Biodiversity Collections Digitization Initiatives University of Hawaii



Michael Thomas, Joseph F. Rock Herbarium University of Hawaii at Mānoa



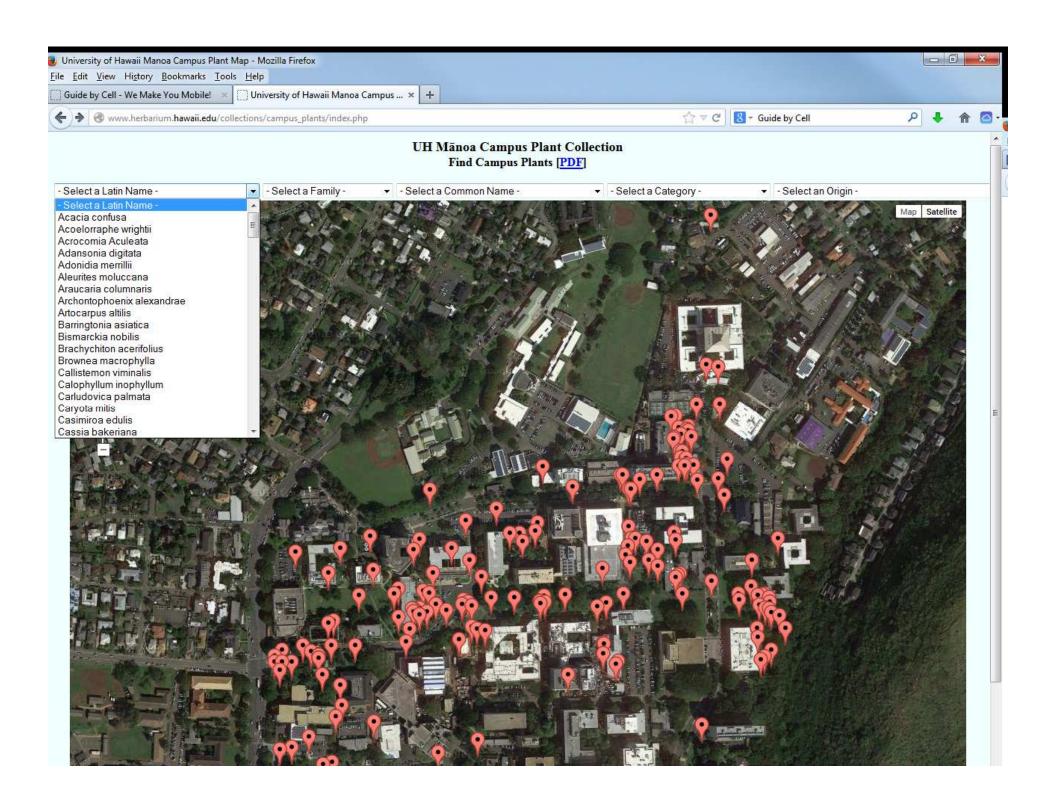




Living Collection - Campus Arboretum

- 1911-1921
 Campus plant diversity established and assisted by Joseph Rock collections
- Introduced trees primarily from SE Asia



