Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4) on the Red River, Bowie County, Texas

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Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4) on the Red River, Bowie County, Texas

Timothy K. Perttula, Bo Nelson, and Mark Walters

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Cover art: Bowie Engraved carinated bowl in Burial 19 at the Paul Mitchell site (41BW4)

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Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4)

Introduction

The Paul Mitchell site (41BW4) is an ancestral Caddo habitation site and cemetery in the larger ancestral and historic occupation of the Upper Nasoni Village on the Red River in Bowie County, in the northeastern corner of the present state of Texas (Figure 1). Extensive excavations were conducted at the site in the 1930s by both professional and avocational archaeologists, and in the 1940s by an avocational archaeologist (Perttula 2014). The Paul Mitchell site is located in the McKinney Bayou floodplain about 2 miles from the current channel of the Red River to the north. The site is part of a large Upper Nasoni village believed to have extended several miles along the Red River, likely encompassing contemporaneous sites such as Eli Moores (41BW2), Hatchel (41BW3), Hargrove Moores (41BW39), and Horace Cabe (41BW14) (Figure 1). The large platform mound at the Hatchel site is about 1.6 km north of the Paul Mitchell site.

Figure 1. The Paul Mitchell site and other Nasoni Caddo sites on the Red River in Bowie County, Texas.

This monograph concerns the documentation of the 145 ceramic vessels placed as funerary offerings in Middle (ca. A.D. 1200–1400) and Late Caddo (ca. A.D. 1400–1690) period burials at the site that are now in the collections of the Texas Archeological Research Laboratory at the University of Texas at Austin (TARL). These vessels were recovered in several phases of 1930s excavations in a large cemetery at the Paul Mitchell site (Perttula 2014).
Archaeological Context

A number of excavations were conducted at the Paul Mitchell site in the 1930s and 1940s (Figure 2), beginning with investigations by The University of Texas (UT) in 1931 and 1932; the 1931 excavations were not productive as no cultural features were identified in the work along the levee bank. Work that followed in 1932, 1935, 1936, 1938–1939, and 1946 was almost totally focused on the identification and excavation of ancestral Caddo burials from a large cemetery along McKinney Bayou.

Precipitated by the discovery of American Indian human remains and funerary objects (ceramic vessels) during construction of a levee along McKinney Bayou, and 1930 digging by the son of Paul Mitchell that encountered a Caddo burial, in September 1932 University of Texas (UT) archaeologist A. T. Jackson and a crew explored an area 24–28 ft. west of the McKinney Bayou bank (see Figure 2), in the Paul Mitchell family’s back yard (Jackson 1932). This is some 150 m southeast from the Works Progress Administration (WPA) excavations to be discussed below (see Woolsey and Martin 1939:2).
During the work, four Caddo Indian burials (K–1 to K–4) were located in the Mitchell back yard. Only a single funerary offering accompanied these burials, a pedestal–based jar from Burial K–2.

W. H. Mathews, Jr., a local avocational archaeologist, excavated between February and April 1935 a total of 15 ancestral Caddo burials at the Mitchell site, in an area just east of the later WPA excavations (see Figure 2). Another six burials were excavated by unspecified others at the same time (Mathews 1935) (Figure 3), but burial plans were obtained by Mathews, along with information on the associated funerary offerings (Table 1).

Figure 3. Map of 1935 excavations by W. H. Mathews, Jr. at the Paul Mitchell site cemetery.

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</tr>
<tr>
<td>4</td>
<td>Extended</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>5</td>
<td>Extended</td>
<td>3</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>6</td>
<td>Extended</td>
<td>1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>7</td>
<td>Extended</td>
<td>1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>8</td>
<td>Extended</td>
<td>3</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>
Table 1. Burials 1–21 excavated and/or documented by W. H. Mathews, Jr. at the Paul Mitchell site, cont.

<table>
<thead>
<tr>
<th>Burial No.</th>
<th>Position</th>
<th>Ceramic Vessels</th>
<th>Funerary Offerings</th>
<th>Other Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Extended</td>
<td>3</td>
<td></td>
<td>mussel shell holding red clay pigment</td>
</tr>
<tr>
<td>10</td>
<td>Extended</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Extended</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Extended</td>
<td>3</td>
<td></td>
<td>one elbow pipe</td>
</tr>
<tr>
<td>13</td>
<td>Extended</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Extended</td>
<td>5</td>
<td></td>
<td>13 shell beads around the neck</td>
</tr>
<tr>
<td>15</td>
<td>Extended</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Extended</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Extended</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Extended</td>
<td>3</td>
<td></td>
<td>10 shell beads at the right wrist</td>
</tr>
<tr>
<td>19</td>
<td>Extended</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Extended</td>
<td>2</td>
<td></td>
<td>17 shell beads around the neck</td>
</tr>
<tr>
<td>21</td>
<td>Extended</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All 21 of the burials were in an extended supine position, and appeared to be adults based on the size of the burial pits. In more than 80 percent of the burials, the deceased’s head was facing to the north; two others were facing south, and two were facing either to the northeast or the northwest. One deceased Caddo individual (Burial 2) clearly had a cranially modified skull. The funerary offerings in the 21 burials included 59 ceramic vessels (2.8 vessels per burial or 2.95 vessels per burial with ceramic vessel funerary offerings), one ceramic elbow pipe, 40 conch shell beads (13.3 beads per burial among the three burials with shell beads), and one mussel shell that held a red clay pigment (see Table 1).

Glenn Martin and Harry Mathews (believed to be the same person as W. H. Mathews, Jr.) excavated two Caddo burials in an unknown part of the cemetery at the Paul Mitchell site in 1936. Both burials (No. 1 and No. 2) were those of adults laid out in an extended supine position, with their heads at the northern end of the burial pits, facing to the south. Burial No. 1 had two ceramic vessels (a bowl with a scalloped rim and a small bottle) provided as funerary offerings. A single engraved vessel of unknown decorative style was in Burial No. 2, along with a marine shell gorget with an engraved cruciform style.

The WPA excavations by UT at the Paul Mitchell site were extensive, and began on November 10, 1938. A. M. Woolsey was the archaeologist in charge and E. Glenn Martin was the project’s time keeper (Woolsey and Martin 1939:2). During the course of the project, which ended on January 10, 1939, 57 different ancestral Caddo burials were excavated in the cemetery, and habitation features and extensive midden deposits were also identified and excavated during the work (Figure 4). The WPA archaeologists did discover that the cemetery had also been rather thoroughly disturbed by pothunters in earlier years. Excavations were abandoned on January 10, 1939, because of rising water levels in Barkman Creek and McKinney Bayou (Woolsey and Martin 1939:195). Burials and other features (i.e., midden deposits and house sites) were considered to be likely to also occur to the north and east of the excavation limits, but these areas were never investigated by UT.

Caddo burials were found on the very first day of the WPA excavations at the Paul Mitchell site, but the beginning assigned burial number at the site is Burial 3 (Table 2). Missing numbers in the burial descriptions below were assigned to burials at the Hatchel site, which was being excavated by the WPA at the same time (Woolsey and Martin 1939:3).
Table 2. Burials excavated by the WPA at the Paul Mitchell site.

<table>
<thead>
<tr>
<th>Burial No.</th>
<th>Position</th>
<th>Ceramic Vessels</th>
<th>Funerary Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Extended</td>
<td>3</td>
<td>1 elbow pipe, and mussel shells; but disturbed by prior digging</td>
</tr>
<tr>
<td>4</td>
<td>Extended</td>
<td>1</td>
<td>mussel shell with pigment stain; disturbed by prior digging</td>
</tr>
<tr>
<td>6A</td>
<td>Unknown</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>6B</td>
<td>Extended</td>
<td>–</td>
<td>mussel shell and a bone needle; disturbed by prior digging</td>
</tr>
<tr>
<td>7</td>
<td>Extended</td>
<td>3</td>
<td>5 conch shell beads; disturbed by prior digging</td>
</tr>
<tr>
<td>12</td>
<td>Extended</td>
<td>7</td>
<td>concentration of charcoal on the left chest area; a mussel shell hoe; 1 pearl bead by the right shoulder</td>
</tr>
<tr>
<td>13</td>
<td>Extended</td>
<td>2</td>
<td>mussel shell</td>
</tr>
<tr>
<td>16</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>17</td>
<td>Extended</td>
<td>2</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>18</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>19</td>
<td>Extended</td>
<td>5</td>
<td>ceramic elbow pipe, shell gorget, a bone pin, and 10 conch shell beads</td>
</tr>
<tr>
<td>26</td>
<td>Extended</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>27</td>
<td>Extended</td>
<td>1 [remnants]</td>
<td>–</td>
</tr>
<tr>
<td>28</td>
<td>Extended</td>
<td>5</td>
<td>1 clay pipe</td>
</tr>
<tr>
<td>29</td>
<td>Extended</td>
<td>6</td>
<td>18 shell beads; bird bones</td>
</tr>
<tr>
<td>30</td>
<td>Extended</td>
<td>3</td>
<td>5 shell beads; 1 mussel shell</td>
</tr>
<tr>
<td>31</td>
<td>Extended</td>
<td>6</td>
<td>–</td>
</tr>
<tr>
<td>32</td>
<td>Extended</td>
<td>3</td>
<td>1 mussel shell; 20 conch shell beads</td>
</tr>
<tr>
<td>33</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>35</td>
<td>Extended</td>
<td>3</td>
<td>–</td>
</tr>
</tbody>
</table>

Figure 4. WPA excavations at the Paul Mitchell site, and the area excavated by Pete Miroir in 1946.
### Table 2. Burials excavated by the WPA at the Paul Mitchell site, cont.

<table>
<thead>
<tr>
<th>Burial No.</th>
<th>Position</th>
<th>Funerary Offerings</th>
<th>Other Funerary Offerings</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Extended</td>
<td>7</td>
<td>1 clay elbow pipe; 2 mussel shells; and 11 conch shell beads</td>
</tr>
<tr>
<td>37</td>
<td>Extended</td>
<td>2 (and fragments of possibly five others)</td>
<td>2 mussel shells; disturbed by prior digging</td>
</tr>
<tr>
<td>38</td>
<td>Extended</td>
<td>1</td>
<td>charcoal in the burial fill</td>
</tr>
<tr>
<td>39</td>
<td>Extended?</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>40</td>
<td>Extended</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>41</td>
<td>Extended</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>42</td>
<td>Extended</td>
<td>7</td>
<td>–</td>
</tr>
<tr>
<td>43</td>
<td>Extended</td>
<td>7</td>
<td>2 mussel shells (1 with red pigment); 5 conch shell beads</td>
</tr>
<tr>
<td>44</td>
<td>Extended</td>
<td>1</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td></td>
<td>(2 IND.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>46</td>
<td>Unknown</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>47</td>
<td>Unknown</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>48</td>
<td>Unknown</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td></td>
<td>(2 IND.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>Extended</td>
<td>3</td>
<td>1 clay pipe with Burial 49B; disturbed by prior digging</td>
</tr>
<tr>
<td></td>
<td>(2 IND.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>51</td>
<td>Unknown</td>
<td>–</td>
<td>2 clay pipes; disturbed by prior digging</td>
</tr>
<tr>
<td>52</td>
<td>Extended</td>
<td>1</td>
<td>1 turtle shell; disturbed by prior digging</td>
</tr>
<tr>
<td>53</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>54</td>
<td>Extended</td>
<td>5</td>
<td>3 stone projectile points</td>
</tr>
<tr>
<td>55</td>
<td>Extended</td>
<td>–</td>
<td>mass of purple clay pigment; disturbed by prior digging</td>
</tr>
<tr>
<td>56</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>57</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>58</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>59</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging</td>
</tr>
<tr>
<td>60</td>
<td>Extended</td>
<td>–</td>
<td>5 bone projectile points; disturbed by prior digging</td>
</tr>
<tr>
<td>61</td>
<td>Extended</td>
<td>5</td>
<td>–</td>
</tr>
<tr>
<td>62</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by past plowing</td>
</tr>
<tr>
<td>63</td>
<td>Extended</td>
<td>5</td>
<td>4 arrow points; 2 turtle shell rattles</td>
</tr>
<tr>
<td>64</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by prior digging and only partially exposed by WPA</td>
</tr>
<tr>
<td>65</td>
<td>Extended</td>
<td>1</td>
<td>–</td>
</tr>
<tr>
<td>66</td>
<td>Extended</td>
<td>3</td>
<td>1 clay pipe; 2 bone hair pins or needles; a celt or scraper; 12 animal bones (may be part of a necklace)</td>
</tr>
<tr>
<td>67</td>
<td>Extended</td>
<td>–</td>
<td>disturbed by plowing</td>
</tr>
<tr>
<td>68</td>
<td>Extended</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>69</td>
<td>Extended</td>
<td>3</td>
<td>65 shell beads; 1 clay pipe; 2 mussel shells</td>
</tr>
<tr>
<td>70</td>
<td>Unknown</td>
<td>–</td>
<td>burial incompletely investigated by WPA</td>
</tr>
</tbody>
</table>

IND. = individuals
Funerary offerings were commonly placed with the deceased Caddo adults and children. These funerary offerings included ceramic vessels (n=110 vessels; there were 96 vessels in 24 undisturbed burials, or 4.0 vessels per burial); clay pipes (nine pipes in eight burials); mussel shell valves (14 in 10 burials); one mussel shell hoe; a marine shell gorget in one burial; marine shell beads (n=142 in nine different burials); bone hair pins (n=3 in two burials) and bone tools (one bone needle); bird and animal bones placed inside several vessels (n=3 burials); a possible animal bone necklace in one burial; turtle shells (in one burial); turtle shell rattles (two in one burial); bone (n=5) and stone projectile points (n=7); one celt; and a pigment stone. The kind and range of funerary offerings in these Caddo burials from the Paul Mitchell site are not significantly different than the funerary offerings placed with the 23 burials excavated in 1935 and 1936 in the cemetery: 2.7 vessels per burial; one clay pipe in one burial; 40 shell beads and a shell gorget in two burials; and a mussel shell with clay pigment in one burial.

The age and sex have been determined for many of the Caddo burials excavated by the WPA in the Paul Mitchell site cemetery that had not been previously disturbed by pothunters (Lee 1997:Table 2). Consequently, it is possible to examine if there were differences between age and sex groups in the range and quantity of ceramic funerary offerings that were placed with them at their death. The two child burials (Burials 35 and 61) had between them eight ceramic vessels (4.0 vessels per burial). The one adolescent burial (Burial 65) had only one ceramic vessel placed in its grave as a funerary offering. Ten of the burials at the Paul Mitchell site cemetery were adult females (Burials 12–13, 29–31, 38, 41–43, and 68). These adult females had 43 ceramic vessels (4.3 per burial, range 1–7 vessels per burial). Seven of the burials at the Paul Mitchell site are adult males (Burials 19, 28, 36, 40, 54, 63, and 66). The funerary offerings placed with these individuals included 30 ceramic vessels (4.3 vessels per burial, range 0–7 vessels per burial). Adult male and female individuals, as well as children, at the site had the same amount of ceramic vessels placed as funerary offerings in graves.
Method of Vessel Analysis

As with other ancestral Caddo ceramic vessel documentation studies recently completed of ceramic assemblages from East Texas sites (cf. Perttula et al. 2013, 2015), the following consistent set of attributes were employed in the study and documentation of the ceramic vessels from the Paul Mitchell site:

**Non–plastics:** Deliberate and indeterminate materials in the paste (Rice 1987:411), including a variety of tempers (i.e., grog or crushed sherds, bone, hematite/ferruginous sandstone, shell, quartz sands, etc.) and “particulate matter of some size.” The grog, bone, or shell appears to have been deliberately added to the paste as tempers. The bone or shell used for temper had been burned and calcined, then crushed, before it was added to the paste.

