Caddo Archeology Journal

Volume 29 **2019**

Caddo Archeology Journal

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ISSN 1522-0427

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Stephen F. Austin State University Press

Printed in the United States of America at Hudson Printing in Longview, Texas

CADDO ARCHEOLOGY JOURNAL

Volume 29, 2019

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From the Editor

The current volume contains several full length articles, short current reports of research, and a report of 2018 activities from the Caddo Conference.

The recent addition of the Current Research has been well-received and several contributions are included in this volume. Contributions to this section were compiled by Timothy K. Perttula and represent some of the current projects of Caddo researchers.

I am grateful to reviewers who allocated time and effort to review the articles in the current volume and I look forward to submissions for the next volume.

Duncan P. McKinnon, Editor

The *Caddo Archeology Journal* is devoted to the anthropology, history, geography, and current activities of the Caddo Nation, an American Indian group with a historical range covering the four-state area of Texas, Louisiana, Arkansas, and Oklahoma. The *Caddo Archeology Journal* began as the *Caddoan Archeology Newsletter* in 1989 and in 1996 the name changed to simply *Caddoan Archeology*. In 2003 the name of the journal was changed to *Caddoan Archeology Journal*, and in 2006 the name was changed again to *Caddo Archeology Journal*.

Timothy K. Perttula was founder and editor from 1989 until 1993 when Lois Albert became editor. Perttula resumed his editorial role in 2002 until George A. Avery became editor in 2010. Duncan P. McKinnon is the current editor beginning in 2016. Stephen F. Austin State University is currently publishing the journal. The *Caddo Archeology Journal* is published once a year in the Spring.

Members of the Caddo Conference Organization receive a copy of the journal and access to digital copies on the Caddo Conference Organization website (http://www.caddoconference.org/). Print backorders can be ordered by contacting the journal editor or at the Caddo Conference Organization meeting.
The *Caddo Archaeology Journal* publishes:

- Articles directly related to the interpretation and evaluation of Caddo archeology and history that provide relevant consideration of an issue or theoretical position.

- Preliminary, review, and updated regional summaries of anthropological and historical work conducted within the Caddo region or has linkages to Caddo studies.

- Technical and methodological reports that are comprehensible to most readers and provide new insights into evaluating Caddo archeology.

- Book reviews related to Caddo publications on history, geography, ethnography, anthropology, and current activities of Caddo Nation.

Information for Authors

Articles should not exceed 10,000 words in length, including references. Reports should not exceed 5,000 words including references.

Please submit the following to dmckinnon@uca.edu
- a PDF file of the complete submission (following American Antiquity style)
- OR a Word file containing the complete paper (i.e., including abstract, tables and figures)
- OR a Word file containing the text, references, table and figure captions, plus an individual file of each figure (600 dpi) and/or table. Excel file of tables is preferred.

After submission, papers will be sent out to a minimum of two reviewers. Reviewer comments are requested within 30 days.

Caddo Pottery from Eight Sites in the Middle Ouachita River Valley

Mary Beth Trubitt
Arkansas Archeological Survey, HSU Research Station

Documentation and analysis of ceramic vessels in the Joint Educational Consortium's Hodges Collection has focused on reconstructing grave lots based on notes left by amateur archeologist Vere Huddleston in the 1930s and 1940s. Despite problems with the data, we can glean useful information from this collection. Here, I describe Caddo pottery and other artifacts in grave lots from eight sites in Clark and Hot Spring counties of west-central Arkansas. I then order the grave lots in time based on stylistic and technological characteristics (seriation) to refine the ceramic chronology of the Middle Ouachita River valley and compare mortuary assemblages through time and across space.

Introduction

The Joint Educational Consortium (JEC) of Henderson State University and Ouachita Baptist University owns a major collection of Native American artifacts accumulated in the 1930s and 1940s by Thomas and Charlotte Hodges from archeological sites near their home in Bismarck, Arkansas. Since the JEC acquired the Hodges Collection in 1977, archeologists at the Arkansas Archeological Survey's research station at Henderson State University (ARAS-HSU) have curated, researched, exhibited, and interpreted the collection. This article continues our efforts to document artifacts in this collection and publish our research results (Early 1986, 2012; Trubitt 2016a, 2016b, 2017; Trubitt and Evans 2015).

Thomas and Charlotte Hodges, along with Vere Huddleston, Robert Proctor, and Charles Richardson in Arkadelphia, were collectors and amateurs active in the development of Caddo Area archeology in the mid-twentieth century (Girard et al. 2014:8-16). The Hodgeses purchased Huddleston's collection of about 350-400 pieces of pottery and other artifacts after his death in 1946 (Hodges and Hodges 1945). Included with the collection were his notebooks and manuscripts. Since Huddleston kept somewhat better records of the provenience of artifacts than the others, we have been able to reconstruct grave lots he dug at a number of sites in Clark and Hot Spring counties, including East Place, 3CL21 (Trubitt and Evans 2015).

From a research standpoint, grave lots provide information about mortuary offerings and sets of artifacts that were deposited contemporaneously, even if they were not necessarily all made or used at the same time or in the same locality. Grouping and ordering grave lots based on similarities in artifact styles (seriation) is a time-tested archeological method of building a chronological sequence and has been used as such in the Middle Ouachita River valley. For example, in his 1970 dissertation Frank Schambach (1998:124-128) redefined the Mid-Ouachita phase based on five ceramic lots from graves and special deposits previously excavated at the Means (3HS3) site. Ann Early (1993) defined additional phases for the Middle Ouachita River valley based on grave lot seriation from salvage excavations at Hardman (3CL418) in advance of highway construction. Her definitions of the East (A.D. 1100-1350), Mid-Ouachita (A.D. 1350-1500), Social Hill (A.D. 1500-1650), and Deceiper (A.D. 1650- 1700) phases form our current regional chronological framework for the Caddo period (Early 1993, 2002a, 2002b, 2002c, 2002d).

In this study, I describe ceramic vessels and other artifacts from grave lots dug by Vere Huddleston from eight archeological sites near the confluence of the Caddo and Ouachita rivers in west-central Arkansas. Documentation of vessels and examination of old records from these sites has been part of ARAS-HSU efforts to advise the JEC and the Caddo Nation in their ongoing consultations about the Hodges Collection. In 2017, the JEC transferred human remains and associated funerary objects identified in the Hodges Collection to the ARAS-Coordinating Office in Fayetteville for inventory and notifications as required under the Native American Graves Protection and Repatriation Act (NAGPRA). Materials from four of the sites discussed

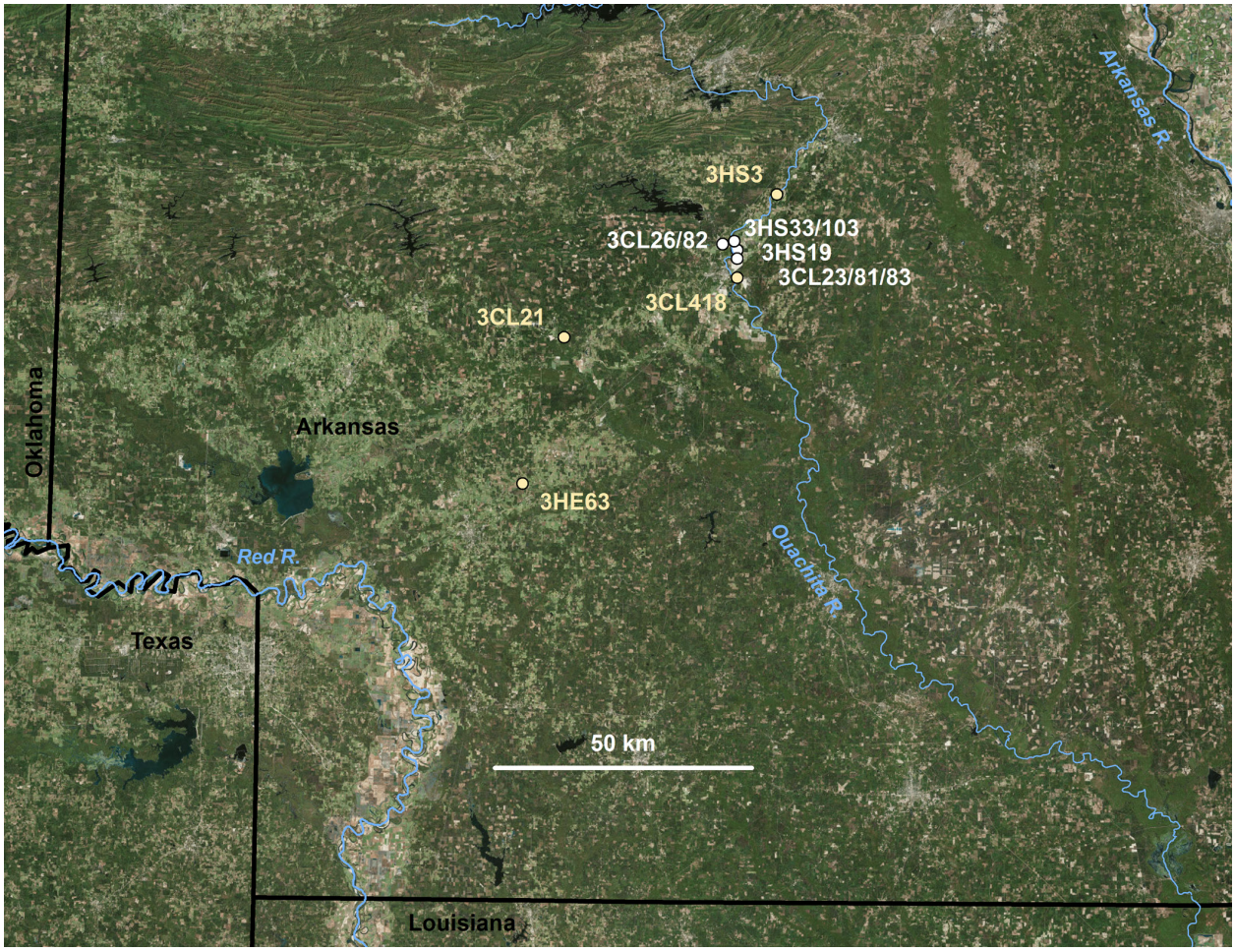

Figure 1. Location of sites in this study and other sites in southwest Arkansas mentioned in the text (base map: ArcGIS World Imagery, ESRI 2014).

here (Lower Meador, 3HS19; Upper Meador, 3HS33; Stanford, 3CL81; and Richardson, 3CL83) were part of that transfer, and this documentation will contribute to the NAGPRA notifications for those sites.

Huddleston's Work at Eight Sites

Vere Huddleston's records describe his work between 1937 and 1944 at eight sites along the Caddo and Ouachita rivers in Clark and Hot Spring counties (Figure 1). Now recorded as separate archeological sites, several of these were close enough in space and time to have been part of the same ancestral Caddo Indian communities. Huddleston described Trigg (3CL26) and Cook (3CL82) as about half mile (0.8 km) apart, while Upper Meador or Upper Meadow (3HS33) and Ashby (3HS103) were quarter mile (0.4 km) apart. Stanford (3CL81), Richardson (3CL83), and Rorie (3CL23) were within half mile (0.8 km) of each other. All eight sites are situated in an area of about 5 square miles (12.9 square km).

Huddleston and the other amateurs were not skilled excavators, nor were they systematic in their notetaking. There are vessels described but missing from the JEC Hodges Collection, either because Huddleston did not collect pots that were too fragmented to reconstruct, or because "finds" were sometimes divided between the people in the group on a given day. Huddleston kept a numbered list of locations he visited. In 1937, he described the graves he probed and dug, sometimes with sketches showing positioning of grave goods. He gave catalog numbers (from 1 into the 200s) to artifacts he saved from graves; he (?) later re-numbered these artifacts (1100s to 1400s) and inked these numbers on the vessels themselves. The inked numbers are not in sequence with dates of his site visits.

For some of these artifacts, there are catalog cards with descriptions, measurements, and sketches, but we do not have a surviving catalog.

In 1939, Philip Phillips, then finishing his Harvard University dissertation on Mississippi River valley archeology, made a survey of sites in the Ouachita River valley. He photographed vessels in the collections of Thomas and Charlotte Hodges and Vere Huddleston at that time (there is only a passing mention of this region in his dissertation [Phillips 1939:202]). After the JEC acquired the Hodges Collection in 1977, Ann Early used copies of the Phillips photographs and photo cards (on file at ARAS-HSU) to identify the proveniences of many of these vessels and link Huddleston's locations to recorded archeological sites.

Huddleston's numbering system changed in 1939 (as a result of his conversations with Phillips?) and there was a new sequence of numbers in the notes and on the pots themselves (2000s series, in sequence by excavation date). At some point Huddleston also mimeographed a sketch of a human skeleton and added north arrows, artifact placement sketches/numbers/notes, and site/grave numbers by hand during his site visits. A typescript describes sites, graves, and artifacts illustrated in some instances with Phillips's 1939 photos (copies of Huddleston's notebooks are on file at ARAS-HSU). Lacking from Huddleston's notes (and those of his contemporaries) are maps of the sites themselves or the spatial arrangement of graves relative to other site features. While the Hodgeses left a handwritten catalog with descriptions of artifacts, very few sketch maps have been found in either the Hodges (or Huddleston) notes.

Vessels and other artifacts in the JEC Hodges Collection were accessioned in 1977 (ARAS accession number 77-1) and coded with numbers representing site and object (e.g., 2-5, where 2 codes for site 3HS19 and 5 codes for a specific artifact from that site).

Trigg (3CL26) and Cook (3CL82)

Two graves were dug at Trigg Place or Triggs Mound (3CL26) by Huddleston (his site 19) with fellow amateur Dr. Ritchie in February 1941. Huddleston's notes described a mound at Trigg as "about fifteen feet high and cone shaped." He indicated that Ritchie had dug there previously (vessels from several collectors form part of Henderson State University [HSU] Museum collections from 3CL26). He also mentioned that Trigg had been visited "by a Smithsonian Institute representative" (this would have been Edward Palmer in 1883 [Jeter 2009:290, 299]); river overflow and erosion had already impacted Trigg by this time (Thomas 1894:247). Three vessels in the JEC Hodges Collection can be linked to Huddleston's work at Trigg (77-1/29, Table 1).

Cook Place or Cook Farm (3CL82) was described as "a small rise almost in the center of the field" where "[t]he graves are shallow from 12 to 24 in deep and all prone facing west" at the time of Huddleston's visits in April 1939 (site 35 in his notes). Huddleston dug five graves at the site, accompanied on different days by Dr. Ritchie, Clara Joyce, Dr. Whaley, "W.S." and "Dub" (Huddleston occasionally made notes about the graves dug by the others). HSU Museum collections include 10 vessels from Whaley's, Proctor's, and Richardson's efforts at the site. A total of 13 vessels in the JEC Hodges Collection (and one vessel in HSU Museum collections) have been identified to Huddleston's five grave lots from Cook (77-1/6, Table 1).

Trigg and Cook are recorded in the Arkansas site file database, but with imprecise locations. Neither has been visited by professional archeologists in the modern era.

Upper Meador (3HS33) and Ashby (3HS103)

Huddleston's trips to Upper Meador or Upper Meadow (3HS33, his site 9 or 9a) took place between 1940 and 1943. Burials were dug in the mound (described as "upper mound") by Huddleston, as well as by Proctor and Richardson (45 of which are included in HSU Museum collections). Huddleston described seven graves. A total of 15 vessels and eight arrow points in the JEC Hodges Collection (77-1/4, Table 2) have been linked to these graves and another vessel from one of the Huddleston graves is in HSU Museum collections. Human remains (identified as "Meadow"), possibly from 3HS33, have been transferred to Fayetteville for NAGPRA documentation.

Huddleston visited Ashby Farm or Ashby Mound (3HS103, his site 86) and described the site as "a

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
3CL26, Trigg (Huddleston's Site 19):										
Burial X, no trace bone, 2/23/1941		2464	small bottle	29-2	bottle	Blakely Engraved *var. Witherspoon*	engraved	plain :: Emil 6	shell + grog	vertical neck, 2464 inked on side
[Mid-Ouachita - Social Hill phase]		2465	large flared bowl	29-3	jar,short rim		incised	Andes 4 :: Bard 8 or Altus 2	shell	sooting, 2465 inked on base
Burial Y, no trace bone, 2/23/1941		2466	small food jar							
[Mid-Ouachita phase]		2467	tall seed jar	29-1	seed jar		plain		shell + grog	partial vessel, 2467 inked lower body
3CL82, Cook (Huddleston's Site 35):										
Grave 1, on small rise, skull could not be save	174		cazuela							
4/9/1939	175		vase							
[Social Hill phase]	176	1366	cazuela	1-1366	in HSU Mus Coll attrib to 3HS19	Sandford Punctated	punctated	Cedar 1 :: plain	grog	Phillips photo 3850 (Hudd 176)
	177		celt							
	178	1359	small vase	6-13	jar,tall rim	Foster Trailed-Incised *var. Dobson*	incised/brushed	Arlis 3 (type) :: Baker 1 (type)	shell	sooting, 1359 inked; Phillips photo 3876 (Hudd 178)
	179	1243	water bottle	6-1	bottle	Keno Trailed *var. Curtis*	incised	plain :: Belhaven 17	shell	bulbous/spool, pedestal, 1243 ink, Phil 3922 (Hudd 179)
Another grave, dug by Dr. Ritchie 4/9/1939										
Grave 2, 20' E of md ctr, bone in poor shape	180	1357	vase	6-12	jar,tall rim	Foster Trailed-Incised *var. Foster*	incised	Alfred 6 (type) :: Baker 3 (type)	shell	sooting, 1357 inked; Phillips photo 3948-49 (Hudd 181)
4/9/1939	181	1358	vase perfect - sketched	6-10	jar,tall rim	Foster Trailed-Incised *var. Foster*	incised	Alfred 2 (type) :: Baker 16 (type)	shell	sooting, 1358 inked; Phillips photo 3959 (Hudd 180 [181])
[Social Hill-Deceiper phase]	182		small vase, perfect, incised, sketched							
	183		small vase							
	184	1369	w bottle Glendora ware sketched [prob. 6-11]	6-11	bottle	Keno Trailed *var. Red Hill*	incised	plain :: Belhaven 31	shell	spool, pedestal; probe holes; Phil 3855 (Hudd 84 [184])
	185	1354	crushed cazuella cone shaped	6-8	bowl,carinated	Means Engraved	engraved	Enos 19 (type) :: plain	shell + grog	1354 ink, Phil 3891 (Hudd 185); Suhm & Jelks 1962:Pl.53J
Grave 3, child & 2nd grave nearby, skull	186	1367	offset rim bowl perfect, sketched	6-3	bowl, carinated, compound	Belcher Engraved	engraved	Central or Ezra :: plain	shell	probe hole, 1367 inked; Phillips photo 3910 (Hudd 186)
4/10/1939	187	1364	small vase perfect	6-9	jar,short rim	Karnack Brushed-Incised *var. Midway*	incised	plain :: Abraham 1 (type)	shell	1364 inked on base; Phillips photo 3874 (Hudd 187)
[Deceiper phase]	188	1361	water bottle perfect etched w red paint, sketch			Hodges Engraved *var. Hodges*				
	189	1362	large bowl perfect, over skull, sketched	6-6	bowl,simple	Keno/Wallace?	incised	plain :: Buffalo 5	shell	'helmet' shape, 1362 inked; Phillips photo 3993 (Hudd 189)
			string of shll beads							
			part of a large pot							
Grave 4, 2 broken ones from Ritchie's grave	190	1355	round vase, sketched	6-4	jar,short rim	Karnack Brushed-Incised *var. Fish Bayou*	incised	plain :: Abraham 1	shell	sooting, probe, 1355 inked; Phillips photo 3937 (Hudd 190)
4/10/1939 [Deceiper phase]	191		ordinary vase sketched (brushed incising)							
"Dub" grave, 4/10/1939										
Whaly grave with 5 pieces, 4/10/1939					(HSU Museum Coll.)					
Grave 5, deep grave N of others	192	1350	cazuela	6-7	bowl,carinated	Cook Engraved	engraved	Ezra 12 :: plain	shell + grog	1350 inked on base, Phillips photo 3930 (Hudd 192)
4/22/1939	193	1351	flat bowl	6-5	bowl, simple		plain		shell	1351 inked on base, Phillips photo 3985 (Hudd 193)
[Social Hill phase]	194		large food jar							
	195	1348	water bottle	6-2	bottle	Keno related	incised	plain :: Bellarmine 9 (sim.)	grog + shell	vertical neck, slight spool, Phillips photo 3875 (Hudd 195)
	196		water bottle							

Table 1. Reconstructed Grave Lots from Huddleston's Excavations at Trigg (3CL26) and Cook (3CL82).

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
3HS33, Upper Meador/Upper Meadow (Huddleston's Site 9):										
Burial X or Burial 1, just W of center of md		2125	pot	4-11	bowl, carinated	Sandford Punctated	punctated	Cedar 3? Caldwell 3? :: plain	grog + shell	blackened body/base, 2125 inked on base
3/2/1940		2126	pot	4-9	jar,short rim		plain		grog + shell	sooting/residue, 2126 inked lower body
[Social Hill phase]		2127	pot							
		2128	pot	4-1	bowl,simple	Keno related	incised	plain :: Belhaven 2	shell + grog	
		2129	pot							
	2130 -	2139	arrows, 9	4-8	arrow points (7)	1 Bassett, 3 Maud *var. Hopper* , 2 Maud or Washita, 1 Maud *var. Maud* or Fresno/Talco				novaculite, chert; inked 2130, 2134, 2135, 2136, 2138
Burial 1A, deep, 4 pcs, 2 celts, arrow		2469	vessel, bottle							
3/22 or 3/29/1941		2470	skull, in bad shape but saved it							
[Social Hill-Deceiper phase]		2471	vessel							
		2472	celt? bone awl?							
		2473	arrow							
		2474	vessel, bowl							
		2475	celt? bone awl?							
		2476	bottle	4-3	bottle	Keno Trailed	incised	plain :: Belhaven 36 (type)	shell	spool neck
Burial 2, grave, top of md., trace bone		2644	vessel	4-16	jar,short rim	DeRoche Incised	incised/punctated	Caldwell 7 :: Antioch 17	shell	sooting
9/20/1942		2645	vessel, bowl	4-5	bowl,carinated	Hodges Engraved *var. Nix*	engraved	Esther 12 (sim.) :: plain	shell + grog	2645 inked on body
[Deceiper phase]		2646	pot, gave to Major Forza of Army & Navy Staff 1944							
		2647	bear's tooth perforated							
		2648	bone awl under 2645							
Burial 3, near B-2, vessels, filled up to finish later		2649	vessel, bottle, badly crushed							
9/26/1942		2650	vessel, nested bowl	4-17	jar,short rim	DeRoche Incised	incised/punctated	Caldwell 7 :: Adrian 1	shell	
[Deceiper phase]		2651	vessel, nested bowl	4-6	bowl,simple	Owens Punctated (similar)	incised/punctated	Chatham 10 (type) :: Antioch 1	shell	
Burial 4, 4 pcs, bone completely deteriorated		2660	vessel							
10/26/1942		2661	vessel	4-15	bowl,simple	Hodges Engraved *var. Hodges*	engraved	Elgin 2 :: Ebbet 6	shell + grog	2661 inked on base
[Deceiper phase]		2662	vessel, bottle badly crushed	4-4	bottle, pedestalled	Natchitoches/Hodges Engraved	engraved	plain :: Eureka 6 (type)	shell + grog	spool neck, pedestal base, 2662 inked on base
			Mr Proctor kept one vase		2662 is also inked on base of X-92 short rim jar, DeRoche Incised					
Burial 5, deep grave S side of saddle betw 2 mds			lg shell tempered pot sherd over feet							
11/7/1942		2664	bottle, whole	1-2664	in HSU Museum Coll (attr. 3CL81)		engraved	Erie 5 :: Elmira 64	grog + shell	sketch
leg bones hard but rest of bone too soft to save		2665	cazuela, whole	4-13	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 2 (type) :: plain	shell + grog	2665 inked on base
[Mid-Ouachita phase]		2666	noded decorated seed jar	4-10	seed jar		engraved	Elgin (need new) :: Emerson 26	shell + grog	4 handles, 2666 inked on base
		2667	flared rim pot	4-12	jar,short rim		incised/punctated	Butler? Barnard? :: Coker?	shell	sooting, reconstructed with plaster in past, 2667 inked base
		2668	bird point near jaw							
		2669	(on diagram, points to skull? bone? pipestem?)							
Burial 6, N slope of md, bone almost gone		2777	vessel	4-14	bottle	Keno Trailed	trailed, punctated	Cornell 3 and Caldwell 5 :: Belhaven 17	grog + shell	spool neck, pedestal base, 2777 inked on base
1/24/1943		2778	vessel	4-7	bowl,simple	Belcher Engraved *var. Belcher*	engraved, noded	Central 7 :: plain	grog + shell	compound bowl, 2778 inked on side
[Deceiper phase]		2779	arrow pt	4-2	arrow point	Gary *var. Camden* knife				novaculite, inked 2779
		2780	arrow pt							
Burial 7, Proctor's, 5/15/1943			Proctor found grave with 3 vases and an engraved tripod bottle; Mr Charlie and I found nothing							
No information				4-	human bone, missing, is this material below?					
"Meadow Grave 31"			from 3HS33 or 3HS19?		delivered to house 10/14/98					
3HS103, Ashby Mound (Huddleston's Site 86):										
B-1, grave with 5 pcs		2804	small vase, on chest	22-2	jar,short rim		incised	Albertus 7 :: Abraham 12	shell	
5/29/1943		2805	bottle on side, perfect	22-4	bottle	Blakely Engraved *var. Witherspoon*	engraved	Elgin 1 :: Emil 3	shell + grog	vertical neck, slight spool
[Social Hill phase]		2806	vessel	22-1	jar,tall rim		incised	Beloit 10 :: Abraham 6	shell	sooting, 2806 inked on rim
		2807	vessel	22-5	jar,tall rim	Foster Trailed-Incised	incised & punctated	Chattanooga 1 :: Baker 20	shell	2807 inked on vase
		2808	bowl, upside down	22-3	bowl,carinated	Sandford Punctated	punctated	Concord 1 :: plain	shell	probe hole?