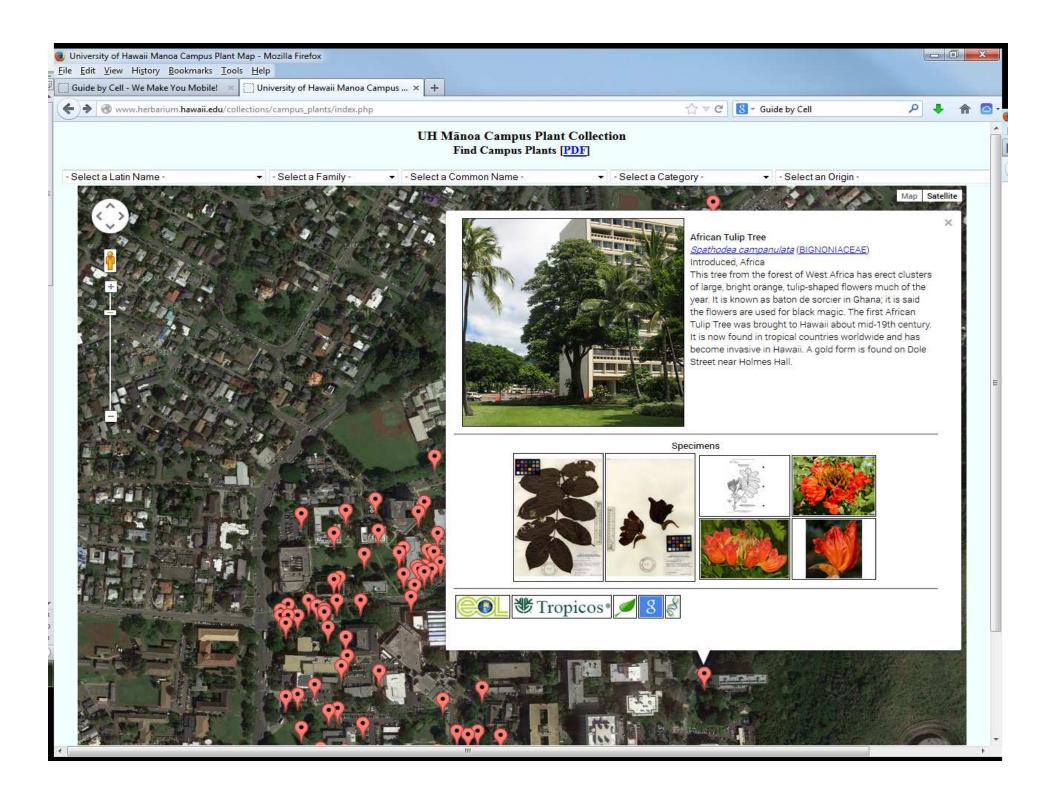


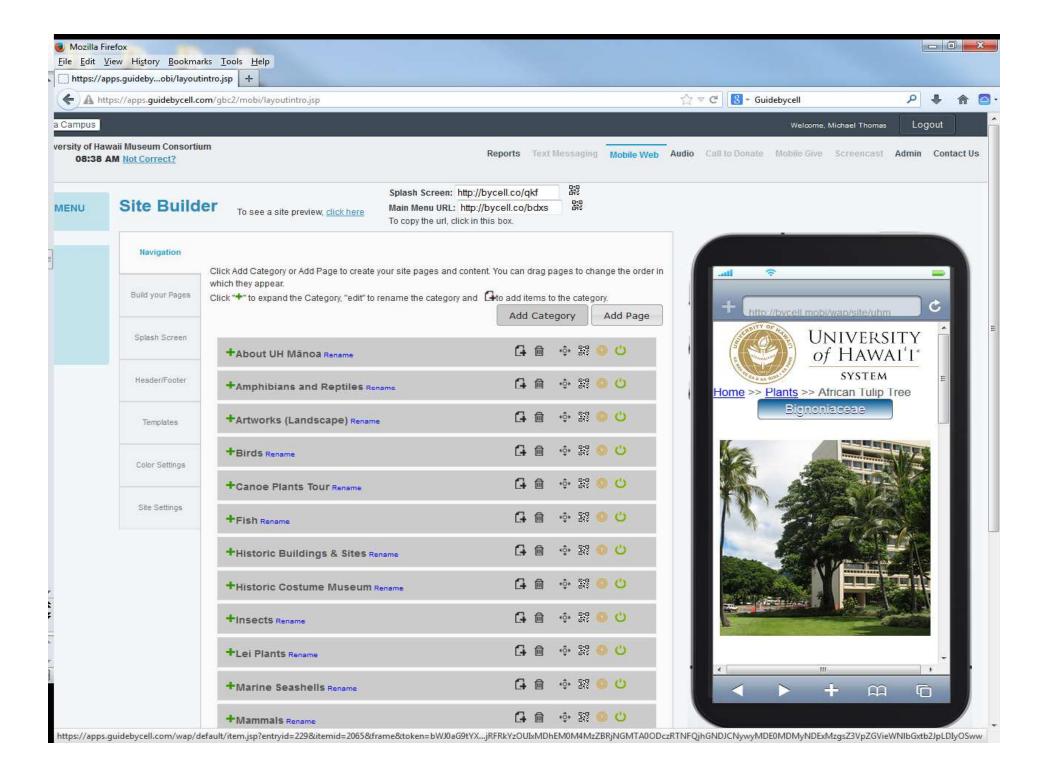
Campus Biodversity Heritage

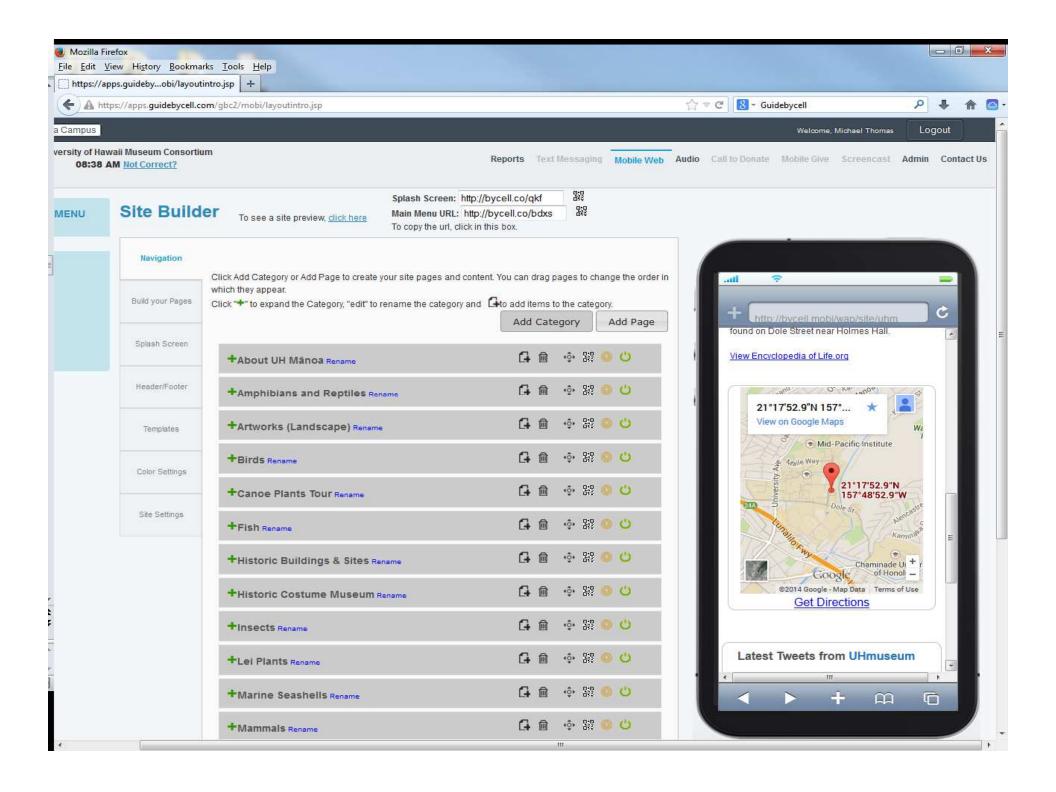
- 1957-80s campus mapped
 - Rock, Harold St. John, Gerry Carr
- Geo-referenced in the 1990s
 - 3000 trees mapped
 - 700 species
- 100 species vouchered in 2007
- Leads to development of the Campus Heritage Project – 100% resurvey of plant inventory

