiner Name & Date

Annotation
Labels!



2) Geographic origin

- Country, State, County, Location
- GPS Coordinates (Latitude / Longitude)
- Elevation (m/feet)



2) Geographic origin

- Country, State, County, Location
- GPS Coordinates (Latitude / Longitude)
- Elevation (m/feet)

The New York Botanical Garden

Matheuccia struthiopteris DRYO

Location: South east corner of Azalean Garden, grounds of the New York Botanical Garden, Bronx, New York.

Latitude: 40° 51' 36.7344" N, 73° 52' 43.4388" W

Description: Brilliant green lacy fronds gracefully arch outward in stately vase-shaped clumps. In early summer narrow fronds emerge as vertical spikes of cinnamon red brown in the center. Especially striking when planted in groups. Prefers a moist shady site, but tolerates more sun in cooler zones.

Emmanuel Akintayo #13 August 9, 2015.



2) Geographic origin

- Country, State, County, Location
- GPS Coordinates (Latitude / Longitude)
- Elevation (m/feet)

JARDIN BOTANICO NACIONAL "DR. RAFAEL M. MOSCOSO"

SANTO DOMINGO, REPUBLICA DOMINICANA

2309

Euphorbiaceae

Croton spiralis Muell-Arg.

Arbusto de 1 m. de alto, flor verde, fruto verde.

Rep. Dominicana: Llanura del Cibao: Prov. Valverde: al SO de la Ciudad de Mao, entrando 2 km. al S del poblado "Las Aguas"; bosque seco con abundante *Prosopis juliflora*, *Caesalpinia coriaria* y *Guaiacum*.

19°30.5'N, 71°05'Oeste; elev. 60 m.

11 jun. 1987

R. García, J. Pimentel

3) Collector Observations

- Collector(s) Name & field Collection Number
- Date of Collection
- Habitat
- Plant Description

THE NEW YORK BOTANICAL GARDEN
WITH THE COOPERATION OF MR. CHARLES DEERING
EXPLORATION OF THE EVERGLADE KEYS, TROPICAL FLORIDA

9393 *Cyperus retroseus* Chapm.

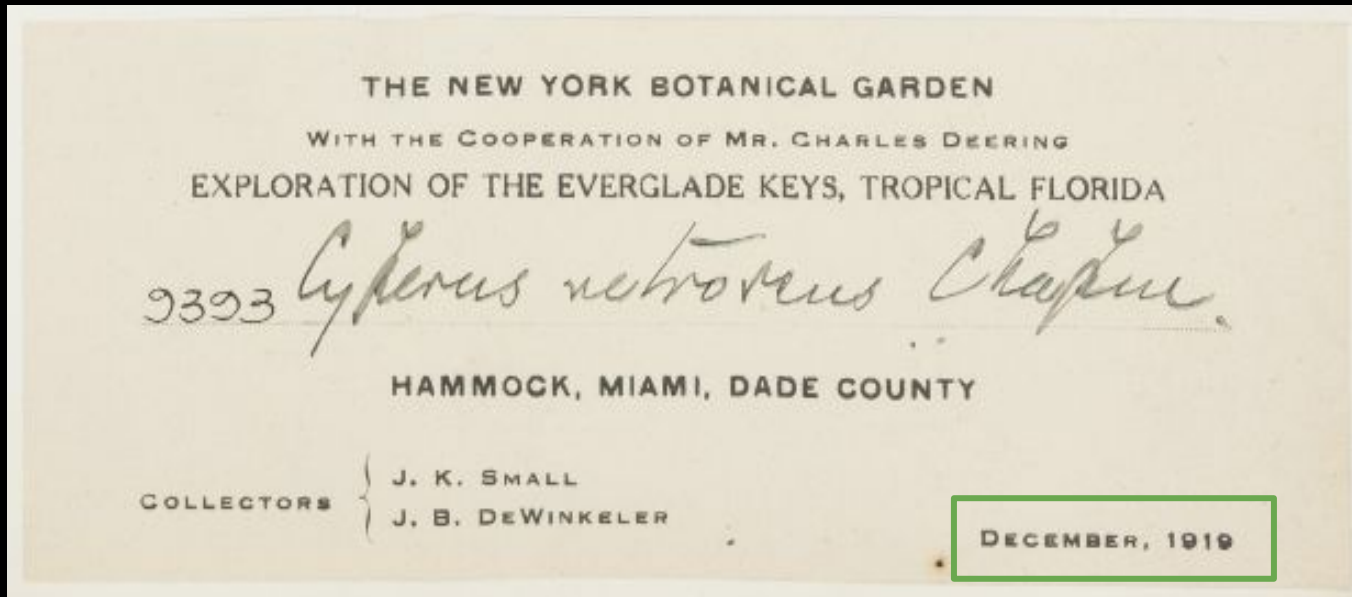
HAMMOCK, MIAMI, DADE COUNTY

COLLECTORS { J. K. SMALL
J. B. DEWINKELER

DECEMBER, 1919

3) Collector Observations

- Collector(s) Name & field Collection Number
- Date of Collection
- Habitat
- Plant Description



MAY 1-18, 1895.