**Vessel Form:** Vessel form categories include open containers (bowls of several sizes, including effigy bowls, carinated bowls, and compound bowls) and restricted containers, including jars and bottles, as well as plates. As restricted containers, jars allow access by hand, but bottles do not (Brown 1996:335). Other form attributes that were recorded include the rim profile (outflaring or everted, vertical or standing, and inverted), lip profile (rolled to the exterior, rounded, flat, or thinned), and base shape (flat or rounded).

**Core Colors:** Observations on ceramic cross–section colors permit consideration of oxidation patterns (Teltser 1993:Figure 2A–H), and thus the conditions under which the vessel was fired and then cooled after firing. Comments are included for these attributes on the presence and location of fire–clouding, sooting or smudging from cooking use (Skibo 1992), and the preservation of any charred organic remains.

**Wall Thickness:** Thickness was recorded in millimeters, using a vernier caliper, at the lip, along the rim, at several points along the body, and at the base when possible (only for the vessels that were not complete).

**Interior and Exterior Surface Treatment:** The primary methods of finishing the surface of the vessels includes either smoothing, burnishing, and polishing (Rice 1987:138). Brushing, while a popular method of roughening the surface (particularly the body) of large and small Middle (ca. A.D. 1200–1450) and Late Caddo (ca. A.D. 1450–1680) period cooking jars in several parts of the Caddo area (Perttula 2015), is here considered a decorative treatment rather than solely a functional surface treatment (cf. Rice 1987:138), although not all Caddo ceramic analysts treat brushing as a decorative treatment. Smoothing creates “a finer and more regular surface...[and] has a matte rather than a lustrous finish” (Rice 1987:138). Burnishing, on the other hand, creates an irregular lustrous finish marked by parallel facets left by the burnishing tool (perhaps a pebble or bone). A polished surface treatment is marked by a uniform and highly lustrous surface finish, done when the vessel is dry, but without “the pronounced parallel facets produced by burnishing leather–hard clay” (Rice 1987:138).

The application of a hematite–rich clay slip (Ferring and Perttula 1987), either red or black after firing in an oxidizing or reducing (i.e., low–oxygen) environment, is another form of surface treatment noted in many East Texas assemblage. On these vessels, the clay slip is more frequently applied on the vessel exterior, or on both surfaces, than on the interior surface, and then was either burnished or polished after it was leather–hard or dry.

**Height and Orifice Diameter:** These attributes, measured in centimeters, were recorded with a ruler.
Diameter at Bottom of Rim and Base Diameter: Also recorded in millimeters using a ruler, these attributes permit characterization of the overall contour and shape of the vessel.

Volume: With measurements of height and orifice diameter obtained from the vessels, as well as other measurements of size (i.e., base diameter and maximum body width), volumes were estimated by comparison with known vessel volumes of specific forms (i.e., carinated bowl, jar, bottle, compound bowl, and bowl) in many other recently documented Caddo vessel assemblages.

Base Diameter and Shape: these attributes were either measured in centimeters or my shape attributes: circular or square, and flat or round.

Decoration: Decorative techniques present in the vessel collection from Caddo sites in East Texas include engraving, incising, trailing, punctating, pinching, brushing, and appliquéing, and on certain vessels, combinations of decorative techniques (i.e., incised–punctated) created the decorative elements and motifs. Engraving was done with a sharp tool when the vessel was either leather–hard, or after it was fired, as were the tick marks often seen on vessels in this collection, while the other decorative techniques were executed with tools (trailing, incising, and punctation), by adding strips of clay to the wet body (appliqué), using frayed sticks or grass stems (brushing) dragged across the body surface, or fingernails (certain forms of punctations and pinching), when the vessel was wet or still plastic. Excising is considered a form of engraved decoration, where the clay is deliberately and closely marked/scraped and carved away with a sharp tool, usually to create triangular elements, tick marks, or excised punctations.

Use of Pigments: Another form of vessel decoration is the use of red (hematite or ochre) or white (kaolin clay) clay pigments that have been smeared or rubbed into the engraved lines of certain vessels.

Type: The kinds of ceramic types and defined varieties in the collections from East Texas sites follow Suhm and Jelks (1962), Brown (1996), and for post–1962 ceramic types: Perttula and Selden (2014).
There are a total of 145 ceramic vessels from burial features in the Texas Archeological Research Laboratory at The University of Texas at Austin (TARL) collections from the Paul Mitchell site. The vast majority of these vessels are either from the 1938–1939 WPA excavations at the site (n=97, 67 percent) or the 1935 excavations by W. H. Mathews, Jr. in the large cemetery there (n=46, 31.7 percent).

1932 Exploration

SITE NAME OR SITE NUMBER: Paul Mitchell (41BW4)
VESSEL NO.: K–2, 6, Burial K–2 (see Figure 2)
VESSEL FORM: Deep jar with pedestal base (8.2 cm in diameter and 3.7 cm in height) and two suspension holes (2.8 mm in diameter) (Figure 5)
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim
EXTERIOR SURFACE COLOR: brown; fire clouds on the rim, body, and the base
WALL THICKNESS (IN MM): rim, 5.7 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 15.9
ORIFICE DIAMETER (IN CM): 11.5
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.2
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.2; circular and flat
ESTIMATED VOLUME (IN LITERS): 1.1
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim on the vessel is divided into four panels by single vertical engraved lines with spur tick marks on them. In the panels are a series of engraved circles with spurs, with a single semi–circular engraved line around each of the circle elements (Figure 5a–b).
The decoration on the vessel body consists of four engraved circles, in two different panels defined by four vertical engraved lines. The engraved circles have spur marks on their margins that are connected with each other by slanting scrolls with spur marks (Figure 5a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Haley Engraved

Figure 5. cf. Haley Engraved jar in Burial K–2 at the Paul Mitchell site (41BW4): a, photograph; b, drawing.
A total of 46 ceramic vessels from the Mitchell site are in the TARL collections that were excavated by W. H. Matthews, Jr. in 1935 (see Figures 2 and 3). These vessels were funerary offerings in 19 of the burials.

**SITE NAME OR SITE NUMBER:** Paul Mitchell

**VESSEL NO.:** 341–413, Burial 1

**VESSEL FORM:** Jar

**NON–PLASTICS AND PASTE:** grog

**RIM AND LIP FORM:** Everted rim and rounded lip

**CORE COLOR:** G (fired in a reducing environment and cooled in the open air)

**INTERIOR SURFACE COLOR:** very dark grayish–brown

**EXTERIOR SURFACE COLOR:** yellowish–brown; fire clouds on the rim and body

**WALL THICKNESS (IN MM):**

- rim, 7.0 mm

**INTERIOR SURFACE TREATMENT:** smoothed

**EXTERIOR SURFACE TREATMENT:** none

**HEIGHT (IN CM):** 11.5

**ORIFICE DIAMETER (IN CM):** 11.6

**DIAMETER AT BOTTOM OF RIM OR NECK (IN CM):** 11.3

**BASE DIAMETER (IN CM) AND SHAPE OF BASE:** 7.6; circular and flat

**ESTIMATED VOLUME (IN LITERS):** 0.8

**DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT):** The rim has 11 sets of diagonal opposed incised lines. The vessel body has a continuous series of vertical incised lines (Figure 6a–b).

**PIGMENT USE AND LOCATION ON VESSEL:** none

**TYPE AND VARIETY (IF KNOWN):** Dunkin Incised

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*Figure 6. Dunkin Incised jar in Burial 1 in Mathews excavations at the Paul Mitchell site (41BW4): a, photograph.*
Figure 6b. Dunkin Incised jar in Burial 1 in Mathews excavations at the Paul Mitchell site (41BW4): vessels from Burial 1 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–414, Burial 1

VESSEL FORM: Carinated bowl with flat and scalloped lip (cf. Redwine mode, see Walters 2010) (Figure 7a; see also Figure 6b)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded, exterior folded and exterior thickened

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown to black

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 8.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.7

ORIFICE DIAMETER (IN CM): 17.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.1

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has five equally–spaced horizontal engraved lines. The lower part of the rim has an unknown number of upper and lower concentric semi–circles divided by a single sinuous horizontal engraved line (Figure 7b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–415, Burial 1

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 10.8

ORIFICE DIAMETER (IN CM): 9.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.9

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.58

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has incised triangle elements and diagonal zones filled with linear tool punctations, while the vessel body is divided into three panels by vertical appliqued fillets. Within each of the panels is a single large incised circle filled with linear tool punctations as well as a series of five semi–circular incised lines on two sides of the large circle element (Figure 8; see also Figure 6b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Haley Complicated Incised
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–416, Burial 2
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: black
WALL THICKNESS (IN MM): rim, 5.1 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 17.8
ORIFICE DIAMETER (IN CM): 3.7
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.8; maximum body diameter is 11.4 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.8; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.5
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top and bottom of the vessel body have two equally–spaced horizontal engraved lines. Between these lines are a series of 17 narrow and near vertical and curvilinear zones, mostly open, but at least one filled with hatched lines, and another zone with a series of large open pendant triangles (Figure 9).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–417, Burial 2

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 3.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.7

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.56

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has upper and lower horizontal engraved lines as well as a series of diagonal zones filled with 4–5 horizontal hatched lines. A single horizontal to diagonal engraved line connects the diagonal zones, and one area along this line has a series of short diagonal and opposed engraved lines (Figure 10).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 10. Engraved carinated bowl in Burial 2 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–418, Burial 2

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 6.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.4

ORIFICE DIAMETER (IN CM): 10.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 11)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

Figure 11. Plain bowl in Burial 2 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–419, Burial 3

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM:
Direct rim and flat lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR:
black; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 6.4 mm

INTERIOR SURFACE TREATMENT:
smoothened

EXTERIOR SURFACE TREATMENT:
smoothened

HEIGHT (IN CM): 9.0

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.76

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has an incised continuous scroll motif repeated five times around the vessel. The upper and lower scroll fill zones are triangular elements filled with diagonal incised lines (Figure 12a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–420, Burial 5

VESSEL FORM: Jar with two suspension holes (3.0 mm in diameter) on the rim (Figure 13)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip; lip notched

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 3.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 7.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.9

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three equally–spaced horizontal engraved lines. The vessel body has two upper and lower engraved concentric semi–circles comprised of six lines, one of which has spur marks on the outer concentric semi–circle. The lower two concentric semi–circles are connected by three horizontal engraved lines (Figure 13a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
Figure 13b. Engraved jar in Burial 5 in Mathews excavations at the Paul Mitchell site (41BW4): Burial 5 vessel drawings.
SITE NAME OR SITE NUMBER: Mitchell
VESSEL NO.: 341–421, Burial 5
VESSEL FORM: Jar
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Everted rim and rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 4.6 mm
INTERIOR SURFACE TREATMENT: smoothed on the rim
EXTERIOR SURFACE TREATMENT: smoothed on the body
HEIGHT (IN CM): 12.1
ORIFICE DIAMETER (IN CM): 11.5
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.1
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with single rows of tool punctations under the lip and at the rim–body juncture. Between these punctated rows are five alternating sets of large incised triangles filled with horizontal incised lines and single diagonal rows of tool punctations. On the margins of each of the triangle elements is a narrow diagonal incised zone filled with tool punctations (Figure 14; see also Figure 13b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware
SITE NAME OR SITE NUMBER: Mitchell

VESSEL NO.: 341–422, Burial 5

VESSEL FORM: Bottle with carinated body

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.4

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.7; maximum body diameter is 10.8 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.38

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 15; see also Figure 13b)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–423, Burial 6

VESSEL FORM: Bottle with a short neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: brown; fire clouds on the neck and body

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 22.5

ORIFICE DIAMETER (IN CM): 5.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.1; maximum body diameter is 15.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.43

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top and bottom of the vessel body are decorated with three equally–spaced horizontal engraved lines. Between these engraved lines are three slanting scroll motifs composed of narrow hatched zones that end in curvilinear hooked arm elements; there are open pendant triangle elements on the slanting and curvilinear scroll lines, and adjacent curvilinear scroll lines. Above and below the slanting scroll motifs are five rectangular engraved elements with narrow curvilinear and/or horizontal zones filled with hatched or cross–hatched lines, semi–circle, or circles with small inner circles (Figure 16a–b). In lieu of a rectangular element the upper scroll fill zone has two horizontal engraved lines that connect with one of the sets of curvilinear scroll lines.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Haley Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–425, Burial 8

VESSEL FORM: Jar with loop handles (25.5 x 8.4 mm in height and width) and four rim peaks (Figure 17a)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.5

ORIFICE DIAMETER (IN CM): 14.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with four horizontal rows of neck bands. The body of the vessel has a series of four triangular elements formed by three diagonal opposed rows of linear tool punctuations. The punctated triangle elements are situated on the body underneath the loop handles (Figure 17a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 17. Nash Neck Banded jar in Burial 8 in Mathews excavations at the Paul Mitchell site (41BW4): a, photograph.
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–426, Burial 8
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)

Figure 17b. Nash Neck Banded jar in Burial 8 in Mathews excavations at the Paul Mitchell site (41BW4): drawing of vessels in Burial 8.
INTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: dark brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 5.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 19.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 15.2; circular and rounded

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim panel has three equally–spaced horizontal engraved lines, while the lower part of the rim panel has three rows of linear excised tool punctations (Figure 18; see also Figure 17b).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware, cf. Barkman Engraved

Figure 18. cf. Barkman Engraved carinated bowl in Burial 8 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–427, Burial 9

VESSEL FORM: Bottle with a short neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and flat lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 6.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 20.0

ORIFICE DIAMETER (IN CM): 5.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3; maximum body diameter is 13.8 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three horizontal engraved lines. There are short diagonal engraved lines or spurs pendant from the bottom horizontal engraved line (Figures 19 and 20a).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware, cf. Hickory Engraved

Figure 19. cf. Hickory Engraved bottle in Burial 9 in Mathews excavations at the Paul Mitchell site (41BW4).