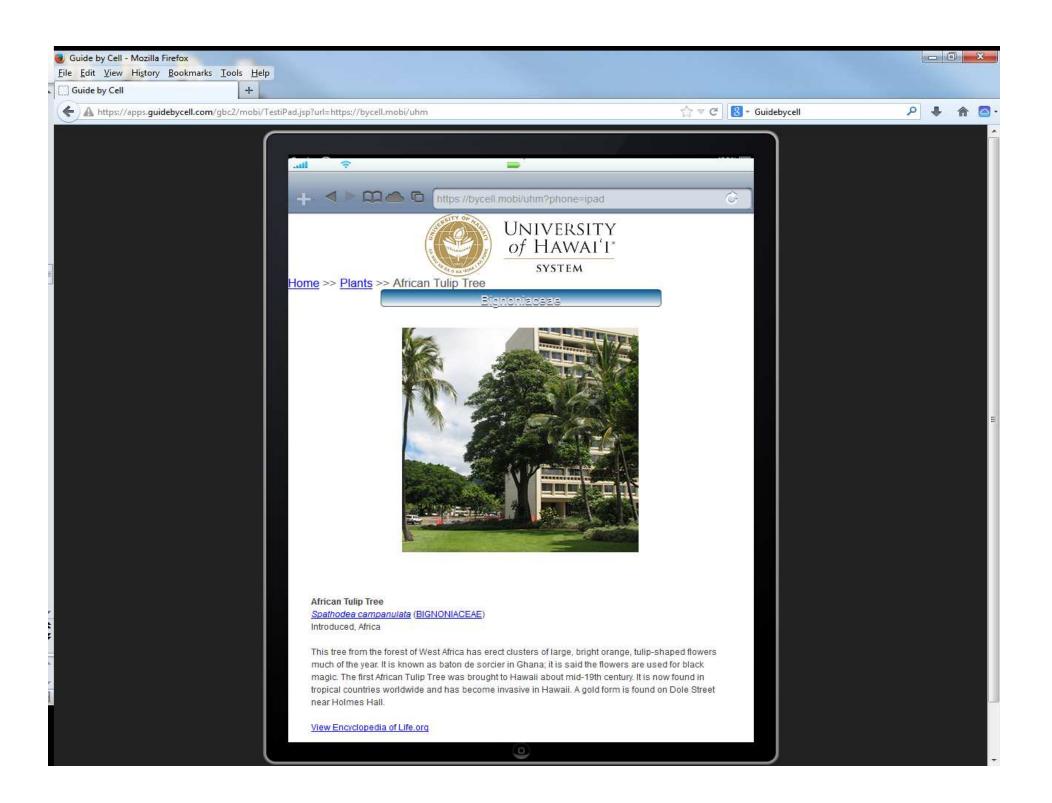












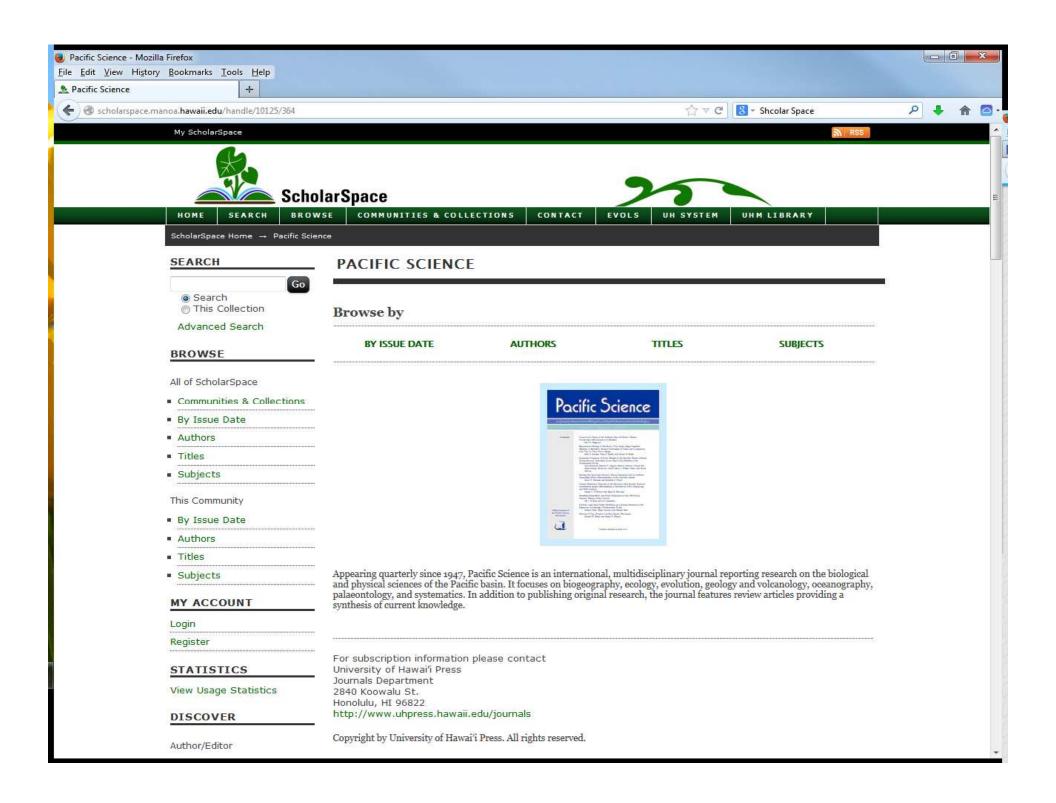
Connecting Collections

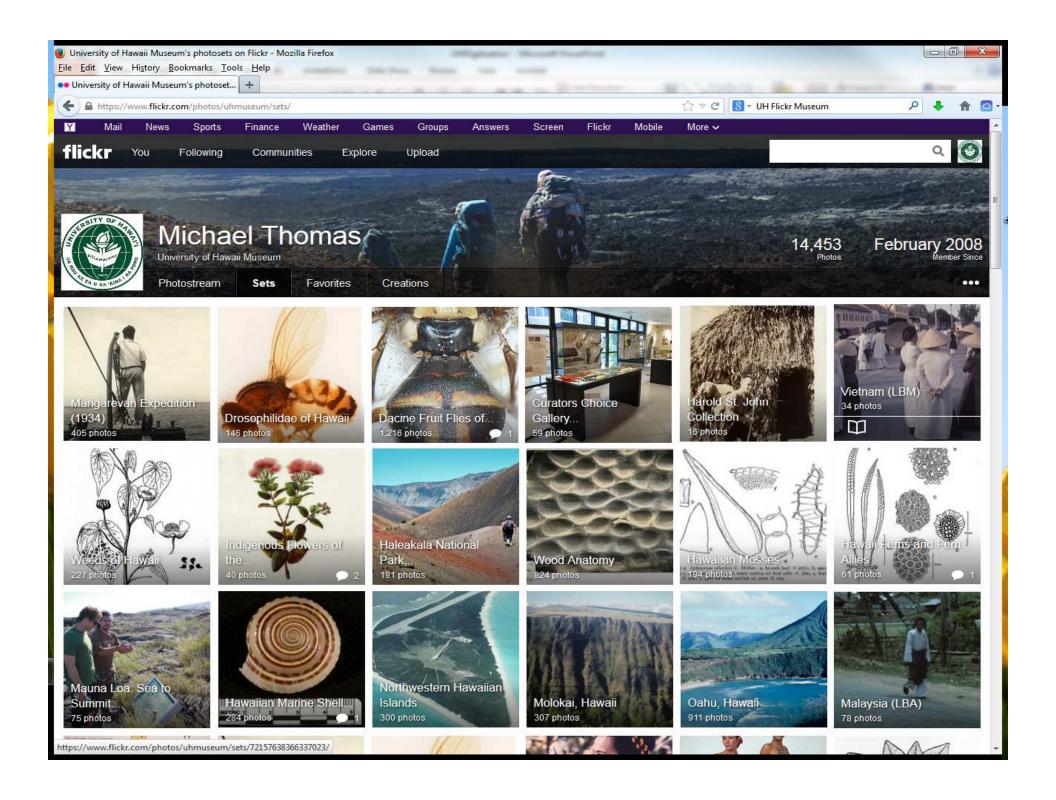
- 2008 Partnership with Museum Studies Program and development of the UH Museum Consortium to support art galleries, living and non-living collections.
- Focused on collection inventories and digitization of archived photos and video (VHS)
 - Campus Plants
 - Fish Museum, Biology Dept.
 - Herbarium, Botany Dept.
 - Insect Museum, Entomology Dept.
 - Marine Mollusks, Archeology Program
 - Land Snails, Biology Dept.
 - Waikiki Aquarium
 - Lyon Arboretum
 - UH Art Galleries

