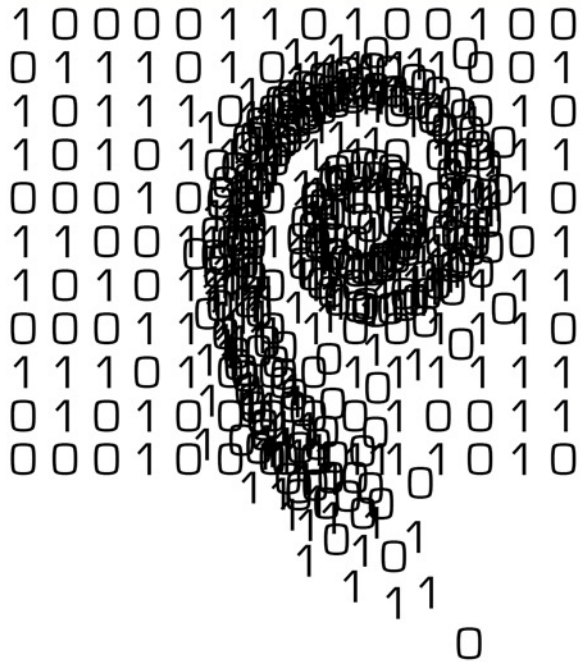




PTERIDOPHYTE
COLLECTIONS
CONSORTIUM



The Pteridophyte Collections Consortium: 420 million years in 1.7 million specimens

Year 4 update

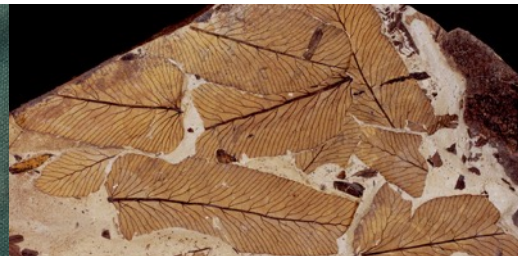
NSF Awards: 1802504, 1802352, 1802134, 1802033,
1802270, 1802255, 1802239, 1802446, 1802305.



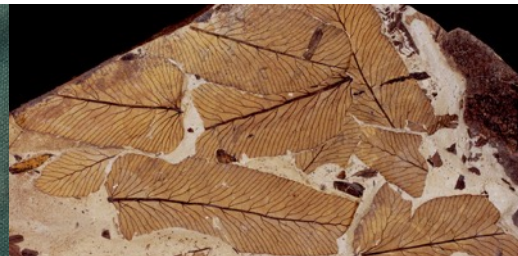
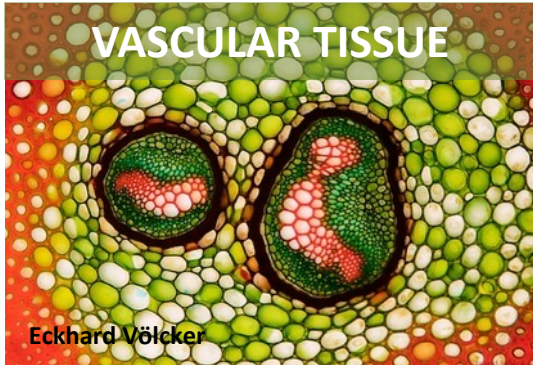
GOAL: digitize **~1,700,000** pteridophyte specimens:
~1,600,000 herbarium specimens
~100,000 fossil specimens