Figure 20. Engraved bottles from Burial 9 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–428, Burial 9
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: dark brown
EXTERIOR SURFACE COLOR: dark brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 4.9 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 21.0
ORIFICE DIAMETER (IN CM): 3.2
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0; maximum body diameter is 12.4 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.2; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has three horizontal engraved lines at the top and one horizontal engraved line at the bottom of the body. Between these lines are a series of seven vertical panels defined by two vertical engraved lines. Half of each panel has a series of three engraved diamond elements surrounded by cross–hatched engraved lines, and the other half has upper and lower curvilinear and bulbous–ended engraved zones. One of these engraved zones has a continuous series of linear excised punctations between and around them, but on the other six half panels the excised punctations are not continuous around the engraved zones (Figure 21; see also Figure 20b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 21. Engraved bottle in Burial 9 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–429, Burial 10
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: black
WALL THICKNESS (IN MM): rim, 5.1 mm
INTERIOR SURFACE TREATMENT: burnished
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 8.3
ORIFICE DIAMETER (IN CM): 15.3
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.2
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.8
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the rim has two horizontal engraved lines. The remainder of the rim is decorated with diagonal engraved lines, every third line of which has a double set of excised tick marks (Figure 22a–b).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 22. Engraved carinated bowl in Burial 10 in Mathews excavations at the Paul Mitchell site (41BW4): a, photograph.
Figure 22b. Engraved carinated bowl in Burial 10 in Mathews excavations at the Paul Mitchell site (41BW4): drawings of Burial 10 vessels.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–430, Burial 10

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim

WALL THICKNESS (IN MM): rim, 7.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.6

ORIFICE DIAMETER (IN CM): 12.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three horizontal engraved lines that are bisected by widely–spaced and finely–drawn diagonal engraved lines (Figure 23; see also Figure 22b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 23. Engraved carinated bowl in Burial 10 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–431, Burial 10

VESSEL FORM: Deep bowl with two opposed suspension holes (6.2 mm in diameter) at the rim (Figure 24)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and the base

WALL THICKNESS (IN MM): rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 12.7

ORIFICE DIAMETER (IN CM): 7.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are eight horizontal incised lines on the tall rim (Figure 24; see also Figure 22b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): East Incised
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–432, Burial 10

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 7.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.8

ORIFICE DIAMETER (IN CM): 14.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is decorated with a single row of tool punctations below the lip and a second tool punctated row at the rim–body juncture. The vessel body has six vertical columns with three elongated appliqued nodes per column (Figure 25; see also Figure 22b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–433, Burial 11

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.8

ORIFICE DIAMETER (IN CM): 10.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): the upper part of the vessel has three equally–spaced horizontal engraved lines with downward–pointing excised tick marks. The remainder of the vessel is divided into three panels by three sets of two vertical engraved lines; there are vertical excised rows of punctations between these vertical lines. One end of the panels themselves have three closely–spaced vertical engraved lines. Inside each panel is a horizontal and vertical scroll line with downward– or sideways–pointing excised tick marks. The bottom horizontal engraved line of each panel also has downward–pointing excised tick marks (Figure 26a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Glassell Engraved

Figure 26. Glassell Engraved bowl in Burial 11 in Mathews excavations at the Paul Mitchell site (41BW4): a, photograph; b, drawings of vessels from Burial 11 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–434, Burial 11

VESSEL FORM: Bi–lobed bottle (Figure 27; see also Figure 26b)

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouds on the body

WALL THICKNESS (IN MM): rim, 4.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.5

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.3; maximum body diameter of 6.4 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 3.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper lobe of the vessel body has five sets of engraved concentric semi–circles, two of which have a small central circle. These semi–circles are divided by upper sets of cross–hatched engraved triangle elements. The lower lobe of the vessel body is decorated with five sets of engraved concentric circles; one of these sets has excised tick marks on one concentric circle. These sets of concentric circles are divided by single vertical lines with upper and lower triangle elements. The upper triangle element encloses a negative oval outlined by cross–hatched engraved lines (Figure 27; see also Figure 26b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–435, Burial 11

VESSEL FORM: Carinated bowl, hubcap style (Figure 28)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted–direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 4.4

ORIFICE DIAMETER (IN CM): 8.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 3.7; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a single row of excised tool punctations below the vessel lip, and two horizontal engraved lines; the bottom horizontal engraved line has upward–pointing excised tick marks. The area between the horizontal engraved lines is divided into four open panels by sets of three connecting vertical engraved lines (Figure 28).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Simms Engraved

Figure 28. Simms Engraved carinated bowl in Burial 11 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–436, Burial 12
VESSEL FORM: Bottle with a carinated body
NON–PLASTICS AND PASTE: bone
RIM AND LIP FORM: Direct rim and a rounded, exterior folded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black; fire clouds on the neck
EXTERIOR SURFACE COLOR: black; fire clouds on the neck and body
WALL THICKNESS (IN MM): rim, 5.4 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 17.8
ORIFICE DIAMETER (IN CM): 4.4
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.3; maximum body diameter is 13.9 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.1; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.5
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body is encircled by two horizontal engraved lines. The bottom line is part of a narrow horizontal zone with five downward–pointing triangular elements with spur lines at their apex, and the zone is divided by five sets of closely–spaced vertical engraved lines (Figure 29a–b).
PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 29. Engraved bottle in Burial 12 in Mathews excavations at the Paul Mitchell site (41BW4): a, photograph; b, drawings of vessels from Burial 12 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–438, Burial 13

VESSEL FORM: Jar with four rim peaks (Figure 30a–b)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body

EXTERIOR SURFACE COLOR: reddish–brown to yellowish–brown; fire clouds on the rim, body, and base; organic residue on the body

WALL THICKNESS (IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed on the rim

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 11.4

ORIFICE DIAMETER (IN CM): 11.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is plain, except for a single row of tool punctations at the rim–body juncture. The vessel body is divided into four panels by four sets of two vertical appliqued ridges that extend from the rim–body juncture to near the vessel base. The panels are filled with nested incised triangle elements filled with horizontal or diagonal incised lines pitched in different directions (Figure 30a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Pease Brushed–Incised
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–439, Burial 13

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the neck and body

WALL THICKNESS (IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 9.4

ORIFICE DIAMETER (IN CM): 4.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.6; maximum body diameter of 6.3 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has a broad horizontal engraved panel that is filled with a continuous series of widely-spread vertical engraved lines (Figure 31; see also Figure 30b).

PIGMENT USE AND LOCATION ON VESSELS: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 31. Engraved bottle in Burial 13 in Mathews excavation at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–441, Burial 14

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown

EXTERIOR SURFACE COLOR: black; fire clouds on the neck and body

WALL THICKNESS (IN MM): rim, 4.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.0

ORIFICE DIAMETER (IN CM): 3.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.5; maximum body diameter is 13.5 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has three equally–spaced horizontal engraved lines as well as three sets of three vertical appliqued fillets. The vessel body has three sets of three vertical appliqued fillets as well as six equally–spaced large appliqued nodes. Between the appliqued fillets are three separate and large engraved bracket elements with short horizontal engraved lines and an upper circle element with an excised central dot. To either side of the brackets are two sets of closely–spaced curvilinear to near–vertical engraved lines, and the outer line has engraved spurs or tick marks (Figure 32a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–442, Burial 14
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and flat lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: black; fire clouds on the body
EXTERIOR SURFACE COLOR: brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 6.1 mm; body, 6.4 mm; base, 12.7 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 15.0
ORIFICE DIAMETER (IN CM): 29.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 27.0
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.5; circular and flat
ESTIMATED VOLUME (IN LITERS): 3.9
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim is decorated with three horizontal engraved lines, as well as an unknown series of horizontal and vertical scroll zones filled with excised tool punctations. There are concentric engraved semi–circles and a semi–circle comprised of linear excised punctations between the scroll zones (Figure 33; see also Figure 32b).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Barkman Engraved

Figure 33. Barkman Engraved carinated bowl in Burial 14 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–443, Burial 15
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: brown; fire clouds on the rim and body
EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base
WALL THICKNESS (IN MM): rim, 4.3 mm; body, 5.2 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 7.0
ORIFICE DIAMETER (IN CM): 19.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.0
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.8
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines. Below the bottom engraved line are a series of four engraved brackets filled with cross–hatched lines. Between the brackets are single narrow oval–shaped zones filled with short hatched lines as well as a single curvilinear engraved line on either side of the oval–shaped zone (Figure 34a–b).
PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines
TYPE AND VARIETY (IF KNOWN): Friendship Engraved
Figure 34. Friendship Engraved carinated bowl in Burial 15 in Mathews excavations at the Paul Mitchell site (41BW4): drawings of vessels from Burial 15 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–444, Burial 15

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body

EXTERIOR SURFACE COLOR: yellowish–brown

WALL THICKNESS (IN MM): rim, 4.9 mm; body, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 13.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.27

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The exterior vessel surface is decorated with four horizontal rows of circular–pointed appliqued nodes (ca. 7 mm in length on average) (Figure 35; see also Figure 34b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Moore Noded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–445, Burial 15

VESSEL FORM: Jar with four lug handles (Figure 36; see also Figure 34b)

NON–PLASTICS AND PASTE: gog

RIM AND LIP FORM: Everted rim and rounded, exterior folded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 6.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 17.0

ORIFICE DIAMETER (IN CM): 19.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 2.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has two horizontal rows of neck bands. The vessel body is divided into four panels by four vertical appliqued fillets. The body area between the fillets has vertical brushing marks that extend to within 4.0 cm of the vessel base (Figure 36; see also Figure 34b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–446, Burial 15

VESSEL FORM: Jar with four loop handles (29 x 10.3 mm in height and width) (Figure 37; see also Figure 34b)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 12.2

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three horizontal rows of neck banding between the four loop handles (Figure 37; see also Figure 34b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–447, Burial 15
VESSEL FORM: Bottle with a long neck
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR:
very dark grayish–brown
EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 5.1 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 25.6
ORIFICE DIAMETER (IN CM): 4.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.4; maximum body diameter is 15.8 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.9
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has two horizontal engraved lines and a narrow horizontal engraved zone with four downward–pointing triangular elements; below this is a single curvilinear line with four open triangular elements. The zone has sets of closely–spaced vertical engraved lines, while the triangular elements have hatched lines at their apex and a negative oval with a single spur element; the same narrow horizontal zone with triangular elements is at the base of the vessel body. The central part of the vessel body has four independent sets of concentric circles and curvilinear lines that end in hooked arm elements; the curvilinear and hooked arm lines have excised tick marks on them (Figure 38; see also Figure 34b).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–448, Burial 15
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Missing
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: dark grayish–brown
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): neck, 4.2 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 14.0+
ORIFICE DIAMETER (IN CM): 4.4
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.5; maximum body diameter is 11.5 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.4+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three horizontal engraved lines as well as four vertical sets of two rows of two appliqued nodes. The remainder of the vessel body is divided into four panels by engraved brackets with negative ovals, circles, rectangles and S–shaped elements outlined by excised areas; the negative S–shaped element is only present on one of the brackets. Between the brackets are engraved concentric semi–circles on either side of an enclosed small bracket, with extended open or excised arms, with a negative elongated oval–shaped element at its center outlined by excised areas (Figure 39; see also Figure 34b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–449, Burial 16

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
dark grayish–brown

EXTERIOR SURFACE COLOR:
dark grayish–brown; fire clouds on the rim and base

WALL THICKNESS (IN MM):
rim, 4.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.3

ORIFICE DIAMETER (IN CM): 15.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim is decorated with three equally–spaced horizontal engraved lines. The lower part of the rim has four narrow horizontal and vertical engraved scroll zones that are filled at one end with a row of excised tool punctations and the remainder are filled with either diagonal or diagonal opposed engraved lines (Figure 40).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–451, Burial 17

VESSEL FORM: Bottle with a carinated body and a flaring neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 18.0

ORIFICE DIAMETER (IN CM): 4.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.1; maximum body diameter is 13.0 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has four equally–spaced horizontal engraved lines divided by four sets of three vertical appliqued nodes. The lower part of the body has four panels divided by engraved brackets with upper triangle elements and a single lower horizontal engraved line. Between the brackets are single large ovals divided by a vertical engraved line (with an open triangle at its upper end) with two pendant concentric semi–circles (Figure 41).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–453, Burial 18

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM:
Inverted rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: reddish–brown

EXTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 5.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 8.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four large (27 mm in diameter and 25 mm in height) appliqued nodes with appliqued nodes on them. Between the large nodes, the vessel is covered with smaller appliqued nodes (ca. 5 mm in diameter) (Figure 42a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Moore Noded

Figure 42. Moore Noded bowl in Burial 18 in Mathews excavations at the Paul Mitchell site (41BW4): photograph.
Figure 42. Moore Noded bowl in Burial 18 in Mathews excavations at the Paul Mitchell site (41BW4): drawings of vessels from Burial 18 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–454, Burial 18

VESSEL FORM: Bottle with a tall neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown

EXTERIOR SURFACE COLOR: brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 4.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished on the neck, and smoothed on the body

HEIGHT (IN CM): 21.0

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.7; maximum body diameter is 12.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.75

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top and base of the vessel body, and there are four sets of two appliqued nodes between the top engraved lines. The remainder of the vessel body is divided into four panels by four sets of two vertical appliqued fillets, and the panels each have short curvilinear scrolls with hooked arm engraved elements. Above and below the scrolls are curvilinear zones with hatched corners and sets of vertical engraved lines (Figure 43; see also Figure 42b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–455, Burial 18
VESSEL FORM: Jar with four lug handles (Figure 44; see also Figure 42b)
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Everted rim and rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: brown; fire clouds on the rim, body, and base
EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base
WALL THICKNESS (IN MM): rim, 4.8 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed on the body
HEIGHT (IN CM): 10.2
ORIFICE DIAMETER (IN CM): 12.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.4
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.5; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.75
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three rows of tool punctations that simulate neck bands. The vessel body has four vertical rows of two circular appliqued nodes; these rows are situated under the lug handles. Between the vertical appliqued nodes are four vertical rows of vertically–oriented linear tool punctations (Figure 44; see also Figure 42b).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): cf. Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–456, Burial 19

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown

EXTERIOR SURFACE COLOR: brown; fire clouds on the neck, body, and base

WALL THICKNESS (IN MM):
rim, 4.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 15.0
ORIFICE DIAMETER (IN CM): 3.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.9
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has five sets of engraved vertical cross–hatched panels divided by sets of four vertical engraved lines. Two of the vertical engraved lines have downward–slanting linear tick marks (Figure 45a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Friendship Engraved

Figure 45. cf. Friendship Engraved bottle in Burial 19 in Mathews excavations at the Paul Mitchell site (41BW4): photograph.
Figure 45. cf. Friendship Engraved bottle in Burial 19 in Mathews excavations at the Paul Mitchell site (41BW4): drawings of vessels from Burial 19 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–457

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black; fire clouds on the neck

EXTERIOR SURFACE COLOR: black; fire clouds on the neck

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished on the body

HEIGHT (IN CM): 21.5

ORIFICE DIAMETER (IN CM): 4.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.4; maximum body diameter is 12.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has three horizontal engraved lines between four vertical sets of appliqued nodes: two vertical rows with three appliqued nodes each. The remainder of the vessel body is divided into four panels by engraved brackets with excised triangular and rectangular elements as well as horizontal hatched lines; the brackets are situated underneath the rows of appliqued nodes. In each panel are large oval–shaped engraved elements defined by two opposed curvilinear lines; the outer curvilinear engraved line has small open pendant triangles or slanting tick marks on it. The central part of the large oval–shaped area is a smaller oval with hatched outlines, hatched pendant triangles and a central horizontal bracket element with several short vertical hatched lines (Figure 46; see also Figure 45b).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved

Figure 46. Hatchel Engraved bottle in Burial 19 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–458, Burial 19

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the lower body

HEIGHT (IN CM): 15.2

ORIFICE DIAMETER (IN CM): 15.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with horizontal brushing marks, and there are also three rows of tool punctations on the rim. The upper two rows (beneath the lip and mid–rim) have been pushed through the brushing, while the third row of punctations is at the rim–body juncture. The vessel body has diagonal brushing marks that extend to within 4.5 cm of the base (Figure 47; see also Figure 45b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unknown utility ware, possibly Bullard Brushed
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–459, Burial 20