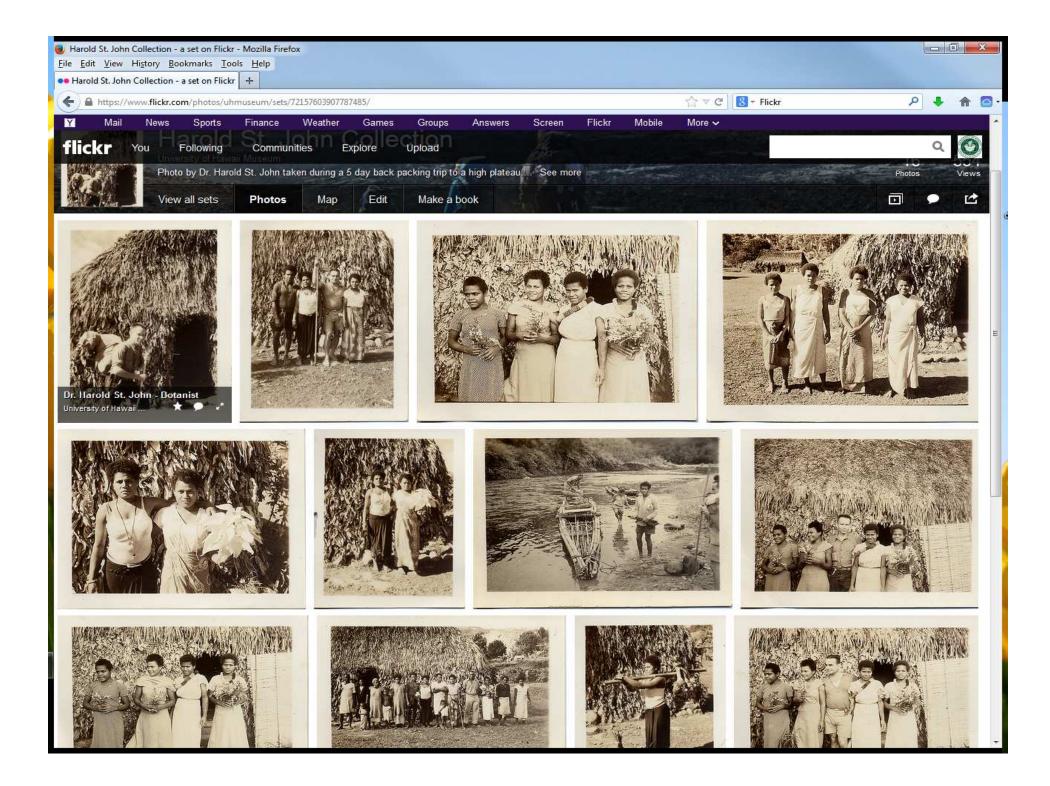


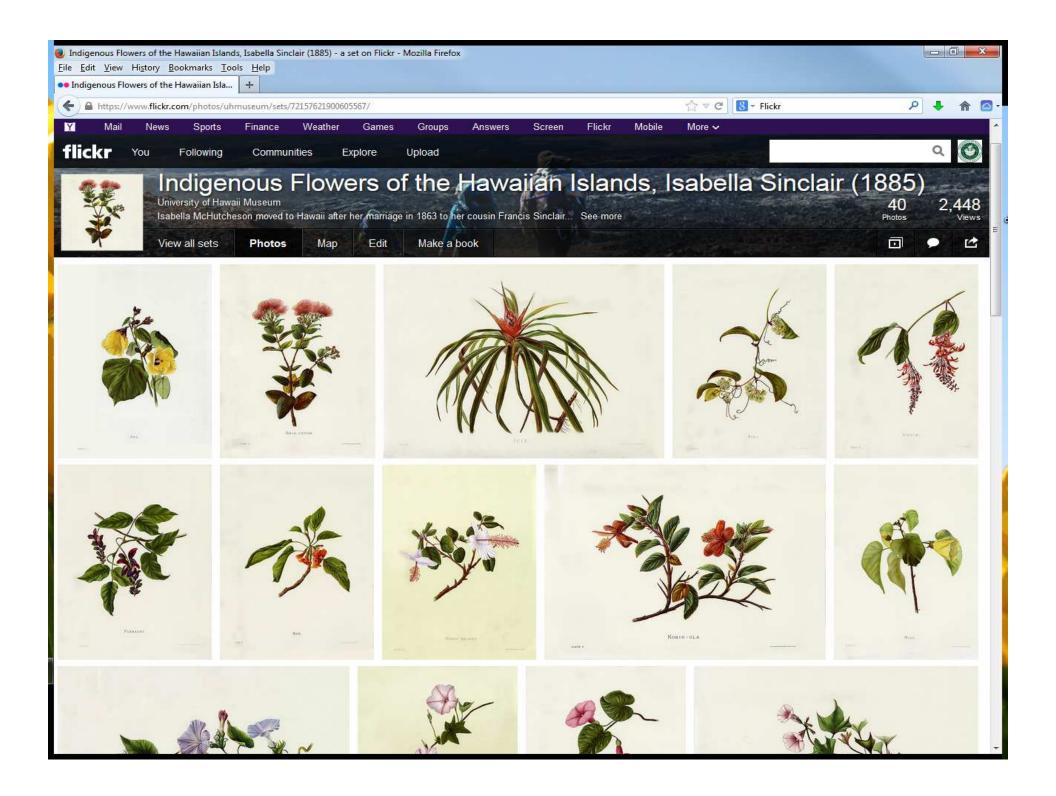
... A Call to Action . . :