→ Can be a range: **May 1 - May 18**

3) Collector Observations

- Collector(s) Name & field Collection Number
- Date of Collection
- Habitat
- Plant Description



THE NEW YORK BOTANICAL
WITH THE COOPERATION OF MR. CHA
EXPLORATION OF THE EVERGLADE KEYS,

9393 *Cyperus retroseus* Chapm.

HAMMOCK, MIAMI, DADE COUNTY

COLLECTORS { J. K. SMALL
J. B. DEWINKLER

DECEMBER, 1919

Exclude habitat information unless it is either highly specific or can be pinpointed on a map. Include with **Location** in either underlined case.

3) Collector Observations

- Collector(s) Name & field Collection Number
- Date of Collection
- Habitat
- Plant Description



The New York Botanical Garden

No. 17060

Euphorbia

Argythamnia fasciculata (Vahl) Muell.
Det. R. Woodbury, 1984

U.S. Virgin Islands: St. John. SE corner
of island at parking area of Salt Pond.

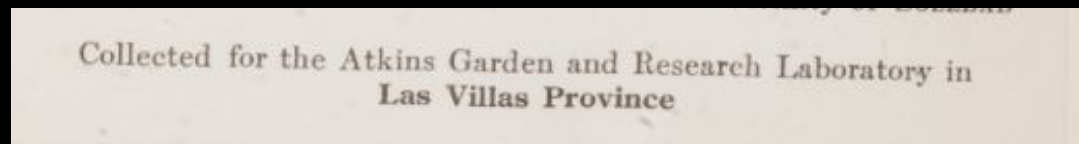
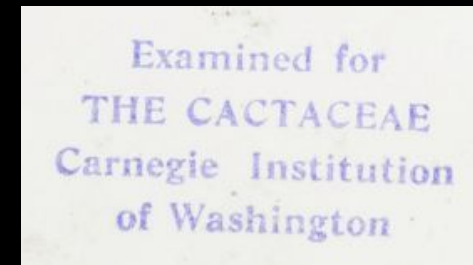
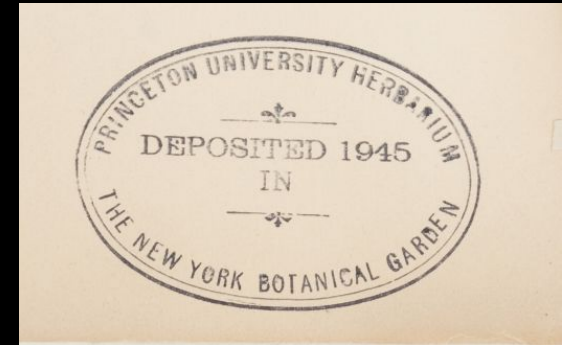
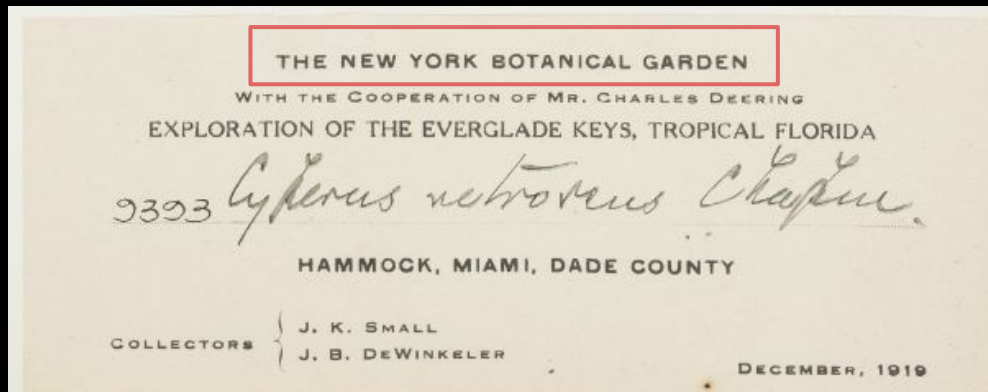
Shrub, 1 m tall. Petals white. Photo.