36 PCC members: 9 core institutions, 20 sub-awards and 7 data contributors

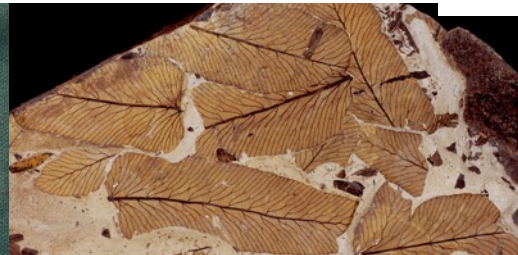
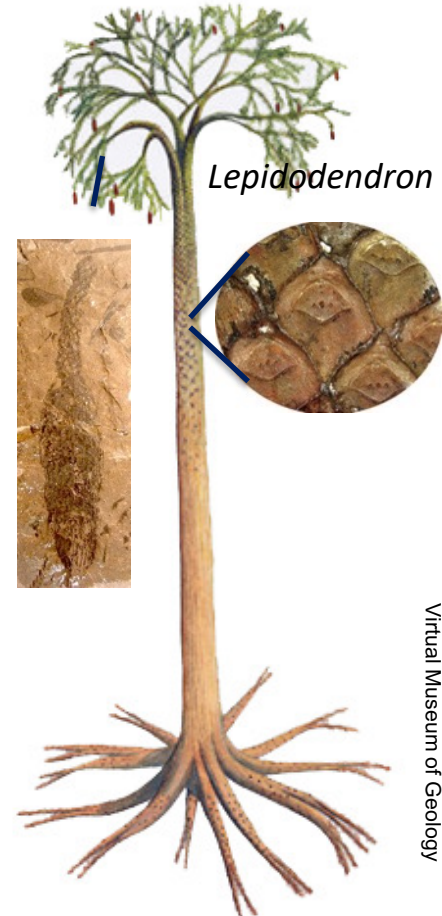
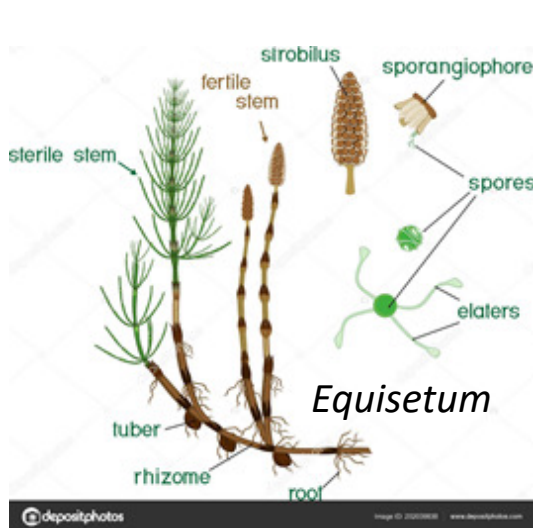
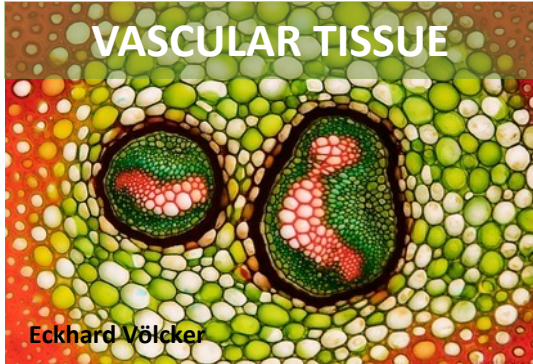
- UC Berkeley (lead)
- New York Botanical Garden
- University of Michigan
- Field Museum
- Missouri Botanical Garden
- University of Florida
- University of North Carolina
- Yale University
- University of Vermont



What are pteridophytes?



What are pteridophytes?





Total extant specimens digitized:

1,111,639 imaged (67% of goal)

1,095,122 databased (66% of goal)

285,731 specimens geo-referenced (17% of goal)



Total fossil specimens digitized:

35,099 imaged (49% of goal)

32,287 databased (33% of goal)

10,796 records geo-referenced (12% of goal)



Welcome to the data portal for ferns and their extinct seed-free relatives. This portal plays a major role in the evolution of plants, especially before the evolution of the first to evolve roots and leaves.

Historically, the research community has been largely separate from each other. This portal was created to promote the integration of resources for both living and extinct plants.

This portal provides one-stop access to all associated data. Initially these data were from other institutions worldwide.

For more information about the portal, visit our website and Twitter.

Extant specimens:

1,686,778 occurrence records

444,170 (26%) georeferenced

1,386,488 (82%) occurrences imaged

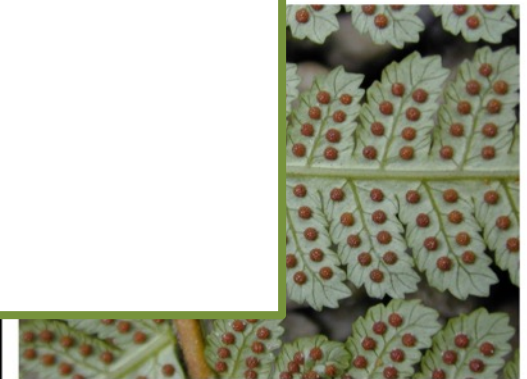
Fossil specimens:

12,828 occurrence records

6,134 (48%) georeferenced

10,328 (81%) occurrences imaged

pteridoportal.org



Cyathea multiflora. Image by: Robbin Moran.

HIDE CAPTION





← Pteridophyte Collections Consortium TCN
176 Tweets



Follow

Pteridophyte Collections Consortium TCN

@pterido_TCN

We are the Pteridophyte Collections Consortium TCN digitizing extant and fossil pteridophytes from 37 herbaria and museums. NSF funded, tweets our own.

📅 Joined September 2018

153 Following 287 Followers

Tweets

Tweets & replies

Media

Likes



Pteridophyte Collections Consortium TCN

@pterido_TCN

Happy #FossilFriday #FernFriday from @ucmpberkeley ! Today we highlight one of Earth's former Carboniferous swamp giants Sigillaria. The stem's "rabbit-track" leaf scars and ribbed surface are dead giveaways for identifying this extinct lycopod genus.