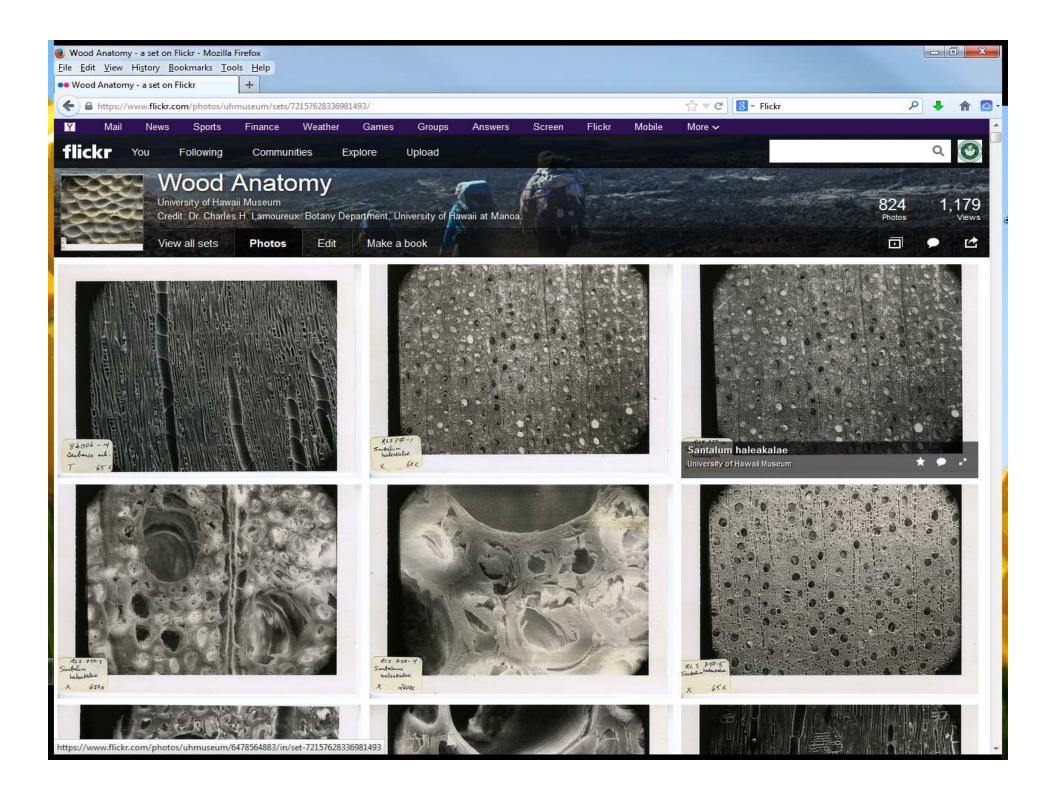


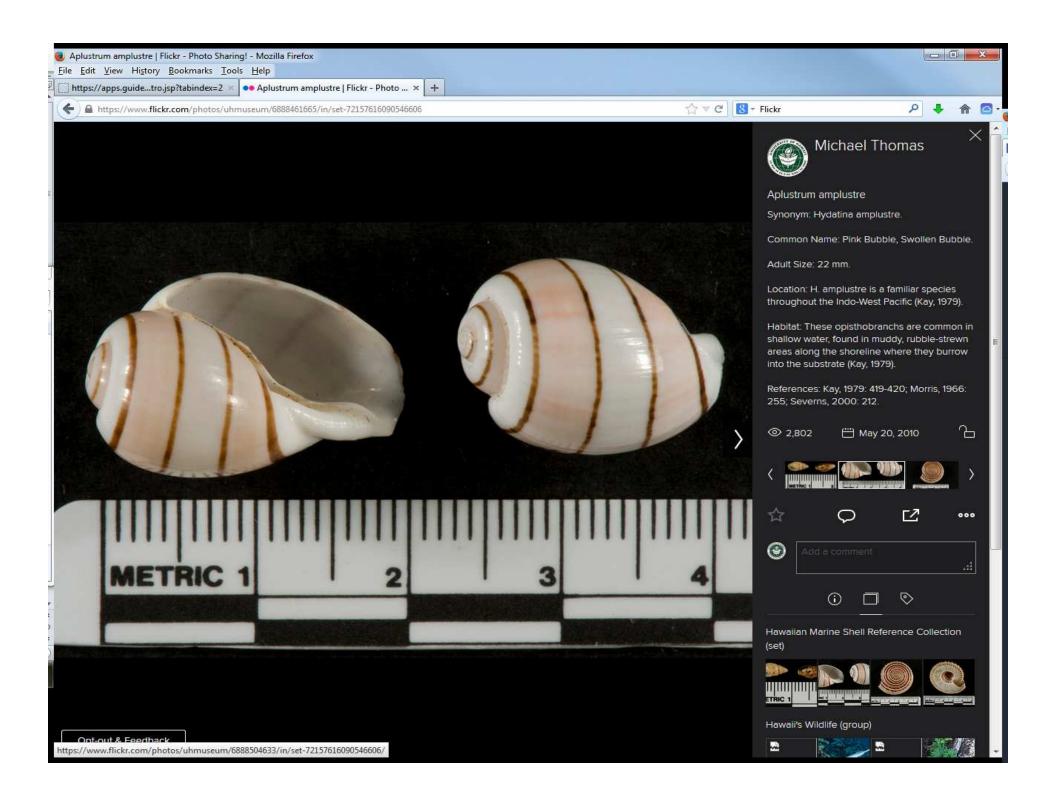






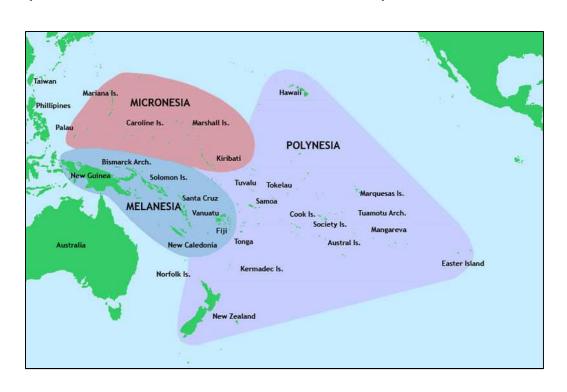


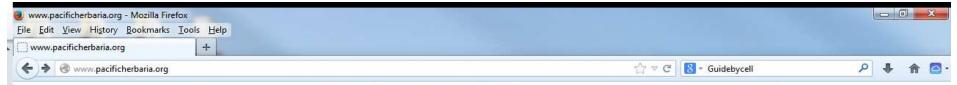




Consortia Building and Partners

- Consortium of Pacific Herbaria
 \$1.4 million (BRC), 3 yr. NSF funded
 - Regional partners (6 countries, National Parks)
 - NTBG
 - Bishop Museum
 - > 600,000 specimens
 - Geolocated
 - Imaged







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The Consortium of Pacific Herbaria (CPH) supports the enhancement of research cyberinfrastructure within Hawai'i and the Pacific basin for implementing shared specimen data hosting of plant specimens. The CPH network is a regional node of the US Virtual Herbarium.