Table 2. Reconstructed Grave Lots from Huddleston's Excavations at Upper Meador (3HS33) and Ashby (3HS103).

small mound about 20 ft across and 1 ft high." In May 1943, he dug one grave and recovered five vessels (77-1/22, Table 2). Huddleston's notes indicate that "Mr C and Mr Proctor" had visited the site previously (and there are two pots from Proctor attributed to this site in HSU Museum collections).

A low mound was noted at Upper Meador when it was first recorded into the Arkansas site file database in 1969. Additional collector digging at the site in the 1970s uncovered additional burials. The site was last visited by ARAS-HSU archeologists in 1980. No mound was mentioned on the site form at that time. Ashby is known only from Huddleston and Proctor notes and has not been visited by professional archeologists in the modern era.

Lower Meador (3HS19)

Huddleston's trips to Lower Meador or Middle Meadow (3HS19, his site 8) took place between 1940 and 1941, and he was often accompanied by Proctor, Richardson, "WS," and "Richard." In his typescript, he described the site as "a workshop, four burial mounds and at least three house mounds," but he seems to have focused on one mound. The first burial he dug (in March 1940) was a grave with two children and an adult, and he later dug additional child graves at the site. His notes on the 18 graves he dug are fairly detailed, and there is human bone in the JEC Hodges Collection linked with nine (eight with artifacts) of these graves. Burial 15, dug in June 1940, was "the deepest grave I ever opened, 5 feet to bottom of grave the strata was about as follows" (his sketch indicates 24 inches of "kitchen midden" over 24 inches of "midden and clay mixed" over a 12-inch stratum of "mingled[?] clay" containing the burial, above undisturbed clay). In his typescript, Huddleston recognized three types of burials at the site:

> There were several very shallow ones on top of the mound. The pottery in these is typically marker type Caddo, very hard and polished, with some examples of the finest engraving we have ever taken out. In the flats, just south of the mound and mostly in midden, was a layer of graves about 18 to 24 inches deep, of about the same type. … Nearly all of the pottery was shell tempered. … A third level of burials was much deeper and just within the original soil. These graves were in the flat area just south of the mound and from four to six feet deep. All these graves were rich in pottery, one or two having as many as eleven pieces in them. The pottery was different in decoration and tempering. Most of it being sand or grit temper [Huddleston notes, on file ARAS-HSU].

A total of 49 vessels, 22 shell beads, four arrow points, three bone points, one bone awl, one celt, one mussel shell, one animal bone, and one pipe in the JEC Hodges Collection have been linked with 16 Huddleston graves from Lower Meador (77-1/2, Table 3), There are also seven vessels from Hodges's excavations at this site.

By the time Lower Meador was recorded into the Arkansas site file database in 1965, the landowner had bulldozed a mound and leveled the surface of the site. There was additional amateur digging that uncovered human remains at the site in 1972. A visit to the site at that time by an ARAS-HSU archeologist confirmed the location of 3HS19 and several nearby sites (3HS38, 3HS56). Collector digging uncovered additional graves with Caddo period materials at 3HS38 (see McKinnon 2015:123-124) and a large mound has been noted at 3HS56, raising the possibility that Huddleston included this larger site cluster in his description of multiple mounds at Lower Meadow.

Stanford (3CL81), Richardson (3CL83), and Rorie (3CL23)

Huddleston's work at the Stanford Farm or Stanford Place (3CL81, his site 7) took place between May 1938 and February 1943. The graves he dug there were in a mound "about 100 ft across and round … the highest elevation was only about 8 to 6 ft above the surrounding ground." On several of his visits he mentions graves dug by Mr. Proctor and Mr. Richardson (40 vessels in HSU Museum collections are attributed to the Stanford site). Huddleston's draft manuscript mentions the large mound with numerous burials as well as "a small house mound and a midden site, covering about three-fourths acre."

Based on his notes, Huddleston dug 18 graves at Stanford; 29 vessels from 14 of these graves have been identified in the JEC Hodges Collection (77-1/5, Table 4), along with two vessels in HSU Museum collections and one vessel "from Stanford mound." There is human bone in this collection, which could be from Huddleston's Burial 3 (it is labeled 7-3), or from Burial 21 (from which he kept the skull).

Huddleston described the Richardson Farm or Richardson Place (3CL83, his site 89) as "a small mound perhaps 18" high and about 75' in circumference. There is deep midden on the east side and midden refuse is scattered over a considerable area." Huddleston dug at least eight graves here between November 1943 and March 1944. He was accompanied by "Mr. Charlie," Richardson, and "Mr. Proctor" (Robert Proctor), and mentioned that "Dr. Horton and his crew" (Philip Horton) were there at some point as well (HSU Museum collections include 18 vessels from 3CL83 collected by Horton, Proctor, and O. Whaley). Huddleston noted that Grave 10 was isolated from the main cluster of 16 (17?) graves dug by the group. Huddleston's record from this site include some vessel catalog cards and notes, providing descriptions of the graves he dug as well as some mention of those dug by the others.

There are 15 vessels and two earspools in the JEC Hodges Collection that can be linked to six Huddleston grave lots from Richardson (77-1/3, Table 4; one other vessel is from unknown context). Four of Huddleston's graves (three with artifacts) have human bone in the JEC Hodges Collection, and these have been transferred to ARAS-CO for NAGPRA documentation.

Huddleston's excavations at "a small mound on the Paul Rorie place" (3CL23, his site 6) took place between 1937 and 1944. He noted at his first visit in November 1937 that the "mound had been almost totally wrecked by other pot hunters." On his last visit in February 1944, he mentioned accompanying Proctor and Richardson (HSU Museum collections includes 41 vessels attributed to Proctor's excavations at Rorie). Huddleston's typescript describes "three mounds, two small and one large one. Across a small branch to the west is a large village site. Work shop refuse and sherds cover two or three acres."

From Rorie, Huddleston described 16 graves (plus another dug by "Mr Charlie"). A total of 23 vessels can be linked with 11 of these graves (77-1/8, Table 4; context is unclear for another six vessels). Most of these grave lots are incomplete.

The Arkansas site file database for Stanford (3CL81) includes notes on collector digging in the 1970s. A visit by ARAS-HSU archeologists in 1978 confirmed its location and added a Woodland period component to the record based on a surface collection. Richardson (3CL83) is recorded in the Arkansas site file database with an imprecise location and has not been visited by professional archeologists in the modern era. In 1969, ARAS-HSU archeologists visited Rorie (3CL23) and noted that the mounds described by Huddleston had been leveled. An extensive surface scatter (ca. 500 x 300 m) remained with diagnostic artifacts indicating materials from the Late Archaic, Woodland, and Caddo periods. In 2002, I and a team of volunteers recorded patches of burned soil, post stains, midden debris, and human remains following land leveling at Rorie (Trubitt 2003). Some of these features could indicate the locations of the two smaller mounds.

Vessel Analysis and Grave Lot Seriation

The ceramic vessels from these eight sites have been documented using a protocol first developed by Ann Early for use on HSU Museum vessel collections and updated by Early and by Leslie Walker (2014). At the ARAS-HSU research station lab, we recorded attributes of form and shape, paste and temper, measurements, decorative treatment, evidence of use, as well as provenience (see Appendix).

A total of 167 vessels has been documented from the eight sites in this study. Of these, 37 (22 percent) are bottles, 63 (38 percent) are bowls (carinated bowls, simple bowls, and beakers), 58 (35 percent) are jars (both tall rim and short rim jars), and 9 (5 percent) are seed jars. Bottles and seed jars have small orifice diameters that would have restricted access to contents, while bowls and jars have larger orifice diameters allowing unrestricted access to vessel contents. All but two of the jars and bowls have orifice diameters less than 27 cm (Figure 2). The larger size category found in domestic contexts (e.g., in

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
3HS19, Lower Meador/Lower Meadow (Huddleston's site 8):										
Burial 1, multiple (2 children, 1 adult), 9 pots		2165	vessel with child	2-18	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 14	shell + grog	short spool neck; probe hole; 2165 inked base; red pigment
3/23 or 3/24/1940		2166	beads, with child							
[Deceiper phase]		2167	vessel, with adult	2-31	bottle	Bailey Engraved	engraved	plain :: Eugene 3	shell	bulbous/spool neck; pedestal base; 2167 inked lower body
Associated		2168	vessel, with adult	2-19	jar, short rim		incised	plain :: Berry 3 or 11 (sim.)	shell	sooting; 2168 inked on base
		2169	vessel, with adult	2-5	jar, short rim	Keno related	incised	plain :: Belhaven 2	shell	2169 inked near base
		2170	vessel, with child							
		2171	skull, child							
		2172	vessel, with child	2-33	bowl, simple		plain		grog	minibowl; red ochre on interior; 2172 inked
		2173	vessel, with child	2-57	jar, short rim		plain		shell	sooting; 2173 inked on base
		2174	vessel, with child	2-56	jar, short rim	Keno/Wallace?	incised	plain :: Buffalo 1 (sim.)	shell	2174 inked on base
		2175	unid on diagram, with child	2-30	human, 1 pc					
		2176	beads, with child	2-28	shell beads, 22					
		2177	vessel, with child	2-29	jar, short rim		incised	Austin? :: Buffalo 12 (sim.)	shell	sooting; 2177 inked on body
Burial 2, child grave with bottle, skull too soft to save		2178	vessel	2-6	bowl,simple	Old Town Red?	red slipped	G :: G	shell	2 small lugs at lip
3/24/1940		2179	vessel	2-23	bowl,carinated	Hodges Engraved *var. Nix?*	engraved	Esther 4 (sim.) :: plain	shell + grog	reconstructed with plaster in past
[Deceiper phase]		2180	vessel	2-11	jar, short rim		plain		shell	sooting; 2180 inked on base
		2181	vessel (cat. card)	2-17	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 14	grog + shell	short carafe/spool neck; red pigment in engraving
Burial 3, adult grave, skull soft		2182	perfect bottle	2-35	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 5 (sim.)	shell + grog	bulbous/spool neck
3/24/1940		2183	vessel	2-12	bowl,carinated	Hodges Engraved *var. Nix*	engraved	Esther 12 (type) :: plain	grog	
[Deceiper phase]		2184	vessel	2-50	jar,short rim	Mound Tract Inc./Brush. (Cowhide St.)	dentate stamped/incised/brushed	Ferris 1 :: Drury 1	shell	
		2185	sherd from large pot	2-34	jar (sherd)	Karnack Brushed-Incised *var. Fish Bayou*	brushed/trailed	Dana 4 :: Abraham 1	shell	rimsherd with sooting; 2185 inked on exterior
Burial 4, adult grave, 2 pots, skull, 7 arrowpoints		2186	jar at feet, small animal bones & muscle shells	2-52	jar, tall rim	Foster Trailed-Incised	punctated/incised/appliqued	Carbon 1 :: Baker 3	shell	sooting/residue; 2186 inked on base
3/26/1940		2187	Glendora bottle	2-4	bottle	Keno Trailed *var. Red Hill*	incised	plain :: Belhaven 31	shell + grog	spool neck, pedestal base; 2187 inked on lower body
[Social Hill-Deceiper phase]		2188	flint point	2-7	arrow point	Gary *var. Camden*				novaculite, inked 2188
Associated		2189	flint point	2-8	arrow point	Womble or Scallorn?				novaculite, inked 2189
		2190	flint point	2-9	arrow point	Maud *var. Maud*				novaculite, inked 2190
		2191	flint point	2-10	arrow point	Bassett				novaculite, inked 2191
		2192	bone point	2-2	nonhuman modified					inked 2192
		2193	bone point	2-3	nonhuman modified					inked 2193
		2194	bone point	X	nonhuman modified					inked 2194
		2195	vessel fragment bone?	X	nonhuman unmodified					inked 2195
		2196	skull	2-65	human, 2 pcs					
Burial 5, adult grave, 5 pots damaged		2197	vessel	2-47	bowl,simple		plain		shell	
4/9/1940		2198	vessel	2-41	jar,short rim	Emory Punctated-Incised?	incised/punctated	Caldwell 9 (sim.) :: Belmont 8 (type)	shell	probe hole
[Social Hill phase]		2199	vessel	2-48	jar,tall rim	Foster Trailed-Incised variant?	brushed/incised/appliqued	Defiance 1 (type) :: Belmont 6 (type)	shell	
		2200	vessel	2-45	jar,tall rim	Foster Trailed-Incised variant?	incised/appliqued	Brevard 2 (sim.) :: Bellarmine 7 (type)	shell	
		2201	vessel	2-32	jar,tall rim	Foster/Pease?	incised	Alfred 2 :: Antioch 18 (sim.)	shell	2201 inked lower body
Burial 6, child grave, shallow, 4/13/1940		2202	arrow at head							
Burial 7, adult grave, south slope of mound		2203	vessel							
4/13/1940		2204	vessel	2-44	jar, tall rim	Foster/Caney?	incised/punctated	Alfred 6 :: Caney 5	shell	sooting/residue; 2204 inked on body
[Social Hill phase]		2205	vessel							
Associated		2206	vessel	2-53	bowl, simple & 1 unmodif shell		plain		shell	2206 inked near base
		2207	bone awl & large muscle shell under pot 2206	X	nonhuman modified					Huddleston note: bone awl and shell found under pot 2206
		2208	skull in fair condition	2-68	human, 2pcs					
Burial 8, adult grave, deep, 5' in yellow clay		2209	vessel, large	2-43	jar, tall rim	Military Road Incised	incised/punctated	Bethel 1 :: Bard 27 (sim.)	grog	sooting; 2209 inked near base
4/20/1940		2210	bowl, sent to Mrs. Z. P. Pierce, Fayetteville, Ark, 1941							
[early Mid-Ouachita phase]		2211	vessel	2-40	jar, tall rim	Military Road Incised	incised/punctated	Beloit 9 :: Bard 1	grog	sooting; reconstructed with plaster; 2211 inked near base
Associated		2212	Caddo pipe under head	2-54	loop pipe					inked 2212
		2213	indicated skull or mandible on diagram	2-76	human, 6 pcs					

Table 3. Reconstructed Grave Lots from Huddleston's Excavations at Lower Meador (3HS19).

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
Burial 9, no bone in grave, 4/27/1940		2217	bowl, perfect	2-25	bowl,simple		engraved/incised	Elgin 4 :: plain	grog + shell	sooting; probe hole; 2217 inked on base
[Social Hill phase]		2218	vase, crushed							
Burial 10, adult grave, 6 pots all broken except bottle		2230	vessel	2-49	bowl, carinated	Sandford Punctated	punctated	Caldwell 3 :: plain	shell + grog	probe hole; 2230 inked on base
5/5/1940		2231	vessel	2-26	bowl, simple		plain		shell	2231 inked on body
[Social Hill phase]		2232	vessel	2-42	jar, tall rim		incised/brushed	Alaska 1 :: Danbury 2	shell	2232 inked near base
Associated		2233	vessel	2-37	jar, tall rim	Foster Trailed-Incised *var. Foster*	incised/appliqued nodes	Alfred 6 :: Baker 16 (type)	shell	sooting; 2233 inked on base
		2234	bottle perfect plain	2-59	bottle		plain		shell	bulbous/spool neck, 2234 inked near base
		2235	saved skull	2-63	human, 2 pcs					
		2236	vessel							
		2237	unid on diagram							
Burial 11, adult grave on top of md, 2 pcs crushed		2240	vessel	2-15	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 14 (sim.)	shell + grog	short spool neck; 2240 inked on base; red pigment in engr.
5/11/1940		2241	vessel	2-27	bowl, carinated	Hodges Engraved *var. Hodges*	engraved	Esther 11 (type) :: Ebbet 13 (sim.)	shell + grog	reconstructed with plaster; 2241 inked; red pigment in engr.
[Deceiper phase] Associated		2242	lower jaw saved	2-69	human, 1 pc					
Burial 12, adult grave under B-11, 4 pcs, celt, 2 bottle		2243	vessel	2-38	bottle		plain		shell	bulbous/spool neck; 2243 inked near base
5/11/1940		2244	vessel	2-39	bottle		plain		shell	short carafe neck; reconstr. with plaster; 2244 inked body
[Social Hill-Deceiper phase]		2245	vessel							
Associated		2246	celt	2-1	celt, petaloid					inked 2246
		2247	vessel							
		2247	skull saved	2-64	human, 12 pcs					
Burial 13, shallow grave, pots all crushed but one		2249	vessel	2-67	bowl,carinated		plain		shell	
5/19/1940		2250	vessel	2-46	jar,short rim	DeRoche Incised *var. Central*	incised	plain :: Antioch 14 (type)	shell	
[Deceiper phase]		2251	vessel	2-21	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 5	shell + grog	bulbous/spool neck; reconstructed with plaster in past
		2252	skull							
Burial 14, child grave, 3 pcs		2253	vessel	2-24	bowl,carinated	Hodges Engraved *var. Nix*	engraved	Esther 12 :: plain	shell	probe holes in base
6/1/1940		2254	vessel	2-58	jar,short rim	DeRoche Incised?	incised/punctated	Caldwell 10? :: Antioch 17	shell	
[Deceiper phase]		2255	vessel	2-14	bottle		plain/red ochre		shell	spool neck; 2255 inked on base; red ochre rubbed on body
Burial 15, adult grave, deep, 7 pots, ear plugs		2256	vessel	2-51	jar,tall rim		incised/brushed	Alaska 1 :: Antioch 1	shell	sooting
6/4/1940		2257	vessel							
[Mid-Ouachita phase]		2258	vessel							
WS dug grave next to this		2259	noded seed jar badly crushed	2-36	seed jar		engraved	Erie 6 :: Emerson 23	grog + shell	4 perforated node handles
		2260	vessel	2-22	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 3 :: plain	shell + grog	2260 inked on body; white pigment in engraving
		2261	earspool							
		2262	earspool							
		2263	skull							
		2264	effigy bowl, crushed, sketch on cat. card, sent to O H Chidester 1944							
Burial 16, adult grave, 12/31/1940		2394	small beautiful glendora bottle	2-16	bottle	Keno Trailed	incised	plain :: Belhaven 6	shell	vertical neck, slight spool; 2394 inked near base
[Social Hill - Deceiper phase]		2395	small beautiful glendora bottle	2-13	bottle	Keno Trailed	incised	plain :: Belhaven 6	shell	vertical neck, slight spool; 2395 inked near base
Associated		2396	saved bones of hands, legs, skull, bad shape	2-62	human, 4 pcs					
Burial X, grave, no pieces with it		2477	saved the skull	2-66	human, 10 pcs					
Burial X, 5/9/1941, Social Hill phase		2489	lone pot, nothing else was near	2-20	bowl,simple		engraved	Erie 6 :: plain	grog + shell	sooting
Hodges, mound		319		2-71	bowl,carinated		punctated/engraved	Elaine? (ungramm.) :: plain	shell	
Hodges, mound		393		2-55	bowl,simple		plain		shell	probe hole; Phillips photo 3810 (Hodges 393)
Hodges, Roher Md?, Bag 186		B186		2-60	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 3 :: plain	grog + shell	catalogued as sherd lot
		B186		2-61	bowl,carinated	Friendship Engraved variant?	engraved	Elaine? (ungramm.) :: plain	shell	catalogued as sherd lot
Hodges, Rohr Md, Bag 197		B197		2-70	bottle		incised	missing :: Belhaven 1 or 14?	shell	neck broken/smoothed for reuse? red pigment in incising
		B197		2-72	bowl,simple		engraved/punctated	Cornell 3, Case 4 :: plain	shell	
		B197		2-73	sherd lot					
		B197		2-74	bowl,simple		plain		shell	probe hole
		B197		2-75	sherd lot					