VESSEL FORM: Jar with four strap handles (23 x 15 mm in height and width) (Figure 48a–b)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 6.6

ORIFICE DIAMETER (IN CM): 10.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel has three rows of neck bands, while the strap handles are decorated with two columns of two appliqued nodes. The vessel body has four sets of curvilinear appliqued ridge zones filled with small appliqued nodes. The appliqued ridge zones are filled with either six nodes (in two horizontal rows); nine nodes (in three rows); 10 nodes (in three rows); and 11 nodes (in three rows) (Figure 48a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–460, Burial 20

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim, body, and base

EXTERIOR SURFACE COLOR: brown; fire clouds on the rim and base

WALL THICKNESS (IN MM):
rim, 5.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.2

ORIFICE DIAMETER (IN CM): 15.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has three horizontal engraved lines. The lowermost horizontal engraved line is part of a narrow horizontal engraved zone with four vertical cross–hatched brackets. In the areas of the narrow zone between the brackets are two sets of vertical engraved lines. Between the brackets themselves are four separate large semi–circles with a single centrally–placed bracket element. Two of these brackets are filled with hatched diagonal engraved lines and the other two are filled with cross–hatched lines; three of the brackets also have curvilinear hatched corners (Figure 49; see also Figure 48b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Hatchel Engraved

Figure 49. cf. Hatchel Engraved carinated bowl in Burial 20 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 341–462, Burial 21
VESSEL FORM: Jar
NON–PLASTICS AND PASTE: grog and bone
RIM AND LIP FORM: Everted rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the body
EXTERIOR SURFACE COLOR: light yellowish–brown; fire clouds on the rim, body, and base
WALL THICKNESS (IN MM): rim, 6.4 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: none
HEIGHT (IN CM): 15.2
ORIFICE DIAMETER (IN CM): 14.6
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.2
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.2; circular and flat
ESTIMATED VOLUME (IN LITERS): 1.3
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): the vessel rim is decorated with horizontal brushing marks, a row of tool punctations beneath the lip, and a second tool punctated row at the rim–body juncture. The vessel body is divided into narrow panels by 16 sets of vertical appliqued fillets that extend to the vessel base. The panels themselves have vertical brushing marks (Figure 50a–b).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Pease Brushed–Incised

Figure 50. Pease Brushed–Incised jar in Burial 21 in Mathews excavations at the Paul Mitchell site (41BW4): photograph.
Figure 50. Pease Brushed–Incised jar in Burial 21 in Mathews excavations at the Paul Mitchell site (41BW4): drawings of vessels from Burial 21 excavated by Mathews.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–463, Burial 21

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the neck and body

WALL THICKNESS (IN MM): rim, 4.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished on the neck and smoothed on the body

HEIGHT (IN CM): 19.8

ORIFICE DIAMETER (IN CM): 3.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.8; maximum body diameter is 13.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top and bottom of the vessel body has three horizontal engraved lines, with a series of eight engraved pendant triangles along the lowermost horizontal line at the top of the vessel body. These engraved pendant triangles alternate between open triangles and those that have hatched corners. The uppermost horizontal engraved line at the bottom of the vessel body has eight large pendant triangles, and these have tick marks along the sides of the triangle element, and there are smaller triangles within the larger pendant triangles; these alternate between being open or having hatched corners. Between these upper and lower series of engraved pendant triangles are two meandering scroll engraved lines and a narrow meandering scroll zone filled with hatched lines (Figure 51; see also Figure 50b).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 51. Engraved bottle in Burial 21 in Mathews excavations at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 341–464, Burial 21

VESSEL FORM: Bottle with a short /tapered neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown

EXTerior SURFACE COLOR: brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: none

EXTerior SURFACE TREATMENT: burnished

HEIGHT (IN CM): 16.2

ORIFICE DIAMETER (IN CM): 3.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.3; maximum body diameter is 11.4 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper vessel body is decorated with two horizontal engraved lines (Figure 52; see also Figure 50b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hickory Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: Martin #2
VESSEL FORM: Jar with a tall rim
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR:
very dark grayish–brown
EXTERIOR SURFACE COLOR:
very dark grayish–brown
WALL THICKNESS (IN MM): rim, 4.1 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 17.8
ORIFICE DIAMETER (IN CM): 10.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.0
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and rounded
ESTIMATED VOLUME (IN LITERS): 1.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are three horizontal engraved lines at the top of the vessel rim and two horizontal engraved lines at the bottom of the rim. Between them are six panels with three distinct sets of engraved elements. The first set of panels are marked by a large appliqued node at the top of the panel (these large appliqued nodes have drilled holes, 2.8 mm in diameter, in them), vertical engraved lines with outward–pointing excised tick marks, and sets of concentric semi–circles with an inner excised vertical line. The second set of panels have multiple and closely–spaced vertical engraved lines on either side of the panel, with concentric semi–circles and a single triangular element between the vertical lines; the triangle element and one of the semi–circular engraved lines have outward–pointing excised tick marks. The last set of rim panels is defined by multiple and closely–spaced vertical (one line has outward–pointing excised tick marks) and curvilinear engraved lines, and between these lines are concentric semi–circles and triangle elements in alternate directions from those in the second panel. The triangle element and one of the concentric semi–circles have excised tick marks on them (Figure 53).
The vessel body is decorated with an engraved continuous curvilinear scroll and circle motif repeated four times around the vessel. The central circle element has been divided into four quadrants with hatched lines pitched in opposite directions; one of the central circles also has excised tick marks. The upper and lower triangular–shaped scroll fill zones are filled with horizontal, diagonal, and curvilinear engraved lines around a series of two or three oval eye or tear–drop decorative elements in each scroll fill zone. The outer engraved line of the scroll fill zone has outward–pointing excised tick marks (Figure 53).

PIGMENT USE AND LOCATION ON VESSEL: red or white pigment in engraved lines on the rim; white pigment in engraved lines on the vessel body

TYPE AND VARIETY (IF KNOWN): Haley Engraved (see Suhm and Jelks 1962:Plate 31f)
The TARL collection of ceramic vessels from 1938–1939 WPA burial features at the Paul Mitchell site numbers 97 individual vessels. These are from 30 of the 57 excavated burials in the cemetery (see Table 2).

SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–35, Burial 3

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 5.0 mm; body, 4.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 18.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim has three equally–spaced horizontal engraved lines. Below these lines is a single row of excised tool punctations. The bottom part of the rim has rectangular zones with a single horizontal engraved line within the zone, above a single row of excised tool punctations immediately above the vessel carination (Figure 54).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved

Figure 54. Barkman Engraved carinated bowl in Burial 3 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–36, Burial 3

VESSEL FORM: Bowl with four lip tabs (Figure 55)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown; fire clouds on the body and base

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished on the rim

HEIGHT (IN CM): 5.2

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.24

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel has two horizontal engraved lines above four rectangular engraved elements. The rectangular lines of the rectangular engraved element have closely–spaced excised tick marks. Within the rectangles are a single horizontal row of excised linear tool punctations (Figure 55).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–37, Burial 3

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark brown

WALL THICKNESS (IN MM):
rim, 5.0 mm; body, 5.4 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): N/A;
rim height is 3.7 cm

ORIFICE DIAMETER (IN CM): 18.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: N/A

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the rim has three equally–spaced horizontal engraved lines. These are above an unknown series of engraved rectangular panels. Within the panels are opposed horizontally–oriented triangle elements with a smaller inner open triangle that are outlined by a continuous series of vertical engraved lines on either side of the triangle elements (Figure 56).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–38, Burial 4

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.5

ORIFICE DIAMETER (IN CM): 9.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel’s exterior surface is decorated with three horizontal rows of appliqued nodes (Figure 57).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Moore Noded

Figure 57. Moore Noded bowl in Burial 4 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–39, Burial 12

VESSEL FORM: Bottle with a tapered neck

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
  dark grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the neck and body

WALL THICKNESS (IN MM): neck, 5.3 mm; body, 4.6 mm; base, 7.3 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.0

ORIFICE DIAMETER (IN CM): 3.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.4; maximum body diameter is 8.9 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.23

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body is decorated with three horizontal engraved lines between four sets of two columns with three vertical appliqued node. The remainder of the vessel body has seven vertical engraved lines that alternate with seven very narrow vertical engraved zones filled with diagonal hatched lines (Figure 58).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): cf. Glassell Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSLE NO.: 6–2–40, Burial 12

VESSLE FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim and bowl

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 3.7

ORIFICE DIAMETER (IN CM): 8.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has three equally–spaced horizontal engraved lines above a series of seven horizontal triangle elements. Each of the triangle elements has one or more horizontal hatched line within them (Figure 59).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–41, Burial 12
VESSEL FORM: Bowl
NON–PLASTICS AND PASTE: grog and bone
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: A (fired and cooled in an oxidizing environment)
INTERIOR SURFACE COLOR:
reddish–brown; fire clouds on the rim
EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim
WALL THICKNESS (IN MM): rim, 5.4 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: none
HEIGHT (IN CM): 4.5
ORIFICE DIAMETER (IN CM): 9.5
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.6; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.2
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are four panels on the rim defined by vertical columns of three rows of five appliqued nodes per row. The panels themselves are filled by diagonal opposed incised lines divided by a single vertical incised line that bisects the panels (Figure 60).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): cf. Pease Brushed–Incised

Figure 60. cf. Pease Brushed–Incised bowl in Burial 12 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–43, Burial 12
VESSEL FORM: Compound bowl with two opposed suspension holes (3.1 mm in diameter) (Figure 61)
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base
WALL THICKNESS (IN MM): rim, 5.8 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 13.6
ORIFICE DIAMETER (IN CM): 10.2
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.3
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat
ESTIMATED VOLUME (IN LITERS): 1.1
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper rim panel is decorated with two horizontal engraved lines, a series of seven tear drop–shaped elements filled with either hatched or cross–hatched lines and an open circle, and three more horizontal engraved lines. The lower rim panel has a series of five engraved concentric semi–circles with hatched lines pendant from the outer semi–circle. The inner semi–circle has two hatched pendant triangles (Figure 61).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): cf. Bowie/Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–44, Burial 12

VESSEL FORM: Jar with four rim peaks and four loop handles (43 x 7 mm in height and width) (Figure 62)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 7.7

ORIFICE DIAMETER (IN CM): 8.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with six horizontal rows of neck bands. Each of the loop handles has been decorated with three or four appliqued nodes (Figure 62).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–45, Burial 12

VESSEL FORM: Jar with four rim peaks and two loop handles
(25 x 13 mm in height and width) (Figure 63)

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 9.4

ORIFICE DIAMETER (IN CM): 12.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel is decorated with three horizontal rows of neck bands and two vertical columns of three appliqued nodes. The appliqued node columns alternate with the loop handles around the vessel (Figure 63).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 63. Nash Neck Banded jar in Burial 12 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–48, Burial 17

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black; fire clouds on the rim

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the
rim, body, and base

WALL THICKNESS (IN MM): rim,
6.2 mm; body, 6.6 mm; base, 11.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished on the body

HEIGHT (IN CM): 12.0+

ORIFICE DIAMETER (IN CM): 27.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 26.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.9+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim
has two horizontal engraved lines above curvilinear and semi–circular engraved zones filled with excised tool
punctations (Figure 64).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–49, Burial 17

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 7.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.5

ORIFICE DIAMETER (IN CM): 15.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 2.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three horizontal rows of neck bands as well as four columns of three appliqued nodes. On the vessel body are four vertical rows of five appliqued nodes; they do not line up with the appliqued columns on the rim (Figure 65).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 65. Nash Neck Banded jar in Burial 17 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–50, Burial 19
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: black; fire clouds on the neck
WALL THICKNESS (IN MM): rim, 4.8 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 13.5
ORIFICE DIAMETER (IN CM): 2.7
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.5; maximum body diameter is 8.5 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.5; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has three upper and two lower horizontal engraved lines, while between the engraved lines is an engraved motif repeated four times around the body. The central part of the motif is an engraved circle bisected by a vertical bracket element with upper and lower opposed and hatched triangles. The engraved circles are divided by four sets of large vertical brackets, and these brackets also have upper and lower opposed and hatched triangle elements (Figure 66).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved (see Suhm and Jelks 1962:Plate 34e)
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–51, Burial 19
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 4.2 mm

INTERIOR SURFACE
TREATMENT: burnished

EXTERIOR SURFACE
TREATMENT: burnished

HEIGHT (IN CM): 6.5

ORIFICE DIAMETER (IN CM): 19.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.75

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three equally–spaced horizontal engraved lines as well as eight elongated and hatched zones and eye–shaped elements with the “eye” at the end of the hatched zone. There is also a single horizontal engraved line on the interior vessel surface at the carination (Figure 67).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–52, Burial 19

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouds on the body

WALL THICKNESS (IN MM): rim, 4.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 18.5

ORIFICE DIAMETER (IN CM): 4.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3; maximum body diameter is 12.3 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.44

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has two horizontal engraved lines. The remainder of the body is divided into three panels by large vertical brackets with two negative ovals at the top of the brackets that are outlined by sets of hatched triangle elements. The panels themselves have two large engraved concentric circles, with the innermost circle bisected by a vertical bracket with a negative oval at the top that is outlined by a series of four hatched triangle elements. The innermost engraved circle also has two or three concentric semi–circles on either side of the inner vertical bracket (Figure 68).

PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved (see Suhm and Jelks 1962:Plate 34d)
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–53, Burial 19

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE
COLOR: dark grayish–brown

EXTERIOR SURFACE
COLOR: brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 5.5 mm

INTERIOR SURFACE
TREATMENT: burnished on the rim

EXTERIOR SURFACE
TREATMENT: burnished

HEIGHT (IN CM): 17.8

ORIFICE DIAMETER (IN CM): 32.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 32.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 5.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top part of the rim has three horizontal engraved lines. Below this are four horizontal and vertical scroll zones that are filled with linear excised tool punctations (Figure 69).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Barkman Engraved

Figure 69. Barkman Engraved carinated bowl in Burial 19 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–54, Burial 19

VESSEL FORM: Jar with four rim peaks (Figure 70)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 5.8 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 14.7

ORIFICE DIAMETER (IN CM):
14.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three rows of neck bands, and there is a vertical appliqued ridge on the rim under each of the four rim peaks. The vessel body has four vertical rows of three appliqued nodes as well as a single row of tool punctations at the mid–body of the vessel (Figure 70).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–59, Burial 13

VESSEL FORM: Jar (lower body section)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Missing

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM):
  body, 5.2 mm; base, 8.6 mm

INTERIOR SURFACE
  TREATMENT: smoothed

EXTERIOR SURFACE
  TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 71)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified ware
Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4)

SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–60, Burial 28
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim
EXTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 4.6 mm
INTERIOR SURFACE
TREATMENT: smoothed
EXTERIOR SURFACE
TREATMENT: burnished
HEIGHT (IN CM): 7.0
ORIFICE DIAMETER (IN CM): 19.1
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.9
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.4; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.8
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim has three horizontal engraved lines. Below these lines are a series in one horizontal row of 11 tear drop–shaped engraved elements that are filled with horizontal hatched lines (Figure 72).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Bowie Engraved

Figure 72. Bowie Engraved carinated bowl in Burial 28 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–61, Burial 28

VESSEL FORM: Neckless Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): body, 7.1 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 5.4

ORIFICE DIAMETER (IN CM): 2.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A; maximum body diameter is 6.1 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are a continuous series of diagonal engraved lines on the vessel body, and there is a single horizontal engraved line at the bottom of the vessel body (Figure 73).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 73. Engraved neckless bottle in Burial 28 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–62, Burial 28

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 4.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 12.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.1

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): the rim has two rims of horizontal neck bands (Figure 74).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 74. Nash Neck Banded jar in Burial 28 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–63, Burial 28

VESSEL FORM: Jar with four rim peaks (Figure 75)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 11.4

ORIFICE DIAMETER (IN CM): 10.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with four horizontal rows of neck bands as well as four vertical appliqued ridges/nodes beneath each of the rim peaks. The vessel body has four sets of vertical rows of two appliqued nodes each (Figure 75).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 75. Nash Neck Banded jar in Burial 28 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–64, Burial 28

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 4.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.0

ORIFICE DIAMETER (IN CM): 19.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines. Below these lines are six sets of narrow engraved horizontal and vertical scroll zones filled with crescent–shaped excised punctations (Figure 76).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–66, Burial 29

VESSEL FORM: Jar with four strap handles (25 x 14 mm in height and width) and four lip tabs (each with two “ears”) (Figure 77)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 4.3 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 8.9

ORIFICE DIAMETER (IN CM): 7.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 3.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three closely–spaced rows of fingernail punctations that simulate neck bands. There are also four vertical rows of two appliqued nodes on the rim underneath the strap handles (Figure 77).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–67, Burial 29

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: light brown

EXTERIOR SURFACE COLOR: light brown; fire clouds on the neck and body

WALL THICKNESS (IN MM): rim, 3.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 11.4

ORIFICE DIAMETER (IN CM): 3.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.6; maximum body diameter is 7.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 78)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

Figure 78. Plain bottle in Burial 29 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–68, Burial 29
VESSEL FORM: Jar
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: black
WALL THICKNESS (IN MM): rim, 4.1 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: none
HEIGHT (IN CM): 10.0
ORIFICE DIAMETER (IN CM): 9.4
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.1
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.2; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a single horizontal line and the top appliqued node in a set of four vertical columns of appliqued nodes that continue onto the vessel body. Between the appliqued node columns on the vessel body are two sets of three vertical incised lines, with a single row of vertical tool punctations between the sets of incised lines (Figure 79).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–69, Burial 29
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body
WALL THICKNESS (IN MM): rim, 4.8 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 7.0
ORIFICE DIAMETER (IN CM): 17.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.7
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.6; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.75
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim has two equally–spaced horizontal engraved lines. These lines are above four sets of engraved rectangular excised zones on the rim. Within these zones is a single horizontal and vertical engraved line and a smaller rectangular excised zone (Figure 80).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–70

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouds on the base

WALL THICKNESS (IN MM):
rim, 4.7 mm

INTERIOR SURFACE TREATMENT:
smoothed

EXTERIOR SURFACE TREATMENT:
smoothed on the body

HEIGHT (IN CM): 8.8

ORIFICE DIAMETER (IN CM): 8.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.45

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four horizontal rows of neck bands. The vessel body is decorated with vertical rows of three appliqued nodes that extend to near the vessel base (Figure 81).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 81. Nash Neck Banded jar in Burial 29 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–73, Burial 30
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct
rim and rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the neck
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the neck, body, and base
WALL THICKNESS (IN MM): rim, 3.5 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 16.5+
ORIFICE DIAMETER (IN CM): 3.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.9; maximum body diameter is 12.3 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.0; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.5+
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has four horizontal engraved lines between four vertical sets of two appliqued nodes. The remainder of the vessel body is divided into four panels by engraved brackets with excised or hatched areas and negative SZ elements at the top part of the brackets. Between the brackets in the panels are three engraved ovals; the middle oval lines have diagonal linear tick marks. The central oval is bisected by two vertical rows of six appliqued nodes (Figure 82).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Hatchel Engraved (see Suhm and Jelks 1962:Plate 34f)
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–74, Burial 30

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
black

EXTERIOR SURFACE COLOR: dark brown

WALL THICKNESS (IN MM):
rim, 5.1 mm

INTERIOR SURFACE TREATMENT: burnished on the rim and smoothed on the body

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 5.8

ORIFICE DIAMETER (IN CM): 17.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 17.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.7; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has three horizontal engraved lines. The line are above 16 upper and lower sets of engraved triangles whose apexes touch. The engraved triangles are filled with diagonal hatched lines (Figure 83).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Bowie Engraved

Figure 83. Bowie Engraved carinated bowl in Burial 30 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–75, Burial 30

VESSEL FORM: Jar with four lip tabs (Figure 84)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 5.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 11.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three horizontal rows of neck bands between four columns of two appliqued nodes; the appliqued nodes are underneath the rim peaks. The vessel body has four vertical rows of two appliqued nodes, and these are also underneath the appliqued nodes on the rim (Figure 84).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–77, Burial 12

VESSEL FORM: Jar with rim peaks and four loop handles (20.6 x 9.3 mm in height and width) (Figure 85)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 3.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 6.7

ORIFICE DIAMETER (IN CM): 8.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 85)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

Figure 85. Plain jar in Burial 12 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–78, Burial 31

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: black; fire clouds on the body

WALL THICKNESS (IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 13.0

ORIFICE DIAMETER (IN CM): 3.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.1; maximum body diameter is 8.5 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 86)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–79, Burial 28

VESSEL FORM: Jar with four rim peaks (Figure 87)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (IN MM):
  rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 5.7

ORIFICE DIAMETER (IN CM): 9.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 8.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 3.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with three horizontal rows of tool punctations (Figure 87).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

Figure 87. Punctated jar in Burial 28 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–80, Burial 31

VESSEL FORM: Jar with four loop handles (24.3 x 10.2 mm in height and width) (Figure 88)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 13.5

ORIFICE DIAMETER (IN CM): 9.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is plain, but the loop handles each have a series of short incised lines on their exterior surfaces. The vessel body is divided into 12 panels by vertical appliqued ridges. The panels are filled with vertical brushing marks (Figure 88).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Pease Brushed–Incised

Figure 88. Pease Brushed–Incised jar in Burial 31 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–81, Burial 31

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: red;
fire clouds on the base

EXTERIOR SURFACE COLOR: red;
fire clouds or use wear on the base

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT:
smoothed

EXTERIOR SURFACE TREATMENT:
smoothed

HEIGHT (IN CM): 6.8

ORIFICE DIAMETER (IN CM): 8.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.25

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The interior and exterior vessel surfaces have a red slip. The exterior vessel surface has two stacked sets of three open rectangular elements (Figure 89).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Barkman Engraved

Figure 89. cf. Barkman Engraved bowl in Burial 31 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–82, Burial 32

VESSEL FORM: Carinated bowl with a short rim panel (Figure 90)

NON-PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red; fire clouds on the base

WALL THICKNESS (IN MM):
rim, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.3

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The interior and exterior vessel surfaces have a red slip. On the exterior surface, the rim is a narrow panel defined by single upper and lower horizontal engraved lines. Within the panel are 14 equally–spaced excised brackets; the remainder of the panel is plain (Figure 90).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Simms Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–83, Burial 32

VESSEL FORM: Carinated bowl with four lip tabs (Figure 91)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded, exterior folded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the base

WALL THICKNESS (IN MM):
rim, 3.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 3.7

ORIFICE DIAMETER (IN CM): 10.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.5; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is divided into four panels by vertical excised brackets. Each panel has upper and lower scroll fill zones, on either side of a negative or open slanting scroll, with three sets of short vertical engraved lines (Figure 91).

PIGMENT USE AND LOCATION ON VESSEL: red clay pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): cf. Simms Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–84, Burial 32
VESSEL FORM: Bottle with a carinated body
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and a rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: yellowish–brown
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base
WALL THICKNESS (IN MM): rim, 5.9 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: none
HEIGHT (IN CM): 10.6
ORIFICE DIAMETER (IN CM): 2.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.1; maximum body diameter is 9.4 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel is decorated with an idiosyncratic combination of circular and triangular elements: two oval elements filled with cross–hatched lines, and one oval has a series of attached diagonal and vertical engraved lines; a triangle element filled with cross–hatched lines; a circle with linear spur marks and an open pendant triangle; and a semi–circle with linear spur marks (Figure 92).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–85, Burial 32

VESSEL FORM: Jar with four rim peaks (Figure 93)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
yellowish–brown; fire clouds
on the rim, body, and base

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds
on the body and base

WALL THICKNESS (IN MM):
rim, 5.4 mm

INTERIOR SURFACE
TREATMENT: smoothed

EXTERIOR SURFACE
TREATMENT: smoothed on the body

HEIGHT (IN CM): 7.6

ORIFICE DIAMETER (IN CM): 11.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three horizontal rows of neck bands, as well as four vertical appliqued ridges on the rim beneath the rim peaks (Figure 93).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 93. Nash Neck Banded jar in Burial 32 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–88, Burial 35

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 18.5

ORIFICE DIAMETER (IN CM): 4.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.9; maximum body diameter is 12.6 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top of the vessel body, and the remainder of the body is divided into four panels by four large brackets filled with diagonal and zig–zag engraved lines. The panels themselves each have three engraved concentric ovals that are bisected by a single vertical engraved line. The innermost concentric oval has two sets of opposed semi–circles, and there are two curvilinear engraved lines opposite the left side of the concentric ovals; there are no such lines on the right side of the ovals (Figure 94).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–91, Burial 36

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the base

EXTERIOR SURFACE COLOR: brown; fire clouds on the rim, body, and base

WALL THICKNESS
(IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 18.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has three horizontal engraved lines. The remainder of the rim has seven engraved elements: a narrow and elongated excised rectangle, with an eye–shaped circle at one end (see Suhm and Jelks 1962:Plate 9f). The circle element has excised tick marks around its radius (Figure 95).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–92, Burial 36

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body

WALL THICKNESS (IN MM): rim, 5.8 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 13.4

ORIFICE DIAMETER (IN CM): 4.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.8; maximum body diameter is 9.4 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top of the vessel body has two horizontal engraved lines as well as four sets of two vertical appliqued nodes. The remainder of the vessel body has four sets of two engraved semi–circles bisected by a vertical zone or column filled with diagonal hatched lines. To either side of the sets of semi–circle elements are vertical zones or columns filled with diagonal lines or diagonal opposed engraved lines (Figure 96).

PIGMENT USE AND LOCATION ON VESSEL: red clay pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–94, Burial 36

VESSEL FORM: Jar with four loop handles (23 x 14 mm in height and width); the loop handles have two small lip tabs (or “ears”) on the lip above the handles (Figure 97)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 13.3

ORIFICE DIAMETER (IN CM): 13.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and rounded

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three equally–spaced horizontal incised lines. The vessel body is decorated with four curvilinear appliqued zones filled with rows of small appliqued nodes. The appliqued zones are pendant from the rim–body juncture (Figure 97).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

Figure 97. Incised–appliqued jar in Burial 36 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–95, Burial 36

VESSEL FORM: Carinated bowl with two lip tabs

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted–direct rim, exterior thickened, and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.0

ORIFICE DIAMETER (IN CM): 18.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.9

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has an unknown series of engraved rectangular elements, including four elements filled with hatched lines, divided by two sets of closely–spaced vertical engraved lines (Figure 98).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 98. Engraved carinated bowl in Burial 36 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–96, Burial 36

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE
COLOR: brown; fire clouds on the body and base

EXTERIOR SURFACE
COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 4.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.7

ORIFICE DIAMETER (IN CM): 8.4

 DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.16

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has four large appliqued nodes (33 mm in diameter) surrounded by smaller appliqued nodes that cover the exterior vessel surface (Figure 99).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Moore Noded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–97, Burial 36

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: red

EXTERIOR SURFACE COLOR: red; fire clouds on the base

WALL THICKNESS (IN MM):
rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.5

ORIFICE DIAMETER (IN CM): 9.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.24

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The interior and exterior vessel surfaces have an applied red slip (Figure 100).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): unidentified fine ware; cf. Sanders Slipped

Figure 100. Red–slipped bowl in Burial 36 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–100, Burial 37

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Everted rim and rounded, exterior folded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouds on the rim

WALL THICKNESS (IN MM): rim, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 10.0

ORIFICE DIAMETER (IN CM): 11.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four horizontal rows of neck bands between four sets of two vertical appliqued nodes. There are four vertical appliqued ridges on the vessel body; two are placed beneath two of the rows of appliqued nodes on the rim, and the other two appliqued ridges are placed between the appliqued nodes on the rim (Figure 101).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–101, Burial 37

VESSEL FORM: Jar (see Suhm and Jelks 1962:Plate 75j) (Figure 102)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Missing

CORE COLOR: H (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: very dark grayish–brown

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished on the body

HEIGHT (IN CM): 9.4+

ORIFICE DIAMETER (IN CM): 9.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top of the vessel body and a single horizontal engraved line above the vessel body. Between these lines are four separate curvilinear engraved motifs that end in a hooked arm element; two of the hooked arm engraved lines have excised tick marks. The engraved motifs are divided by large upper pendant triangles with two hatched corners (Figure 102).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Taylor Engraved

Figure 102. Taylor Engraved jar in Burial 37 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–102, Burial 37

VESSEL FORM: Effigy bowl, but missing the effigy head, with a tab tail

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: dark grayish–brown

EXTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the rim

WALL THICKNESS (IN MM): rim, 4.1 mm; body, 7.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 7.6

ORIFICE DIAMETER (IN CM): 10.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the upper part of the vessel, as well as a series of engraved pendant triangles filled with hatched lines. There is also one large appliqued node (22 mm in diameter) to one side of the tab tail.