🔍 Search Twitter

New to Twitter?

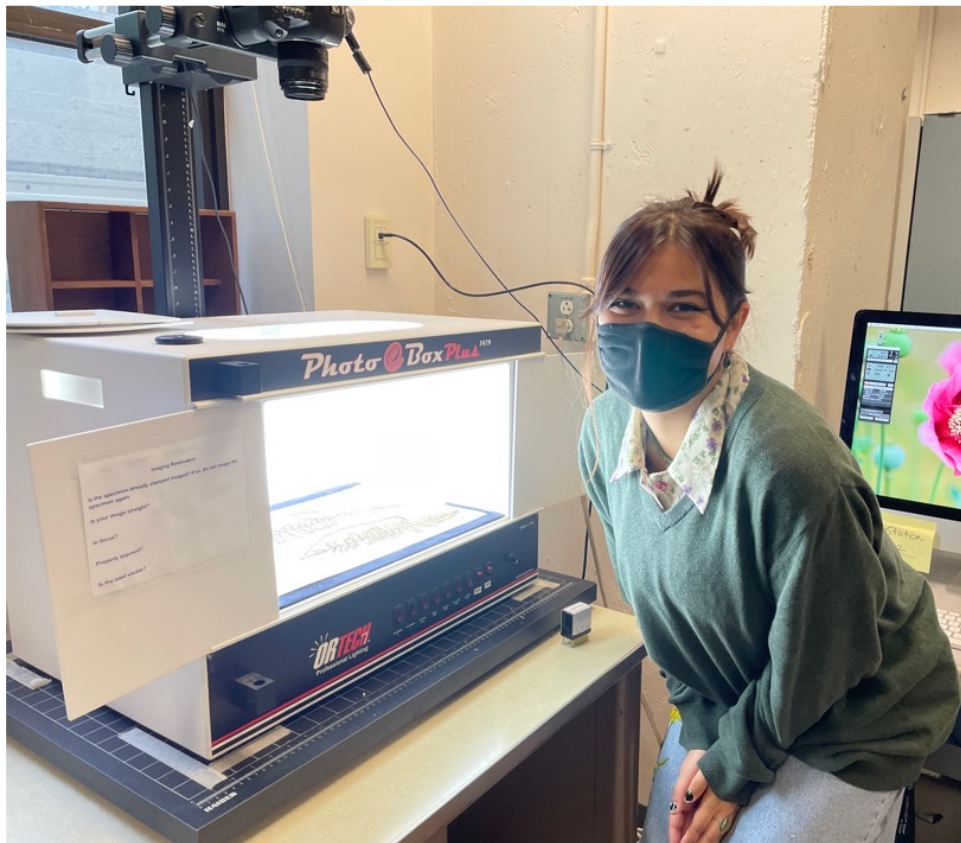
Sign up now to get your own personalized timeline!

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Sign up with phone or email

By signing up, you agree to the [Terms of Service](#) and [Privacy Policy](#), including [Cookie Use](#).







https://twitter.com/MSU_Herbarium/status/1329913243477843968/photo/3



LEARN A LITTLE, CONTRIBUTE BIG TO SCIENCE
The BRIT Armchair Botanist program needs your help digitizing our collections from your home. Your brains and your time make a difference. Visit brit.org/armchairbotani... @nfromn @texasstandard #herbarium #iambotanist #covid_19

BRIT Armchair Botanist program:
<https://brit.org/research/herbarium/armchair-botanist/>



How Collections-based Undergraduate Research Adapted to a Pandemic:
A Case Study of the Herbarium Army at Rutgers University



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Lena Struwe
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Rutgers University, New Brunswick, New Jersey, USA



Chrysler Herbarium at Rutgers University had 72 students participate in their fully remote Herbarium Army internship during the pandemic



Certificate of Achievement

Awarded to

Jeff Greenhouse

Thank you for transcribing over 7,000 records for the Pteridophyte Collections Consortium! We really appreciate all of the time and effort you have contributed to our project – you've had a huge impact on our success!

Volunteers had more time to contribute to specimen digitization – one volunteer at UC/Jeps transcribed over 7000 records during the pandemic

2021 NSF funded project: **PurSuiT**:
Collaborative Research: Accelerating
Lineage Discovery to Document
Neotropical Fern Diversity

Dr. Alejandra Vasco, Dr. Weston Testo and
Dr. Michael Sundue





**PTERIDOPHYTE
COLLECTIONS
CONSORTIUM**

Thank you!

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Or have a look at our:

Portal: pteridoportal.org

Website: pteridophytes.berkeley.edu

Twitter: @pterido_TCN

Facebook: facebook.com/pteridophyteTCN/

Instagram: @pteridophyte_tcn



Taxonomic thesaurus courtesy of **Checklist of Ferns and Lycophytes of the World**
(worldplants.webarchiv.kit.edu/ferns/)