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
3CL81, Stanford (Huddleston's Site 7):										
Burial 1, in mound, trace bone, 3 pots	43	1303	bowl, whole, rim projections (sketch)	1-1303	car. bowl, in HSU Museum coll	Garland Engraved	engraved	Elgin 2 :: Elmira 32	none (mica)	rattle nodes at rim; Phillips photo 3890 (Hudd 43)
5/14/1938	44	1340	bowl, broken, handle at rim (sketch)	14-20	effigy bowl		appliqued handles		grog + shell	1340 inked; Phil 3904 (Hudd 44), Freeman [no, Stanford]
[Mid-Ouachita phase]	45		bowl, broken, 4 tips on rim (sketch)							
Burial 2?, 5/14/1938, grave to N of B-1			small pot of muscle shell all broken up							
Burial 3, skeleton lying E-W with 4 pots	46	1238	large water bottle, broken	5-18	bottle		plain		shell	vertical neck, sl. spool; 1238 inked; Phil 3986 (Hudd 46)
5/20/1938	47		double human effigy water bottle (sketch)		not located in HSU Museum coll	sim. to Bailey Engraved				Phillips photo 3895 (Hudd 47)/note says at HSTC
[Mid-Ouachita phase]	48		flared bowl							
	49		small water bottle with neck gone							
Burial 5, 5/24/1938, grave w jar, trace bone	50		only one small jar and trace of bone							
Burial 6, 5/24/1938, Proctor (2 burial levels)			second one with 5 pots, 2 chisels, double water bottle							
Burial 7, 5/28/1938, 1 pot, no trace bone	51	1307	water bottle (sketch)	5-31	bottle	Keno Trailed *var. Red Hill*	incised	Bates 5 :: Belhaven 5 (sim.)	shell	bulbous/spool neck, pedestal base; Phil 3863 (Hudd 51)
Burial 8, 5/28/1938, under B-7, 2 pots	52	1436	Rim bowl, white pigment (sketch)	5-17	bowl,carinated	Friendship Engraved *var. Trigg?*	engraved	Erie 2 :: Emporia 2 :: plain	shell	1436 inked; Phillips photo 3903 (Hudd 52)
[Mid-Ouachita? phase]	53		badly crushed, double built bowl, gave to WS/repaired							
Burial 10, 5/28/1938, grave w crushed jar			food jar of muscle shell construction, not saved							
Burial 11, grave w/ 5 pots, one on chest	54	1292		5-30	jar,tall rim	Foster Trailed-Incised *var. Foster*	incised/applique	Alfred 6 :: Baker 22	shell	Phillips photo 3911 (Hudd 54, handwr. 1294 [no 1292])
5/30/1938	55	1308	Flat rim bowl, sketch	5-15	bowl,carinated	Sandford Punctated	punctated	Caldwell 3 :: plain	shell	Phillips photo 3878 (Hudd 55)
[Social Hill phase]	56	1289	jar, sketch	5-10	jar,short rim		incised/punctated	Concord 3 :: Buffalo 14	shell	sooting/residue; probe hole; Phillips photo 3856 (Hudd 56)
	57	1239	water bottle, sketch	5-2	bottle	Keno Trailed	incised	plain :: Belhaven 1, 18 (sim.)	grog + grit	bulbous/spool neck, pedestal; Phillips ph 3896 (Hudd 57)
	58	1298	jar, sketch	5-11	jar,tall rim	Foster Trailed-Incised *var. Foster*	incised/applique	Alfred 2 :: Baker 4	shell	sooting; 1298 inked; Phillips photo 3852 (Hudd 58)
				5-25	bowl,simple	Hardman Engraved (similar)	incised (fine line)	Bates 2? :: plain	shell	no inked #; 1977 cat has 5-25 in B11 but unclear why
Burial 12, grave adj to B-11, 4 pots	59	1290	seed jar	5-20	seed jar		plain		shell	1290 inked on lower body; Phillips photo 3905 (Hudd 59)
5/30-5/31/1938	60	1287	food jar muscle shell	5-32	jar,tall rim	Military Road Incised	incised/punctated	Beloit 1 :: Bard 30 (type)	grog + shell	sooted, 1287 inked; Phillips photo 3913 (Hudd 60)
skull in fair shape, gave to C. Richardson	61		small jar same composition							
[Mid-Ouachita phase]	62		Caddo pipe, black pottery dipped in red clay							
	63	1244	rim bowl crushed	5-12	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 3 :: plain	shell + grog + grit	Phillips photo 3984 (Hudd 63)
			flint scraper							
Burial 13, 5/31/1938, Richardson			Richardson, bottle and small rim bowl							
Burial 14, 6/4/1938, Richardson			2 bowls with handles, large food jar, deep mixing bowl							
Burial 15, 6/4-6/7/1938, Proctor			4 jars and 3 more wrecked pots							
Burial 16, 6/5/1938, 1 crushed pot, no bone	217	1402	1 crushed pot, sketch (part of B-19 to E?)	5-9	bowl,simple		engraved	plain :: Evansville 4	shell + bone	probed; 1402 inked; Phillips photo 3907 (Hudd 217)
Burial 17, 5 pots, trace bone	64	1245	small food jar	5-14	jar,tall rim	Foster Trailed-Incised	incised	Alfred 2 :: Bellarmine 13 (type)	shell	Phillips photo 3862 (Hudd 64)
6/11/1938	65	1284	double water bottle, sketch	5-16	bottle	Adair/Belcher Engraved	engraved	Elgin 26 :: Edith 2 (sim.)	shell + grit	vertical neck, slight spool; Phillips photo 3915 (Hudd 65)
about 6' N of Mr R's Grave 13	66	1242	small flat rim bowl	5-4	bowl,carinated	Cook Engraved	engraved	Eddy 3 :: plain	shell	1242 inked on base; Phillips photo 3902 (Hudd 66)
[Social Hill phase]	67		small flat rim bowl, red material, very soft							
	68	1437	food jar	5-6	jar,tall rim	Caney Punctated variant?	brushed/ridge pinched	Dana 4 :: Curry 4 (type)	shell	blackened int.; Phillips photo 3916 (Hudd 68)
Burial 19, grave w 8 pots, some crushed	69		jar							
6/18/1938	70		bottle, wrecked							
skull too soft to save	71		jar							
[Social Hill-Deceiper phase]	72	1240	bowl	5-19	jar,tall rim	Foster Trailed-Incised	incised/applique	Agnes 1 :: Baker 26 (sim.)	shell	probe hole; Phillips photo 3864 (Hudd 72)
	73		bottle, wrecked							
	74		tall rim jar too rotton to save							
	75		double bottle one end crushed	no #	in HSU Museum coll as no prov			Evansville 4		Phil 3999 (Hudd 75)/ HSU Mus No Prov photo 714319
	76		bottle							
Burial 20, 11/12-11/13/1938, grave w 1 pot	86		food jar, sketch (vert lines on body)							Phil 3997 (Hudd 86); notebook: grave 19 opened 11-13-38
Burial 21, lying E-W, 4 pots, skull	89		food jar whole							
11/26/1938	90	1285	small cooking jar, sketch	5-24	jar,tall rim	Military Road Incised	incised + punctated	Bethel 1 :: Bard 2	grog + shell	blackened, 1285 inkd on rim; Phillips photo 3912 (Hudd 90)
[Mid-Ouachita phase]	91		casuela crushed			Friendship Engraved *var. Meador*	engraved	Elwyn 3 :: plain		Phillips photo 3908 (Hudd 91)
	92		mixing bowl / serated, sketch			Hardman Engraved?	engraved/notched lip			Phillips photo 3995 (Hudd 92)
			saved the skull in fair condition							

Table 4. Reconstructed Grave Lots from Huddleston's Excavations at Stanford (3CL81), Richardson (3CL83), and Rorie (3CL23).

	Huddleston/Hodges			ARAS	ARAS Documentation:					
Grave Information	Cat. #	Cat. #	Huddleston Description	Art. No.	Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
Burial 23, grave w 2 or 3 pots, no bone	87	1293	casuela bowl badly crushed			Friendship Engraved *var. Meador*	engraved	Elwyn 2 :: plain		Phillips photo 3909 (Hudd 87, handwritten 1293)
11/26/1938	88	1283	casuela bowl badly crushed	5-21	bowl,carinated	Friendship Engraved *var. Meador*	engraved	Elwyn 2 :: plain	grog	1283 inked near base; Phillips photo 3952 (Hudd 88)
[early Mid-Ouachita phase]			1 food jar only partly there							
Burial 26, deep grave, 5 pots, no bone	169	1314	water bottle perfect/\broken rim of neck	5-8	bottle		plain		shell	bulbous/spool neck; Phillips photo 3880 (Hudd 169)
3/25/1939	170	1282	small vase	5-7	jar,short rim	Karnack Brushed-Incised?	incised	Austin 1 :: Abraham 3 (type)	shell + bone	Phillips photo 3884 (Hudd 170)
[Social Hill-Deceiper phase]	171		171 & 172 cazuella inverted over a vase							
	172		the vase too near gone to save							
	173	1392	perfect water bottle, trailed design (sketch)	5-3	bottle	Keno Trailed	incised	plain :: Belhaven 1	shell	bulbous/spool neck; Phillips photo 3892 (Hudd 173)
Burial 26 (27?), 3 pots incl turtle effigy		2397		5-5	bottle	Blakely Engraved *var. Blakely*	engraved	plain :: Esop 3	grog + shell	vertical neck, slight spool; 2397 inked near base
1/4/1940 or 1/4/1941		2398								
[Mid-Ouachita-Social Hill phase]		2399	effigy	5-23	effigy bowl	Means Engraved	engraved/appliqued flange/handl	Elgin 1 :: plain	shell	
		2410	bowl or broken bottle?	5-29	bowl,simple		engraved	Erie? :: Elmira? (sim.)	grog + grit	probe hole
Burial X, grave w/ 5 pots, no bone		2784	vessel							
2/28/1943		2785	jar	5-28	jar, tall rim	Foster Trailed-Incised	incised	Agnes 1 :: Baker 1	shell	blackened interior
[Social Hill-Deceiper phase]		2786	vessel							
		2787	jar	5-13	jar,tall rim		incised	Albertus 4 :: Abraham 1	shell	2787 inked near base
		2788	bottle							
Huddleston, Stanford mound	213	1241	vessel	5-1	bowl,simple	Keno related	incised	plain :: Belhaven 2	shell	sooting? Phillips photo 3889 (Hudd 213)
No info (Huddleston 7-3 = Stanford Burial 3?)		1404		5-26	human, 2 pcs					cranium inked 1404, 7-3-A in pencil; mandible 7-3-A pencil
No info (Huddleston 7-3 = Stanford Burial 3?)		1405		5-27	human, 2 pcs					mandible inked 1405a, 7-3-B in pencil; cranium
3CL83, Richardson (Huddleston's site 89):										
Grave 1, no skull found, 3 pieces		2842	cazuela							
11/20/1943		2843	bowl, crushed, sketch on cat. card	3-18	jar,short rim	Cowhide/Foster?	dentate stamped/incised/appliqu	Ferris 1 :: Baker 2	shell	sooting
[Social Hill-Deceiper phase]		2844	bottle broken, opening covered with sherd	3-4	bottle (reused as seed jar)	Belcher Engraved *var. Soda Lake*	engraved	plain :: Elizabeth 1	grog + bone + shell	bottle neck broken/smoothed for reuse as seed jar
Grave 3, 5 pots		2845	owl effigy seed jar, sketch on cat. card	3-9	effigy seed jar		appliqued nodes	Harvey :: plain	shell	probe hole, 2845 inked on base (Trubitt 2017)
11/20/1943		2846	pot, sketched on cat. card	3-10	jar, short rim		incised	Barnard? or Bates 10? :: Baker 18	shell	sooting, 2846 inked near base
[Social Hill phase]		2847	vase, sketched on cat. card	3-15	jar, tall rim	Foster Trailed-Incised	incised/punctated/applique	Concord 10 or Chattanooga 7 (sim.) :: Baker 23 (sim.)	shell	sooting, 2847 inked near base
Associated		2848	cazuela, bowl sketched on cat. card, Bur 2?	3-17	bowl, carinated	Sandford Punctated	punctated	Caldwell 6? :: plain	shell	2848 inked on base
		2849	vessel on diagram							
		2850	human, on diagram	3-21	human, 40 pcs					
Grave 4, 1 pot, 11/20/1943		2851	point on diagram							
		2852	vessel on diagram							
Grave 6, below others, 3 (4) pots		2853	vessel, sketch on card	3-8	beaker or mini-jar		punctated	plain :: Catawba 2?	shell	2853 inked on base
11/20-21/1943 [Social Hill phase]		2854	Glendora bottle, sketch on card			Keno Trailed				
Associated		2855	cazuela, punctated rim, sketch on card	3-6	bowl, carinated	Sandford Punctated	punctated	Caldwell 3 or 6 :: plain	shell + grog	2855 inked on base
		2859	skull indicated on diagram							
		2860	bone (note on diagram about healed fracture)	3-20	human, 4 pcs					
			cazuella, given to Proctor							
Grave 9, 3 pots (Horton took skull)		2856	bottle, sketch on card	3-13	bottle		plain		shell	vertical neck, slight spool
11/21/1943		2857	vase, sketch on card	3-14	jar,short rim	Foster/Pease?	incised	Alfred 2 :: Alpha 1	shell	
[Mid-Ouachita phase]		2858	bowl, sketch on card	3-3	beaker		notched lip	Cornell 10 :: plain	shell	deep bowl or beaker, 2858 inked lower body
Grave 10, isolated grave, 3 pcs (bottle), earspools		2861	bottle, engraved (cat card, repaired 4/20/44)	3-5	bottle	Hodges Engraved *var. Hodges*	engraved	plain :: Ebbet 6 (sim.)	grog + shell	bulbous/spool neck, 2861 inked on base
11/25/1943		2862	bowl, sketch on card	3-16	bowl, carinated	Ripley Engraved?	engraved	Erin (need new) :: plain	shell + grog	blackened int., 2862 inked on body ext.
[Deceiper phase]		2863	earspool, sketch on card	3-1	earspool				shell + grog	ceramic, inked 2863
Associated		2864	earspool	3-2	earspool				shell + grog	ceramic, inked 2864
		2865	vase, sketch on card	3-11	jar, tall rim	Foster Trailed-Incised	incised/appliqued nodes	Andes 9 :: Baker 22	shell	sooting, 2865 inked on base
		2895	bone (diagram indicates femur)	3-19	human, 3 pcs					

Grave Information	Huddleston/Hodges Cat. #	Cat. #	Huddleston Description	ARAS Art. No.	ARAS Documentation: Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
Grave 15, deep, in clay, 7 pieces		2866	vessel	3-12	bowl,carinated	Friendship Engraved *var. Meador*	engraved	Elwyn 3 (type) :: plain	grog + grit	blackened interior
2/5/1944		2867	cazuella, incised, sketch on card							
[Mid-Ouachita phase]		2868	gave pot to Major Forza, Army & Navy Staff 1944							
		2869	vessel							
		2870	gave pot to Major Forza, Army & Navy Staff 1944							
		2871	bottle, plain, sketch on card							
		2872	vessel							
Grave 16 & 17, Proctor, double burial			7 pcs incl double loop bottle (1-340-RP), 2 cazuellas							
Grave 16 (18?), 3/11/1944, no goods		2900	legs; skeleton too soft to save, skull position	X	human, 79 pcs					
No provenience			vessel	3-22	bottle, plain (sherd lot)		plain		grog + shell	unreconstructed sherd lot, straight neck, slight spool, bottle
3CL23, Rorie (Huddleston's Site 6):										
Grave 1, side of small mound, no trace bone	35		rim bowl, gave to Olin 4/11/38							
11/1937	36		water bottle, red clay, not put together yet 2/13/39							
Grave 2, same md as G-1, 3' deep, no bone	37	1203	rim bowl engraved design	8-11	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 1 :: plain	grog + shell	probe hole?, inked 1203; Phillips photo 3956 (Hudd 37)
12/22/1938[1937?] [Mid-Ouachita phase]			other pots too badly wrecked to save							
Grave 3, 4'N of G2, 18" deep, no bone	38	1207	effigy shaped like a frog	8-1	effigy seed jar, quadruped		incised/modeled		grog	Phillips photo 3946 (Hudd 38); Suhm & Jelks 1962:Pl.25F
12/22/1938[1937?], 12/30/1937	39		rim bowl lazy S engraved desgin	8-25	bowl,carinated	Friendship Engraved *var. Meador*	engraved	Elwyn 10 :: plain	grog + shell	paper tag with pen/pencil "6-3-2 grave No 3 with frog 39"
[Mid-Ouachita phase]			small food jar							
Grave 4, E slope md, 24"deep, no trace bone	40	1220	largest rim bowl, engraved, over 41	8-22	bowl,simple	Friendship Engraved *var. Meador*	engraved	Elwyn 15 (sim.) :: plain	grog	1220 inked on base; Phillips photo 3955 (Hudd 40)
3/19/1938	41	1229	large vase like jar	8-23	jar,tall rim	Military Road Incised	incised & punctated	Bethel 1 :: Bard 15	grog	sooting, 1229 inked; Phillips photo 3938 (Hudd 41)
[early Mid-Ouachita phase]			another rim bowl							
			another jar							
Grave 5, NE slope of md, no trace of bone	42	1236	large mouth water bottle etched design	8-3	bottle	Maddox Engraved?	engraved	plain :: Erie 10, Eric 28 (type)	grog	insloping neck; refired vessel?; Phil 3861 (Hudd 42)
3/19/1938			vase like jar							
[early Mid-Ouachita phase]			vase like jar							
			rim bowl							
			rim bowl							
Grave 6, field next to road N of Rorie md	103	1205	water bottle, trailed design sketched	8-28	bottle	Keno Trailed *var. Red Hill*	incised	plain :: Belhaven 31	shell	bulbous/spool neck, pedestal; Phil 3917 (Hudd 103, 1205)
12/22/1938	104		small cazuela bowl							
[Social Hill-Deceiper phase]			skull crushed, saved lower jaw							
Grave 7, E slope of Rorie md, skull decayed	114	1225	seed jar in perfect condition	8-10	seed jar		plain		grog + shell	probe holes, 1225 inked; Phillips photo 3935 (Hudd 114)
1/14/1938 (1939)	115	1227	cazuela inverted over 116	8-15	bowl, carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 20? 40? :: plain	shell + grog	1227 inked on base; Phillips photo 3958 (Hudd 115)
[Mid-Ouachita phase]	116		food jar							
	117		large seed jar badly broken							
	118	1211	cazuela on edge, sketch in notes	X-86	bowl, carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 13 (type) :: plain	grog + shell	1211 inked on base, Phillips photo 3988 (Hudd 118)
	119		water bottle perfect, sketch							
Grave 8, on E, 30" deep, no trace skeleton	120	1223	large grave urn crushed	8-16	jar,tall rim	Military Road Incised	incised & punctated	Bethel 1 :: Bard 14	grog	sooting, 1223 inked; Phillips photo 3987 (Hudd 120)
1/14/1938 (1939), 1/21/1939	121		food jar	8-26	jar,tall rim	Military Road Incised	incised & punctated	Bethel 1 (type) :: Bard 2 (type)	grog	sooting, reconstructed sherd lot
[early Mid-Ouachita phase]	122	1204	cazuela bowl red paint perfect, on top of 121	8-4	bowl,simple	Hempstead Engraved?	engraved	Erie 1 :: Elmira 2	grog	probe scars, 1204 inked on base, Phil 3918 (Hudd 122)
	123		flared rim bowl too rotton to save							
	124	1230	cazuela bowl, perfect	8-5	bowl,simple	Hempstead Engraved	engraved	Erie 2 or 1? :: Elmira 8	grog	1230 inked near base; Phillips photo 3960 (Hudd 124)
	125	1209	redware water bottle perfect, cat card, sketch	8-2	bottle	Crockett Curvilinear Incised (similar)	engraved	plain :: Elmhurst 1 (type)	grog + shell	insloping neck, refired?, 1209 inked; Phil 3939 (Hudd 125)
Grave 9, about 8' S of G-8, no bone, 5 pots	126	1219	round bowl inverted, sketched	8-9	bowl,simple	Hempstead Engraved?	engraved	Erie 11 :: Elmira 12	grog + shell	1219 inked on base; Phillips photo 3853 (Hudd 126)
1/21/1939	127		crushed food jar							
[early Mid-Ouachita phase]	128	1228	crushed jar	8-14	jar, short rim	Military Road Incised variant?	incised & punctated	Beloit 6 :: Abraham 6	grog	sooting; Phillips photo 3872 (Hudd 128)
	129	1389	bowl, sawtooth rim	8-17	bowl,simple		engraved/excised	Cornell 9, Elgin 1 :: plain	grog	1389 inked; Phillips photo 3954 (Hudd 129)
	130	1126	crushed seed jar, repaired							
Grave 10, shallow grave in md, 2/11/1939	149		celt in perfect condition (pots were smashed)							
Grave 11, shallow grave in md, 2/11/1939 15	151?	1208	perfect seed jar only 8" under the surface	8-19	seed jar		plain		shell + grog	1208 inked; Phillips photo 3934 (Hudd 151 [prob. 150])
Rorie Mound	212	1233	vessel	8-21	jar,tall rim	Military Road Incised variant?	incised/punctated/applique	Bethel 1 :: Bard 10, 40 (sim.)	shell	sooting, 1233 inked; Phillips photo 3899 (Hudd 212)
Rorie Mound	214	1224	vessel	8-13	beaker	Hempstead Engraved	engraved	Erie 13 :: Eccles 1	shell + grog	perforated lugs; 1224 inked; Phil 3859 (Hudd 214)

Table 4 continued. Reconstructed Grave Lots from Huddleston's Excavations at Stanford (3CL81), Richardson (3CL83), and Rorie (3CL23).

	Huddleston/Hodges			ARAS	ARAS Documentation:					
Grave Information	Cat. #	Cat. #	Huddleston Description	Art. No.	Vessel Form	Type/Variety	Surface/Decoration	Descriptive	Temper	Comments
isolated piece from Rorie fields near road	216		vessel							
Rorie Mound	219	1221	vessel	8-12	jar,tall rim	Military Road Incised	incised & punctated	Bethel 27 :: Bard 1	shell	sooting, 1221 inked rim; Phillips photo 3898 (Hudd 219)
Grave 12, S side of md, 20" deep, only teeth		2086	large food jar crushed							
12/9/1939		2087	cazuela unpside down	8-6	bowl,carinated	Friendship Engraved *var. Freeman*	engraved	Elaine 21 :: plain	grog	2087 inked on body
[Mid-Ouachita phase]		2088	Caddo pipe (sketch loop pipe)							
Grave 13, S slope of largest md, no bone		2099	bottom part of seed jar	8-20	seed jar fragment		plain		grog	2099 inked on side
1/1/1940		2100	vase, crushed	8-24	jar,tall rim	Sinner Linear Punctated	punctations	Cambridge 6 (type) :: Carver 30 (type)	grog	sooting, partial vessel, 2100 inked near base
[early Mid-Ouachita phase]		2101	vase, crushed	8-18	jar,tall rim	Military Road Incised	incised & punctated	Bethel 1 :: Bard 14	grog	sooting, 2101 inked at base
found 2 pcs		2392	vessel, plain bottle	8-8	bottle		plain		shell + grog	vertical neck, slight spool
12/7/1940 [phase]		2393	vessel, plain vase with rosett punctates							
grave B-X, 7 pots, all past saving, 2/19/1944		2873	brought home 2 bottles (gave 1 to Mr Charlie)							
grave, pots not salvaged, quiver of arrows 2/19/1944		2874	to 2891 - 19 arrows, fine chalcedony & chert, cat card (Maud type?)							
Mr Charlie's grave, twin burial, 2/19/1944		2894	leg bones very hard, I saved 3 of them							
No information		1386		8-7	bowl,carinated	Means/Cook Engraved variant?	engraved	Enos 10 :: plain	grog + shell	1386 inked, misidentified as Phillips ph 3988 (Hudd 118)
No information				8-27	bowl,carinated	Friendship Engraved *var. Meador*	engraved	Elwyn 15 :: plain	grog	partial vessel, reconstructed from sherd lot, no inked #

the Red River valley [Kelley 1997:39]) is rare in this mortuary assemblage. A relatively recent addition to our documentation protocol was vessel volume (see Perttula et al. 2009). Over half of the measured vessels (27 of 48, or 56 percent) were 1.0 L or smaller, with only seven vessels larger than 2.0 L. Some of the vessels show evidence of prior use. Sooting, charred residues, or blackening is described on 66 percent (n=38) of the jars and 10 percent of the bowls (n=6) in this sample. Two bottles with broken necks show some evidence of smoothing at the breaks, perhaps for reuse as seed jars.

Of the 167 vessels, 23 vessels (14 percent) are tempered with grog (crushed potsherds or dried clay), 91 (54 percent) with crushed mussel shell, 50 (30 percent) with a mixture of shell and grog, and 3 (2 percent) with a mixture of shell and bone or grog, shell, and bone. Of the total, 142 (85 percent) are decorated, while 25 (15 percent) are plain. Decorative treatments to vessel rim and body were coded using the descriptive or "collegiate" system (e.g., Early 1993; Kelley 1997; Rolingson and Schambach 1981; Schambach and Miller 1984). Major categories of decoration are differentiated as classes (incising, Class A and B; punctations, Class C; brushing, Class D; engraving, Class E; stamping, Class F; slipped surfaces, Class G; and appliques, Class H), with named patterns and numbered design variations within each pattern. Decorated rims and bodies of coded vessels were mainly incised (35 percent of rim decorations, 66 percent of body decorations), engraved (36 percent of rim decorations, 25 percent of body decorations), and punctated (21 percent of rim decorations, 5 percent of body decorations). Surface treatment and decoration have been used to categorize vessels to recognized types, with temper as a secondary consideration. Type (and variety) names follow Early (1988, 1993, 2000a), Kelley (1997), Phillips (1970), Schambach and Miller (1984), Suhm and Jelks (1962), and Wood (1981). Friendship Engraved, Foster Trailed-Incised, Keno Trailed, Hodges Engraved, Military Road Incised, and Sandford Punctated were the most frequent types recorded (Table 5).