S. Mori, R. Woodbury &
J. Matuszak

10 Nov 1984

4) Stewardship & Administration

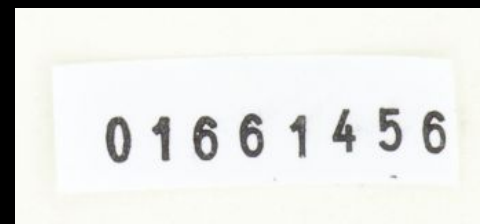
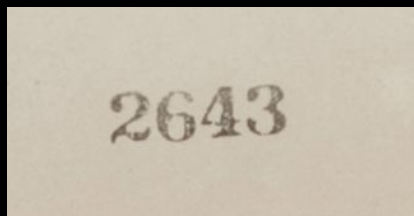
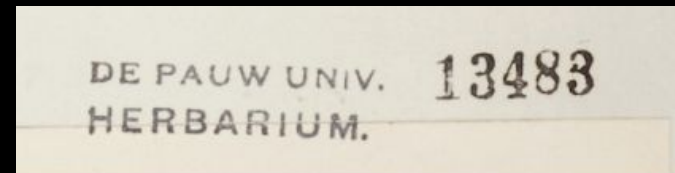
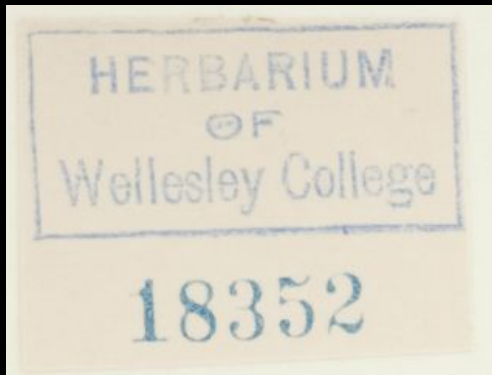
- Institutional Affiliations / Stewardship Records
- Herbarium Catalogue Numbers
- Curation Notes



4) Stewardship & Administration

- Institutional Affiliations / Stewardship Records
- Herbarium Catalogue Numbers
- Curation Notes

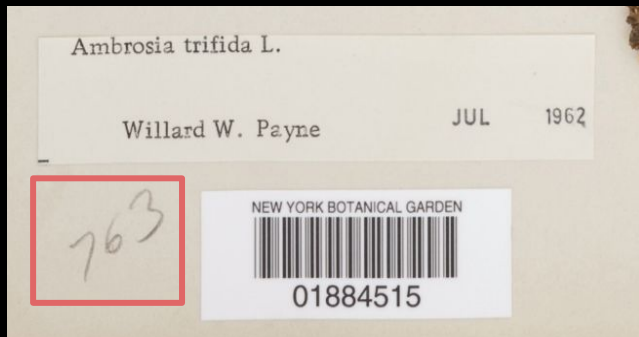
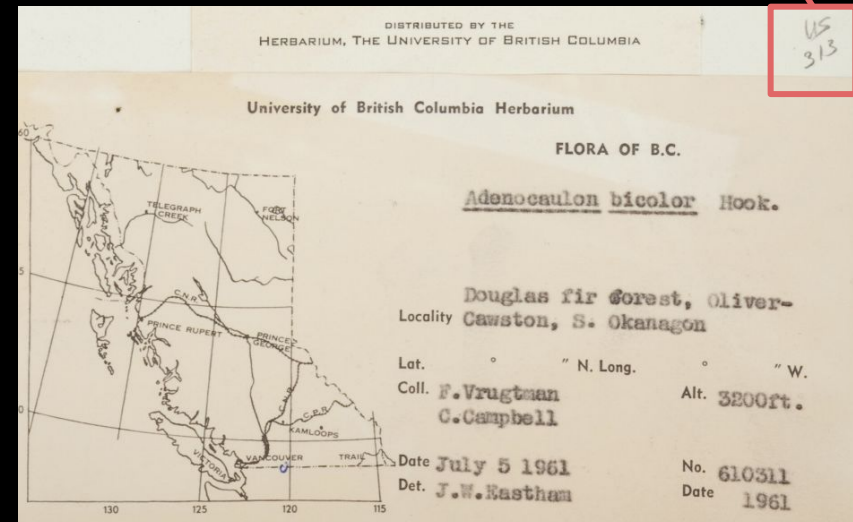
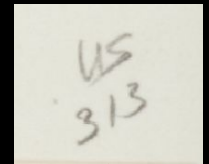
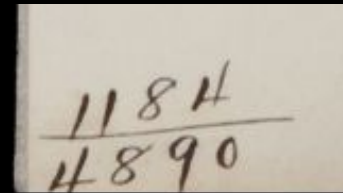
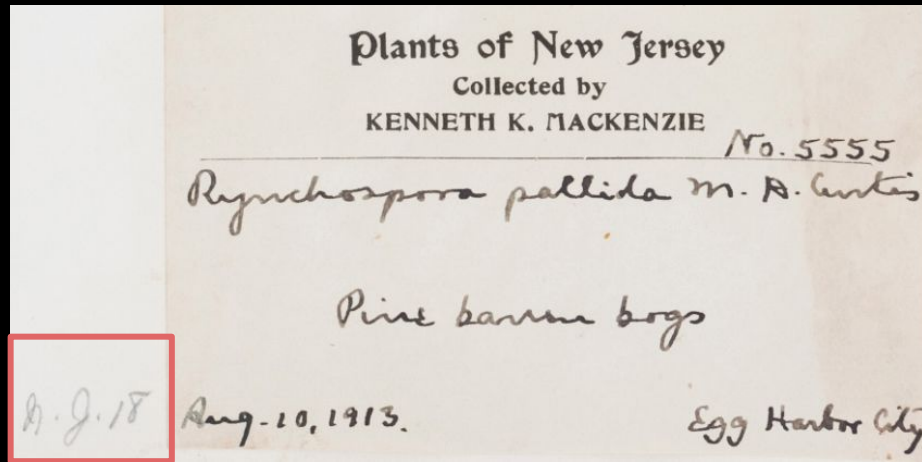
Stamps!



