Herbarium Pacificum Imaging: Pros & Cons

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Herbarium Pacificum Equipment
# Herbscan

## PROS
- Scanning photos at 600DPI
- Database clean up during imaging
- Clarity
- Easily converted to .TIF with Photoshop software
- Work flow is more efficient

## CONS
- Scanning photos at 600DPI becomes time and data consuming
- Scanner has become obsolete
- Carpologica as well as larger specimens do not fit in the scanner
- Specimen wear and tear
Mamiya 645DF

**PROS**
- Using the Mamiya to image is quick
- Processing through Capture One makes Tif conversion more thorough in batches
- Efficient work flow
- Able to digitize flat, 3d and larger specimens

**CONS**
- Processing takes longer
- Having to constantly set the f/stop and aperture
- Mamiya equipment is not cost efficient
## Mamiya DL28

<table>
<thead>
<tr>
<th>PROS</th>
<th>CONS</th>
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<tbody>
<tr>
<td>- Speeds up work flow</td>
<td>- Lens is randomly uncooperative</td>
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<td>- Small file sizes</td>
<td>- Camera is costly to maintain and we lose valuable work time</td>
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<td>- Using batteries VS using AC Adapter</td>
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<td>- Camera randomly creates duplicates</td>
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Capture One

**PROS**
- Bulk processing
- Ability to create white balance and light profile

**CONS**
- Glitchy
- RAM and CPU issues when generating thumbnails
- Bulk processing becomes capped at 100-200 specimens (RAM issue?) i.e. Error messages (Mamiya DL28)
- Communication errors (Mamiya 645)
Cons: Error Messages

Description: Exception: Unspecified error. (340#2147680252) Leaf camera communication error (LeafSDK): A connection error has occurred. Please try to reconnect the camera back.
Domain: com.phaseone.captureone

Description: Exception: Unable to enable device for tethered communication.
Domain: com.phaseone.captureone

Description: Exception: Unspecified error. (340#2147483671) Leaf camera communication error (LeafSDK): Internal support library error
Domain: com.phaseone.captureone


http://www.jstor.org
MAHALO

Ben Brown, Barbara Kennedy, Shelley James & Varnelle Magoon