Using published information on the temporal distribution of Caddo ceramic types from Hardman (Early 1993) and other sites in the region, as well as data on the vessels within each grave lot and site, a ceramic seriation was created. A simplified version (that does not include all the vessels) of the grave lot seriation for the eight sites is shown in Table 6. While some vessels may have been curated or heirloomed, it is likely that most of the vessels and other objects placed in a grave were in use at the same time.

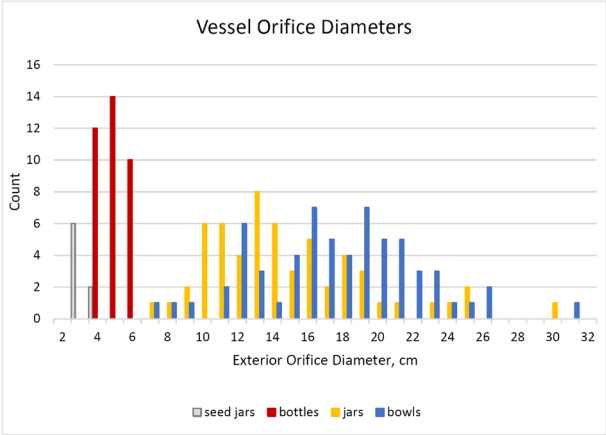

Figure 2. Size distribution of bottles, bowls, jars, and seed jars using vessel orifice diameters.

Type	Count
Adair/Belcher Engraved	1
Bailey Engraved	1
Belcher Engraved (incl. *var. Belcher*, *Soda Lake*)	3
Blakely Engraved (incl. *var. Blakely*, *Witherspoon*)	3
Caney Punctated (variant?)	1
Cook Engraved	2
Crockett Curvilinear Incised (similar)	1
DeRoche Incised (incl. *var. Central*)	4
Emory Punctated-Incised?	1
Foster Trailed-Incised (incl. *var. Dobson*, *Foster*)	15
Foster/Caney?, Foster/Cowhide?, Foster/Pease?	4
Friendship Engraved (incl. *var. Freeman*, *Meador*, *Trigg?*)	15
Hardman Engraved (similar)	1
Hempstead Engraved	4
Hodges Engraved (incl. *var. Hodges*, *Nix*)	12
Karnack Brushed-Incised (incl. *var. Fish Bayou*, *Midway*)	4
Keno Trailed (incl. *var. Curtis*, *Red Hill*)	12
Keno related, Keno/Wallace?	6
Maddox Engraved?	1
Means Engraved, Means/Cook variant?	3
Military Road Incised, MRI variant?	11
Mound Tract Incised/Brushed (Cowhide Stamped)	1
Natchitoches/Hodges Engraved	1
Old Town Red?	1
Owens Punctated (similar)	1
Ripley Engraved?	1
Sandford Punctated	6
Sinner Linear Punctated	1
untyped vessels	50

Table 5. Listing of Vessels by Type.

In the Middle Ouachita River valley, grog temper was common throughout the Caddo period, but mussel shell appears as a temper during the Mid-Ouachita phase, beginning in the late 1300s to early 1400s (Early 1993; Perttula et al. 2011). A set of

| Site | Site Name | Burial | shell tempering? | engraved bottle, insloping neck | plain::Elmhurst or Erie, Eric | Hempstead Engraved | Eric::Elmira | Sinner Linear Punctate | Cambridge::Carver | Military Road Incised | Bethel or Beloit::Bard | Friendship Engraved *var. Meador* | Elwyn::plain | Friendship Engraved *var. Freeman* | Elaine::plain | plain or engraved seed jar | plain::plain or Elgin or Erie::Emerson | plain bottle, vertical neck, slight spool | effigy seed jar or effigy bowl | H::H | Garland Engraved | Elgin::Elmira | Blakely Engraved *var. Blakely* | plain or Elgin::Esop | Means Engraved | Enos or Elgin::plain | Blakely Engraved *var. Witherspoon* | plain or Elgin::Emil | Adair/Belcher Engraved | Elgin::Edith | Cook Engraved | Ezra or Eddy::plain | Foster/Pease, Foster/Caney jar | Alfred::Alpha or Antioch or Caney | Foster Trailed-Incised *var. Foster* | Alfred::Baker | Foster Trailed-Incised *var. Dobson* | Arlis::Baker | Sandford Punctated | Caldwell or Concord or Cedar::plain | Foster Trailed-Incised | Chattanooga or Concord or Carbon::Baker | Keno Trailed *var. Curtis* | plain::Belhaven | plain bottle, bulbous/spool neck | Keno Trailed | plain::Belhaven or C::Belhaven | Keno Trailed *var. Red Hill* | plain or Bates::Belhaven | Foster Trailed-Incised | Andes or Agnes::Baker | Bailey Engraved bowl or bottle | plain::Evansville or Eugene | Keno-related or Keno/Wallace | plain::Belhaven, plain::Buffalo | Mound Tract / Cowhide Stamped | Ferris::Drury or Baker | Belcher Engraved *var. Soda Lake* | plain::Elizabeth | Belcher Engraved *var. Belcher* | Central or Ezra::plain | Hodges Engraved *var. Hodges* | plain or Elgin or Esther::Ebbet | Hodges Engraved *var. Nix* | Esther::plain | Old Town Red | G::G | Karnack Brushed-Incised | plain or Dana::Abraham | DeRoche Incised | plain or Caldwell::Antioch or Adrian | |
|---|---|---

early Mid-Ouachita phase (or transitional East - Mid-Ouachita phases) grave lots had only grog-tempered vessels, as well as early types such as a bottle engraved with a Crockett Curvilinear-Incised design, a Sinner Linear Punctate jar, and Hempstead Engraved bowls, along with more common Mid-Ouachita phase types, such as Military Road Incised jars and Friendship Engraved carinated bowls (Figure 3). East Incised, a characteristic East phase type, was not present. Sinner Linear-Punctated and Friendship Engraved vessels were found in the same grave lot at Ferguson (3HE63) as well (Chowdhury 2018). Plain and engraved seed jars (Watermelon Island seed-jars [Hodges and Hodges 1945]) were characteristic of Mid-Ouachita phase grave lots at the sites in this study.

Few Blakely Engraved bottles, either *var. Blakely* with diagonal lines or *var. Witherspoon* with vertical lines (Early 1993:87; Hodges and Hodges 1945) were found at these sites. At Hardman, a Blakely Engraved *var. Witherspoon* bottle was found in a terminal Mid-Ouachita phase grave with Friendship Engraved *var. Freeman*, Garland Engraved, Hardman Engraved, and Cook Engraved bowls, a Belcher Engraved and a plain bottle, and a Caney Punctated jar (Early 1993:87, 112). Here, a Blakely Engraved *var. Blakely* bottle was found in a late Mid-Ouachita to Social Hill phase grave lot from Stanford with a Means Engraved effigy bowl and an untyped engraved bowl (Trubitt 2017:Figure 1). Blakely Engraved *var. Witherspoon* bottles were found in grave lots from Trigg (with an untyped incised jar) and Ashby (Figure 4, with a Sandford Punctated bowl, a Foster Trailed-Incised jar, and two untyped incised jars), the latter types used as Social Hill phase markers.

Foster Trailed-Incised jars and Keno Trailed bottles, each showing a range of patterns and designs, were found in Social Hill phase grave lots, with some variants extending into the Deceiper phase. Sandford Punctated, a bowl form found at Ouachita Mountains sites (Starr 2017; Wood 1981), is represented by six vessels in the JEC Hodges Collection. It may replace Cook Engraved as a bowl form later in the Social Hill phase. Hodges Engraved bottles and bowls were used in the seriation as Deceiper phase markers, along with Karnack Brushed-Incised and DeRoche Incised jars (Figure 5). Types such as Belcher Engraved and Old Town Red continue the trend of pottery types coming from outside the region during the Deceiper phase, a trend identified at Hardman (Early 1993:95-96, 226).

Bottle shapes clearly changed through time and may vary within a decorative type as well. Figure 6 shows examples of the change from bottles with insloping necks (early Mid-Ouachita phase) to vertical necks with slightly everted lips (Mid-Ouachita phase), to bulbous necks with everted lips or "spool" shape (Social Hill and Deceiper phases), to the "spool" neck seen in some Deceiper phase bottles.

At Hardman, Early (1993:Table 15) found a shift in vessel forms used in grave lots through time. Earlier grave lots (Mid-Ouachita phase) had a predominance of carinated bowls relative to bottles, while later grave lots (Social Hill and Deceiper phases) had a predominance of bottles relative to carinated bowls. This pattern is also seen in the analyzed vessels from grave lots in this study (Figure 7), although there is not as great a difference here, perhaps because some vessels from Huddleston grave lots were not collected or have not been identified in documented collections.

Other Artifacts

Several of the Huddleston grave lots had objects other than ceramic vessels. The few arrow points came from grave lots identified as Social Hill or Deceiper phase deposits. From Upper Meador Burial 1 were seven arrow points (Figure 8; one typed as Bassett, three with side notches and incurved bases typed as Maud *var. Hopper*, two with slight side notches and straight bases typed as Maud or Washita, and one triangular Maud *var. Maud* or Fresno/Talco point with serrated blade edges and straight to slightly incurved base). Most were made using novaculite. Upper Meador Burial 6 had a Gary *var. Camden* knife made using novaculite. Lower Meador Burial 4 had four novaculite arrow points, all of different types (a small contracting-stemmed Gary *var. Camden* point, a corner-notched Womble point, a Maud *var. Maud* point, and a Bassett point). This grave also contained three polished and socketed antler or bone points (and an unmodified? fish? bone). Similar point types are found in Late Caddo period contexts at sites elsewhere in southwest Arkansas (Early 1988; Kay 1984). Gary *var. Camden* points (Schambach 1998) may

Figure 3. Ceramic vessels from an early Mid-Ouachita phase grave lot (Rorie Grave 8, 77-1/8-2, 4, 5, 16, 26), with Military Road Incised jars, Hempstead Engraved bowls, and a bottle engraved with a design similar to Crockett Curvilinear Incised.

Figure 4. Ceramic vessels from a Social Hill phase grave lot (Ashby Burial 1, 77-1/22-1, 2, 3, 4, 5), with a Foster Trailed-Incised and two untyped incised jars, a Sandford Punctated bowl, and a Blakely Engraved *var. Witherspoon* bottle.

Figure 5. Ceramic vessels from a Deceiper phase grave lot (Lower Meador Burial 3, 77-1/2-12, 34, 35, 50), with a Hodges Engraved *var. Hodges* bottle and *var. Nix* bowl, a Mound Tract Incised/Brushed jar, and a large sherd from a Karnack Brushed-Incised *var. Fish Bayou* jar.

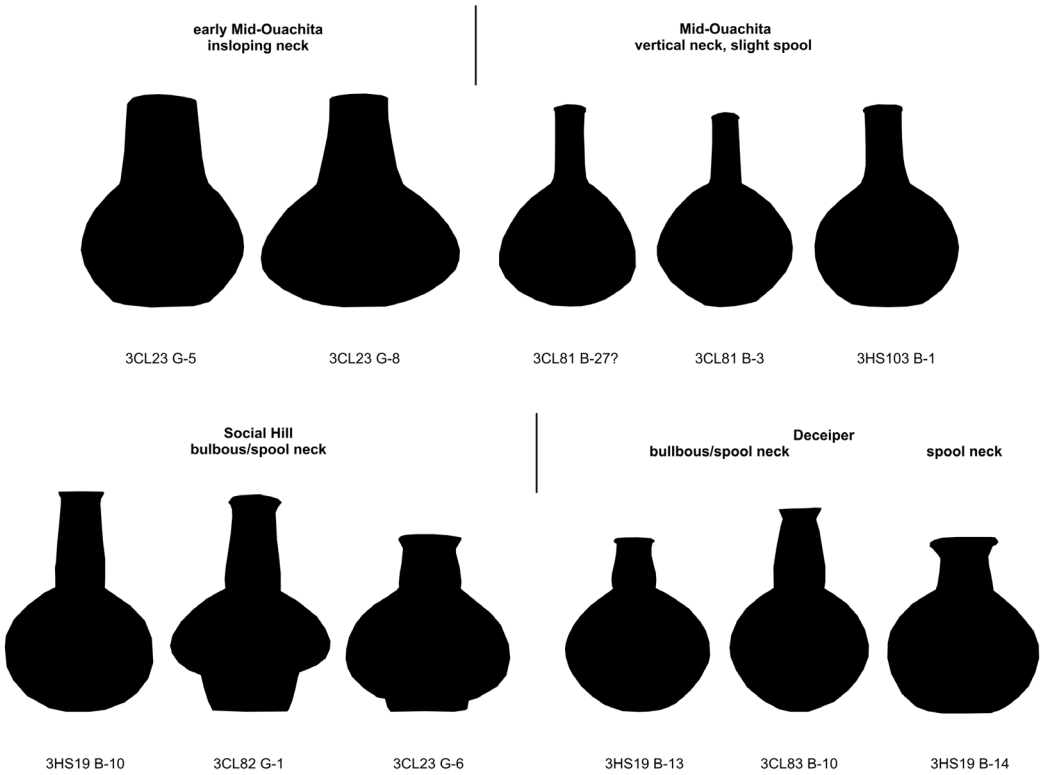

Figure 6. Changes in bottle neck shape through time (bottles are not all shown at the same scale; instead, images were resized to keep body heights consistent).

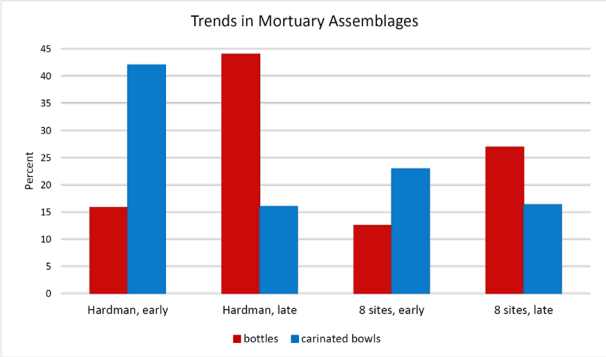

Figure 7. Trends in deposition of bottles and carinated bowls in early (Mid-Ouachita phase) and late (Social Hill, Deceiper phases) mortuary assemblages, comparing analyzed vessels Hardman (Early 1993:Table 15) with the eight sites in this study.

Figure 8. Arrow points from Social Hill phase Upper Meador Burial X or 1 (77-1/4-8, Bassett, Maud *var. Hopper*, Maud or Washita, and Maud *var. Maud* or Fresno/Talco point).

be heirlooms or the type may have been in use as a knife long after the Woodland period.

A large petaloid celt (19.8 cm in length), pecked and polished from fine-grained igneous rock, came from Lower Meador Burial 12. Disc beads (n=17 beads plus fragments, originally catalogued as 22 beads) of marine shell (most likely *Busycon* sp., whelk) were found in Lower Meador Burial 1 (Huddleston noted they were with a child's skeleton). Measurable beads ranged from 7.7-10.0 mm in diameter, 5.3-9.4 mm in length, with 2.7-4.5 mm perforations. Marine shell, shaped into a variety of ornaments or cut for use as cups, has been found in mortuary contexts across the Caddo Area (Girard et al. 2014:94-99). A deer ulna awl and unmodified freshwater mussel shell (*Megalonaias nervosa*, washboard) was found in Lower Meador Burial 7. A ceramic pipe came from Lower Meador Burial 8. Its loop style is characteristic of the Mid-Ouachita phase (Early 2002b). The individual in Richardson Grave 10 was buried with two pulley-shaped unperforated earspools made of ceramic tempered with fine shell and grog. These earspools have smooth/plain outer and inner faces, and inner flanges that are only slightly smaller than outer flanges (inner 3.4-3.5 cm diameter, outer 3.8-3.9 cm diameter). Earspools from sites in southwest Arkansas were more often made of stone than ceramic (e.g., Bohannon 1973; Early 1988).

Discussion and Conclusions

Based on Huddleston's notes and analysis of artifacts from grave lots at Trigg and Cook, Upper Meador and the nearby Ashby site, Lower Meador and the Stanford, Richardson, and Rorie site cluster were inhabited and used for community burials during the Mid-Ouachita, Social Hill, and Deceiper phases (A.D. 1350-1700). While most of the sites show a temporal range, more of the grave lots from Stanford, Richardson, and Rorie dated stylistically to the Mid-Ouachita phase, while the majority of grave lots from Cook, Upper Meador and Ashby, and Lower Meador dated to the Social Hill and Deceiper phases (Table 7).

In all, the majority of the grave lots from the eight sites (38 of 62, or 61 percent) were assigned to the Social Hill or Deceiper phases (A.D. 1500-1700). If we shift our view from the mortuary assemblages to the communities living in the Middle Ouachita River valley in the past, this indicates a populous region during the Social Hill and Deceiper phases (or, alternatively, a large number of deaths at this time). The Middle Ouachita River valley was not depopulated following the Spanish expedition of Hernando de Soto in 1541-1542. Instead, the major changes came at the beginning of the 1700s (see also Perttula 2017:132). Sites were abandoned and Caddo communities moved out of the area, presumably joining related groups further to the south. Archeological evidence for European-made trade goods is lacking from sites in the Middle Ouachita River valley (Early 2000b), whereas Historic Caddo sites continued into the eighteenth century in northwest Louisiana and east

		Trigg & Cook		Upper Meador & Ashby		Lower Meador	Stanford, Richardson & Rorie			
	Phase	3CL26	3CL82	3HS33	3HS103	3HS19	3CL81	3CL83	3CL23	Total
AD 1350-1500	early Mid-Ouachita					1	1		5	7
	Mid-Ouachita	1		1		1	5	2	5	15
	Mid-Oua./ Social Hill	1					1			2
AD 1500-1700	Social Hill		2	1	1	5	2	2		13
	Social Hill/ Deceiper		1	1		3	5	1	1	12
	Deceiper		2	4		6		1		13
	Total	2	5	7	1	16	14	6	11	62

Table 7. Distribution of Grave Lots by Phase.

Texas (Girard et al. 2014:122-130; Perttula 2017:217-246). Perhaps Caddos in the Middle Ouachita River valley moved southward to participate in trading opportunities with the French and Spanish colonists.

This paper describes ceramic vessels and other artifacts excavated from eight sites along the Caddo and Ouachita rivers in the vicinity of Arkadelphia, Arkansas by amateur archeologist Vere Huddleston between 1937 and 1944. These artifacts later became part of the Joint Educational Consortium's (JEC) Hodges Collection. The documented artifacts show that these archeological sites - Trigg (3CL26) and Cook (3CL82), Upper Meador (3HS33) and Ashby (3HS103), Lower Meador (3HS19), and Stanford (3CL81), Richardson (3CL83), and Rorie (3CL23) - were ancestral Caddo Indian communities.

Based on Huddleston's notes on burials he dug at these sites, we can link artifacts (and in some cases, human remains) to specific graves. A total of 167 vessels and 44 other objects (12 arrow points, a celt, a pipe, two ceramic earspools, and 28 bone/shell artifacts) in the JEC Hodges Collection from these eight sites have been documented in this study. Most of these are from 62 grave lots that can be dated, using stylistic and technological characteristics of the artifacts, to the Mid-Ouachita, Social Hill, and Deceiper phases (ca. A.D. 1350-1700). Of these 62 grave lots, 11 (eight from Lower Meador and three from Richardson) are associated with human remains in the collection (another two grave lots have human remains but no artifacts, and human remains from Stanford and Upper Meador are from unknown context). These remains and associated funerary objects (34 vessels and 36 other objects) have been transferred to the ARAS-CO for NAGPRA documentation. Artifacts from the other 51 grave lots are considered unassociated funerary objects (118 vessels and eight other objects). Context is unclear for 15 vessels.

This study has been undertaken in part to advise the Joint Educational Consortium and the Caddo Nation of Oklahoma, and provide information for the NAGPRA process. Analysis of stylistic and technological characteristics of the ceramic vessels resulted in a seriation of grave lots. Reconstruction of grave lots provides information about artifacts that were deposited contemporaneously, even if they were not all made at the same time or in the same community (in several instances, grave lots contained vessels that may have been kept as heirlooms or are types found more often in other regions). The results reinforce patterns recognized by Early at the nearby Hardman site, but also point to some new findings (for example, Sandford Punctated appears as a common Social Hill phase type at these sites). The artifacts in the grave lots indicate that there were active Caddo communities in this part of the Middle Ouachita River valley between at least A.D. 1350 and 1700. While other regions of Arkansas saw populations decrease after the de Soto expedition, the sites in this study indicate local communities continued until the end of the seventeenth century.

Acknowledgments

The Joint Educational Consortium's Hodges Collection (which includes Huddleston's materials) is curated at

Henderson State University in Arkadelphia, Arkansas (human remains and associated funerary objects are at the Arkansas Archeological Survey's Fayetteville office for NAPGRA documentation and publication). There are a few vessels from Huddleston grave lots that are in HSU Museum collections (currently on long-term loan to the Historic Arkansas Museum in Little Rock). Original Huddleston and Hodges notes and records are curated at HSU Archives, with copies on file at the ARAS-HSU research station. The documentation of vessels in the Huddleston grave lots in the JEC Hodges Collection follows a protocol originally developed by Ann Early. Documentation has taken many years and I appreciate the help of the ARAS-HSU station assistants and lab volunteers who have worked with me on the analysis and photography, including Milton Hughes, Kate Wright, Matthew Reynolds, Jeffrey Gaskin, Vanessa Hanvey, Katie Leslie, Chelsea Cinotto, Mary Ann Goodman, Janice Fisher, Florence Davis, Judy Thye, John Chapman, Jim Hudgins, and Patsy Mathews. Vessel documentation during 2006-2007 was funded in part by a grant from the Ross Foundation. Robert Scott (ARAS-UAPB) identified the mussel shell from Lower Meador Burial 7 from a photograph. Thank you to Ann Early and Sarah Hunt Shepard, and to an anonymous reviewer, for comments on earlier drafts of this paper.