4) Stewardship & Administration

- Institutional Affiliations / Stewardship Records
- Herbarium Catalogue Numbers
- **Curation Notes**

Handwritten
on sheet !



Targeted Data Fields

Country

State

County

Location

Elevation (min / max / units)

Latitude & Longitude

Collector Name (Primary)

Other Collector(s)

Collector Number (numeric / verbatim)

Collection Date (start / end)

<http://sweetgum.nybg.org/science/docs/Quick Reference Guide to Fields.pdf>

Looking for Clues?

The image shows a screenshot of the NYBG/125 website. At the top, there is a dark navigation bar with the text "NYBG/125" in green and white, and menu items "Home", "Collections", "Discover", "Virtual Herbarium", and "Digitization" in white. Below the navigation bar is a large image of a glass entrance to a building, with the text "Herbarium @ NYBG" overlaid in white. Underneath this is a white box containing the heading "C. V. Starr Virtual Herbarium". Below the heading is a paragraph of text: "The C. V. Starr Virtual Herbarium is the gateway to the digitized specimens of the William and Lynda Steere Herbarium. Currently, 2.5 million specimen records and 1.5 million images are available. Every month, about 20,000 new records and images are added." Below the text is a search bar with the placeholder text "Search for family, scientific name, geography, collector, collection number, type status" and a magnifying glass icon. Below the search bar is a blue horizontal bar with a green arrow pointing to a button labeled "ADVANCED SEARCH".

Search for existing digitized collections in the NYBG database which bear resemblance to the specimen you are now trying to transcribe

www.nybg.org/vh

Looking for Clues?

Collector

Family	Collector ? Mackenzie	Country ?
Genus	Collection Number	State/Province ? New Jersey
Species	Month ? 7	County/Municipality
Subspecies/Variety/Form	Day ?	Precise Location
Scientific Name ?	Year ? 1920	Habitat

Location

Date

www.nybg.org/vh

Looking for Clues?

Taxon	Collector	Location	Type Status	Barcode		Share It!
<i>Carex rostrata</i> Stokes	K. K. Mackenzie s.n. 11 Jul 1920	United States of America. New Jersey. Sussex Co. Lake Mashipacong.		2301253		  
<i>Artemisia annua</i> L.	K. K. Mackenzie s.n.	United States of America. New Jersey. Sussex Co. Stillwater.		1892141		  
<i>Glyceria grandis</i> S.Watson	K. K. Mackenzie s.n.	United States of America. New Jersey. Sussex Co. Lake Mashipacong.		1775403		  
<i>Carex atlantica</i> subsp. <i>capillacea</i> (L.H.Bailey) Reznicek	K. K. Mackenzie s.n. 10 Jul 1920	United States of America. New Jersey. Sussex Co. North end of Lake Mashipacong.		2237705		  
<i>Carex viridula</i> Michx.	K. K. Mackenzie s.n. 24 Jul 1920	United States of America. New Jersey. Warren Co. Shyster Pond.		2310362		  

www.nybg.org/vh

Other Resources:

Collector Name References

[Harvard Index of Botanist Names](#)

Geography References

[Statoids](#) → Administrative divisions (Country/ State/ County)

[Geonames](#) → Finding/verifying precise locations

[Google](#) / [Google Maps](#) → Finding/verifying precise locations

(All text in blue = clickable links!)

NYBG Virtual Volunteer Homepage

www.nybg.org/virtual-volunteer

Virtual Volunteering @ NYBG

You can contribute to scientific research from anywhere as an active participant in one of our digital transcription expeditions. All active online volunteers are eligible to receive NYBG volunteer benefits*.



Let's get started!
Track the progress of our active projects!

GEOGRAPHY: US STATE SPOTTER



Participate Now!

Help uncover occurrence data from some of NYBG's oldest specimens from North America. Your focused mission is to help identify the correct US State where each plant was collected in the wild. This expedition is a great introduction for those who have never tried interpreting scientific specimens before. In the spirit of discovery, I hope you will help us connect researchers to essential biodiversity data!

TROPICAL INVESTIGATIONS: MELASTOMATACEAE OF THE NEW WORLD



Participate Now!

Princess flowers (Melastomataceae) are one of the largest plant families, with over 5000 unique species known from around the world. NYBG scientist and world-specialist in the Melastomataceae family, Fabian Michelangeli, has spent over a decade investigating the specialized ecological-roles, and complex evolutionary and biogeographical history of these magnificent plants. As citizen scientists, you can help Fabian and his team to investigate each species in this family by transcribing preserved plant collections from the NYBG Herbarium!