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–103, Burial 38
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: dark yellowish–brown
EXTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the body and base
WALL THICKNESS (IN MM): rim, 4.7 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 15.2
ORIFICE DIAMETER (IN CM): 3.3
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 3.4; maximum body diameter is 9.9 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.8; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.5
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has four horizontal engraved lines between four sets of two vertical and elongated appliqued nodes. The remainder of the vessel body is divided into four panels by engraved brackets; these brackets have an inner and smaller bracket with hatched lines and spur elements. Between the brackets are engraved semi–circles (n=4) with a central bracket element with hatched lines at the upper and lower corners and four or five semi–circular engraved lines on either side of the brackets.
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–104, Burial 41

VESSEL FORM: Jar with a short rim

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 4.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 8.3

ORIFICE DIAMETER (IN CM): 7.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 3.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel row has a single row of tool punctations at the rim–body juncture. The vessel body is decorated with six alternating vertical appliqued ridges or appliqued fillets (Figure 103).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Emory Punctated–Incised
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–105, Burial 41

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted–direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown

WALL THICKNESS (IN MM): rim, 5.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.1

ORIFICE DIAMETER (IN CM): 11.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.9

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.3; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a horizontal panel defined by single upper and lower horizontal engraved lines. In the panel are four excised brackets that have divided up repeating sets of single or vertical diagonal lines, excised pendant triangle elements, hatched triangles, and open triangle elements (Figure 104).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Simms Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–106, Burial 42
VESSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: very dark grayish–brown
EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 4.5 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 16.5
ORIFICE DIAMETER (IN CM): 3.2
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.4; maximum body diameter is 9.5 cm
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.7; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.4
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two closely–spaced horizontal engraved lines at the top and bottom of the vessel body. Between these lines are six centrally–placed circle elements with one or two curvilinear scroll lines on either side of the circles. The upper curvilinear scroll line has five attached sets of short vertical lines, while the lower curvilinear scroll line has six attached sets of short vertical lines.
PIGMENT USE AND LOCATION ON VESSEL: red pigment in the engraved lines
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–107, Burial 42
VESSEL FORM: Carinated bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: very dark grayish–brown
EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base
WALL THICKNESS (IN MM): rim, 5.1 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 5.1
ORIFICE DIAMETER (IN CM): 11.5
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.5
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.4
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines. Pendant from the bottom engraved line are seven sets of triangular elements containing well-spaced sets of three curvilinear or triangular lines (Figure 105).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): cf. Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–108, Burial 42

VESSEL FORM: Jar with two loop handles (23 x 8 mm in height and width) and four rim peaks (Figure 106)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 9.5

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel has two horizontal rows of neck bands as well as a single row of tool punctations underneath the vessel lip. The loop handles each have three appliqued nodes on them (Figure 106).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–109, Burial 42

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
very dark grayish–brown; fire clouds on the rim and base

WALL THICKNESS (IN MM):
rim, 6.0 mm

INTERIOR SURFACE TREATMENT: burnished

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 14.1

ORIFICE DIAMETER (IN CM): 24.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 24.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and flat

ESTIMATED VOLUME (IN LITERS): 3.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim has a single horizontal engraved line beneath the lip and two horizontal engraved zones filled with one or two rows of excised tool punctations. The two horizontal engraved zones are connected by four vertical bracket elements that are filled with excised tool punctations (Figure 107).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–110, Burial 42

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
brown; fire clouds on the rim

EXTERIOR SURFACE COLOR:
reddish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 6.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished on the rim

HEIGHT (IN CM): 9.4

ORIFICE DIAMETER (IN CM): 21.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 1.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has three equally–spaced horizontal engraved lines. Beneath the lines are 24 chevron–shaped engraved elements; every other chevron–shaped element in the set is a narrow hatched zone, while the others are simple line elements (Figure 108).

PIGMENT USE AND LOCATION ON VESSEL: white clay pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Bowie Engraved (see Suhm and Jelks 1962:Plate 9a)
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–111, Burial 42

VESSEL FORM: Deep bowl with two opposed suspension holes (1.3 mm in diameter) (Figure 109)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 12.7

ORIFICE DIAMETER (IN CM): 7.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with two horizontal engraved lines above eight sets of two cross–hatched lines that form upper and lower triangular elements. The vessel body has four panels formed by vertical brackets with hatched corners and upper and lower horizontal zones with diagonal and diagonal opposed engraved lines. The panels themselves have only a single open vertical bracket (Figure 109).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 109. Engraved deep bowl in Burial 42 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–112, Burial 42

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Everted rim and rounded, exterior folded, lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.7 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 11.7

ORIFICE DIAMETER (IN CM): 16.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.6

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim is decorated with 12 large incised triangles filled with diagonal brushing marks; the brushing marks are in opposed directions from triangle to triangle. The vessel body is decorated with 10 large incised triangles filled with diagonal brushing marks that are pitched in opposing directions from triangle to triangle (Figure 110).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Pease Brushed–Incised

Figure 110. cf. Pease Brushed–Incised jar in Burial 42 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–113, Burial 43

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: black; smudged and sooted

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.9

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.8; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel’s exterior surface has four large appliqued nodes (27 mm in diameter), with smaller appliqued nodes on them, that are surrounded by smaller appliqued nodes over the entire vessel surface (Figure 111a–b).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Moore Noded

Figure 111. Moore Noded bowl in Burial 43 at the Paul Mitchell site: a, side view; b, top down view.
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–114, Burial 43

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
very dark grayish–brown;
fire clouds on the body and base

WALL THICKNESS (IN MM):
rim, 6.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed on the body

HEIGHT (IN CM): 12.3

ORIFICE DIAMETER (IN CM): 11.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.1

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.6; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.85

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two horizontal rows of neck bands (Figure 112).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–115, Burial 43
VESSEL FORM: Jar
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Everted rim and rounded lip
CORE COLOR: H (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim and body
EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the body
WALL THICKNESS (IN MM): rim, 6.7 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed on the body
HEIGHT (IN CM): 13.4
ORIFICE DIAMETER (IN CM): 10.8
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.5
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.5; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.9
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal rows of neck bands on the vessel rim (Figure 113).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Nash Neck Banded

Figure 113. Nash Neck Banded jar in Burial 43 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–116, Burial 43

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
very dark grayish–brown; fire clouds on the rim and base

WALL THICKNESS (IN MM):
rim, 6.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.0

ORIFICE DIAMETER (IN CM): 17.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 16.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.35

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel has six equally–spaced horizontal engraved lines. Between the bottom two horizontal engraved lines are a series of short diagonal engraved lines (Figure 114).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved (see Suhm and Jelks 1962:Plate 4b)
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–117, Burial 43
VESSEL FORM: Bowl
NON–PLASTICS AND PASTE: grog and bone
RIM AND LIP FORM: Inverted rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: very dark grayish–brown
WALL THICKNESS (IN MM): rim, 6.1 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed on the lower part of the vessel
HEIGHT (IN CM): 4.4
ORIFICE DIAMETER (IN CM): 8.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.6; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.14
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two large (30 mm in diameter) appliqued nodes with flattened ends at the top of the vessel body; the flattened ends of the nodes have 1.0 mm holes drilled into the ends. There are also two sets of three rows of small appliqued nodes adjacent to the larger appliqued nodes, with four or five appliqued nodes per row (Figure 115).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Moore Noded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–118, Burial 43

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim and base

EXTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 11.5

ORIFICE DIAMETER (IN CM): 26.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 26.1

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines above five alternating engraved nested triangle elements. The upper set of nested triangles has two centrally–placed concentric semi–circles and hatched triangular zones in the corners, while the lower set of nested triangles have two concentric semi–circles. The outer concentric semi–circle has linear tick marks or spurs, while the inner semi–circle has sets of vertical engraved lines in opposite corners (Figure 116).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Avery Engraved Figure 116. Avery Engraved carinated bowl in Burial 43 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–120, Burial 43

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: A (fired and cooled in an oxidizing environment)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the neck, body, and base

WALL THICKNESS (IN MM): rim, 5.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 16.5

ORIFICE DIAMETER (IN CM): 3.6

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.3; maximum body diameter of 11.3 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top and bottom of the vessel body have either three or two horizontal engraved lines; the bottom two engraved lines at the top of the vessel body are connected by diagonal engraved lines. Between these horizontal engraved lines are at least two, and probably four concentric circle motifs, at least one of which ends in a hooked arm element. These motifs are divided by vertical triangles, rectangles, or circle elements, zig–zag lines, or narrow hatched zones (Figure 117).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–121, Burial 44

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the neck, body, and base

WALL THICKNESS (IN MM): rim, 4.4 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 19.0

ORIFICE DIAMETER (IN CM): 3.5

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0; maximum body diameter is 12.5 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.5; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The top and bottom of the vessel body have three equally–spaced horizontal engraved lines. Between these horizontal lines are five engraved slanting scroll and circle motifs with open small pendant triangles on either side of the slanting scroll lines. The scroll fill zones are comprised of three curvilinear engraved lines on both sides of the central engraved circles (Figure 118).

PIGMENT USE AND LOCATION ON VESSEL: red clay pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Haley Engraved

Figure 118. Haley Engraved bottle in Burial 44 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: ET–547, Burial 47

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE
COLOR: very dark grayish–brown

EXTERIOR SURFACE
COLOR: very dark grayish–brown

WALL THICKNESS
(IN MM): rim, 5.5 mm

INTERIOR SURFACE
TREATMENT: burnished

EXTERIOR SURFACE
TREATMENT: burnished

HEIGHT (IN CM): 7.6

ORIFICE DIAMETER (IN CM): 19.9

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 19.9

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.7; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim has three horizontal engraved lines. These are above seven repeating triangular elements with a central open circle flanked by a series of short vertical engraved lines (Figure 119).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–123, Burial 52

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 7.1 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 16.5

ORIFICE DIAMETER (IN CM): 14.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 13.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 2.1

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel has two horizontal rows of neck bands. The vessel body has been divided into four vertical panels by vertical appliqued fillets, and the panels themselves are filled with diagonal opposed brushing marks (Figure 120).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Nash Neck Banded
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–131, Burial 54

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
- rim, 7.9 mm; body, 7.8 mm; base, 8.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 13.3

ORIFICE DIAMETER (IN CM): 17.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 16.1

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.3; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has a horizontal and curvilinear incised zone filled with linear tool punctations. The vessel body is divided into four panels by large vertical appliqued fillets. The panels are divided into four horizontal sections by single horizontal incised lines, and these sections are filled with rows of linear tool punctations (Figure 121).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6-2-132, Burial 54

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black; fire clouds on the neck

EXTERIOR SURFACE COLOR: black; fire clouds on the neck

WALL THICKNESS (IN MM): rim, 6.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 23.4

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 6.3; maximum body diameter is 13.2 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.7

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): the top of the vessel body has five fine–line horizontal engraved lines. There is a continuous series of diagonal engraved lines attached to the bottommost horizontal engraved line, and there are small excised triangle elements at the intersection of each diagonal engraved line and the bottom horizontal engraved line (Figure 122).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware, cf. Hickory Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–134, Burial 54
VESSEL FORM: Bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Direct rim and rounded lip
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim
WALL THICKNESS (IN MM): rim, 6.5 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 6.4
ORIFICE DIAMETER (IN CM): 15.3
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 14.0; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.4
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the top of the vessel as well as an unknown number of series of horizontal lines with small hatched pendant triangles or large open pendant triangles (Figure 123).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–135, Burial 54

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark grayish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 10.2

ORIFICE DIAMETER (IN CM): 15.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.8

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines, while the lower part of the rim has six sets of diagonal opposed engraved lines and one set of three concentric semi–circles. There are also three curvilinear engraved lines to one side of the concentric semi–circles element (Figure 124).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware

Figure 124. Engraved carinated bowl in Burial 54 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–136, Burial 54

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
very dark grayish–brown

EXTERIOR SURFACE COLOR:
yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM):
rim, 7.4 mm; body, 8.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 15.8

ORIFICE DIAMETER (IN CM): 14.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.7

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.7; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel is decorated with three horizontal rows of fingernail punctations, while there are 7+ rows of fingernail punctations on the vessel body (Figure 125).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

Figure 125. Fingernail punctated jar in Burial 54 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–138, Burial 49B

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
reddish–brown; fire clouds
on the rim and body

EXTERIOR SURFACE COLOR:
reddish–brown; fire clouds
on the rim, body, and base

WALL THICKNESS
(IN MM): rim, 7.0 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.3

ORIFICE DIAMETER (IN CM): 18.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 12.7; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.9

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim has two horizontal engraved lines. The remainder of the rim has five horizontal and vertical scroll elements; the horizontal portions of the scroll element are upper and lower narrow zone filled with a single row of excised tool punctations. To either side of the engraved–punctated scroll are single horizontal and vertical scroll lines. The scroll elements are divided by sets of two closely–spaced curvilinear engraved lines (Figure 126).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved

[Image of the vessel]

Figure 126. Barkman Engraved carinated bowl in Burial 49B at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–139, Burial 49B
VESSEL FORM: Jar (lower body and base section)
NON–PLASTICS AND PASTE: shell
RIM AND LIP FORM: N/A
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: very dark grayish–brown
EXTERIOR SURFACE COLOR: very dark grayish–brown
WALL THICKNESS (IN MM): body, 5.7 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): N/A
ORIFICE DIAMETER (IN CM): 14.0
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.3; circular and flat
ESTIMATED VOLUME (IN LITERS): N/A
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are at least two vertical appliqued ridges on the vessel body, as well as three to four linear tool punctated rows between the appliqued ridges (Figure 127).
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): McKinney Appliqued

Figure 127. McKinney Appliqued jar in Burial 49B at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–142, Burial 61

VESSEL FORM: Jar with four rim peaks (Figure 128)

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
very dark grayish–brown; fire clouds on the rim

EXTERIOR SURFACE COLOR:
reddish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM):
rim, 4.2 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 4.8

ORIFICE DIAMETER (IN CM): 7.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 7.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 4.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has two horizontal rows of linear tool punctations on the vessel (Figure 128).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

Figure 128. Tool punctated jar in Burial 61 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–143, Burial 61

VESSEL FORM: Bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the body and base

WALL THICKNESS (IN MM): rim, 5.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 5.1

ORIFICE DIAMETER (IN CM): 10.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.2

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 129)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–144, Burial 61

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: brown; fire clouds on the rim

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 6.1

ORIFICE DIAMETER (IN CM): 12.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 12.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has four rectangular engraved panels. The panels are filled with sets of diagonal or vertical engraved lines, hatched or cross–hatched pendant triangles, or a large engraved triangle with spur marks (Figure 130).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): cf. Bowie Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSSEL NO.: 6–2–145, Burial 61
VESSSEL FORM: Bottle
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Missing
CORE COLOR: F (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: dark reddish–brown; fire clouds on the body
EXTERIOR SURFACE COLOR: dark yellowish–brown; fire clouds on the body
WALL THICKNESS (IN MM):
body, 5.2 mm
INTERIOR SURFACE TREATMENT: none
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 7.3+
ORIFICE DIAMETER (IN CM): N/A
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.1+
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.4; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.2+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There is a single horizontal engraved line at the top of the vessel body as well as engraved brackets with upper and lower open triangle elements. Between the brackets are concentric semi–circular engraved lines on either side of a central circle element; this element is probably repeated four times around the vessel. One set of central circle elements has a central bracket with two horizontal engraved lines as well as opposed semi–circles with horizontal hatched lines. Another set of central circle elements has a central bracket with upper and lower open triangles, semi–circular or geometric lines, and opposed semi–circles; one of these semi–circles has three horizontal hatched lines, while the other has a triangular–shaped area with three diagonal hatched lines (Figure 131).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–146, Burial 61

VESSEL FORM: Bottle with a carinated body and a long neck

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black; fire clouds on the body

WALL THICKNESS (IN MM): rim, 3.5 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 17.5

ORIFICE DIAMETER (IN CM): 4.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 5.0; maximum body diameter is 11.3 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines at the upper part of the vessel body, above an engraved scroll and circle motif repeated four times around the vessel. Each of the central circles in the motif have a smaller inner circle. Either side of the circle and scroll line are a series of curvilinear engraved lines; the upper set of curvilinear engraved lines has small excised triangular areas. There are also four open engraved pendant triangles on the lowermost of the two horizontal engraved lines encircling the vessel body; these are set above the central circle elements in the repeated scroll and circle motif (Figure 132).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–147, Burial 63

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: reddish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 5.6 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 8.5