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JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-4 / 2187 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	1813, N22949
Type	Keno Trailed *var. Red Hill*
Decoration	incised
Rim :: Body	plain :: Belhaven 31
Paste	SOFT, SMOOTH, SLIGHTLY CRUMBLY, MICA IN PASTE
Temper	SHELL (PARTLY LEACHED), FINE & ABUNDANT + GROG, FINE & MED ABUNDANT
Core Color (Munsell)	GRAY (10YR5/1) (CORE MODE B)
Exterior Color (Munsell)	PALE BROWN (10YR6/3), VERY DARK GRAY (10YR3/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	17.0
Vessel Overall Weight (g)	702
Vessel Maximum Diameter (cm)	16.7
Volume (liters)	
Usewear/Sooting/Condition	BASE SHOWS ABRASIONS, HEAVILY WORN, BOTTLE LIP ALSO LOOKS WORN/ERODED; FIRECLOUDING ON BODY; RECONSTRUCTION IN PAST; 2187 INKED ON LOWER BODY
Shape/Description	SQUAT GLOBULAR BOTTLE WITH SHORT CYLINDRICAL NECK, FLARED RIM, OUTSLANTING PEDESTAL
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	5.7
Rim/Neck Height (cm)	3.8
Neck Mid/Base Exterior Diameter (cm)	5.1 / 5.2
Rim/Neck Shape/Angle	SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & POLISHED
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	LOW-WAIST
Body Maximum Diameter (cm)	16.7
Body Height (cm)	12.0
Body Surface/Decorative Treatment	SMOOTHED & POLISHED; CURVILINEAR INCISING, NESTED LINES, SWIRLS, 1MM LINES, 4MM APART, REPEATS 4X AROUND UPPER BODY
Base Shape/Curvature	CIRCULAR/FLAT, PEDESTAL
Base Diameter/Height (cm)	6.6 - 8.0 / 1.2
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 4, 3/26/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-5 / 2169 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	1805, N23120
Type	Keno related
Decoration	incised
Rim :: Body	plain :: Belhaven 2
Paste	SOFT, COMPACT
Temper	SHELL (LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	GRAY (7.5YR5/1) (CORE MODE F)
Exterior Color (Munsell)	VERY DARK GRAY (7.5YR3/1) FIRECLOUDS, PINK (7.5YR7/3), WHITE (7.5YR8/1)
Interior Color (Munsell)	REDDISH YELLOW (7.5YR6/6), VERY PALE BROWN (10YR7/4)
Vessel Overall Height (cm)	6.7
Vessel Overall Weight (g)	81
Vessel Maximum Diameter (cm)	9.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; CHIP IN LIP, MINOR REPAIR IN PAST; 2169 INKED NEAR BASE
Shape/Description	SMALL GLOBULAR JAR WITH FLAT OVAL BASE AND SHORT FLARING RIM
Lip Treatment/Shape/Angle/Thickness	SMOOTHED, ROUNDED, NONE, 0.3
Orifice Exterior Diameter (cm)	9.5
Rim/Neck Height (cm)	1.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	8.2
Body Height (cm)	5.4
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED/TRAILED, 4MM WIDE LINES, 6-8MM APART, CURVILINEAR, INTERLOCKING SCROLLS REPEATS 5X AROUND BODY
Base Shape/Curvature	OVAL/FLAT
Base Diameter/Height (cm)	3.2 x 2.9
Base Surface/Decorative Treatment	BURNISHED/PLAIN
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with adult in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-6 / 2178 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	1207
Type	Old Town Red?
Decoration	red slipped
Rim :: Body	G :: G
Paste	SOFT, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MED TO COARSE, ABUNDANT
Core Color (Munsell)	GRAY (10YR6/1)
Exterior Color (Munsell)	RED (2.5YR4/8), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	RED (2.5YR4/8), GRAY (10YR6/1)
Vessel Overall Height (cm)	4.7
Vessel Overall Weight (g)	68
Vessel Maximum Diameter (cm)	10.9
Volume (liters)	
Usewear/Sooting/Condition	VESSEL HAS BEEN RECONSTRUCTED WITH GLUE IN PAST, LUGS PARTIALLY BROKEN
Shape/Description	VERY SMALL, SHALLOW BOWL, EGG-SHAPED, SLIPPED, TWO VERY SMALL LUGS (ONE ON EACH SIDE OF VESSEL)
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE (DIRECT)
Orifice Exterior Diameter (cm)	10.9
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED SLIGHTLY, RED SLIPPED, UNEVEN (ERODED)
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	CONVEX OR ELONGATED (BODY CONTINUOUS WITH BASE)
Body Maximum Diameter (cm)	10.1
Body Height (cm)	4.7
Body Surface/Decorative Treatment	SMOOTHED; RED SLIPPED (ERODED) INTERIOR, EXTERIOR
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	2 LUGS/TABS, 1 ON EITHER SIDE OF VESSEL AT LIP (1 BROKEN)
Notes	Huddleston Burial 2, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-11 / 2180 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	1831, N13153
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SMOOTH, COMPACT
Temper	SHELL (PARTIALLY LEACHED), coarse & abundant
Core Color (Munsell)	RED (2.5YR4/8), LIGHT GRAY (5YR7/1), LIGHT RED (2.5YR6/6)
Exterior Color (Munsell)	BLACK (5Y2.5/1), RED (2.5YR5/8), LIGHT REDDISH BROWN (5YR6/4)
Interior Color (Munsell)	BROWN (7.5YR4/3), RED (2.5YR5/6), VERY DARK GRAY (5YR3/1)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	250
Vessel Maximum Diameter (cm)	13.6
Volume (liters)	0.6
Usewear/Sooting/Condition	ROUGHENED BASE; POSSIBLE SOOT AT RIM/BODY JUNCTURE, FIRECLOUDING PRESENT; MISSING MUCH OF RIM AND LIP, VERY ERODED; 2180 INKED ON BASE
Shape/Description	SMALL SHORT RIM JAR OR BOWL; LINE BETWEEN BODY/RIM IS JUNCTION RATHER THAN DECORATION
Lip Treatment/Shape/Angle/Thickness	SMOOTHED, ROUNDED, NONE, 0.3
Orifice Exterior Diameter (cm)	13.6
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Outslanted
Rim/Neck Surface/Decorative Treatment	BURNISHED
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	HIGHWAISTED
Body Maximum Diameter (cm)	11.8
Body Height (cm)	6.0
Body Surface/Decorative Treatment	BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	BURNISHED
Appendages/Handles	
Notes	Huddleston Burial 2, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-12 / 2183 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	1177
Type	Hodges Engraved *var. Nix*
Decoration	engraved
Rim :: Body	Esther 12 (type) :: plain
Paste	HARD, COMPACT
Temper	GROG, FINE & SPARSE, VERY FEW SURFACE VOIDS
Core Color (Munsell)	LIGHT BROWNISH GRAY (10YR6/2)
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), BROWN (7.5YR4/2)
Interior Color (Munsell)	VERY DARK GRAY (7.5YR3/1)
Vessel Overall Height (cm)	9.5
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	18.5
Volume (liters)	
Usewear/Sooting/Condition	VESSEL WAS RECONSTRUCTED WITH GLUE IN PAST, SEVERAL SMALL PCS MISSING
Shape/Description	CARINATED BOWL, ROUNDED BOTTOM, ENGRAVED RIM
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY THICKENED
Orifice Exterior Diameter (cm)	16.7
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED-SCROLL WITH TICKED LINE, CROSSHATCHING, BALLS, REPEATED 6X AROUND RIM
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	CONVEX (CONTINUOUS BODY/BASE)
Body Maximum Diameter (cm)	18.5
Body Height (cm)	6.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-13 / 2395 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	1825, N20624
Type	Keno Trailed
Decoration	incised
Rim :: Body	plain :: Belhaven 6
Paste	HARD, SMOOTH, COMPACT
Temper	SHELL (PARTLY LEACHED), FINE & ABUNDANT
Core Color (Munsell)	PALE BROWN (10YR6/3)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2), V PALE BROWN (10YR7/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	22.7
Vessel Overall Weight (g)	600
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	NECK GLUED TO VESSEL IN PAST, SOME SHERDS MISSING (PROBE DAMAGE?), CRACKS; 2395 INKED NEAR BASE
Shape/Description	BOTTLE, SMALL
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.4
Orifice Exterior Diameter (cm)	4.1
Rim/Neck Height (cm)	10.0
Neck Mid/Base Exterior Diameter (cm)	4.1 / 4.5
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	BURNISHED
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	13.7
Body Height (cm)	12.6
Body Surface/Decorative Treatment	BURNISHED; INCISED/TRAILED 2MM WIDE LINES, 5-8MM APART CUT INTO DRY PASTE - INTERLOCKING SCROLLS ON TOP OVER 4 NESTED INVERTED ARCHES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 16, 12/31/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-14 / 2255 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	1296
Type	
Decoration	plain/red ochre
Rim :: Body	
Paste	HARD, COMPACT, MICA IN PASTE
Temper	SHELL (LEACHED)
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), RED (10R5/8) OCHRE
Interior Color (Munsell)	GRAY (10YR5/1)
Vessel Overall Height (cm)	13.0
Vessel Overall Weight (g)	246
Vessel Maximum Diameter (cm)	11.0
Volume (liters)	
Usewear/Sooting/Condition	LIGHT WEAR ON BASE; BOTTLE IS INTACT; 2255 INKED ON BASE
Shape/Description	SMALL GLOBULAR BOTTLE ROUNDED BASE-SHORT NECK WITH OUTFLARED RIM-PLAIN-LOOKS LIKE BODY RUBBED WITH RED OCHRE RATHER THAN APPLIED SLIP
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED/FLARED
Orifice Exterior Diameter (cm)	5.0
Rim/Neck Height (cm)	3.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	11.0
Body Height (cm)	9.2
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN-RED OCHRE APPLIED TO BODY-LOOKS RUBBED ON RATHER THAN APPLIED AS SLIP
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 14, 6/1/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-15 / 2240 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3412
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 14 (sim.)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (PARTLY LEACHED), FINE & ABUNDANT + GROG, FINE & SPARSE
Core Color (Munsell)	BLACK (10YR2/1) (CORE MODE F)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), PALE BROWN (10YR6/3), V DK GRAYISH BRN (10YR3/2)
Interior Color (Munsell)	YELLOWISH BROWN (10YR5/4)
Vessel Overall Height (cm)	16.5
Vessel Overall Weight (g)	418
Vessel Maximum Diameter (cm)	16.0
Volume (liters)	
Usewear/Sooting/Condition	LIGHT ROUGHENING BASE EXT; FIRECLOUDING; RECONSTRUCTED WITH GLUE AND TAPE IN PAST (REGLUED), SEV PCS MISSING; 2240 INKED ON BASE
Shape/Description	BOTTLE; SHORT-NECK BOTTLE, SLIGHTLY FLATTENED BOTTOM, ENGRAVED
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	6.3
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	5.6 / 6.0
Rim/Neck Shape/Angle	SPOOL (SHORT)
Rim/Neck Surface/Decorative Treatment	SMOOTHED & POLISHED
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	16.0
Body Height (cm)	14.5
Body Surface/Decorative Treatment	POLISHED; ENGRAVED (WITH RED PIGMENT IN LINES), TICKED LINES, CROSSHATCHING WITH BALLS IN INTERIOR, INTERLOCKING SCROLLS, CIRCLES; DESIGN REPEATS 3X AROUND VESSEL
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	7.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 11, 5/11/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-16 / 2394 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3416
Type	Keno Trailed
Decoration	incised
Rim :: Body	plain :: Belhaven 6
Paste	HARD, SILTY, COMPACT
Temper	SHELL (PARTLY LEACHED), FINE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	V DK GRAY (10YR3/1), LT YELL BRN (10YR6/4), V DK GRAYISH BRN (10YR3/2)
Interior Color (Munsell)	VERY PALE BROWN (10YR7/4)
Vessel Overall Height (cm)	21.8
Vessel Overall Weight (g)	756
Vessel Maximum Diameter (cm)	12.4
Volume (liters)	0.5
Usewear/Sooting/Condition	FIRECLOUDING; RECONSTRUCTED WITH GLUE IN PAST, 2 CRACKS; 2394 INKED NEAR BASE
Shape/Description	BOTTLE; LONG-NECK BOTTLE, FLAT BOTTOM, INCISED
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	4.0
Rim/Neck Height (cm)	10.0
Neck Mid/Base Exterior Diameter (cm)	4.0 / 4.2
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	12.4
Body Height (cm)	11.8
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, INTERLOCKING SCROLLS (4X) ABOVE NESTED INVERTED ARCHES, MED/WIDE TRAILED 2 MM LINES, 3-6MM APART
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.1
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 16, 12/31/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-17 / 2181 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3414
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 14
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (LEACHED) FINE AND SPARSE
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY (10YR4/1), VERY DARK GRAY (10YR3/1), WHITE (10YR8/1)
Interior Color (Munsell)	VERY PALE BROWN (10YR7/3)
Vessel Overall Height (cm)	13.0
Vessel Overall Weight (g)	304
Vessel Maximum Diameter (cm)	11.6
Volume (liters)	
Usewear/Sooting/Condition	BASE IS A LITTLE WORN; INTACT VESSEL, SMALL 'GASH' ABOVE ORIGINAL CATALOG NUMBER
Shape/Description	SHORT-NECKED BOTTLE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED/FLARED
Orifice Exterior Diameter (cm)	5.1
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CARAFE / SPOOL (SHORT)
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	11.6
Body Height (cm)	7.9
Body Surface/Decorative Treatment	ENGRAVED, RED PIGMENT IN CROSSHATCHING, 2 PATTERNS REPEATED 2X EACH, BALLS, YIN-YANG SHAPE, TICKED LINES, SWIRL, CROSSHATCHING
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 2, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-18 / 2165 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3418
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 14
Paste	HARD, SILTY, COMPACT
Temper	shell, leached, fine and abundant + grog, fine and abundant
Core Color (Munsell)	DARK GRAY (10YR4/1) (CORE MODE F)
Exterior Color (Munsell)	BROWN (10YR5/3), VERY DARK GRAY (10YR3/1), LT YELLOW BRN (10YR6/4)
Interior Color (Munsell)	REDDISH YELLOW (7.5YR6/6)
Vessel Overall Height (cm)	12.3
Vessel Overall Weight (g)	251
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	0.6
Usewear/Sooting/Condition	WEAR ON BASE EXTERIOR; FIRE CLOUDING; VESSEL INTACT EXCEPT FOR PROBE HOLE THROUGH SIDE; 2165 INKED ON BASE
Shape/Description	SHORT-NECK BOTTLE, ROUNDED BASE, ENGRAVED
Lip Treatment/Shape/Angle/Thickness	SMOOTHED/ERODED, FLAT, EVERTED
Orifice Exterior Diameter (cm)	5.8
Rim/Neck Height (cm)	1.8
Neck Mid/Base Exterior Diameter (cm)	5.2 / 5.5
Rim/Neck Shape/Angle	Spool, short
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED/ERODED
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	Low-Waisted
Body Maximum Diameter (cm)	12.0
Body Height (cm)	10.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED (RED PIGMENT TRACES), TICKED LINE, CROSSHATCHING, BALLS, REPEAT 3X
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with child in grave); Deceiper phase