NYBG Virtual Volunteer Homepage

www.nybg.org/virtual-volunteer

Virtual Volunteering @ NYBG

You can contribute to scientific research from anywhere as an active participant in one of our digital transcription expeditions. All active online volunteers are eligible to receive NYBG volunteer benefits*.



Let's get started!
Track the progress of our active projects!

GEOGRAPHY: US STATE SPOTTER



[Participate Now!](#)

← **Click to Participate!**

Help uncover occurrence data from some of NYBG's oldest specimens from North America. Your focused mission is to help identify the correct US State where each plant was collected in the wild. This expedition is a great introduction for those who have never tried interpreting scientific specimens before. In the spirit of discovery, I hope you will help us connect researchers to essential biodiversity data!

TROPICAL INVESTIGATIONS: MELASTOMATACEAE OF THE NEW WORLD



[Participate Now!](#)

← **Click to Participate!**

Princess flowers (Melastomataceae) are one of the largest plant families, with over 5000 unique species known from around the world. NYBG scientist and world-specialist in the Melastomataceae family, Fabian Michelangeli, has spent over a decade investigating the specialized ecological-roles, and complex evolutionary and biogeographical history of these magnificent plants. As citizen scientists, you can help Fabian and his team to investigate each species in this family by transcribing preserved plant collections from the NYBG Herbarium!

NOTES FROM NATURE

DIGIVOL

Notes From Nature



VISIT NOTES FROM NATURE

CLASSIFY



New York Botanical Garden



Tools

Click to exit

Geographic Location

Country

Select...

State/Province

Select...

County

Select...

Need some help with this task?

Back

Next

Show the project tutorial

THE NEW YORK BOTANICAL GARDEN

HERBARIUM
Wellesley College
21475



Label

HERBARIUM OF WISCONSIN MADISON UNIVERSITY
VERONICA
SOUTH COUNTY
MADISON
Bollinger, Althea L.
Along the 101 and Drury Creek near
101st St. Woodland Beach, S.W. of Rapid
River.
with Stephanie Winsler and Jordan Meyer
and Bradley 2017 Oct 12, 2017

Welcome new transcriber!

[Watch the Video Tutorial](#)