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has three horizontal engraved lines, with an irregular set of either vertical, curvilinear, or diagonal engraved lines between them. There also are two curvilinear engraved lines pendant from the bottom horizontal engraved line, and one of these curvilinear lines has linear tick marks on it (Figure 133).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–148, Burial 63

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Missing

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (IN MM):
body, 6.6 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 14.6+

ORIFICE DIAMETER (IN CM): 5.1

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.4+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body is decorated with three fine–line horizontal engraved lines (Figure 134).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hickory Engraved

Figure 134. Hickory Engraved bottle in Burial 63 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–149, Burial 63

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and flat lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: dark yellowish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 6.7 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 7.0

ORIFICE DIAMETER (IN CM): 15.2

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 15.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.6

 DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 135)

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified plain ware
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–150, Burial 63

VESSEL FORM: Jar with a carinated body

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE
COLOR: black

EXTERIOR SURFACE COLOR:
dark brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM):
rim, 5.1 mm; body, 6.0 mm; base, 8.5 mm

INTERIOR SURFACE
TREATMENT: smoothed

EXTERIOR SURFACE
TREATMENT: smoothed on the body

HEIGHT (IN CM): 9.0+

ORIFICE DIAMETER (IN CM): 11.8

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: N/A

ESTIMATED VOLUME (IN LITERS): 0.6+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is decorated with incised elements repeated an unknown number of times around the vessel. The incised decoration consists of a set of closely-spaced vertical incised lines between curvilinear and horizontal sets of incised lines, as well as zig-zag, triangular, and circular elements (Figure 136).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Unidentified utility ware

Figure 136. Incised jar in Burial 63 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–151, Burial 63
VESSEL FORM: Jar (body section)
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Missing
CORE COLOR: G (fired in a reducing environment and cooled in the open air)
INTERIOR SURFACE COLOR: black
EXTERIOR SURFACE COLOR: brown; fire clouds on the body
WALL THICKNESS (IN MM): body, 6.9 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished on the vessel body
HEIGHT (IN CM): 16.0+
ORIFICE DIAMETER (IN CM): 16.5
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.5; circular and flat
ESTIMATED VOLUME (IN LITERS): 2.4
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): Plain (Figure 137)
PIGMENT USE AND LOCATION ON VESSEL: none
TYPE AND VARIETY (IF KNOWN): Unidentified plain ware

Figure 137. Plain jar body section in Burial 63 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–155, Burial 65
VESSEL FORM: Compound bowl
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Missing
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: very dark grayish–brown
EXTERIOR SURFACE COLOR: very dark grayish–brown
WALL THICKNESS (IN MM): upper panel, 4.3 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: smoothed
HEIGHT (IN CM): 7.4+
ORIFICE DIAMETER (IN CM): 7.6+
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 9.7, lower panel
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 5.1; circular and flat
ESTIMATED VOLUME (IN LITERS): 0.6+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper panel of the vessel is decorated with three or more horizontal engraved lines. The lower panel has been divided into at least three panels by bracket elements with upper or lower open triangles and one or two hatched horizontal engraved lines. Between the brackets are either sets of upper and lower pendant engraved triangle elements with small central circles or sets of lower concentric semi–circles with small central circles with excised dots. Also in these panels are large and small open pendant triangles (Figure 138).

PIGMENT USE AND LOCATION ON VESSEL: white pigment in the engraved lines

TYPE AND VARIETY (IF KNOWN): Unidentified fine ware
Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4)

SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–159, Burial 66

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog and bone

RIM AND LIP FORM: Everted rim and rounded lip

CORE COLOR: F (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: burnished on the rim and smoothed on the body

EXTERIOR SURFACE TREATMENT: none

HEIGHT (IN CM): 12.8

ORIFICE DIAMETER (IN CM): 12.7

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 11.5

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 1.0

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim of the vessel is decorated with faint horizontal brushing marks as well as a single row of linear tool punctations at the rim–body juncture. The vessel body has 18 vertical appliqued fillets, and there are faint vertical brushing marks between the fillets (Figure 139).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Cass Appliqued

Figure 139. Cass Appliqued jar in Burial 66 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–160, Burial 66

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: dark brown; fire clouds on the rim and body

WALL THICKNESS (IN MM): rim, 6.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 15.2

ORIFICE DIAMETER (IN CM): 33.3

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 33.2

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 9.1; circular and flat

ESTIMATED VOLUME (IN LITERS): 4.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel rim is decorated with five narrow horizontal and vertical engraved scroll zones filled with two rows of excised tool punctations (Figure 140).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved

Figure 140. Barkman Engraved carinated bowl in Burial 66 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–161, Burial 66

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR:
very dark grayish–brown;
fire clouds on the rim

EXTERIOR SURFACE COLOR:
dark reddish–brown; fire clouds on the rim and body

WALL THICKNESS
(IN MM): rim, 4.9 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 6.4

ORIFICE DIAMETER (IN CM): 14.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 14.0

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.5

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the rim has two horizontal engraved lines, while the remainder of the rim has four sets of curvilinear engraved scroll zones with adjacent curvilinear rows of excised tool punctations on either side of the scroll zones (Figure 141).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Barkman Engraved (see Suhm and Jelks 1962:Plate 4h’).

Figure 141. Barkman Engraved carinated bowl in Burial 66 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–163, Burial 68

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct rim and rounded lip

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: black

EXTERIOR SURFACE COLOR: black

WALL THICKNESS (IN MM): rim, 6.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 15.4

ORIFICE DIAMETER (IN CM): 4.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 4.6; maximum body diameter is 10.9 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 7.0; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.4

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has five equally–spaced horizontal engraved lines between four sets of two vertically elongated appliqued nodes. The remainder of the vessel body is divided into four panels by vertical engraved brackets. The panels have two sets of engraved ovals filled with opposed semi–circles and semi–circular engraved lines (Figure 142).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved

Figure 142. Hatchel Engraved bottle in Burial 68 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–164, Burial 68

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Inverted rim and rounded lip

CORE COLOR: G (fired in a reducing environment and cooled in the open air)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: yellowish–brown; fire clouds on the rim, body, and base

WALL THICKNESS (IN MM): rim, 4.5 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): 5.4

ORIFICE DIAMETER (IN CM): 10.0

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 10.3

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.0; circular and flat

ESTIMATED VOLUME (IN LITERS): 0.3

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): There are two horizontal engraved lines on the rim panel. Between the lines are an unknown series (four?) of vertical and diagonal engraved lines on either side of an open pendant triangle (Figure 143).

PIGMENT USE AND LOCATION ON VESSEL: red clay pigment in engraved lines

TYPE AND VARIETY (IF KNOWN): cf. Simms Engraved carinated bowl in Burial 68 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–168, Burial 43

VESSEL FORM: Bottle

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Missing

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR:
very dark gray

EXTERIOR SURFACE COLOR: dark gray

WALL THICKNESS (IN MM):
rim, 4.2 mm

INTERIOR SURFACE TREATMENT: none

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 12.7+

ORIFICE DIAMETER (IN CM): 3.3

DIAMETER AT BOTTOM OF RIM OR NECK
(IN CM): 4.3; maximum body diameter is 9.3 cm

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.3+

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel body has three horizontal engraved lines. The remainder of the vessel body is decorated with four large semi–circles, inside of which is a large circle element. This circle element is bisected by an engraved bracket with a negative S–element outlined by hatched lines at the upper end of the bracket. Either side of the bracket in this central circle element has two concentric semi–circular lines (Figure 144).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Hatchel Engraved

Figure 144. Hatchel Engraved bottle in Burial 43 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell
VESSEL NO.: 6–2–169, Burial 37
VESSEL FORM: Carinated bowl with four lip tabs (Figure 145)
NON–PLASTICS AND PASTE: grog
RIM AND LIP FORM: Inverted rim and rounded lip
CORE COLOR: B (fired and cooled in a reducing environment)
INTERIOR SURFACE COLOR: very dark grayish–brown
EXTERIOR SURFACE COLOR: very dark grayish–brown; fire clouds on the rim and body
WALL THICKNESS (IN MM): rim, 4.2 mm
INTERIOR SURFACE TREATMENT: smoothed
EXTERIOR SURFACE TREATMENT: burnished
HEIGHT (IN CM): 7.0
ORIFICE DIAMETER (IN CM): 18.3
DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 18.5
BASE DIAMETER (IN CM) AND SHAPE OF BASE: 10.2; circular and rounded
ESTIMATED VOLUME (IN LITERS): 0.8
DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The rim has an engraved slanting scroll motif repeated four times around the vessel. The scrolls are divided by either vertical engraved lines or vertical excised columns. The upper and lower scroll fill zones are either plain, have vertical engraved lines in them, an excised bracket, or have a narrow curvilinear and hatched zone (Figure 145).
PIGMENT USE AND LOCATION ON VESSEL: none
Caddo Ceramic Vessels from the Paul Mitchell Site (41BW4)

SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–170, Burial 37

VESSEL FORM: Carinated bowl

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Direct
rim and rounded lip

CORE COLOR: B (fired
and cooled in a reducing
environment)

INTERIOR SURFACE
COLOR: very dark
grayish–brown

EXTERIOR SURFACE
COLOR: very dark
grayish–brown

WALL THICKNESS
(IN MM): rim, 3.9 mm

INTERIOR SURFACE
TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: burnished

HEIGHT (IN CM): 8.2

ORIFICE DIAMETER (IN CM): 16.4

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): 16.4

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 8.9; circular and rounded

ESTIMATED VOLUME (IN LITERS): 0.8

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The upper part of the vessel rim is decorated with three equally–spaced horizontal engraved lines. Below the engraved lines are five distinctive elongated triangle elements around the vessel that have a central semi–circle and inner circle outlined by opposed hatched lines (see Suhm and Jelks 1962:Plate 9c) (Figure 146).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): Bowie Engraved

Figure 146. Bowie Engraved carinated bowl in Burial 37 at the Paul Mitchell site (41BW4).
SITE NAME OR SITE NUMBER: Paul Mitchell

VESSEL NO.: 6–2–171, Burial 37

VESSEL FORM: Jar

NON–PLASTICS AND PASTE: grog

RIM AND LIP FORM: Missing

CORE COLOR: B (fired and cooled in a reducing environment)

INTERIOR SURFACE COLOR: very dark grayish–brown

EXTERIOR SURFACE COLOR: very dark grayish–brown

WALL THICKNESS (IN MM): body, 5.4 mm

INTERIOR SURFACE TREATMENT: smoothed

EXTERIOR SURFACE TREATMENT: smoothed

HEIGHT (IN CM): N/A

ORIFICE DIAMETER (IN CM): N/A

DIAMETER AT BOTTOM OF RIM OR NECK (IN CM): N/A

BASE DIAMETER (IN CM) AND SHAPE OF BASE: 6.4; circular and flat

ESTIMATED VOLUME (IN LITERS): N/A

DECORATION (INCLUDING MOTIF AND ELEMENTS WHEN APPARENT): The vessel body has at least four vertical appliqued ridges that divide up the body into plain panels (Figure 147).

PIGMENT USE AND LOCATION ON VESSEL: none

TYPE AND VARIETY (IF KNOWN): McKinney Appliqued

Figure 147. McKinney Appliqued jar section in Burial 37 at the Paul Mitchell site (41BW4).
Summary and Conclusions

A total of 145 ceramic vessels have been documented in the various collections held by the Texas Archeological Research Laboratory at The University of Texas at Austin from the Paul Mitchell site (41BW4) cemetery on McKinney Bayou in Bowie County, Texas. The Pete Miroir collection of 13 vessels from the site are in the University of Arkansas Museum in Fayetteville, Arkansas, and they have been previously discussed and illustrated in Perttula (2014:35 and Figure 43a–l). In the summary discussions to follow, functional and stylistic information on the vessels in the TARL collections are used to synthesize the character of the Paul Mitchell site vessel assemblage.

Ceramic Vessel Sets

There are distinctive sets of associated vessels that had been placed together in burials at the Paul Mitchell cemetery. These form the basis of a provisional seriation of the burials, one that needs to be substantiated by the radiocarbon dating of organic remains from a series of the burial features at the site, as well as from burial features at the nearby and generally contemporaneous Eli Moores (41BW2) and Hatchel (41BW3) sites.

Although many of the burials (n=25) excavated by the WPA at the Paul Mitchell had been previously disturbed and funerary offerings (including ceramic vessels) removed (Perttula 2014:Figure 30), there is sufficient information available from the remaining burial features to construct an occurrence seriation (see O’Brien and Lyman 1999:119–121) of vessel sets, thus providing an initial view of the 200–300+ year temporal history of the stylistic character of the ceramic vessels placed as funerary offerings in ancestral Caddo burial features at the Paul Mitchell site.

Middle Caddo period (ca. A.D. 1200–1400) burials in the Paul Mitchell site cemetery occur primarily in the northern part of the cemetery (Figure 148), and include burials excavated by Jackson, Mathews, Miroir, and the WPA archaeologists. This definitely includes Burial K–2 (Jackson 1932, 2003), Burial MV–1 (Martin 1936), M–B2 and M–B3 (Miroir 1946), Mathews (1935) burials 1–2, 5–6, 9–10, 13, and 21, and three WPA burials (Burials 44, 54, and 63). The one radiocarbon date from the site is on charred organic residue scraped from the exterior surface of a Dunkin Incised ceramic body sherd from the eastern part of the midden deposits. The conventional age of the charred organic residue is 837 ± 29 B.P. (D–AMS 005274). The sample was calibrated using OxCal v4.2.3 and the IntCal13 atmospheric curve. At 1 sigma, the most likely calibrated age range of the charred residue is A.D. 1169–1224 (0.62 probability), while at 2 sigma, there is a 95 percent chance that the organic residue dates from A.D. 1158–1262; the median calibrated age of the dated sample is A.D. 1207. This calibrated age range is consistent with the range of decorated sherds found in the extensive midden deposits at the Paul Mitchell site, as well as with the distribution of earlier Middle Caddo period burials in the cemetery (Figure 148).
Ceramic vessels placed in these earlier burials (Set 1) include the fine wares Haley Engraved, Hickory Engraved, Hempstead Engraved, Friendship Engraved, and Means Engraved, along with untyped engraved fine wares with rectangular, curvilinear, and horizontal elements on carinated bowls as well as vertical engraved elements and horizontal–curvilinear–and triangular elements on bottles. Utility wares include Dunkin Incised jars as well as incised–punctated vessels, East Incised bowls, a Haley Complicated–Incised jar, a few Pease Brushed–Incised jars, incised, incised–punctated–appliqued, and punctated–appliqued vessels. A few jars have handles. There are also plain ware carinated bowls, bottles, and jars included as funerary offerings in these ca. A.D. 1200–1400 burial features (Table 3). More than 56 percent of the vessels in the Set 1 assemblage are fine wares; another 34 percent are utility ware vessels, and 9.4 percent are plain ware vessels.
Table 3. Middle Caddo period ceramic vessels (Set 1) from the Paul Mitchell site: plain vessels, and vessels defined to types and unidentified to type.