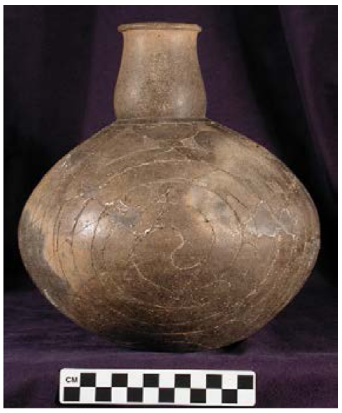
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-19 / 2168 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3392, N23018
Type	
Decoration	incised
Rim :: Body	plain :: Berry 3 or 11 (sim.)
Paste	HARD, SMOOTH, COMPACT
Temper	SHELL (PARTLY LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	VERY PALE BROWN (10YR7/4), VERY DARK GRAY (10YR3/1) (CORE MODE G)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), BROWN (10YR5/3)
Interior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), YELLOWISH BROWN (10YR5/4)
Vessel Overall Height (cm)	9.8
Vessel Overall Weight (g)	249
Vessel Maximum Diameter (cm)	10.9
Volume (liters)	0.5
Usewear/Sooting/Condition	SPALLING ON UPPER BODY INT, SURFACE ERODED; HEAVY SOOT/RESIDUE ON INT/EXT RIM/UPPER BODY; PIECE GLUED ON RIM IN PAST, ABOUT 1/3 RIM MISSING; 2168 INKED ON BASE
Shape/Description	SMALL SHORT-RIMMED JAR OR FLARED RIM BOWL, ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, NONE, 0.5
Orifice Exterior Diameter (cm)	10.4
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	10.9
Body Height (cm)	8.8
Body Surface/Decorative Treatment	SMOOTHED; INCISED, DRY PASTE, NESTED ARCS WITH LINES PROJECTING FROM THE ARCS, VERTICAL LINES, REPEATS 5X
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with adult in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-20 / 2489 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3424
Type	
Decoration	engraved
Rim :: Body	Erie 6 :: plain
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (SOME LEACHED), FINE & SPARSE
Core Color (Munsell)	GRAY (10YR6/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), V PALE BROWN (10YR7/4), GRAYISH BROWN (10YR5/2)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), VERY PALE BROWN (10YR7/4)
Vessel Overall Height (cm)	9.0
Vessel Overall Weight (g)	616
Vessel Maximum Diameter (cm)	19.0
Volume (liters)	
Usewear/Sooting/Condition	BOTTOM IS SLIGHTLY WORN; SMALL SOOT AREAS AROUND THE VESSEL, FIRECLOUDING; PART OF LIP CHIPPED AWAY, ONE SHERD RE-GLUED
Shape/Description	SIMPLE BOWL
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	19.0
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED (CONTINUOUS WITH BODY)
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED, 4 PARALLEL ENGRAVED LINES AROUND RIM, ~10MM APART, UNDULATING
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	CONVEX
Body Maximum Diameter (cm)	16.6
Body Height (cm)	6.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial X, 5/9/1941 (Huddleston note 'lone pot'); Social Hill phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	2-21 / 2251 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3422
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 5
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT, POSS GROG, FINE & SPARSE
Core Color (Munsell)	
Exterior Color (Munsell)	STRONG BROWN (10YR5/6), YELLOW BROWN (10YR5/4), DK GRAY (10YR4/1)
Interior Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	25.0
Vessel Overall Weight (g)	865
Vessel Maximum Diameter (cm)	20.7
Volume (liters)	
Usewear/Sooting/Condition	BASE WORN SOME AROUND THE EDGE; SMALL BURNED AREAS/ FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE AND SOME PLASTER FILLING IN PAST
Shape/Description	MEDIUM SPOOL-NECK BOTTLE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.8
Rim/Neck Height (cm)	7.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.6 - 0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	20.7
Body Height (cm)	18.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, CROSSHATCHING, BALLS, TICKED AND UNTICKED LINES
Base Shape/Curvature	CIRCULAR/FLATTENED
Base Diameter/Height (cm)	6.7
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 13, 5/19/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-22 / 2260 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3420
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 3 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL, FINE AND ABUNDANT, POSS GROG, FINE & SPARSE
Core Color (Munsell)	GRAY (10YR6/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), DARK GRAY (10YR4/1), GRAYISH BRN (10YR5/2)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), STRONG BROWN (7.5YR5/8)
Vessel Overall Height (cm)	9.0
Vessel Overall Weight (g)	712
Vessel Maximum Diameter (cm)	21.0
Volume (liters)	
Usewear/Sooting/Condition	SCRATCHED ON BOTTOM OF INTERIOR; FIRECLOUDING; INTACT VESSEL; 2260 INKED ON BODY EXT
Shape/Description	CARINATED BOWL, ENGRAVED
Lip Treatment/Shape/Angle/Thickness	BEVELED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	20.0
Rim/Neck Height (cm)	5.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED, 3 TIERS WITH OVALS, CROSSHATCHING, TICKED LINES, WHITE (10YR8/1) PIGMENT IN ENGRAVING
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	21.0
Body Height (cm)	4.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 15, 6/4/1940; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-23 / 2179 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3453
Type	Hodges Engraved *var. Nix?*
Decoration	engraved
Rim :: Body	Esther 4 (sim.) :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (LEACHED), FINE & ABUNDANT + GROG, FINE & SPARSE
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	DK GRAY (10YR4/1), LT YELLOWISH BRN (10YR6/4), LIGHT GRAY (10YR7/2)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), LIGHT YELLOWISH BROWN (10YR6/4), LIGHT GRAY (10YR7/2)
Vessel Overall Height (cm)	6.5
Vessel Overall Weight (g)	120
Vessel Maximum Diameter (cm)	11.2
Volume (liters)	
Usewear/Sooting/Condition	SOME WORN/ERODED AREAS AROUND THE RIM AND BODY; FIRECLOUDING; RECONSTRUCTED WITH GLUE AND PAINTED PLASTER IN PAST, SMALL CHIPPED AREA ON LIP
Shape/Description	CARINATED BOWL, ENGRAVED, SMALL
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	9.5
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, INSLANTING/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, ENGRAVED, DIAG OVALS WITH PUNCTATIONS/TICKS, CROSSHATCHING, BALLS
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	CONVEX
Body Maximum Diameter (cm)	11.2
Body Height (cm)	4.5
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	CIRCULAR/FLATTENED
Base Diameter/Height (cm)	4.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 2, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-24 / 2253 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	593, 1306
Type	Hodges Engraved *var. Nix*
Decoration	engraved
Rim :: Body	Esther 12 :: plain
Paste	HARD, COMPACT
Temper	SHELL, FINE & MEDIUM ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK, VERY PALE BROWN, RED PIGMENT IN ENGRAVING
Interior Color (Munsell)	BLACK
Vessel Overall Height (cm)	7.0
Vessel Overall Weight (g)	178
Vessel Maximum Diameter (cm)	13.3
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; 2 PROBE HOLES IN BASE, VESSEL RECONSTRUCTED WITH GLUE, 2 SHERDS MISSING
Shape/Description	CARINATED BOWL, SMALL
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	12.1
Rim/Neck Height (cm)	2.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED, SCROLL, TICKED LINE, CROSSHATCHING, BALLS
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	CONVEX/GLOBULAR
Body Maximum Diameter (cm)	13.3
Body Height (cm)	4.7
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 14, 6/1/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-25 / 2217 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3455
Type	
Decoration	engraved/incised
Rim :: Body	Elgin 4 :: plain
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (SOME LEACHED), FINE & SPARSE
Core Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2)
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), YELLOWISH BROWN (10YR5/4)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	500
Vessel Maximum Diameter (cm)	16.2
Volume (liters)	
Usewear/Sooting/Condition	BOTTOM MODERATELY WORN; SOOT PATCHES/FIRECLOUDING; VESSEL INTACT EXCEPT FOR PROBE HOLE IN BOTTOM AND SMALL CHIP ON RIM; 2217 INKED ON BASE
Shape/Description	TALL-RIM SIMPLE BOWL (STRAIGHT SIDES), ENGRAVED AND INCISED
Lip Treatment/Shape/Angle/Thickness	DIRECT
Orifice Exterior Diameter (cm)	16.2
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED & INCISED, 7 HORIZ LINES (0.5CM APART), LOWEST TICKED (UPPER LINES INCISED NOT ENGRAVED?)
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	CONVEX
Body Maximum Diameter (cm)	16.0
Body Height (cm)	4.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 9, 4/27/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-26 / 2231 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3461, N21658
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM SIZED & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1), GRAY (10YR5/1) (CORE MODE B)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), DARK GRAY (10YR4/1), LT YELLOW BROWN (10YR6/4)
Interior Color (Munsell)	DARK GRAY (10YR4/1), BLACK (10YR2/1), BROWN (10YR4/3)
Vessel Overall Height (cm)	9.0
Vessel Overall Weight (g)	461
Vessel Maximum Diameter (cm)	25.5
Volume (liters)	
Usewear/Sooting/Condition	SOME FIRECLOUDING; RECONSTRUCTED WITH GLUE IN PAST AND REGLUED, SEVERAL RIM/BODY/BASE PIECES MISSING; 2231 INKED ON EXT SIDE
Shape/Description	SIMPLE BOWL, LARGE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	25.5
Rim/Neck Height (cm)	CONTINUOUS WITH BODY
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	BURNISHED
Rim/Neck/Body Thickness (cm)	0.3 - 0.5
Body Shape	CONICAL
Body Maximum Diameter (cm)	
Body Height (cm)	9.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/SLIGHTLY CONCAVE (0.3CM)
Base Diameter/Height (cm)	8.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 10, 5/5/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-27 / 2241 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	1122, N22787
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	Esther 11 (type) :: Ebbet 13 (sim.)
Paste	HARD, SMOOTH, COMPACT
Temper	SHELL (LEACHED), FINE & ABUNDANT + GROG, FINE & SPARSE
Core Color (Munsell)	VERY DARK GRAY (10YR3/1) (CORE MODE F)
Exterior Color (Munsell)	BROWN (10YR4/3), STRONG BROWN (7.5YR5/6), BLACK (10YR2/1)
Interior Color (Munsell)	DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	8.2
Vessel Overall Weight (g)	250
Vessel Maximum Diameter (cm)	16.0
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE AND PLASTER IN PAST, LIP CHIPPED, PROBE? HOLE IN BODY, MUCH OF BASE MISSING; 2241 INKED ON BASE
Shape/Description	CARINATED BOWL, ENGRAVED, ROUNDED BASE-TRACE OF RED PIGMENT IN ENGRAVED LINES
Lip Treatment/Shape/Angle/Thickness	THICKENED SLIGHTLY, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	15.5
Rim/Neck Height (cm)	2.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, CARINATED
Rim/Neck Surface/Decorative Treatment	BURNISHED, ENGRAVED, CROSSHATCHING, BALLS, TICKED LINE SCROLLS, REPEATS 4X
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	CONVEX
Body Maximum Diameter (cm)	16.0
Body Height (cm)	5.4
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, TICKED LINES, HOOKED ELEMENTS, CROSSHATCHING, BALLS, REPEATS 3X
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 11, 5/11/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-29 / 2177 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3463, N22718
Type	
Decoration	incised
Rim :: Body	Austin? :: Buffalo 12 (sim.)
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	GRAY (10YR6/1) (CORE MODE B)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), BLACK (10YR2/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	9.5
Vessel Overall Weight (g)	228
Vessel Maximum Diameter (cm)	11.5
Volume (liters)	0.6
Usewear/Sooting/Condition	ERODED; HEAVY SOOT RESIDUE ON BODY EXT, SOME BLACKENING ON INT RIM, FIRECLOUDING; CHIPPED LIP & HOLE IN BODY (FROM PROBE?); 2177 INKED UPPER BODY
Shape/Description	SMALL, SHORT RIMMED JAR, FLARED LIP, GLOBULAR BODY AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	11.5
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED, VERTICAL PARALLEL INCISED LINES 0.7CM APART AROUND RIM
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	11.3
Body Height (cm)	7.5
Body Surface/Decorative Treatment	SMOOTHED; INCISED, ROUNDED HOOK ELEMENTS, PATTERN REPEATS 5X; DRY PASTE INCISING
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with child in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-31 / 2167 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3465, N22847
Type	Bailey Engraved
Decoration	engraved
Rim :: Body	plain :: Eugene 3
Paste	HARD, SILTY, COMPACT, MICA IN PASTE
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT; OCCASIONAL PEBBLE
Core Color (Munsell)	VERY DARK GRAY (10YR3/1) (CORE MODE F)
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), YELLOWISH BROWN (10YR5/4)
Interior Color (Munsell)	BROWN (10YR5/3), LIGHT YELLOWISH BROWN (10YR6/4), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	17.3
Vessel Overall Weight (g)	415
Vessel Maximum Diameter (cm)	14.2
Volume (liters)	1.0
Usewear/Sooting/Condition	BASE SLIGHTLY WORN; NECK PARTIALLY RECONSTRUCTED IN PAST, LIP HEAVILY CHIPPED; 2167 INKED ON BOTTOM OF BODY
Shape/Description	FLARED-RIM BOTTLE WITH LARGE PEDESTAL BASE AND SPOOL-SHAPED NECK
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	5.6
Rim/Neck Height (cm)	5.6
Neck Mid/Base Exterior Diameter (cm)	5.8 / 5.7
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	14.2
Body Height (cm)	8.7
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, 5 LINES UNDER NECK, 4 PANELS, U-SHAPED DESIGN WITH LINES BETWEEN, REPEATS 4X
Base Shape/Curvature	CIRCULAR/FLAT, PEDESTAL
Base Diameter/Height (cm)	6.0 - 9.7 / 3.1
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with adult in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-32 / 2201 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3467
Type	Foster/Pease?
Decoration	incised
Rim :: Body	Alfred 2 :: Antioch 18 (sim.)
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	LT YELL BRN (10YR6/4), V DK GRAY (10YR3/1), DK GRAYISH BRN (10YR4/2)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), GRAY (10YR5/1)
Vessel Overall Height (cm)	13.5
Vessel Overall Weight (g)	291
Vessel Maximum Diameter (cm)	11.9
Volume (liters)	
Usewear/Sooting/Condition	VESSEL SLIGHTLY WORN/ERODED; FIRECLOUDING; PREVIOUSLY RECONSTRUCTED WITH GLUE, SECTIONS OF BODY AND RIM MISSING; 2201 INKED LOWER BODY
Shape/Description	JAR, TALL RIM, INCISED
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED (FLARED)
Orifice Exterior Diameter (cm)	11.9
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE/OUTSLANTED
Rim/Neck Surface/Decorative Treatment	INCISED, 3 BANDS OF DIAGONAL SLASH INCISING; SIM. TO FOSTER RIM DECORATION
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	ELONGATED
Body Maximum Diameter (cm)	11.4
Body Height (cm)	11.0
Body Surface/Decorative Treatment	INCISED, VERTICAL HERRINGBONE PATTERN 13X (10 HERRINGBONE DESIGN AND 3 WITH BOTH SETS OF LINES SLANTING DOWNWARDS); SIM. TO PEASE B-I OR CANEY PUNCT. BODY DECORATION
Base Shape/Curvature	CIRCULAR/FLATTENED
Base Diameter/Height (cm)	5.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 5, 4/9/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-33 / 2172 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	598, N21625
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, GRITTY, COMPACT, SAND IN PASTE
Temper	GROG, FINE & SPARSE
Core Color (Munsell)	LIGHT REDDISH BROWN (5YR6/3) (CORE MODE A)
Exterior Color (Munsell)	YELLOWISH RED (5YR5/6), BLACK (5YR2.5/1) FIRECLOUDS
Interior Color (Munsell)	BLACK (5YR2.5/1), YELLOWISH RED (5YR5/6)
Vessel Overall Height (cm)	4.1
Vessel Overall Weight (g)	93
Vessel Maximum Diameter (cm)	7.9
Volume (liters)	0.1
Usewear/Sooting/Condition	red ochre on int body from use?; fireclouding, black spots post-deposition; large chip to lip; 2172 inked near base
Shape/Description	MINI-BOWL WITH CONVEX ROUND BASE, WIDE ROUNDED OVER LIP AND SLIGHTLY OUTSLANTING SIDES
Lip Treatment/Shape/Angle/Thickness	SMOOTHED, ROLLED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	7.9
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	SMOOTHED, RED OCHRE OR FIRING RATHER THAN SLIP
Rim/Neck/Body Thickness (cm)	0.7
Body Shape	CONVEX
Body Maximum Diameter (cm)	7.6
Body Height (cm)	4.1
Body Surface/Decorative Treatment	SMOOTHED; RED OCHRE OR FIRING RATHER THAN SLIP; VESSEL HAS WIPE MARKS ON INTERIOR
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with child in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-34 / 2185 / 3HS19
Vessel Form	jar (sherd)
ARAS/HSU Digital Photo	3482
Type	Karnack Brushed-Incised *var. Fish Bayou*
Decoration	brushed/trailed
Rim :: Body	Dana 4 :: Abraham 1
Paste	HARD, SILTY, COMPACT
Temper	SHELL, COARSE & ABUNDANT
Core Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), CORE MODE B
Exterior Color (Munsell)	V PALE BROWN (10YR7/3), BLACK (10YR2/1), V DK GRAYISH BRN (10YR3/2)
Interior Color (Munsell)	YELLOWISH BROWN (10YR5/4), VERY DARK GRAY (10YR3/1), BLACK (10YR2/1)
Vessel Overall Height (cm)	13.0 (PARTIAL)
Vessel Overall Weight (g)	199
Vessel Maximum Diameter (cm)	
Volume (liters)	
Usewear/Sooting/Condition	SOOT/RESIDUE AROUND RIM INT & EXT UNDER RIM; SHERD ONLY OF MUCH LARGER VESSEL ; 2185 INKED ON EXT
Shape/Description	LARGE JAR RIM FRAGMENT (SHERD)
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED, 0.5
Orifice Exterior Diameter (cm)	30.0 (est., 15% of rim)
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	BRUSHED, HORIZONTAL BRUSHING
Rim/Neck/Body Thickness (cm)	0.7 - 0.3
Body Shape	GLOBULAR JAR WITH SHORT, FLARED RIM
Body Maximum Diameter (cm)	
Body Height (cm)	
Body Surface/Decorative Treatment	SMOOTHED & INCISED/TRAILED, BROAD TRAILED VERTICAL LINES, 3-4MM WIDE, 7-10MM APART
Base Shape/Curvature	
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-35 / 2182 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3488
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 5 (sim.)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT + GROG, FINE & SPARSE
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), BROWN (10YR5/3)
Interior Color (Munsell)	DARK GRAY (10YR4/1), LIGHT YELLOWISH BROWN (10YR6/4), BROWN (10YR5/3)
Vessel Overall Height (cm)	22.5
Vessel Overall Weight (g)	730
Vessel Maximum Diameter (cm)	18.4
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL INTACT WITH SMALL CHIP ON LIP
Shape/Description	MEDIUM-NECKED GLOBULAR BOTTLE WITH SPOOL NECK AND FLARED LIP
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.5
Rim/Neck Height (cm)	7.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	18.4
Body Height (cm)	15.2
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, DOUBLE-HOOK DESIGN, TICKED LINES, CROSSHATCHING, BALLS, REPEATS 3X W VARIATIONS
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-36 / 2259 / 3HS19
Vessel Form	seed jar
ARAS/HSU Digital Photo	3494
Type	
Decoration	engraved
Rim :: Body	Erie 6 :: Emerson 23
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (SOME LEACHED), FINE & MED ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), GRAY (10YR6/1)
Interior Color (Munsell)	
Vessel Overall Height (cm)	18.0
Vessel Overall Weight (g)	698
Vessel Maximum Diameter (cm)	13.8
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SMALL FRAGMENTS MISSING
Shape/Description	LARGE SEED JAR, ENGRAVED, WITH 4 APPLIQUE NODE HANDLES WITH PERFORATIONS
Lip Treatment/Shape/Angle/Thickness	FLATTENED
Orifice Exterior Diameter (cm)	2.7
Rim/Neck Height (cm)	1.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, INSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, ENGRAVED, 4 CONCENTRIC CIRCLES AROUND ORIFICE
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	BARREL
Body Maximum Diameter (cm)	13.8
Body Height (cm)	16.4
Body Surface/Decorative Treatment	SMOOTHED; ENGRAVED, V-SHAPED LINES ENCIRCLING VESSEL
Base Shape/Curvature	CIRCULAR, SLIGHTLY FLATTENED
Base Diameter/Height (cm)	12.5
Base Surface/Decorative Treatment	
Appendages/Handles	4 NODE HANDLES (2 ON EITHER SIDE) WITH VERTICAL PERFORATIONS
Notes	Huddleston Burial 15, 6/4/1940; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-37 / 2233 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3492, N22646
Type	Foster Trailed-Incised *var. Foster*
Decoration	incised/appliqued nodes
Rim :: Body	Alfred 6 :: Baker 16 (type)
Paste	HARD, SILTY, COMPACT
Temper	SHELL, COARSE AND ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1) (CORE MODE F)
Exterior Color (Munsell)	PALE BROWN (10YR6/3), V DK GRAYISH BROWN (10YR3/2), BLACK (10YR2/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), GRAY (10YR5/1), PALE BROWN (10YR6/3)
Vessel Overall Height (cm)	11.0
Vessel Overall Weight (g)	297
Vessel Maximum Diameter (cm)	10.7
Volume (liters)	0.5
Usewear/Sooting/Condition	TRACE SOOT ON EXT RIM AND BODY, FIRECLOUDING; RIM RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS FROM RIM/LIP MISSING; 2233 INKED ON BASE
Shape/Description	JAR, TALL RIM GLOBULAR, INCISED WITH 3 APPLIQUE NODES AROUND VESSEL BODY
Lip Treatment/Shape/Angle/Thickness	FLAT, EVERTED, 0.3
Orifice Exterior Diameter (cm)	10.7
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED, 5 BANDS OF DIAGONAL SLASH INCISIONS, SPACED ROWS
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	10.6
Body Height (cm)	7.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, CONCENTRIC CIRCLES, DESIGN STOPS ABOUT 1CM ABOVE BASE, 3 APPLIQUE NODES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.0
Base Surface/Decorative Treatment	
Appendages/Handles	3 APPLIQUE NODES (2 PT CLUSTERS) ON BODY
Notes	Associated Funerary Object; Huddleston Burial 10, 5/5/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-38 / 2243 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3496, N22817
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MED TO COARSE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1) (CORE MODE F)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), BLACK (10YR2/1), DK GRAYISH BROWN (10YR4/2)
Interior Color (Munsell)	DARK GRAYISH BROWN (10YR4/2), BROWN (10YR5/3)
Vessel Overall Height (cm)	17.2
Vessel Overall Weight (g)	456
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL PIECES MISSING FROM BODY, CHIPPED LIP; 2243 INKED NEAR BASE
Shape/Description	BOTTLE; LONG-NECK BOTTLE WITH GLOBULAR (SQUAT) BODY, FLARED LIP, AND FLAT BOTTOM.
Lip Treatment/Shape/Angle/Thickness	SMOOTHED, FLAT, EVERTED, 0.3
Orifice Exterior Diameter (cm)	3.9
Rim/Neck Height (cm)	7.5
Neck Mid/Base Exterior Diameter (cm)	4.0 / 4.0
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.4 - 0.6
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	12.0
Body Height (cm)	9.7
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.3
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 12, 5/11/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-39 / 2244 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3502
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	YELLOWISH BROWN (10YR5/4)
Vessel Overall Height (cm)	18.8
Vessel Overall Weight (g)	1317
Vessel Maximum Diameter (cm)	21.5
Volume (liters)	3.1
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE AND PLASTER IN PAST, MISSING SEVERAL PCS BODY; 2244 INKED ON SIDE OF VESSEL
Shape/Description	BOTTLE; LARGE SHORT-NECK GLOBULAR BOTTLE WITH FLAT BASE.
Lip Treatment/Shape/Angle/Thickness	FLAT, EVERTED
Orifice Exterior Diameter (cm)	4.4
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	4.1 / 4.5
Rim/Neck Shape/Angle	CARAFE (SHORT)
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	21.5
Body Height (cm)	16.8
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/SLIGHTLY CONCAVE
Base Diameter/Height (cm)	8.0
Base Surface/Decorative Treatment	BURNISHED
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 12, 5/11/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-40 / 2211 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3504, N21721
Type	Military Road Incised
Decoration	incised/punctated
Rim :: Body	Beloit 9 :: Bard 1
Paste	HARD, SILTY, COMPACT
Temper	GROG, MED SIZE & ABUNDANT; FEW SURFACE VOIDS
Core Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), VERY DARK GRAY (10YR3/1) (CORE MODE E)
Exterior Color (Munsell)	VERY DARK GRAY (10YR3/1), YELLOWISH RED (5YR4/6-5/6)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	19.0
Vessel Overall Weight (g)	1106
Vessel Maximum Diameter (cm)	17.6
Volume (liters)	
Usewear/Sooting/Condition	BLACKENED INT, SOME SOOTING EXT, FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE AND PLASTER IN PAST, SOME PCS REGLUED; 2211 INKED NEAR BASE
Shape/Description	TALL RIM JAR, LARGE, INCISED, FLARED RIM AND FLAT BOTTOM
Lip Treatment/Shape/Angle/Thickness	FLAT, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	17.6
Rim/Neck Height (cm)	6.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED EXT, BURNISHED INT, INCISED & PUNCTATED, HORIZONTAL TRAILED LINES WITH VERTICAL PUNCTATIONS
Rim/Neck/Body Thickness (cm)	0.5 - 0.7
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	17.4
Body Height (cm)	12.5
Body Surface/Decorative Treatment	BURNISHED INT/SMOOTHED EXT; INCISED & PUNCTATED, INC LINES HORIZONTAL AND MEANDERING, SEP BY ROWS OF VERTICAL PUNCTATES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	9.6
Base Surface/Decorative Treatment	BURNISHED
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 8, 4/20/1940; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-41 / 2198 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3529
Type	Emory Punctated-Incised?
Decoration	incised/punctated
Rim :: Body	Caldwell 9 (sim.) :: Belmont 8 (type)
Paste	HARD, FINE, SILTY, COMPACT
Temper	SHELL (SOME LEACHED)
Core Color (Munsell)	VERY DARK GRAY (10YR3/1), LIGHT YELLOWISH BROWN (10YR6/4)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), YELLOWISH BROWN (10YR5/4)
Vessel Overall Height (cm)	9.5
Vessel Overall Weight (g)	296
Vessel Maximum Diameter (cm)	12.5
Volume (liters)	
Usewear/Sooting/Condition	BASE VERY ERODED (CHIPPED? FLATTENED); VESSEL RECONSTRUCTED WITH GLUE IN PAST, MANY FRAGMENTS MISSING, PROBE HOLE IN BASE
Shape/Description	GLOBULAR, SHORT-RIM JAR WITH FLATTENED/ERODED BASE AND FLARED LIP
Lip Treatment/Shape/Angle/Thickness	FLARED, ROUNDED
Orifice Exterior Diameter (cm)	11.1
Rim/Neck Height (cm)	1.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	
Rim/Neck Surface/Decorative Treatment	SMOOTHED & PUNCTATED, 3 ROWS OF PUNCTATIONS
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	LOW-WAISTED (SLIGHTLY SQUAT GLOBULAR)
Body Maximum Diameter (cm)	12.5
Body Height (cm)	8.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, CONCENTRIC HALF-CIRCLES EXTENDING DOWN FROM RIM, PATTERN REPEATS 3X
Base Shape/Curvature	OVAL/FLATTENED (ERODED)
Base Diameter/Height (cm)	3.9 X 4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 5, 4/9/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-42 / 2232 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3527, N22550
Type	
Decoration	incised/brushed
Rim :: Body	Alaska 1 :: Danbury 2
Paste	HARD, SILTY, COMPACT
Temper	SHELL, COARSE & ABUNDANT
Core Color (Munsell)	PALE BROWN (10YR6/3) (CORE MODE G)
Exterior Color (Munsell)	V DK GRAY BRN (10YR3/2), V DK GRAY (10YR3/1), DK GRAY BRN (10YR4/2)
Interior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), GRAY (10YR5/1)
Vessel Overall Height (cm)	10.4
Vessel Overall Weight (g)	240
Vessel Maximum Diameter (cm)	10.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS RIM MISSING/UNATTACHED IN BAG; 2232 INKED NEAR BASE
Shape/Description	TALL-RIM JAR BRUSHED WITH FLARED LIP AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, EVERTED, 0.2
Orifice Exterior Diameter (cm)	10.5
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED & BRUSHED, HORIZONTAL BRUSHING BETW 2 ROWS OF DIAGONAL INCISED LINES
Rim/Neck/Body Thickness (cm)	0.3 - 0.4
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	9.7
Body Height (cm)	6.4
Body Surface/Decorative Treatment	SMOOTHED; BRUSHED, MANY HORIZONTAL BRUSHED LINES AROUND BODY, LOWER 1.5CM PLAIN
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.2
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 10, 5/5/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-43 / 2209 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3525, N21466
Type	Military Road Incised
Decoration	incised/punctated
Rim :: Body	Bethel 1 :: Bard 27 (sim.)
Paste	HARD, SILTY, COMPACT, MICA IN PASTE
Temper	GROG, COARSE & MEDIUM ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1), YELLOWISH RED (5YR5/6) (CORE MODE A)
Exterior Color (Munsell)	YELLOWISH RED (5YR5/6), VERY DARK GRAY (10YR3/1), GRAY (10YR5/1)
Interior Color (Munsell)	YELLOWISH RED (5YR5/6), VERY DARK GRAY (10YR3/1), GRAY (10YR5/1)
Vessel Overall Height (cm)	30.0
Vessel Overall Weight (g)	2734
Vessel Maximum Diameter (cm)	24.8
Volume (liters)	
Usewear/Sooting/Condition	LIGHT SOOTING INT/EXT RIM, FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING, SMALL PROBE? HOLE IN RIM; 2209 INKED NEAR BASE
Shape/Description	LARGE, TALL-RIM JAR WITH FLAT BASE.
Lip Treatment/Shape/Angle/Thickness	FLAT, NONE
Orifice Exterior Diameter (cm)	24.8
Rim/Neck Height (cm)	8.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED (TRAILED) & PUNCTATE (TOOL), 4 MEANDERING LINES BETW 2-3 ROWS OF VERTICAL PUNCTATES ABOVE AND BELOW
Rim/Neck/Body Thickness (cm)	0.7 - 1.0
Body Shape	ELONGATED
Body Maximum Diameter (cm)	24.1
Body Height (cm)	22.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED (TRAILED) & PUNCTATED (TOOL), COMBINATION OF STRAIGHT, MEANDERING, DIAGONAL TRAILED LINES, VERTICAL PUNCTATES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	11.1
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 8, 4/20/1940; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-44 / 2204 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3582, N21751
Type	Foster/Caney?
Decoration	incised/punctated
Rim :: Body	Alfred 6 :: Caney 5
Paste	HARD, SILTY, COMPACT
Temper	SHELL (PARTLY LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1) (CORE MODE B)
Exterior Color (Munsell)	LT BROWNISH GRAY (10YR6/2), DK GRAY (10YR4/1), PALE BROWN (10YR6/3)
Interior Color (Munsell)	LIGHT REDDISH BROWN (5YR6/4), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	24.5
Vessel Overall Weight (g)	1404
Vessel Maximum Diameter (cm)	23.8
Volume (liters)	
Usewear/Sooting/Condition	RESIDUE EXT RIM, SOME SOOT EXT BODY, BLACKENED INT, FIRECLOUDS; PARTIAL VESSEL RECONSTRUCTED WITH GLUE IN PAST, FEW CHIPS FROM LIP, PCS MISSING FROM BASE; 2204 INKED ON SIDE
Shape/Description	TALL RIM JAR, FLARED RIM AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, EVERTED
Orifice Exterior Diameter (cm)	23.8
Rim/Neck Height (cm)	11.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED, 9 ROWS OF DIAGONALLY INCISED LINES, SPACED
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	20.3
Body Height (cm)	13.5
Body Surface/Decorative Treatment	SMOOTHED; PUNCTATED, VERTICAL ROWS OF PAIRED PUNCTATES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	8.7
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 7, 4/13/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-45 / 2200 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3589
Type	Foster Trailed-Incised variant?
Decoration	incised/appliqued
Rim :: Body	Brevard 2 (sim.) :: Bellarmine 7 (type)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), GRAY (10YR6/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), REDDISH YELLOW (7.5YR6/6)
Vessel Overall Height (cm)	15.0
Vessel Overall Weight (g)	436
Vessel Maximum Diameter (cm)	16.1
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL IS RECONSTRUCTED WITH GLUE IN PAST, MANY FRAGMENTS MISSING
Shape/Description	TALL-RIMMED JAR, SQUAT-BODIED WITH FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLARED
Orifice Exterior Diameter (cm)	16.1
Rim/Neck Height (cm)	7.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED/TRAILED, BROAD ARCS AROUND RIM
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	13.1
Body Height (cm)	8.0
Body Surface/Decorative Treatment	INCISED/TRAILED, CONCENTRIC ARCS ON UPPER BODY, 2-PRONG APPLIQUE NODES REPEATS 4X
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.3
Base Surface/Decorative Treatment	
Appendages/Handles	4 2-PRONG APPLIQUE NODES AROUND BODY
Notes	Huddleston Burial 5, 4/9/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-46 / 2250 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3612
Type	DeRoche Incised *var*. *Central*
Decoration	incised
Rim :: Body	plain :: Antioch 14 (type)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	BROWN (10YR5/3), BLACK (10YR2/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	10.3
Vessel Overall Weight (g)	241
Vessel Maximum Diameter (cm)	10.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL INTACT EXCEPT MISSING ABOUT 1/3 OF THE RIM
Shape/Description	SHORT-RIM JAR, INCISED, FLARED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	10.2
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	9.6
Body Height (cm)	9.3
Body Surface/Decorative Treatment	INCISED, DIAONAL LINE-FILLED DIAMOND AND TRIANGLE PATTERNS
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 13, 5/19/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-47 / 2197 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3615
Type	
Decoration	plain
Rim :: Body	
Paste	SOFT, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MED TO COARSE, ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAYISH BROWN (10YR3/2), PALE BROWN (10YR6/3)
Interior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	7.4
Vessel Overall Weight (g)	213
Vessel Maximum Diameter (cm)	16.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, MANY SMALL FRAGMENTS MISSING
Shape/Description	PLAIN BOWL WITH FLARED RIM AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	16.5
Rim/Neck Height (cm)	0.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	CONVEX
Body Maximum Diameter (cm)	15.7
Body Height (cm)	6.5
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	CIRCULAR/ FLAT
Base Diameter/Height (cm)	3.3
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 5, 4/9/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-48 / 2199 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3617
Type	Foster Trailed-Incised variant?
Decoration	brushed/incised/appliqued
Rim :: Body	Defiance 1 (type) :: Belmont 6 (type)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), GRAY (10YR5/1)
Vessel Overall Height (cm)	22.3
Vessel Overall Weight (g)	1393
Vessel Maximum Diameter (cm)	23.1
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, A FEW SHERDS MISSING INCL RIM SECTION
Shape/Description	TALL-RIMMED LARGE JAR WITH U-SHAPED BODY, FLARED LIP, AND VERY SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	23.1
Rim/Neck Height (cm)	11.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; BRUSHED & INCISED, CONNECTED ARCS AROUND RIM, ROW OF DIAGONAL SLASH INCISING AT BASE OF RIM
Rim/Neck/Body Thickness (cm)	0.7 - 0.5
Body Shape	HIGH-WAISTED
Body Maximum Diameter (cm)	20.6
Body Height (cm)	11.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, CONCENTRIC CIRCLES/SEMICIRCLES SURROUNDING 4 2-PRONG APPLIQUE NODES
Base Shape/Curvature	CIRCULAR/FLAT (SLIGHTLY)
Base Diameter/Height (cm)	~7.0
Base Surface/Decorative Treatment	
Appendages/Handles	4 2-PRONG APPLIQUE NODES ON BODY
Notes	Huddleston Burial 5, 4/9/1940; Social Hill phase

