

Digitization at the Central Michigan University Herbarium

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CMC Herbarium
Central Michigan University



CMC Herbarium

http://cmcherbarium.bio.cmich.edu/





COLLECTIONS WEB

Building a Community of Natural History Collections



Project News

Welcome to CollectionsWeb, the website of the Research Coordination Network (RCN) for **Building a National Community of Natural History Collections**. At CollectionsWeb you can find out general information about the RCN and find out how you can **get involved** in the activities of the RCN. Please refer back to CollectionsWeb.org for up-to-date information and resources.

CollectionsWebs Announces Availability of Two Collections-Based Research Internships for 2011. Interns can be housed at any U.S. institution and supervised by any appropriate mentor. More internship details and application information.

Partner Organizations

- American Institute of Biological Sciences (AIBS)
- Natural Sciences Collections Alliance (NSCA)
- Society for the Preservation of Natural History Collections (SPNHC)





Digitization at CMC

- Significant Institutional Support
 - Administrative
 - Financial
 - Information technology
 - Electronic/Construction technician
- Silver BIOLOGY Biodiversity Informatics Consulting & Solutions
- Michigan Flora and Voss database



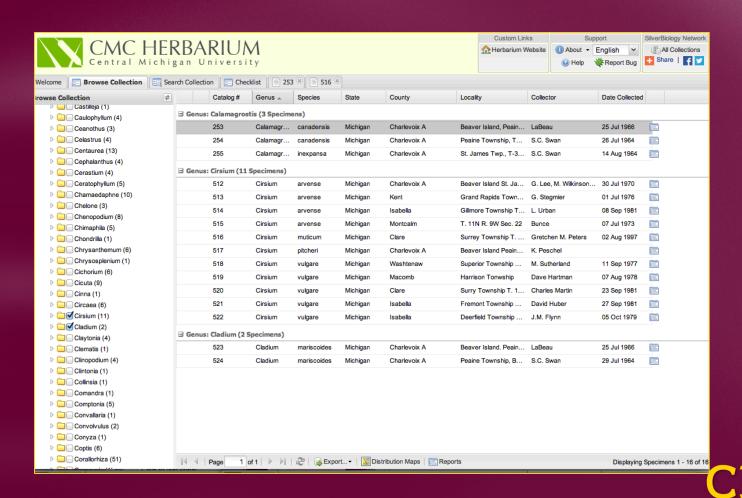








Where are we now?



CENTRAL MICHIGAN UNIVERSITY

Digitization Progress

http://cmc-herbarium.blogspot.com

CMC Herbarium - Central Michigan University

TUESDAY, JULY 3, 2012

Week 1: Arrival and Exploration

Hey guys

My name is Taylor. I am the newest graduate student to start in the Monfils Lab. I have been given the pleasure of helping Emilee and Dr. Monfils digitize and re-organize the Central Michigan Herbarium.

The first task I was given was to address workflow issues by re-organizing the herbarium for digitization. The following pictures will serve as our "before" shots.



BLOG ARCHIVE

- ▼ 2012 (7)
- ▼ July (1)

Week 1: Arrival and Exploration

- ▶ June (2)
- ► May (4)

CONTRIBUTORS

- CMC Herbarium Team
- Taylor Lowrey

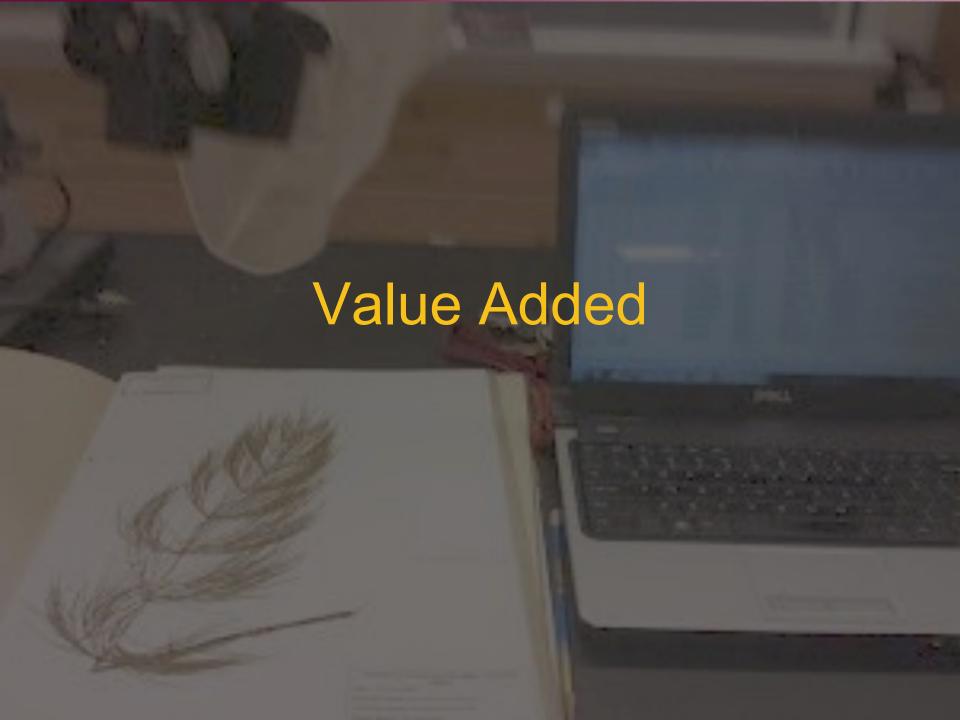


Lessons Learned

- Iterative process
 - By the time we figures out the best way to do it we were done!
- Instill ownership but keep an eye on the process
- Imaging is easy (2 months); organization is the challenge (1 year)