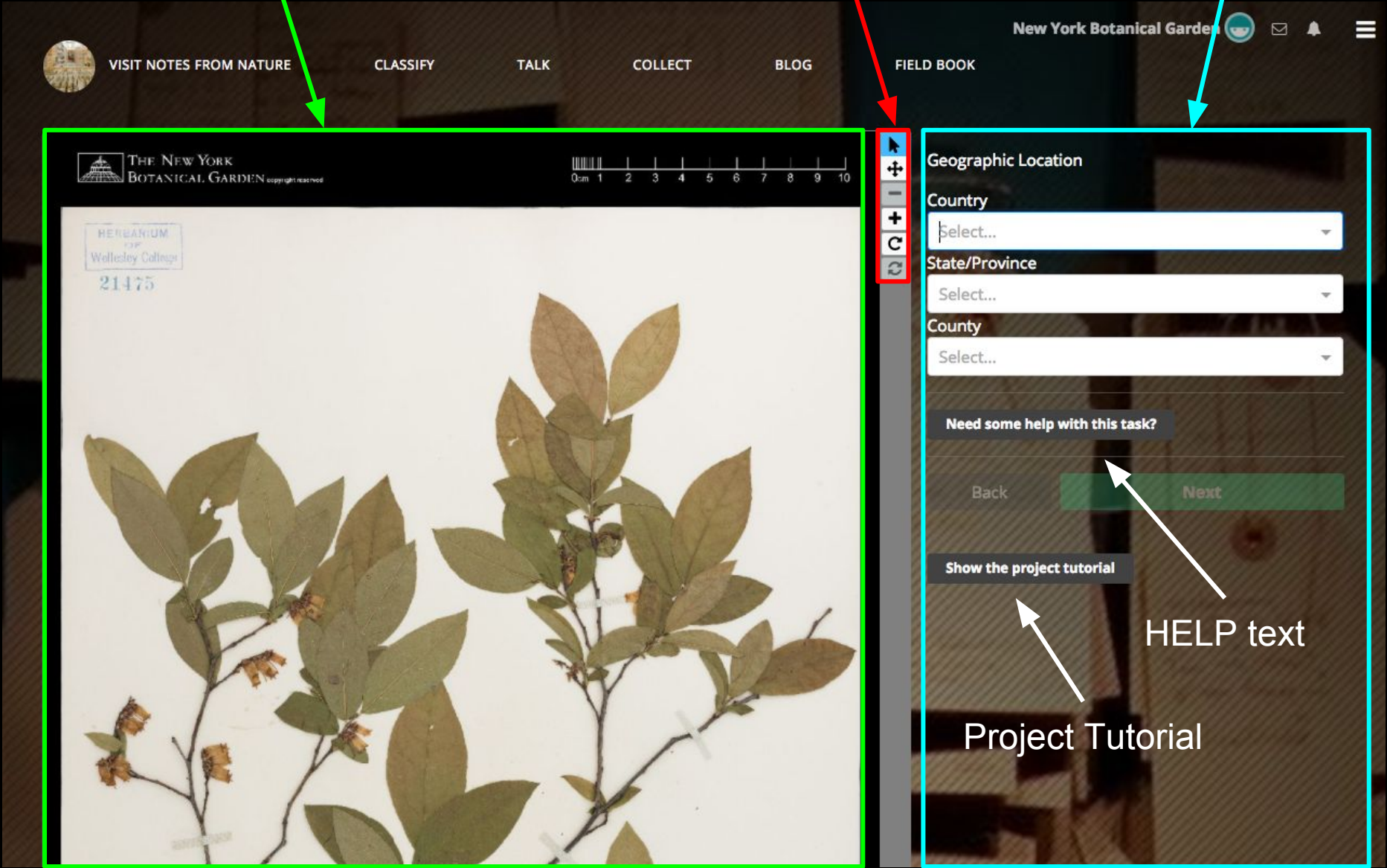
Click to progress

Project Tutorial

Specimen Viewer Window

Navigation Tools

Data Entry Window



Pan & Zoom to show **Collection Label**



VISIT NOTES FROM NATURE

CLASSIFY

TALK

COLLECT

BLOG

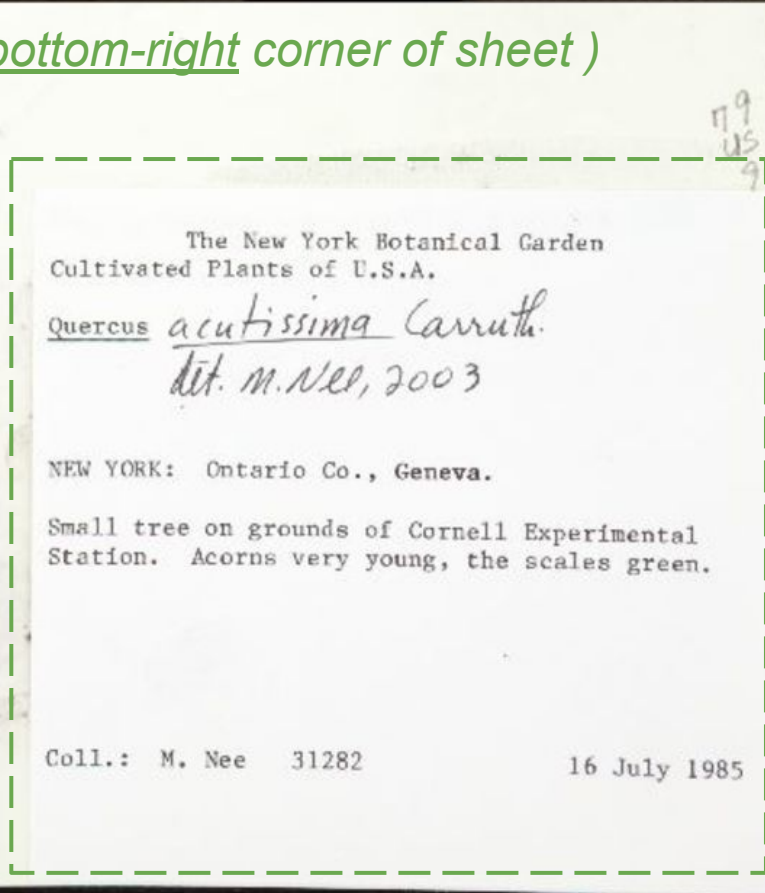
FIELD BOOK

New York Botanical Garden



Pan

(Usually bottom-right corner of sheet)



Zoom



Geographic Location

Country

Select...

State/Province

Select...

County

Select...

Need some help with this task?