Regional Partners

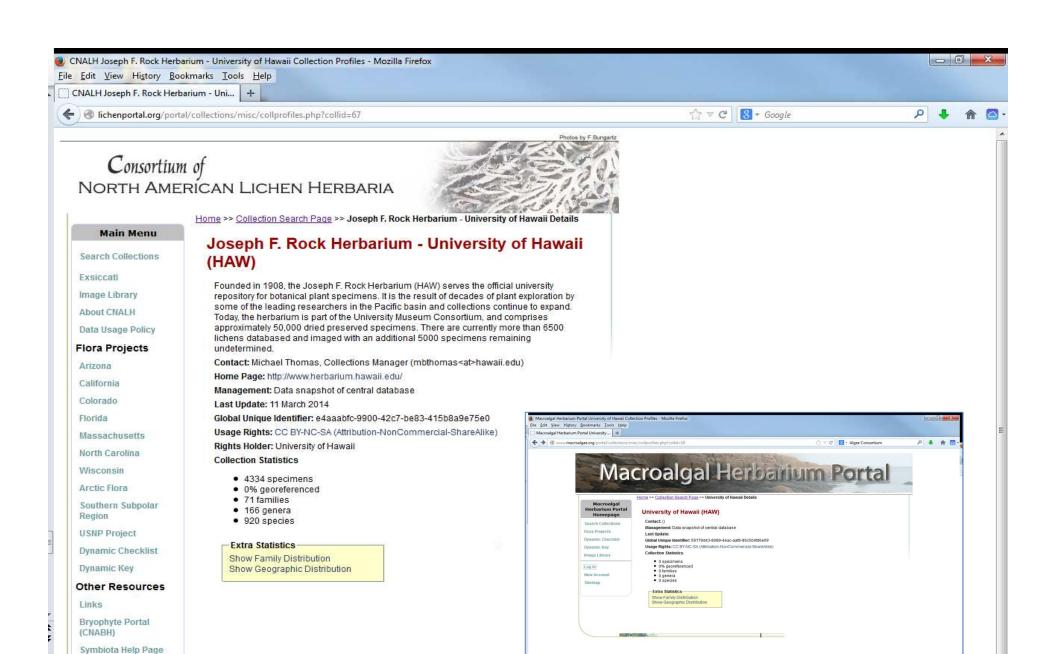




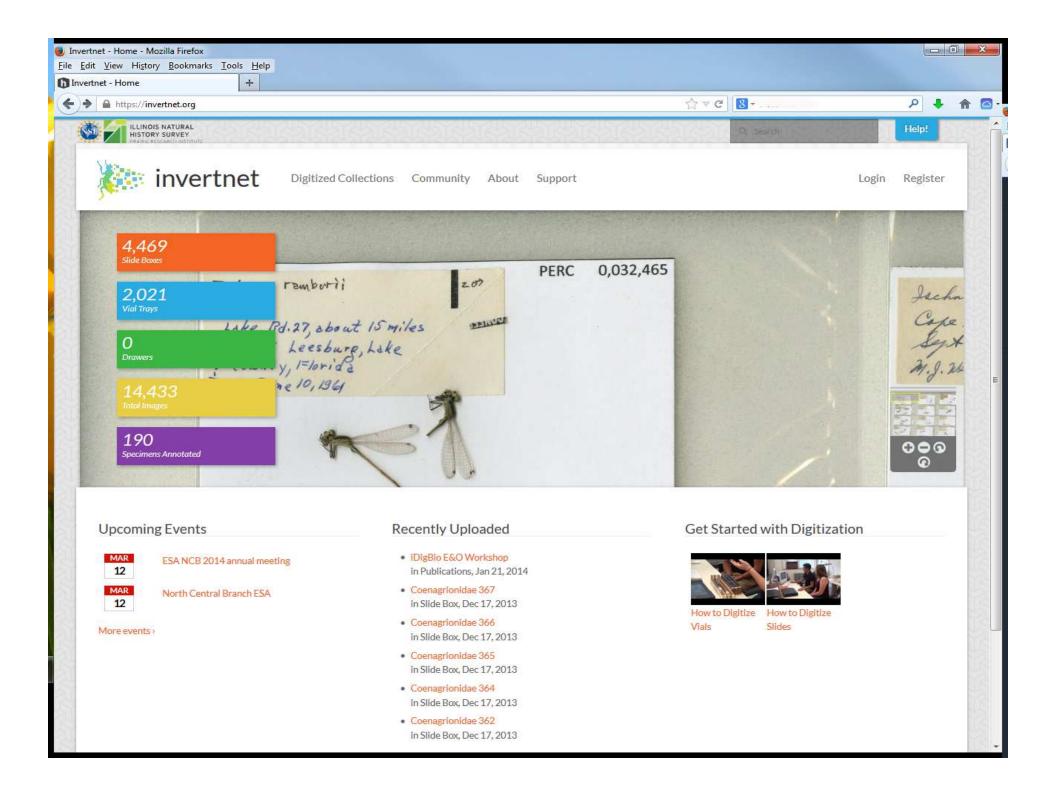


The Belaw National Museum and the University of Hawaii's Department of Botany work together for the Regional Herbaria Project. (See story on page 2)





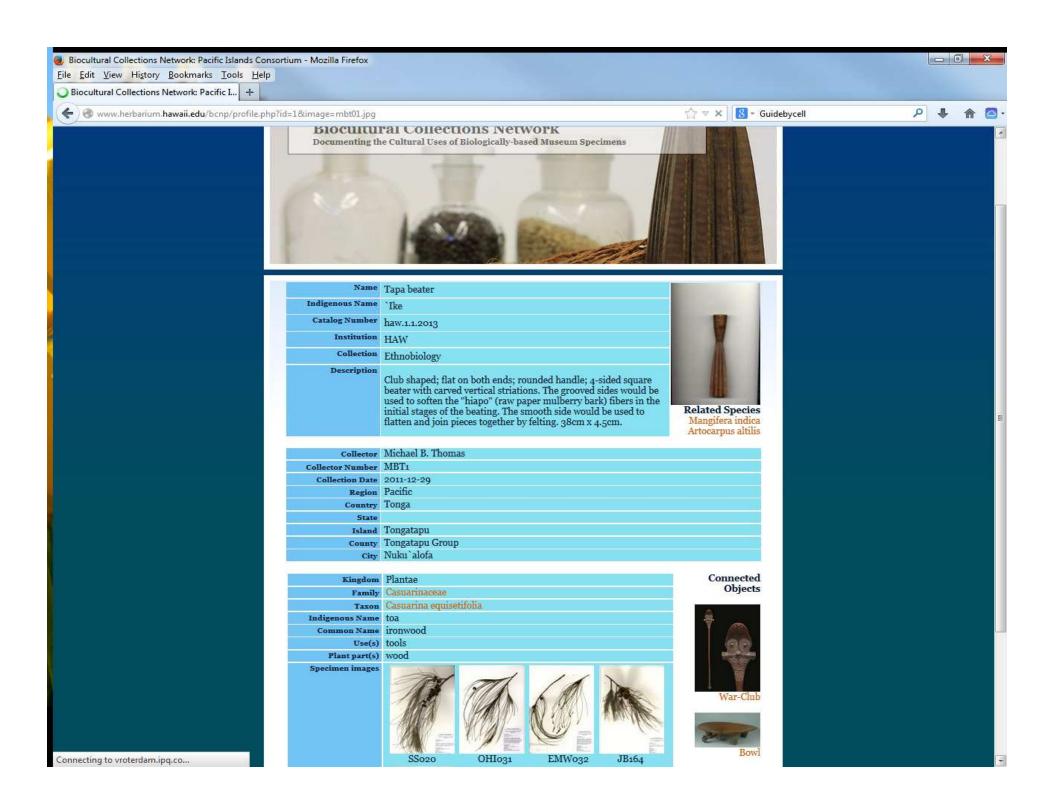
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Additional regional support

- Melanesia
 - Vanuatu
 - Solomon Islands
 - New Caledonia
 - Papua New Guinea

- <u>Asia</u>
- Taiwan
- Philippines
- Bhutan
- Connectivity with Australia/New Zealand Herbaria Networks
 - Additional 2.5 million records



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Museum Studies

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Melissa Rand

Kimberly Jackson

Herbaria Consortium Partners

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Fa'ainu Latu, National University of Samoa

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Steve Evans, Pohakuloa Training Area

Kalapapa National Historic Park

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and many assistants & volunteers...