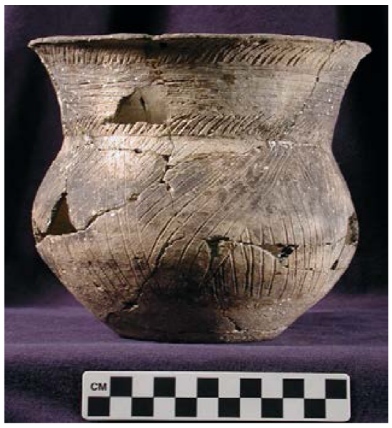
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-49 / 2230 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3619, N22916
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Caldwell 3 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT + GROG, FINE & SPARSE
Core Color (Munsell)	VERY DARK GRAY (10YR3/1) (CORE MODE B)
Exterior Color (Munsell)	GRAY (10YR5/1), PALE BROWN (10YR6/3), BLACK (10YR2/1)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	10.3
Vessel Overall Weight (g)	834
Vessel Maximum Diameter (cm)	23.7
Volume (liters)	
Usewear/Sooting/Condition	BASE ROUGHENED ON EXT; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING OR IN BAG, PROBE HOLE IN BASE; 2230 INKED ON BASE
Shape/Description	LARGE CARINATED BOWL, FLARED LIP AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	BURNISHED, ROUNDED, EVERTED, 0.2
Orifice Exterior Diameter (cm)	21.0
Rim/Neck Height (cm)	4.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, TOOL PUNCTATES, 5 ROWS OF VERTICAL OVAL PUNCTATES
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	23.7
Body Height (cm)	6.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 10, 5/5/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-50 / 2184 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3621
Type	Mound Tract Inc./Brush. (Cowhide Stamp.)
Decoration	dentate stamped/incised/brushed
Rim :: Body	Ferris 1 :: Drury 1
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), PALE BROWN (10YR6/3)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), LIGHT BROWNISH GRAY (10YR6/2), PALE BROWN (10YR6/3)
Vessel Overall Height (cm)	14.7
Vessel Overall Weight (g)	430
Vessel Maximum Diameter (cm)	16.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL SMALL PIECES MISSING FROM BODY
Shape/Description	SMALL, SHORT RIM JAR WITH FLARED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	14.4
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED / STRAIGHT, INSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; DENTATE STAMPING, VERTICAL STAMPING WITH 4-PRONG TOOL; HORIZ INCISED LINE BELOW
Rim/Neck/Body Thickness (cm)	0.5 - 0.3
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	16.2
Body Height (cm)	12.7
Body Surface/Decorative Treatment	SMOOTHED; BRUSHED, MULTI-LINED SWIRL PATTERN, ZONED WITH TRAILED LINES, REPEATED 4X
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 3/24/1940; Deceiper phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	2-51 / 2256 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3631
Type	
Decoration	incised/brushed
Rim :: Body	Alaska 1 :: Antioch 1
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1) SOOT, VERY DARK GRAY (10YR3/1), LIGHT GRAY (10YR7/2)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	17.1
Vessel Overall Weight (g)	686
Vessel Maximum Diameter (cm)	17.4
Volume (liters)	
Usewear/Sooting/Condition	SOOTING ON UPPER BODY EXT/INT, FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING
Shape/Description	TALL-RIM GLOBULAR JAR WITH FLARED RIM AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	17.4
Rim/Neck Height (cm)	5.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED & BRUSHED, HORIZONTAL BRUSHING BETW 2 ROWS OF DIAGONAL SLASH INCISING (SIM. TO FOSTER T-I)
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	16.4
Body Height (cm)	12.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, PATTERN OF DIAGONAL INCISED LINES FORMING NESTED TRIANGLES, PATTERN COVERS UPPER 3/4 BODY
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	7.9
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 15, 6/4/1940; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-52 / 2186 / 3HS19
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3629
Type	Foster Trailed-Incised
Decoration	punctated/incised/appliqued
Rim :: Body	Carbon 1 :: Baker 3
Paste	HARD, SILTY, COMPACT
Temper	SHELL, COARSE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1) (CORE MODE B)
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAY (10YR3/1), V DK GRAYISH BROWN (10YR3/2)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAYISH BROWN (10YR3/2), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	22.5
Vessel Overall Weight (g)	1026
Vessel Maximum Diameter (cm)	25.4
Volume (liters)	
Usewear/Sooting/Condition	SPALLING ON BASE (PRE-DEP?), BLACKENED RESIDUE INT RIM & UPPER BODY, EXT BODY SOOTING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING/UNATTACHED; 2186 INKED ON BASE
Shape/Description	LARGE TALL-RIM JAR WITH FLARED RIM AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	25.4
Rim/Neck Height (cm)	9.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PUNCTATED, 8 HORIZONTAL SPACED BANDS OF WEDGE SHAPED TOOL PUNCTATES
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	21.2
Body Height (cm)	13.4
Body Surface/Decorative Treatment	SMOOTHED (PORTIONS OF LOWER BODY BURNISHED); INCISED/TRAILED, LINES 3MM WIDE, 6 MM APART, 3 APPLIQUE NODES SURROUNDED BY CONCENTRIC CIRCLES, DECORATION ENDS 2.5CM ABOVE BASE
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	7.5
Base Surface/Decorative Treatment	
Appendages/Handles	3 3-NODE CLUSTERS APPLIQUED ON BODY
Notes	Associated Funerary Object; Huddleston Burial 4, 3/26/1940 (Huddleston noted jar contained 'small animal bones & muscle shells'); Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-53 / 2206 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3633
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM SIZED & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1) (CORE MODE B)
Exterior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), GRAY (10YR5/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), GRAY (10YR5/1), BROWN (10YR5/3)
Vessel Overall Height (cm)	10.8
Vessel Overall Weight (g)	463
Vessel Maximum Diameter (cm)	16.0
Volume (liters)	1.1
Usewear/Sooting/Condition	ROUGHENED ON BASE EXT, SPALLING ON BASE INTERIOR (POSTDEP?); MINOR GLUE REPAIR IN PAST, 1-2 SHERDS MISSING, RIM CHIPPED (FROM PROBE?); 2206 INKED NEAR BASE
Shape/Description	SIMPLE BOWL WITH FLARED LIP AND SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED
Orifice Exterior Diameter (cm)	16.0
Rim/Neck Height (cm)	0.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED, CONTINUOUS WITH BODY
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.3 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	15.7
Body Height (cm)	10.4
Body Surface/Decorative Treatment	BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX, SLIGHTLY FLATTENED
Base Diameter/Height (cm)	~6.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 7, 4/13/1940 (Huddleston noted bone awl and 'large muscle shell' found under 2206); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-55 / 393 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3639
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE/MED, ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	REDDISH YELLOW (5YR6/6), LT REDDISH BROWN (5YR6/4), BLACK (10YR2/1)
Interior Color (Munsell)	REDDISH YELLOW (5YR6/6), LIGHT REDDISH BROWN (5YR6/4), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	4.8
Vessel Overall Weight (g)	150
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL INTACT EXCEPT FOR CRACK AND PROBE HOLE NEAR THE BASE
Shape/Description	SIMPLE BOWL WITH FLATTENED RIM/LIP AND SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE
Orifice Exterior Diameter (cm)	13.5
Rim/Neck Height (cm)	0.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, VERTICAL; CONTINUOUS WITH BODY
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	CONVEX
Body Maximum Diameter (cm)	13.7
Body Height (cm)	4.45
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX, SLIGHTLY FLATTENED
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges 393 (Hodges catalog: "small conical bowl, very shallow, plain, glazed, perfect, mound ... NE Arkadelphia Old River Bayou or Slough, Meador's Field"); Phillips photo 3810 (Hodges 393)

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-56 / 2174 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3654, N21559
Type	Keno/Wallace?
Decoration	incised
Rim :: Body	plain :: Buffalo 1 (sim.)
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED),FINE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1) (CORE MODE B)
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAY (10YR3/1), DK GRAYISH BROWN (10YR4/2)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	7.0
Vessel Overall Weight (g)	115
Vessel Maximum Diameter (cm)	11.0
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST & REGLUED, SEVERAL FRAGMENTS MISSING/UNATTACHED; 2174 INKED ON BASE
Shape/Description	SHORT-RIM JAR WITH FLARED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	11.0
Rim/Neck Height (cm)	1.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	CONVEX
Body Maximum Diameter (cm)	9.7
Body Height (cm)	5.1
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, CLOSE SPACED, MEDIUM INCISED CONCENTRIC INTERLOCKING SCROLLS (lines 1 mm wide, 3-5 mm apart), REPEATS 5X AROUND BODY; HORIZONTAL LINE AT RIM
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with child in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-57 / 2173 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3641, N21529
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), GRAY (10YR5/1)
Interior Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2), DARK GRAY (10YR4/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	7.4
Vessel Overall Weight (g)	186
Vessel Maximum Diameter (cm)	9.7
Volume (liters)	0.3
Usewear/Sooting/Condition	SOOT BELOW RIM INT, FIRECLOUDING; VESSEL INTACT, TWO SMALL CRACKS; 2173 INKED ON BASE
Shape/Description	SMALL, SHORT-RIM JAR OR BOWL WITH FLARED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	9.7
Rim/Neck Height (cm)	1.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED TO BURNISHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	9.2
Body Height (cm)	5.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 1, 3/23 or 3/24/1940 (Huddleston noted this vessel with child in grave); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-58 / 2254 / 3HS19
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	1300
Type	DeRoche Incised?
Decoration	incised/punctated
Rim :: Body	Caldwell 10? :: Antioch 17
Paste	HARD, COMPACT
Temper	SHELL, MED TO COARSE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	LIGHT BROWN (7.5YR6/4), DARK GRAY (10YR4/1)
Interior Color (Munsell)	BROWN (7.5YR4/2)
Vessel Overall Height (cm)	7.0
Vessel Overall Weight (g)	112
Vessel Maximum Diameter (cm)	7.8
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; INTACT VESSEL
Shape/Description	MINI-JAR-SHORT RIM JAR, FLAT BASE, GLOBULAR BODY
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	6.9
Rim/Neck Height (cm)	1.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED / STRAIGHT, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED, 1 ROW OF PUNCTATES AROUND NECK, CIRCULAR TOOL, 5MM APART
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	7.8
Body Height (cm)	5.8
Body Surface/Decorative Treatment	SMOOTHED; INCISED, INCISED LINES, ALTERNATING LINE-FILLED TRIANGLES AND DIAMONDS, HORIZONTAL LINE AT NECK; DESIGN COVERS 3/4 OF BODY
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	2.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 14, 6/1/1940; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-59; 2234 / 3HS19
Vessel Form	bottle
ARAS/HSU Digital Photo	3656, N21499
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1) (CORE MODE C)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	21.1
Vessel Overall Weight (g)	610
Vessel Maximum Diameter (cm)	14.4
Volume (liters)	1.1
Usewear/Sooting/Condition	LIGHT ROUGHENING BASE EXT, SOME EROSION AROUND NECK, CHIPPED LIP; FIRECLOUDING; VESSEL INTACT; 2234 INKED NEAR BASE
Shape/Description	BOTTLE; LONG NECK, GLOBULAR BODY, SL. FLARED RIM, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED
Orifice Exterior Diameter (cm)	4.3
Rim/Neck Height (cm)	9.1
Neck Mid/Base Exterior Diameter (cm)	4.3 / 4.7
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	14.4
Body Height (cm)	12.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.6
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Burial 10, 5/5/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-60 / B186 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	
Type	Friendship Engraved *var*. *Freeman*
Decoration	engraved
Rim :: Body	Elaine 3 :: plain
Paste	HARD, SILTY, COMPACT, MICA IN PASTE
Temper	GROG, FINE & ABUNDANT + SHELL (LEACHED), FINE & SPARSE
Core Color (Munsell)	RED (2.5YR5/8), V DK GRAY (10YR3/1), DK GRAY (10YR4/1), CORE MODE C
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), BROWNISH YELLOW (10YR6/6)
Interior Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	~10.0
Vessel Overall Weight (g)	571
Vessel Maximum Diameter (cm)	~22.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; CAT. AS SHERD LOT, PARTIAL VESSEL RECONSTRUCTED WITH GLUE
Shape/Description	CARINATED BOWL WITH FLARED RIM
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	~22.0
Rim/Neck Height (cm)	5.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, ENGRAVED, 3 HORIZONTAL PANALS OF OVALS WITH TICKED LINES, CROSSHATCHING BACKGROUND AND BETWEEN
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	CONVEX
Body Maximum Diameter (cm)	~22.5
Body Height (cm)	~4.8
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges Bag 186 [indicates broken pottery] (Hodges catalog: "Meador farm, Roher Md?")

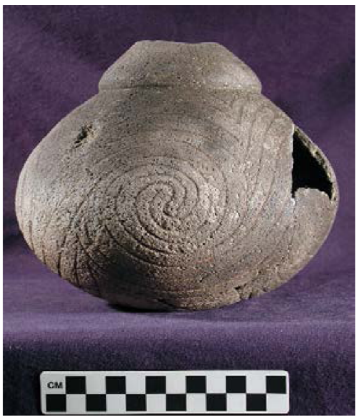
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-61 / B186 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3660
Type	Friendship Engraved variant?
Decoration	engraved
Rim :: Body	Elaine? (ungramm.) :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE AND ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAY (10YR3/1), V DK GRAYISH BROWN (10YR3/2)
Interior Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2), DARK GRAY (10YR4/1), BLACK (10YR2/1)
Vessel Overall Height (cm)	9.2
Vessel Overall Weight (g)	451
Vessel Maximum Diameter (cm)	20.7
Volume (liters)	
Usewear/Sooting/Condition	CAT. AS SHERD LOT, RECONSTRUCTED WITH GLUE, A FEW SHERDS UNATTACHED; SPALLING LIKELY POST-DEP
Shape/Description	CARINATED BOWL WITH FLARED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	20.5
Rim/Neck Height (cm)	4.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & ENGRAVED, TWO HORIZONTAL PANELS OF LONG RECTANGLES AND CROSSHATCHED SQUARES
Rim/Neck/Body Thickness (cm)	0.4 - 0.6
Body Shape	CONVEX
Body Maximum Diameter (cm)	20.7
Body Height (cm)	4.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges Bag 186 [indicates broken pottery] (Hodges catalog: "Meador farm, Roher Md?")

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-67 / 2249 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3658
Type	
Decoration	plain
Rim :: Body	
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE AND ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	V DK GRAYISH BRN (10YR3/2), BROWN (10YR5/3), YELLOWISH BRN (10YR5/4)
Interior Color (Munsell)	DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	8.3
Vessel Overall Weight (g)	433
Vessel Maximum Diameter (cm)	18.7
Volume (liters)	
Usewear/Sooting/Condition	ERODED; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE, SEVERAL FRAGMENTS MISSING/UNATTACHED IN BAG
Shape/Description	CARINATED BOWL WITH CURVED RIM AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED (FLARED)
Orifice Exterior Diameter (cm)	18.0
Rim/Neck Height (cm)	2.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	18.7
Body Height (cm)	5.5
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 13, 5/19/1940; Deceiper phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	2-70 / B197 / 3HS19
Vessel Form	bottle (reused?)
ARAS/HSU Digital Photo	3661
Type	Keno Trailed
Decoration	incised
Rim :: Body	missing :: Belhaven 1 or 14?
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1), BLACK (10YR2/1)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), GRAY (10YR5/1-6/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	16.5
Vessel Overall Weight (g)	409
Vessel Maximum Diameter (cm)	
Volume (liters)	
Usewear/Sooting/Condition	NECK BROKEN/SMOOTHED FOR REUSE? SURFACE OF BODY WORN, SCRATCHED; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE, SEVERAL SHERDS UNATTACHED/IN BAG
Shape/Description	COMPOUND BOTTLE WITH BROKEN NECK, POSSIBLY A FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED (BROKEN AND SMOOTHED?)
Orifice Exterior Diameter (cm)	4.8 (neck)
Rim/Neck Height (cm)	3.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	UPPER NECK MISSING / LOWER NECK INSLANTING
Rim/Neck Surface/Decorative Treatment	SMOOTHED, VERTICAL LINES?
Rim/Neck/Body Thickness (cm)	0.5 - 0.8
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	N/A
Body Height (cm)	13.4
Body Surface/Decorative Treatment	SMOOTHED; INCISED, INTERLOCKING SCROLL PATTERN REPEATED 4X, TRACE RED PIGMENT IN LINES
Base Shape/Curvature	FLATTENED?
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges Bag 197 [indicates broken pottery] (Hodges catalog: "interesting variety, Meador farm … Rohr Mound, mixed")

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-71 / 319 / 3HS19
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3663
Type	
Decoration	punctated/engraved
Rim :: Body	Elaine? (ungramm.) :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL, FINE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	V DK GRAYISH BRN (10YR3/2), V DK GRAY (10YR3/1), DK GRAY (10YR4/1)
Interior Color (Munsell)	GRAYISH BROWN (10YR5/2), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	6.3
Vessel Overall Weight (g)	150
Vessel Maximum Diameter (cm)	12.5
Volume (liters)	
Usewear/Sooting/Condition	PARTIAL VESSEL, RECONSTRUCTED WITH GLUE
Shape/Description	SMALL, CARINATED BOWL, ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE
Orifice Exterior Diameter (cm)	12.5
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PUNCTATED & ENGRAVED, PUNCTATE-FILLED OVALS X 4 (ONLY 2 REMAIN), SEP. BY CROSSHATCHING
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	12.4
Body Height (cm)	3.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges 319 (Hodges catalog: "cazuela bowl, unusual design, almost perfect, mound on Old River Bayou NE of Ark.")

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-72 / B197 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3665
Type	
Decoration	engraved/punctated
Rim :: Body	Cornell 3, Case 4 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	GRAYISH BROWN (10YR5/2)
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAYISH BROWN (10YR3/2), DK GRAY (10YR4/1)
Interior Color (Munsell)	BLACK (10YR2/1), GRAYISH BROWN (10YR5/2), 'BROWN (10YR4/3)
Vessel Overall Height (cm)	4.2
Vessel Overall Weight (g)	71
Vessel Maximum Diameter (cm)	12.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE
Shape/Description	SMALL OPEN BOWL, 'HELMET' SHAPE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE; NOTCHING ON TOP OF LIP
Orifice Exterior Diameter (cm)	12.2
Rim/Neck Height (cm)	1.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; 2 ENGRAVED LINES BELOW LIP WITH LINE OF PUNCTATES BETWEEN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	CONVEX
Body Maximum Diameter (cm)	10.1
Body Height (cm)	2.9
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges Bag 197 [indicates broken pottery] (Hodges catalog: "interesting variety, Meador farm … Rohr Mound, mixed")

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	2-74 / B197 / 3HS19
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3667
Type	
Decoration	plain
Rim :: Body	
Paste	SOFT, GRANULAR, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAYISH BROWN (10YR3/2), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	4.0
Vessel Overall Weight (g)	95
Vessel Maximum Diameter (cm)	12.1
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; CHIPPING AROUND RIM, PROBE HOLE IN BOTTOM
Shape/Description	SMALL, SHALLOW BOWL WITH ROUNDED LIP AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, NONE
Orifice Exterior Diameter (cm)	12.1
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	12.1
Body Height (cm)	4.0
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Hodges Bag 197 [indicates broken pottery] (Hodges catalog: "interesting variety, Meador farm … Rohr Mound, mixed")