<table>
<thead>
<tr>
<th>Type or unidentified to type</th>
<th>No.</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dunkin Incised</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>East Incised</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Haley Complicated Incised</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Haley Engraved</td>
<td>4</td>
<td>12.5</td>
</tr>
<tr>
<td>Hickory Engraved</td>
<td>4</td>
<td>12.5</td>
</tr>
<tr>
<td>Pease Brushed–Incised</td>
<td>2</td>
<td>6.3</td>
</tr>
<tr>
<td>Unidentified appliqued–punctated</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Unidentified engraved</td>
<td>10</td>
<td>31.3</td>
</tr>
<tr>
<td>Unidentified incised</td>
<td>2</td>
<td>6.3</td>
</tr>
<tr>
<td>Unidentified incised–punctated</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Unidentified incised–punctated–appliqued</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Unidentified fingernail–punctated</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Plain bottle</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Plain carinated bowl</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td>Plain jar</td>
<td>1</td>
<td>3.1</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>32</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The Middle Caddo period component at the Paul Mitchell site is affiliated with the Haley phase, dating to ca. A.D. 1200–1400 based on radiocarbon dates (see Samuelsen 2014) and the seriation of typologically and chronologically distinctive ceramic decorative styles. Because of a number of excavations over the last 100 years or so, this is a fairly well understood ancestral Caddo archaeological phase marked by mound centers (such as the Battle, Crenshaw, and Haley sites)—both platform and burial mounds—large off–mound cemeteries, and large dispersed communities comprised of villages, hamlets, and farmsteads along the Red River both upstream from and in the Great Bend area of the Red River in Southwest Arkansas and the northeastern—most part of East Texas (Figure 149). The nearby Hatchel and Cabe (41BW14) sites have Haley phase village deposits and/or burials, but the mounds at both sites were constructed after ca. A.D. 1400 in the later Texarkana phase.

The later ancestral Caddo occupation at the Paul Mitchell site—principally marked by its use as a large cemetery—is a component of the Late Caddo period Texarkana phase (ca. A.D. 1400–1690). Sites belonging to this phase are found on the Red River in Southwest Arkansas and Northeast Texas above the Great Bend of the Red and on the lower Sulphur River (Figure 150). The Hatchel site (41BW3) as well as the nearby Eli Moores (41BW2) and Cabe (41BW14) sites are major components of the Texarkana phase, with both constructed mounds and extensive village habitation deposits. All three sites, as well as the Mitchell site, may be part of an extensive Nasoni Caddo village that was visited by the Spanish in 1691.

Barkman Engraved vessels in 10 different burials are found in the same areas (Figure 151) as pre–A.D. 1400 burial vessels as well as later Texarkana phase burials (see below). This suggests that Barkman Engraved is a stylistically transitional fine ware whose origins lie with pre–A.D. 1400 fine wares (i.e., Handy Engraved) in the Great Bend area of the Red River and a fine ware that was replaced by Simms Engraved around ca. A.D. 1550.
Figure 149. Important Middle Caddo sites, major Red River Caddo centers occupied during the Middle Caddo period, and defined Middle Caddo period phases. 1, Harling (41FN1); 2, Sanders (41LR2); 3, Fasken (41RR14); 4, Roitsch (41RR16); 5, Holdeman (41RR11); 6, Hatchel (41BW3) and Mitchell (41BW4); 7, Hurricane Hill (41HP106); 8, 41RR181 and Little Mustang Creek; 9, 41TT670; 10, 41CS150; 11, Coker (41CS1); 12, 41TT372; 13, 41FK70; 14, Benson’s Crossing; 15, Crabb (41TT650); 16, Harold Williams; 17, 41UR21; 18, Big Oaks; 19, Griffin Mound; 20, 41UR133; 21, 41UR8; 22, McKenzie; 23, Spoonbill; 24, 41RA65; 25, T. M. Moody; 26, 41WD518; 27, Yarbrough; 28, Charlie Crews; 29, Jamestown; 30, Carlisle; 31, Langford; 32, Bryan Hardy; 33, 41HS74; 34, Old Brown Place; 35, Oak Hill Village; 36, 41PN14; 37, Musgano (41RK19); 38, Pace McDonald; 39, 41CE42; 40, 41CE289; 41, George C. Davis; 42, 41CE290; 43, 41NA20; 44, Washington Square (41NA49); 45, Tyson (41SV92); 46, 41SA123; 47, 41SA89; 48, Knight’s Bluff; 49, 41FK7; 50, Hudnall–Pirtle; 51, Gray’s Pasture; 52. Redwine. Figure prepared by Robert Z. Selden Jr.
Figure 150. Late Caddo period phases in East Texas and immediately surrounding areas. Figure prepared by Robert Z. Selden Jr.
Early Texarkana phase (ca. A.D. 1400–1550) ceramic vessels (Set 2) certainly include vessels of the types Barkman Engraved, as well as Bowie Engraved, and Hatchel Engraved vessels and Avery Engraved compound bowls with flaring rims. A Glassell Engraved vessel is in one of the burials excavated by the WPA that also has Bowie Engraved vessels. The utility wares include the McKinney Appliqued (previously known as McKinney Plain, but since the only way to definitively identify the type is by the appliqued decorative elements, the McKinney Appliqued type label is more appropriate for this class of utility ware), Moore Noded, Nash Neck Banded, Cass Appliqued, and Pease Brushed–Incised types (Creel 1991; Perttula 1992:125), as well as brushed–punctated jars and a punctated–appliqued jar with handles (Table 4). The distribution of the known Texarkana phase burials at the Paul Mitchell site is shown in Figure 152.
Table 4. Late Caddo period, early Texarkana phase, ceramic vessels (Set 2) from the Paul Mitchell site: plain vessels, and vessels defined to types and unidentified to type.

<table>
<thead>
<tr>
<th>Type or unidentified to type</th>
<th>No.</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avery Engraved</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Barkman Engraved</td>
<td>15</td>
<td>16.7</td>
</tr>
<tr>
<td>Bowie Engraved</td>
<td>10</td>
<td>11.1</td>
</tr>
<tr>
<td>Cass Appliqued</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Friendship Engraved</td>
<td>2</td>
<td>2.2</td>
</tr>
<tr>
<td>Hatchel Engraved</td>
<td>12</td>
<td>13.3</td>
</tr>
<tr>
<td>McKinney Appliqued</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Moore Noded</td>
<td>6</td>
<td>6.7</td>
</tr>
<tr>
<td>Nash Neck Banded</td>
<td>18</td>
<td>20.0</td>
</tr>
<tr>
<td>Pease Brushed–Incised</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Unidentified appliqued–incised–brushed</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Unidentified brushed–punctated</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Unidentified engraved</td>
<td>7</td>
<td>7.8</td>
</tr>
<tr>
<td>Unidentified engraved–appliqued</td>
<td>3</td>
<td>3.3</td>
</tr>
<tr>
<td>Unidentified engraved–punctated</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Unidentified incised–appliqued</td>
<td>3</td>
<td>3.3</td>
</tr>
<tr>
<td>Unidentified punctated</td>
<td>2</td>
<td>2.2</td>
</tr>
<tr>
<td>Unidentified red–slipped</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Plain bottle</td>
<td>2</td>
<td>2.2</td>
</tr>
<tr>
<td>Plain bowl</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Plain jar</td>
<td>1</td>
<td>1.1</td>
</tr>
<tr>
<td>Totals</td>
<td>90</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The Set 2 Texarkana phase vessels include fine wares (57.8 percent), a few plain ware vessels (4.4 percent), and utility ware vessels are common (37.8 percent) (see Table 4). The proportional range of the three wares in the Set 2 assemblage is statistically similar to the Set 1 vessel assemblage (see Table 3), with the most notable difference between the two vessel sets in the relative frequency of plain wares: 9.4 percent in Set 1 and 4.4 percent in Set 2. The Set 3 vessels have no plain wares.

The very latest Texarkana phase set of vessels (i.e., postdating ca. A.D. 1550–1600) in sites in the Upper Nasoni Caddo village, including the Paul Mitchell site (Set 3), along the Red River (see Figure 1) include vessels of the following defined ceramic types: Simms Engraved, Hodges Engraved, Belcher Engraved, Keno Trailed, Taylor Engraved, Foster Trailed–Incised, Nash Neck Banded, and McKinney Appliqued. Such vessels have been found in burial features in the upper mound stages at the Hatchel temple mound, the late burial interments in Village Plot 2 at the Hatchel site, and several of the burials at the Eli Moores site. There are also a few such very late Texarkana phase burials in the cemetery at the Paul Mitchell site, for example Burial 11 in the Mathews excavations; Burials 32, 37, and 68 in the WPA excavations; and Burial 41 in the WPA excavations, with a Simms Engraved carinated bowl and an appliqued–punctated jar, possibly of the Emory Punctated–Incised type. The Set 3 vessels are predominantly fine wares (76.5 percent); as previously mentioned, there are no plain wares in this set, and utility wares comprise only 23.5 percent of the assemblage from the very latest Texarkana phase burials at the Paul Mitchell site (Table 5). The relative frequency of fine ware vessels in the Set 3 assemblage is about 30–40 percent higher than is the case in the Set 1 (56.2 percent) and Set 2 (57.8 percent) vessel assemblages.
Figure 152. Distribution of Texarkana phase burials in the Paul Mitchell site cemetery.
Table 5. Late Caddo period, late Texarkana phase, ceramic vessels (Set 3) from the Paul Mitchell site: vessels defined to types and unidentified to type.

<table>
<thead>
<tr>
<th>Type or unidentified to type</th>
<th>No.</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowie Engraved</td>
<td>2</td>
<td>11.8</td>
</tr>
<tr>
<td>Emory Punctated–Incised</td>
<td>1</td>
<td>5.9</td>
</tr>
<tr>
<td>Glassell Engraved</td>
<td>1</td>
<td>5.9</td>
</tr>
<tr>
<td>Hatchel Engraved</td>
<td>1</td>
<td>5.9</td>
</tr>
<tr>
<td>McKinney Appliqued</td>
<td>1</td>
<td>5.9</td>
</tr>
<tr>
<td>Nash Neck Banded</td>
<td>2</td>
<td>11.8</td>
</tr>
<tr>
<td>Simms Engraved</td>
<td>6</td>
<td>35.3</td>
</tr>
<tr>
<td>Taylor Engraved</td>
<td>1</td>
<td>5.9</td>
</tr>
<tr>
<td>Unidentified engraved</td>
<td>2</td>
<td>11.8</td>
</tr>
<tr>
<td>Totals</td>
<td>17</td>
<td>100.0</td>
</tr>
</tbody>
</table>

There are a range of forms represented in the ceramic vessels from Sets 1–3 at the Paul Mitchell site (Table 6). The most common forms in all three sets are jars, carinated bowls, and bottles, but with significant differences in their frequencies between the three sets: the highest proportion of jars and bottles are in Set 1, and the highest proportion of carinated bowls is in Set 3. Bowls are notable only in the Set 2 and 3 vessel assemblages. Neckless bottles and compound bowls occur only in the Set 2 assemblage, and deep bowls are present in burial features only in Sets 1 and 2.

Table 6. Vessel forms in Sets 1–3 at the Paul Mitchell site.

<table>
<thead>
<tr>
<th>Vessel Forms</th>
<th>Set 1 N</th>
<th>%</th>
<th>Set 2 N</th>
<th>%</th>
<th>Set 3 N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottle</td>
<td>10</td>
<td>31.3</td>
<td>22</td>
<td>24.4</td>
<td>3</td>
<td>17.6</td>
</tr>
<tr>
<td>Bottle–Neckless</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td>1.1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Bowl</td>
<td>1</td>
<td>3.1</td>
<td>13</td>
<td>14.4</td>
<td>2</td>
<td>11.8</td>
</tr>
<tr>
<td>Bowl, deep</td>
<td>1</td>
<td>3.1</td>
<td>1</td>
<td>1.1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Carinated bowl</td>
<td>7</td>
<td>21.9</td>
<td>25</td>
<td>27.8</td>
<td>7</td>
<td>41.2</td>
</tr>
<tr>
<td>Compound bowl</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td>1.1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Jar</td>
<td>13</td>
<td>40.6</td>
<td>27</td>
<td>30.0</td>
<td>5</td>
<td>29.4</td>
</tr>
<tr>
<td>Totals</td>
<td>32</td>
<td>100.0</td>
<td>90</td>
<td>100.0</td>
<td>17</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The use of grog temper in the manufacture of vessels placed in the burials as funerary offerings at the Paul Mitchell is very common (82.4–96.9 percent) in all three vessel sets (Table 7). However, its use declined through time (over a ca. 300 year period) about 14 percent, and both grog and burned bone became more regularly used together as temper additives in Sets 2 and 3, especially in the Set 3 vessels (17.6 percent); only 3.1 percent of the Set 1 vessels were tempered with grog and burned bone. Only one vessel each in the entire site assemblage were tempered solely with burned bone or burned mussel shell; both vessels are in the Set 2 vessels.
Table 7. Vessel tempers in Sets 1–3 at the Paul Mitchell site.

<table>
<thead>
<tr>
<th>Temper</th>
<th>Set 1</th>
<th></th>
<th>Set 2</th>
<th></th>
<th>Set 3</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>%</td>
<td>N</td>
<td>%</td>
<td>N</td>
<td>%</td>
</tr>
<tr>
<td>Bone</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td>1.1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Grog</td>
<td>31</td>
<td>96.9</td>
<td>79</td>
<td>87.8</td>
<td>14</td>
<td>82.4</td>
</tr>
<tr>
<td>Grog–bone</td>
<td>1</td>
<td>3.1</td>
<td>9</td>
<td>10.0</td>
<td>3</td>
<td>17.6</td>
</tr>
<tr>
<td>Shell</td>
<td>–</td>
<td>–</td>
<td>1</td>
<td>1.1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>32</td>
<td>100.0</td>
<td>90</td>
<td>100.0</td>
<td>17</td>
<td>100.0</td>
</tr>
</tbody>
</table>
References Cited


Jackson, A. T. 1932 Exploration of a Cemetery on Paul Mitchell Farm in Bowie County, Texas. MS on file, Texas Archeological Research Laboratory, The University of Texas at Austin.


Martin, G. 1936 Supplementary Field Notes by Glenn Martin, Paul Mitchell Place, Bowie County, Texas, Sunday, November 22, 1936. MS on file, Texas Archeological Research Laboratory, The University of Texas at Austin.

Mathews, W. H., Jr. 1935 Catalog of Prehistoric Indian Pottery Excavated by Wm. H. Mathews, Jr., Texarkana, Texas. MS on file, Texas Archeological Research Laboratory, The University of Texas at Austin.

Miroir, P. 1946 Cemetery on the Runnels Farm. MS on file, Texas Archeological Research Laboratory, The University of Texas at Austin.


Rice, P. M.  

Samuelsen, J. R.  

Skibo, J. M.  

Suhm, D. A. and E. B. Jelks (editor)  
1962  *Handbook of Texas Archeology: Type Descriptions.* Special Publication No. 1, Texas Archeological Society, and Bulletin No. 4, Texas Memorial Museum, Austin.

Teltser, P. A.  

Walters, M., with contributions by T. Middlebrook and T. K. Perttula  

Woolsey, A. M. and E. G. Martin  
1939  Field Notes WPA Archaeological Project Sponsored by Anthropology Department, The University of Texas: Site ET–547, Paul Mitchell Place, 11 ½ miles N.W. Texarkana, Bowie County, Texas. MS on file, Texas Archeological Research Laboratory, The University of Texas at Austin.