Michigan Small Herbarium Initiative

http://www.micob.org/mshi/index.html





Workshop

Michigan Small Herbaria Digitization Effort

Digitization Resources

MICOB.org

A strategic plan for establishing a Network of Biocollections Alliance (NIBA) has been developed to facilitate digitization and mobilize information associated with natural history collections. The goal is to record and archive biodiversity across the United States.

This website is intended to assist with consolidating resources and facilitating digitization efforts for small collections in Michigan and across the Great Lakes



Digitization of Michigan's Regional Herbaria: A Collective Effort.

- T. Evans & A. Monfils Funded through Hanes Trust
- A. Monfils (CMC)
- T. Evans (GVSC)
- D. Skean (ALBC)
- M. Hanes (EMC)
- J. Li (HCHM)
- R. Cooper (HLSD)

- T. Barkman (WMU)
- G. Corace (Seney National Wildlife Refuge)
- D. Woodland (AUB)
- D. Warners & G. Crow (CALVIN)



2013 Thematic Collection Network Proposals (NSF)

- COLLABORATIVE RESEARCH: DIGITIZATION
 TCN: Great Lakes TCN: Leading edge dynamics of
 vascular plant species within a biogeographic tension
 zone (CMU co-PI)
- COLLABORATIVE RESEARCH: DIGITIZATION
 TCN: Documenting the occurrence through space &
 time of aquatic non-indigenous fish, mollusks, algae,
 & plants threatening North America's Great Lakes
 (CMU contributor)



Undergraduate Learning Outcomes in Natural History Collections A. Monfils & S. Ellis

Found a Chara sp. within Fagaceae ... I mean, WHO on Earth would do that? somee cards



NANSH -

North American Network of Small Herbaria

Nansh.org/protal/



Homepage

Search Collections

Dynamic Checklist

Dynamic Key

Image Library

About Network

Resource Links

Symbiota Help Page

Other Networks

Great Plains

Intermountain

MABA Flora

SEINet

SERNEC

Log In

New Account

Sitemap

North American Network of Small Herbaria

Portal will be offline for maintenance during a 4-5 hour period in the afternoon of Saturday, Dec. 14th. We are sorry for any inconvenience this may cause.

The North American Network of Small Herbaria is an open access data portal provided by Symbiota and intended to foster digitization of small collections and facilitate collaboration among institutions. The establishment of this portal is the result of collaboration between Symbiota and iDigBio's Small Herbarium Working Group (https://www.idigbio.org/wiki/index.php/Small_Herbarium_Interest_Group). To learn how to join the working group or network, contact Anna Monfils (monfilak@cmich.edu) or Gil Nelson (gnelson@bio.fsu.edu).

Small herbaria constitute a major source of information for understanding North America's plant diversity. These collections are typically regional in scope with strong ecological, taxonomic, and geographic biases. They frequently hold specimens that are unduplicated in larger herbaria and usually represent intense samplings of community composition that significantly expand our knowledge of landscape-level biogeography. As a result, they are singularly important to the study of regionally and nationally significant natural communities.

Until recently, access to the wealth of biodiversity data stored in small herbaria has been hampered by travel requirements, insufficient staff, and long-term loans that render specimens unavailable for extended periods. With the advent of biodiversity collections digitization, small herbaria are now poised to overcome these obstacles by making label data and specimen images readily available online through searchable electronic databases. As more institutions take advantage of open-source, community-supported digitization software, the online presence of small collections will rapidly increase and with it the volume of available biodiversity data.

Plant of the Day



What is this plant? Click here to test your knowledge









"If you give people tools and they use their natural ability and their curiosity, they will develop things in ways that will surprise you very much beyond what you might have expected."

Bill Gates



CMC Herbarium - Central Michigan University

Saturday, December 7, 2013

Happy Holidays from the CMC Herbarium

Seasons Greetings!

With the holiday season in full effect, the CMC Herbarium is really getting into the spirit. From decorations to festive threads, the holiday cheer is infectious and we hope that you too, catch the jolliness bug.



Figure 1. Graduate students Heather Dame, Rachel Hackett (represented as the chair), and Clint Pogue show off their holiday spirit.

Blog Archive

- ▼ 2013 (19)
 - ▼ December (1)

Happy Holidays from the CMC
Herbarium

- November (2)
- October (3)
- July (2)
- ▶ June (3)
- May (3)
- March (1)
- February (3)
- ► January (1)
- **2012 (29)**

Contributors

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