Back

Next

Show the project tutorial

Search for target data Enter fields on each page



VISIT NOTES FROM NATURE

CLASSIFY

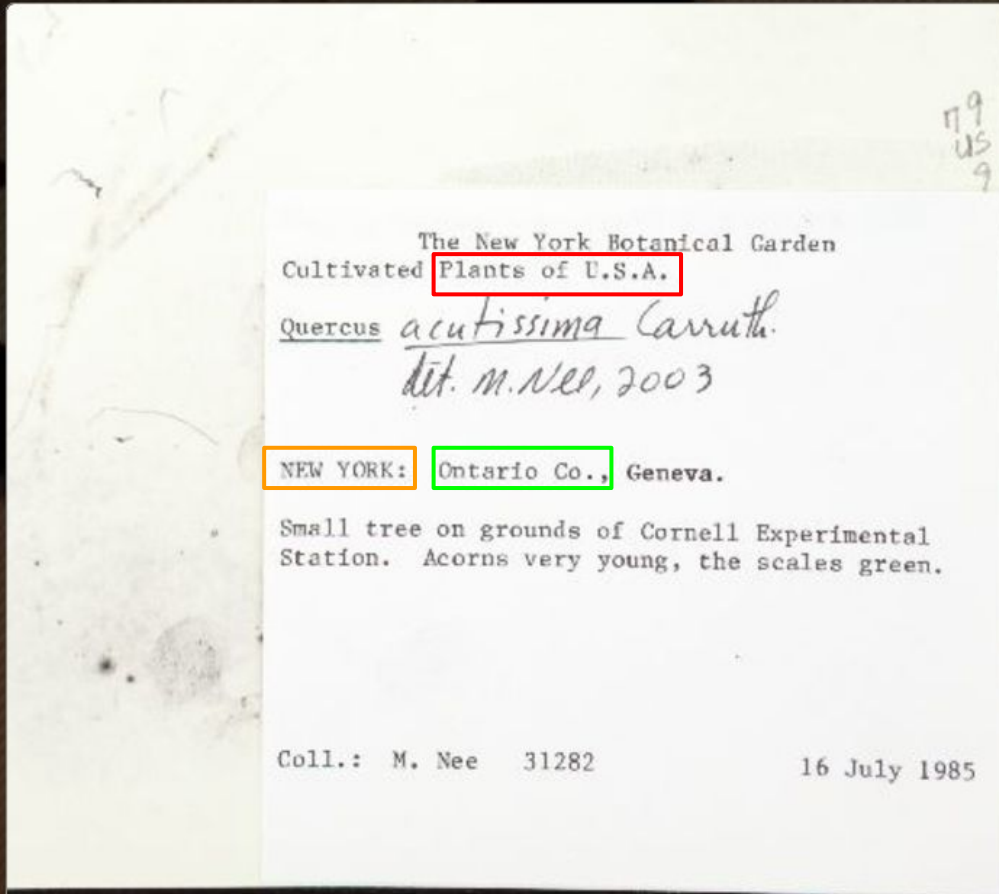
TALK

COLLECT

BLOG

FIELD BOOK

New York Botanical Garden



Geographic Location

Country

United States of America

State/Province

New York

County

Ontario

Need some help with this task?

Back

Next

Show the project tutorial

Click "Next"
to proceed

The final page...

119
US
9

The New York Botanical Garden
Cultivated Plants of U.S.A.

Quercus *acutissima* Carruth.
det. M. Nee, 2003

NEW YORK: Ontario Co., Geneva.

Small tree on grounds of Cornell Experimental
Station. Acorns very young, the scales green.

Coll.: M. Nee 31282 16 July 1985

Month
7 - July x ▾

Start Date

Day
16 x ▾

Start Date

Year
1985 x ▾

Need some help with this task?

End Date

Month
Select... ▾


End Day

Day
Select... ▾

End Year

Year
Select... ▾

Back Done & Talk Done



Click "Done" to finish & submit

The final page...

The New York Botanical Garden
Cultivated Plants of U.S.A.

Quercus acutissima Carruth.

119
US
9

Month
7 - July

Start Date
Day
16

Leave a note about this subject

🔗 🖼️ 🎥 **B** *I* “ ” H ↔️ ⚙️ ☰ ☷

👁️ ?

Add a note about this subject, or mark with a #hashtag

Add Your comment

Or Click “**Done & Talk**”
submit with an annotation

Year
Select...

Back Done & Talk Done



Standard **#tags** for commenting!

#nybg

#error

#handwriting

#country

#focus

#state

#unclear

#county

#field

#location

#latlong

#elevation

#collectorname

#collectornumber

#othercollectors

#date

DIGIVOL

Back

A DIGIVOL Expedition

My Profile

NYBG

Tropical Investigations: Melastomataceae of the New World

Admin Settings Validate tasks

Princess flowers (Melastomataceae) are one of the largest plant families, with over 5000 unique species known from around the world. Their morphologically diverse fruits and flowers provide important food resources for birds, insects and mammals, and numerous species have co-evolved with ants—providing specialized shelters in exchange for protection from predators. Easily recognizable by the characteristic vein pattern on their leaves, this charismatic group of trees and shrubs are a conspicuous component of most wet tropical ecosystems. New York Botanical Garden scientist and world-specialist in the Melastomataceae family, *Fabian Michelangeli*, has spent over a decade investigating the specialized ecological-roles, and complex evolutionary and biogeographical history of these magnificent plants. Through [field-expeditions](#), laboratory research, and careful study of herbarium... [Read more](#)

