HOPI POTTERY IN THE SOUTHERN UTAH CANYON COUNTRY

Sharyl Kinnear-Ferris
The entire collection consists of five ceramic vessels, four ceramic sherds, two whole gourds, five half gourds, and juniper bark and corn cobs originally found in one of the vessels.
Alice (McKinney) Dansdill on June 8, 1963 at the cache site.
DISCOVERY DAY

Viewing the cache collection in-situ, in a rockshelter that is located in a side drainage of Salt Creek.
NPS archaeologists were able to relocate the site in 2009 using journal entries, marked maps, and family photos.

A reconnaissance of the area revealed no other artifacts or features at the rockshelter. Numerous prehistoric sites are located in the vicinity that contain architecture, lithic and ceramic artifacts, corn cobs, and rock art panels.
Components of the Dansdill Collection Study:

(1) Analysis of the collection conducted by Dr. Kelley Hays-Gilpin, NAU.

(2) Radiocarbon dating of 6 samples taken from 3 gourds, yucca stitching used to repair a gourd, juniper bark, and a corn cob segment found at the cache.

(3) Comparative analysis of salt to possibly source the salt found in one of the Dansdill collection pots.
CANY 37894 is a late style Sikyatki Polychrome bowl. Note the spattered paint visible on the interior.
The exterior design is more precisely rendered than the interior design, suggesting different individuals painted the surfaces, a frequent pattern for Jeddito Yellow Ware across all time periods.
CANY37926 is a small Sikyatki Polychrome jar, showing a shape that is characteristic of those manufactured post-A.D. 1400.
**CANY 37985** is a Sikyatki Polychrome bowl. The rim profile shows a tapering lip. The profile is characteristic of pots post-A.D. 1400.
CANY 37892 is a Jeddito Tooled Jar.

CANY 37893 is a Jeddito Corrugated Jar.
CANY 37898 is a dipper-shaped half gourd.

CANY 37899 is a half gourd.

CANY 37900 is a dipper-shaped half gourd.

CANY 37901 is a small half gourd with a neck.
CANY 37902 is a whole gourd. There are vertical saw–like cuts around the orifice where the stem was removed to make the opening. It has no apparent use wear, residues, or paint.

CANY 37903 is a whole gourd that is broken at the handle and glued back together. It shows scratches and cuts, with one cut encircling the tip of the neck. Shallow cuts suggest scoring in order to split the gourd into two dippers.
CANY 37897 is a half gourd with cracks repaired with yucca stitching.
Additional materials found at the cache.
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Table 2. Results of Radiocarbon Dating of 6 Samples from the Dansdill Collection.

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Beta Number</th>
<th>Material</th>
<th>Measured Radiocarbon Age</th>
<th>13C/12C Ratio</th>
<th>2 Sigma Calibration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANY37897</td>
<td>Beta-291473</td>
<td>Yucca stitching</td>
<td>300 +/- 40 BP</td>
<td>-21.6‰</td>
<td>Cal AD 1440 to 1640</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Cal BP 510 to 310)</td>
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<tr>
<td>CANY37898</td>
<td>Beta-291474</td>
<td>Sample from half gourd</td>
<td>360 +/- 40 BP</td>
<td>-23.1‰</td>
<td>Cal AD 1440 to 1540</td>
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<td></td>
<td></td>
<td>(Cal BP 510 to 420) AND</td>
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<td></td>
<td></td>
<td>Cal AD 1540 to 1630</td>
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<td></td>
<td>(Cal BP 400 to 320)</td>
</tr>
<tr>
<td>CANY37899</td>
<td>Beta-291475</td>
<td>Sample from half gourd</td>
<td>290 +/- 40 BP</td>
<td>-21.9‰</td>
<td>Cal AD 1450 to 1650</td>
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<td></td>
<td>(Cal BP 500 to 300)</td>
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<tr>
<td>CANY37900</td>
<td>Beta-291476</td>
<td>Sample from half gourd</td>
<td>440 +/- 40 BP</td>
<td>-24.0‰</td>
<td>Cal AD 1410 to 1470</td>
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<td>(Cal BP 540 to 480)</td>
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<tr>
<td>CANY37927</td>
<td>Beta-291477</td>
<td>Juniper bark found in one of the pots</td>
<td>380 +/- 40 BP</td>
<td>-24.2‰</td>
<td>Cal AD 1440 to 1540</td>
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<td></td>
<td>(Cal BP 510 to 420) AND</td>
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<td></td>
<td>Cal AD 1540 to 1630</td>
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<td></td>
<td></td>
<td></td>
<td>(Cal BP 400 to 320)</td>
</tr>
<tr>
<td>CANY37928</td>
<td>Beta-291478</td>
<td>Portion of corn cob</td>
<td>620 +/- 30 BP</td>
<td>-8.5‰</td>
<td>Cal AD 1040 to 1220</td>
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<td>(Cal BP 910 to 730)</td>
</tr>
</tbody>
</table>
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Tasting the “potash salt” on discovery day.

CANY 37894 with salt in-situ.
Scanning Electron Microscope Images of “salt from interior of Hopi bowl” (CANY Cat. #37894).

GROUP 1A (opaque white salt).

GROUP 1B (mix of translucent white and clear salt).

GROUP 2, mixed red and white salt.

Photos by Dr. Richard Grauch of the USGS.
Areas containing prehistoric salt sources.
Salt samples submitted to Steven DiNaso, Eastern Illinois University.
Samples procured from the Redmond Salt Mine, central Utah.
Sites, or localities, where Hopi PIV ceramics are found, as determined by literature search and personal communications.
ACKNOWLEDGEMENTS

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