Get Started → View tutorial

Visit Project Forum

Image NYBG

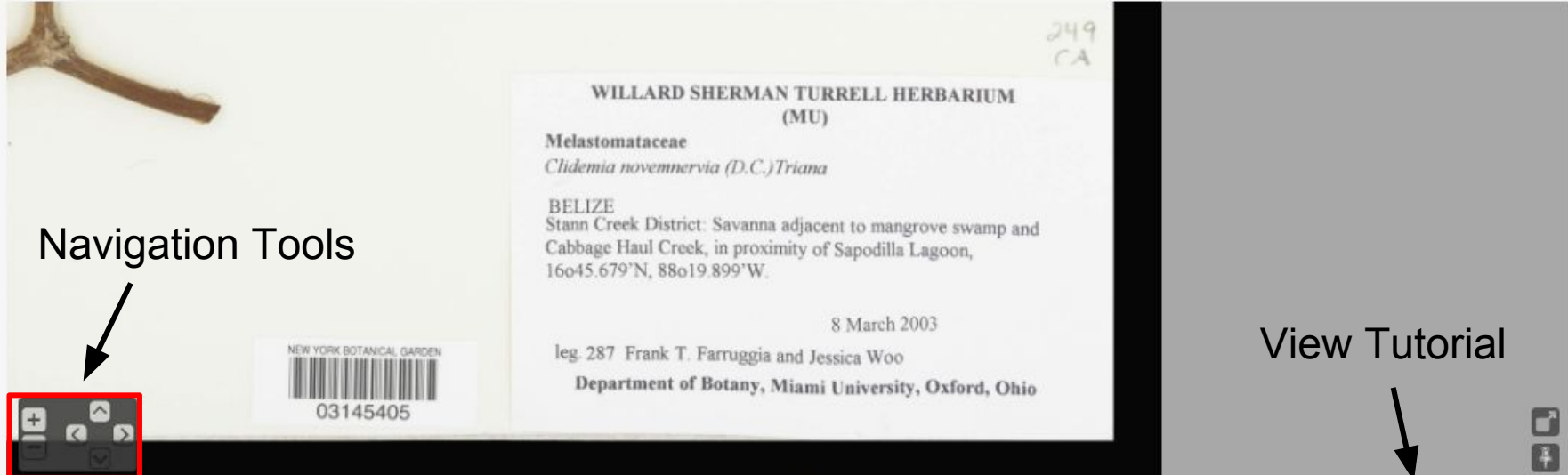
0% Validated 33% Transcribed 5452 Tasks 16 Volunteers 5452 Tasks

Click
to
begin



03145405.jpg

Catalog Number 3145405 [Share](#) [Tweet](#)



Navigation Tools

View Tutorial

Institution: New York Botanical Garden - William & Lynda Steere Herbarium

Project: Tropical Investigations: Melastomataceae of the New World

Catalog Number: 3145405

Taxa: Clidemia novemnervia (DC.) Triana

Tutorial Guide - NYBG Expeditions

1. Transcribe All Text

BELIZE
Stann Creek District: Savanna adjacent to mangrove swamp and Cabbage Haul Creek, in proximity of Sapodilla Lagoon, 16o45.679'N, 88o19.899'W.
8 March 2003
leg. 287 Frank T. Farruggia and Jessica Woo
Department of Botany, Miami University, Oxford, Ohio
03145405
03145405

Copy values from a previous task

OCR Source text
(for copy and paste)

2. Collection Location

Country: Belize
State/Province/Territory: Stann Creek
County/District/Municipality:
Location: Savanna adjacent to mangrove swamp and Cabbage Haul Creek, in proximity of Sapodilla Lagoon.
Elevation: From - To
Latitude: D°M'S" 16 45.679 S N
Longitude: D°M'S" 88 19.899 S W

3. Miscellaneous

Primary Collector: Farruggia, Frank T.
Other Collector(s): Jessica Woo
Collector Number (numeric): 287
Collector Number (verbatim):
Collection Date (from): 08 03 2003
(to): DD MM Year

Data entry fields

Field help text

03145405.jpg

Catalog Number 3145405



Scroll down...



4. Notes Record any comments here that may assist in validating this task

Your Notes

Add notes here...
(if needed)

Submit for validation

Save unfinished record

Skip

Create Forum Topic

Click to finish & submit

1. Transcribe All

BELIZE

Stann Creek District: Savanna adjacent to mangrove swamp and

Cabbage Haul Creek, in proximity of Sapodilla Lagoon,

16o45.679'N, 88o19.899'W.

8 March 2003

leg. 287 Frank T. Farruggia and Jessica Woo
Department of Botany, Miami University,
Oxford, Ohio

03145405

03145405



Copy values from a previous task

State/Province/Territory

Stann Creek

County/District/Municipality

Savanna adjacent to mangrove swamp and Cabbage Haul Creek, in proximity of Sapodilla Lagoon.

Elevation

From

-

To

Latitude

D°M'S"

16

45.679

S

N

Longitude

D°M'S"

88

19.899

S

W

Other Collector(s)

Jessica Woo

Collector Number (numeric)

287

Collector Number (verbatim)

Collection Date

(from)

08

03

2003

(to)

DD

MM

Year

Standard #tags for Notes!

#nybg

#error

#handwriting

#country

#focus

#state

#unclear

#county

#field

#location

#latlong

#collectorname

#elevation

#collectornumber

#othercollectors

#date

NYBG

Now it's *your* turn!

→ www.nybg.org/virtual-volunteer ←



DIGIVOL

NOTES FROM NATURE