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-3 / 2858 / 3CL83
Vessel Form	beaker
ARAS/HSU Digital Photo	1829, 3694
Type	
Decoration	notched lip
Rim :: Body	Cornell 10 :: plain
Paste	SOFT, SMOOTH, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	YELLOWISH BROWN (10YR5/6), DARK YELLOWISH BROWN (10YR4/4)
Exterior Color (Munsell)	BROWNISH YELLOW (10YR6/6), BLACK (10YR2/1), YELLOW BRN (10YR5/8)
Interior Color (Munsell)	GRAY (10YR5/1)
Vessel Overall Height (cm)	7.9
Vessel Overall Weight (g)	139
Vessel Maximum Diameter (cm)	11.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; ERODED AREA ON EXT.; PARTIAL VESSEL RECONSTR. WITH GLUE, MISSING ALMOST ENTIRE BASE; 2858 INKED LOWER BODY
Shape/Description	DEEP, CYLINDRICAL BOWL OR BEAKER WITH SLIGHTLY CONVEX SIDES; CONTINUOUS RIM/BODY
Lip Treatment/Shape/Angle/Thickness	FLAT, NONE; NARROW PUNCTATES PLACED DIAGONALLY ON TOP OF LIP
Orifice Exterior Diameter (cm)	11.2
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED (SLIGHTLY)
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	ELONGATED
Body Maximum Diameter (cm)	11.2
Body Height (cm)	7.9
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 9; 11/21/1943; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-4 / 2844 / 3CL83
Vessel Form	bottle (broken, reused as seed jar)
ARAS/HSU Digital Photo	3698
Type	Belcher Engraved *var. Soda Lake*
Decoration	engraved
Rim :: Body	plain :: Elizabeth 1
Paste	HARD, SILTY, COMPACT
Temper	GROG & BONE & SHELL (LEACHED), FINE & SPARSE
Core Color (Munsell)	
Exterior Color (Munsell)	RED (2.5YR5/8), REDDISH BLACK (2.5YR2.5/1), YELLOWISH BROWN (10YR5/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	10.7
Vessel Overall Weight (g)	628
Vessel Maximum Diameter (cm)	16.5
Volume (liters)	
Usewear/Sooting/Condition	NECK BROKEN AND SMOOTHED FOR REUSE, BODY SLIGHTLY WORN; FIRECLOUDING
Shape/Description	SEED JAR (ORIGINALLY BOTTLE), FLATTENED LIP (SMOOTHED BREAK), SQUAT GLOBULAR BODY, FLAT BASE
Lip Treatment/Shape/Angle/Thickness	BROKEN/FLATTENED/SMOOTHED
Orifice Exterior Diameter (cm)	3.4
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	
Rim/Neck Surface/Decorative Treatment	
Rim/Neck/Body Thickness (cm)	0.7 - 0.5
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	16.5
Body Height (cm)	10.2
Body Surface/Decorative Treatment	SMOOTHED, BURNISHED; ENGRAVED, CONCENTRIC CIRCLES X4, ALTERNATING DASHED AND SOLID LINES, SPACE FILLING CROSSHATCHING & BALL BELOW NECK
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 1, 11/20/1943; Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-5 / 2861 / 3CL83
Vessel Form	bottle
ARAS/HSU Digital Photo	3702, N21691
Type	Hodges Engraved *var. Hodges*
Decoration	engraved
Rim :: Body	plain :: Ebbet 6 (sim.)
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (LEACHED), FINE & MEDIUM ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1) (CORE MODE G)
Exterior Color (Munsell)	V PALE BRN (10YR7/3), BROWN YELLOW (10YR6/5), DK GRAY BRN (10YR4/2)
Interior Color (Munsell)	VERY DARK GRAY (7.5YR3/1)
Vessel Overall Height (cm)	24.6
Vessel Overall Weight (g)	485
Vessel Maximum Diameter (cm)	16.9
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST (1944), SEVERAL SHERDS MISSING FROM BODY AND NECK; 2861 INKED ON BASE
Shape/Description	BOTTLE; GLOBULAR SLIGHTLY SQUAT BOTTLE, SPOOL NECK, FLARED LIP, SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED
Orifice Exterior Diameter (cm)	5.2
Rim/Neck Height (cm)	10.0
Neck Mid/Base Exterior Diameter (cm)	5.9 / 6.2
Rim/Neck Shape/Angle	bulbous / spool
Rim/Neck Surface/Decorative Treatment	burnished
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	GLOBULAR (SLIGHTLY SQUAT)
Body Maximum Diameter (cm)	16.9
Body Height (cm)	14.6
Body Surface/Decorative Treatment	BURNISHED; ENGRAVED, INTERLOCKING HOOK ELEMENTS WITH U-SHAPE DESIGN TOP AND BOTTOM (TICKED LINE, CROSSHATCHING); TRACE RED PIGMENT IN ENGR LINES
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 10, 11/25/1943; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-6 / 2855 / 3CL83
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3711, N22985
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Caldwell 3 or 6 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (LEACHED), FINE & ABUNDANT + GROG, FINE & MEDIUM ABUNDANT
Core Color (Munsell)	GRAY (10YR5/1), PALE BROWN (10YR6/3) (CORE MODE B)
Exterior Color (Munsell)	BLACK (10YR2/1), DARK GRAYISH BROWN (10YR4/2)
Interior Color (Munsell)	GRAYISH BROWN (10YR5/2), LIGHT BROWNISH GRAY (10YR6/2)
Vessel Overall Height (cm)	8.6
Vessel Overall Weight (g)	450
Vessel Maximum Diameter (cm)	19.3
Volume (liters)	
Usewear/Sooting/Condition	BASE EXT ROUGHENED; FIRECLOUDING ON BODY; PARTIAL VESSEL RECONSTRUCTED WITH GLUE, LARGE SHERD MISSING, GASH IN BASE; 2855 INKED ON BASE
Shape/Description	CARINATED BOWL WITH PUNCTATED RIM, SLIGHTLY FLARED AND ROUNDED LIP, AND SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	16.7
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; TOOL PUNCTATES, 5 ROWS OF VERTICAL TOOL PUNCTATES, HALF MOON-SHAPED JABS RATHER THAN FINGERNAIL PUNCT
Rim/Neck/Body Thickness (cm)	0.5 - 0.7
Body Shape	CONVEX
Body Maximum Diameter (cm)	19.3
Body Height (cm)	4.6
Body Surface/Decorative Treatment	BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/FLATTENED
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 6, 11/20-11/21/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-8 / 2853 / 3CL83
Vessel Form	beaker or mini-jar
ARAS/HSU Digital Photo	3731, N22682
Type	
Decoration	punctated
Rim :: Body	plain :: Catawba 2?
Paste	HARD, SILTY, COMPACT
Temper	SHELL (LEACHED), COARSE & SPARSE; OCCASIONAL HEMATITE PEBBLE
Core Color (Munsell)	DARK GRAY (7.5YR4/1) (CORE MODE F)
Exterior Color (Munsell)	REDDISH YELLOW (5YR6/6), GRAY (5YR5/1), PALE BROWN (10YR6/3)
Interior Color (Munsell)	REDDISH YELLOW (5YR6/6), PALE BROWN (10YR6/3)
Vessel Overall Height (cm)	5.3
Vessel Overall Weight (g)	85
Vessel Maximum Diameter (cm)	6.7
Volume (liters)	0.1
Usewear/Sooting/Condition	VESSEL INTACT, CHIPPED LIP, HOLES FROM LEACHED TEMPER; 2853 INKED ON BASE
Shape/Description	BEAKER OR MINI-JAR; VERY SMALL BEAKER WITH FLARED, SLIGHTLY FLATTENED LIP AND A FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, SLIGHTLY EVERTED, 0.4
Orifice Exterior Diameter (cm)	6.7
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	BARREL
Body Maximum Diameter (cm)	6.6
Body Height (cm)	4.3
Body Surface/Decorative Treatment	SMOOTHED; PUNCTATES (TOOL PUNCTATES, HALF MOON SHAPED JABS) FORMING CONNECTING CONCENTRIC ARCS, PATTERN REPEATING 4X
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.4
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 6, 11/20-11/21/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-9 / 2845 / 3CL83
Vessel Form	effigy seed jar
ARAS/HSU Digital Photo	3747, N22877
Type	
Decoration	appliqued nodes
Rim :: Body	Harvey :: plain
Paste	MEDIUM-HARD, SILTY, COMPACT
Temper	SHELL (MOSTLY LEACHED), FINE & SPARSE; OCCASIONAL PEBBLE IN PASTE
Core Color (Munsell)	BROWN (10YR5/3) (CORE MODE B)
Exterior Color (Munsell)	V DK GRAY BRN (10YR3/2), RED BROWN (5YR5/4), RED YELLOW (7.5YR6/6)
Interior Color (Munsell)	
Vessel Overall Height (cm)	17.0
Vessel Overall Weight (g)	939
Vessel Maximum Diameter (cm)	18.5
Volume (liters)	
Usewear/Sooting/Condition	WEAR/ROUGHENING ON BASE, SURFACE EROSION RIM/BODY; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, LARGE CRACK IN SIDE, PROBE HOLE; 2845 INKED ON BASE
Shape/Description	SEED JAR; EFFIGY SEED JAR WITH 4 APPLIQUE NODES ON RIM FOR FACIAL FEATURES, FLAT INCURVED LIP, GLOBULAR BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, NONE, 0.4
Orifice Exterior Diameter (cm)	4.1 X 3.3 CM OVAL
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	12.2
Rim/Neck Shape/Angle	CONVEX, INSLANTED
Rim/Neck Surface/Decorative Treatment	BURNISHED, 4 APPLIQUE NODES ON RIM (2 VERTICAL IN FRONT AND 2 OPPOSING EACH OTHER ON EITHER SIDE) FORM FACE
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	18.5
Body Height (cm)	13.0
Body Surface/Decorative Treatment	BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/SLIGHTLY CONCAVE (0.2CM)
Base Diameter/Height (cm)	7.0
Base Surface/Decorative Treatment	
Appendages/Handles	4 APPLIQUE NODES ON RIM FORMING FACIAL EFFIGY
Notes	Associated Funerary Object; Huddleston Grave 3, 11/20/1943 (described by Huddleston as owl effigy); Social Hill phase; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-10 / 2846 / 3CL83
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3753, N22754
Type	
Decoration	incised
Rim :: Body	Barnard? or Bates 10? :: Baker 18
Paste	SOFT, SILTY, COMPACT
Temper	SHELL (LEACHED), MEDIUM TO COARSE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), DK GRAY BRN (10YR4/2), BROWN YELLOW (10YR6/6)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	12.5
Vessel Overall Weight (g)	409
Vessel Maximum Diameter (cm)	14.3
Volume (liters)	1.1
Usewear/Sooting/Condition	ROUGHENING ON BODY INT. (USE?); SOOT/RESIDUE ON EXT. RIM BODY, INT. RIM BLACKENED; VESSEL INTACT EXCEPT FOR MINOR RECONSTRUCTION WITH GLUE IN PAST; 2846 INKED NEAR BASE
Shape/Description	JAR; SHORT-RIM JAR WITH FLARED AND ROUNDED LIP, GLOBULAR BODY, AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	12.9
Rim/Neck Height (cm)	2.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED, SINGLE INCISED HORIZ LINE AROUND BASE OF RIM/TOP OF BODY
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	14.3
Body Height (cm)	10.2
Body Surface/Decorative Treatment	SMOOTHED; INCISED, DRY PASTE, CONCENTRIC CIRCLES REPEAT 4X
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 3, 11/20/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-11 / 2865 / 3CL83
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3755, N22613
Type	Foster Trailed-Incised
Decoration	incised/appliqued nodes
Rim :: Body	Andes 9 :: Baker 22
Paste	HARD, SILTY, COMPACT, MICA IN PASTE
Temper	SHELL (LEACHED), COARSE & SPARSE, WITH OCCASIONAL HEMATITE PEBBLE
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1) (CORE MODE B)
Exterior Color (Munsell)	BLACK (10YR2/1), STRONG BROWN (7.5YR5/6), LT YELLOW BROWN (10YR6/4)
Interior Color (Munsell)	DARK GRAYISH BROWN (10YR4/2), BLACK (10YR2/1), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	8.7
Vessel Overall Weight (g)	125
Vessel Maximum Diameter (cm)	9.3
Volume (liters)	0.3
Usewear/Sooting/Condition	MINOR WEAR ON BASE; TRACE SOOT ON BODY EXT, FIRECLOUDING; ONE PC OF RIM MISSING, ANOTHER REATTACHED WITH GLUE IN PAST; 2865 INKED ON BASE
Shape/Description	JAR; SMALL TALL-RIM JAR WITH WIDELY FLARED RIM, GLOBULAR BODY, AND ROUND BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, EVERTED, 0.3
Orifice Exterior Diameter (cm)	9.3
Rim/Neck Height (cm)	3.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, INCISED, 3 HORIZONTAL BANDS WITH DIAGONAL LINES, HERRINGBONE DESIGN
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	8.2 AT NODES, 7.7 BODY
Body Height (cm)	5.6
Body Surface/Decorative Treatment	SMOOTHED, SOME BURNISHING EXT; INCISED, CONCENTRIC CIRCLES SURROUNDING CENTRAL NODE; PATTERN REPEATS 4X, DRY PASTE INCISING, ALMOST LOOKS LIKE ENGRAVING
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	1 SINGLE NODE IN CENTER OF EA CONCENTRIC PATTERN (4X)
Notes	Associated Funerary Object; Huddleston Grave 10, 11/25/1943; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-12 / 2866 / 3CL83
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3759
Type	Friendship Engraved *var*. *Meador*
Decoration	engraved
Rim :: Body	Elwyn 3 (type) :: plain
Paste	HARD, SILTY, COMPACT
Temper	GROG & GRIT, FINE & SPARSE
Core Color (Munsell)	REDDISH BROWN (5YR5/4)
Exterior Color (Munsell)	GRAYISH BROWN (10YR5/2), BLACK (10YR2/1)
Interior Color (Munsell)	YELLOW (10YR7/6), REDDISH BROWN (5YR5/4), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	8.3
Vessel Overall Weight (g)	654
Vessel Maximum Diameter (cm)	18.7
Volume (liters)	
Usewear/Sooting/Condition	BASE HEAVILY WORN, BLACKENED INT; VESSEL RECONSTRUCTED WITH GLUE, CRACKS, MINOR CHIPPING ON RIM
Shape/Description	CARINATED BOWL WITH FLARED AND ROUNDED LIP, SHALLOW BODY AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	17.7
Rim/Neck Height (cm)	4.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	BURNISHED; ENGRAVED, CROSSHATCHING SURROUNDING NEGATIVE DESIGN OF PANELS LINKED BY AN L-SHAPED ELEMENT
Rim/Neck/Body Thickness (cm)	0.7
Body Shape	CONVEX
Body Maximum Diameter (cm)	18.7
Body Height (cm)	3.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 15, 2/5/1944; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-13 / 2856 / 3CL83
Vessel Form	bottle
ARAS/HSU Digital Photo	3767
Type	
Decoration	plain
Rim :: Body	
Paste	MEDIUM, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	GRAY (7.5YR5/1)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), BLACK (10YR2/1), LIGHT BROWNISH GRAY (10YR6/2)
Interior Color (Munsell)	
Vessel Overall Height (cm)	24.2
Vessel Overall Weight (g)	800
Vessel Maximum Diameter (cm)	16.6
Volume (liters)	
Usewear/Sooting/Condition	WORN/ERODED ON BODY (MODERATE) AND NECK (HEAVY); FIRECLOUDING; NECK REATTACHED TO BODY WITH GLUE
Shape/Description	LONG-NECK BOTTLE WITH FLARED LIP, GLOBULAR BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	4.8
Rim/Neck Height (cm)	9.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	16.6
Body Height (cm)	14.5
Body Surface/Decorative Treatment	SMOOTHED 7 BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR/FLATTENED
Base Diameter/Height (cm)	5.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 9; 11/21/1943; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-14 / 2857 / 3CL83
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3771
Type	Foster/Pease?
Decoration	incised
Rim :: Body	Alfred 2 :: Alpha 1
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM SIZED & ABUNDANT
Core Color (Munsell)	LIGHT BROWNISH GRAY (10YR6/2)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAYISH BROWN (10YR3/2), BROWN (10YR5/3)
Interior Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), BROWN (10YR5/3), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	10.2
Vessel Overall Weight (g)	182
Vessel Maximum Diameter (cm)	10.1
Volume (liters)	
Usewear/Sooting/Condition	LIGHT TO MODERATE WEAR/EROSION; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE, LARGE PC MISSING
Shape/Description	SMALL SHORT-RIM JAR WITH FLARED LIP, NARROW BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	10.1
Rim/Neck Height (cm)	2.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	INCISED, 2 BANDS OF DIAGONALLY INCISED LINES, WIDELY SEPARATED
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	ELONGATED
Body Maximum Diameter (cm)	9.4
Body Height (cm)	7.4
Body Surface/Decorative Treatment	SMOOTHED; INCISED, HERRINGBONE PATTERN WITH VERTICAL LINES SEPARATING
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 9; 11/21/1943; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-15 / 2847 / 3CL83
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	1260
Type	Foster Trailed-Incised
Decoration	incised/punctated/applique
Rim :: Body	Concord 10 or Chattanooga 7 (sim.) :: Baker 23 (sim.)
Paste	MEDIUM-HARD, SMOOTH, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM SIZED & ABUNDANT
Core Color (Munsell)	DARK GRAY (7.5YR4/1) (CORE MODE B)
Exterior Color (Munsell)	PINKISH GRAY (7.5YR6/2), DK BROWN (7.5YR3/2), V DK GRAY (7.5YR3/1)
Interior Color (Munsell)	BLACK (7.5YR2.5/1)
Vessel Overall Height (cm)	17.0
Vessel Overall Weight (g)	500
Vessel Maximum Diameter (cm)	18.0
Volume (liters)	2.2
Usewear/Sooting/Condition	SOOTING RESIDUE ON VESSEL EXT, TRACE FROM BASE TO RIM, INTERIOR BLACKENED, FIRECLOUDING; VESSEL INTACT EXCEPT FOR LIP BREAK; 2847 INKED NEAR BASE
Shape/Description	JAR; LARGE TALL RIM JAR-FLAT BASE-SUBGLOBULAR BODY-TALL OUTTURNED RIM-PUNCTATE AND INCISED DESIGN, NODES
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED
Orifice Exterior Diameter (cm)	18.0
Rim/Neck Height (cm)	8.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PUNCTATED, 10 ROWS OF FINGERNAIL PUNCTATES, SPACED ROWS
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	14.3
Body Height (cm)	9.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (NEAR BASE); INCISED LINE DECORATION- NARROW (1MM) LINES, WIDESPACED, CONCENTRIC CIRCLE DESIGN-3X REPEATED ON UPPER 3/4 OF BODY, 3 CENTRAL NODES (4 NODE CLUSTERS)
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	
Appendages/Handles	3 CENTRAL NODES ON BODY (EACH ONE DIVIDED INTO 4 WITH CROSS)
Notes	Associated Funerary Object; Huddleston Grave 3, 11/20/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-16 / 2862 / 3CL83
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3781, N22487
Type	Ripley Engraved?
Decoration	engraved
Rim :: Body	Erin (need new) :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (LEACHED), MEDIUM TO COARSE SIZE & ABUNDANT + GROG, FINE TO MEDIUM SIZED & SPARSE, OCCASIONAL PEBBLES
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1) (CORE MODE G)
Exterior Color (Munsell)	BLACK (10YR2/1), DARK BROWN (7.5YR3/2), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	10.0
Vessel Overall Weight (g)	348
Vessel Maximum Diameter (cm)	17.0
Volume (liters)	
Usewear/Sooting/Condition	LIGHT EROSION OVERALL; FIRECLOUDING ON EXT, BLACKENED INT.; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS OF RIM AND BODY MISSING; 2862 INKED ON BODY EXT
Shape/Description	BOWL; V-SHAPED CARINATED BOWL (TALL) WITH A FLARED AND SLIGHTLY FLATTENED LIP AND A FLAT BASE
Lip Treatment/Shape/Angle/Thickness	THICKENED, SLIGHTLY EVERTED, 0.4
Orifice Exterior Diameter (cm)	17.0
Rim/Neck Height (cm)	4.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, CARINATED
Rim/Neck Surface/Decorative Treatment	BURNISHED, ENGRAVED, REVERSE L-SHAPES, CROSSHATCHED INTERIORS, REPEATS 7X; TRACE RED PIGMENT IN ENGRAVING; SIM. VESSEL AT HELM
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	CONICAL
Body Maximum Diameter (cm)	16.5
Body Height (cm)	5.5
Body Surface/Decorative Treatment	BURNISHED (SOMEWHAT ERODED); PLAIN
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	6.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 10, 11/25/1943; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-17 / 2848 / 3CL83
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3783, N22457
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Caldwell 6? :: plain
Paste	HARD, MEDIUM, SILTY, COMPACT
Temper	SHELL (LEACHED), MEDIUM SIZED & ABUNDANT
Core Color (Munsell)	DARK GRAYISH BROWN (10YR4/2) (CORE MODE E)
Exterior Color (Munsell)	RED (2.5YR5/6), BLACK (10YR2/1), PALE BROWN (10YR6/3)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), BROWN (10YR4/3), PALE BROWN (10YR6/3)
Vessel Overall Height (cm)	7.9
Vessel Overall Weight (g)	435
Vessel Maximum Diameter (cm)	20.6
Volume (liters)	
Usewear/Sooting/Condition	SLIGHT WEAR/EROSION/LEACHING; FIRECLOUDING; VESSEL HAS MINOR RECONSTRUCTION WITH GLUE IN PAST, SEVERAL PIECES MISSING FROM RIM, CRACK; 2848 INKED ON BASE
Shape/Description	CARINATED BOWL WITH INCURVED RIM, STRAIGHT ROUNDED LIP, AND SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED, 0.3
Orifice Exterior Diameter (cm)	18.9
Rim/Neck Height (cm)	2.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, TOOL PUNCTATES, 4 HORIZONTAL ROWS OF DEEP VERTICAL PUNCTATES, TOOL PUNCTATES, OVAL JABS
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	20.6
Body Height (cm)	5.0
Body Surface/Decorative Treatment	BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/FLAT
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Associated Funerary Object; Huddleston Grave 3, 11/20/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-18 / 2843 / 3CL83
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3785
Type	Cowhide/Foster?
Decoration	dentate stamped/incised/applique
Rim :: Body	Ferris 1 :: Baker 2
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	PALE BROWN (10YR6/3)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), PALE BROWN (10YR6/3), DK GRAY BROWN (10YR4/2)
Interior Color (Munsell)	PALE BROWN (10YR6/3), VERY DARK BROWN (10YR2/2), LIGHT REDDISH BROWN (5YR6/4)
Vessel Overall Height (cm)	15.3
Vessel Overall Weight (g)	640
Vessel Maximum Diameter (cm)	18.2
Volume (liters)	
Usewear/Sooting/Condition	LIGHT/MODERATE WEAR/EROSION ON SURFACE; SOOTING ON EXT. BODY; VESSEL RECONSTRUCTED WITH GLUE, SEVERAL PCS MISSING
Shape/Description	SHORT-NECKED GLOBULAR JAR WITH FLARED LIP AND SLIGHTLY FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.1
Rim/Neck Height (cm)	1.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL
Rim/Neck Surface/Decorative Treatment	DENTATE STAMPED, VERTICAL STAMPING WITH 5-PRONG TOOL
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	GLOBULAR WITH SLIGHTLY FLATTENED BASE
Body Maximum Diameter (cm)	18.2
Body Height (cm)	13.7
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, CLOSE-SPACED BROAD CONCENTRIC CIRCULAR PATTERN (REPEATED 3X) SURROUNDING ONE HOLLOWED APPLIQUE NODE, DESIGN GOES 3/4 WAY DOWN BODY
Base Shape/Curvature	UNDISTINGUISHED/SLIGHTLY FLATTENED
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	3 SINGLE NODES IN CENTERS OF CONCENTRIC CIRCLES ON BODY
Notes	Huddleston Grave 1, 11/20/1943; Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	3-22 / 3CL83
Vessel Form	bottle (sherd lot)
ARAS/HSU Digital Photo	K7993
Type	
Decoration	plain
Rim :: Body	
Paste	COMPACT, HARD, SMOOTH, ABUNDANT FINE MICA IN PASTE
Temper	grog and leached shell, fine, abundant
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1), BROWN (7.5YR4/2)
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), DARK BROWN (7.5YR3/2), BROWN (7.5YR4/2)
Interior Color (Munsell)	VERY DARK GRAY (7.5YR3/1), BROWN (7.5YR4/2)
Vessel Overall Height (cm)	
Vessel Overall Weight (g)	531
Vessel Maximum Diameter (cm)	
Volume (liters)	
Usewear/Sooting/Condition	Unreconstructed sherd lot of ~70 sherds
Shape/Description	Bottle
Lip Treatment/Shape/Angle/Thickness	rounded to beveled ext., sl. everted, 0.3
Orifice Exterior Diameter (cm)	4.1
Rim/Neck Height (cm)	7.5
Neck Mid/Base Exterior Diameter (cm)	4.0 / 4.2
Rim/Neck Shape/Angle	Straight, slight spool
Rim/Neck Surface/Decorative Treatment	Burnished (eroded)
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	
Body Maximum Diameter (cm)	
Body Height (cm)	
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	circular/concave
Base Diameter/Height (cm)	4.8
Base Surface/Decorative Treatment	Smoothed; Plain
Appendages/Handles	
Notes	No provenience information

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-1 / 2128 / 3HS33
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	1803
Type	Keno related
Decoration	incised
Rim :: Body	plain :: Belhaven 2
Paste	SOFT, COMPACT
Temper	SHELL (LEACHED) & GROG
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY FIRECLOUDS, REDDISH YELLOW, LIGHT GRAY
Interior Color (Munsell)	VERY DARK GRAY FIRECLOUDS, LIGHT BROWN
Vessel Overall Height (cm)	5.7
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	16.3
Volume (liters)	
Usewear/Sooting/Condition	RING OF ABRASION ON BASE; FIRECLOUDING; VESSEL RECONSTRUCTED IN PAST
Shape/Description	SIMPLE OPEN BOWL, RIM CONTINUOUS WITH BODY, SLIGHTLY CONVEX BASE
Lip Treatment/Shape/Angle/Thickness	
Orifice Exterior Diameter (cm)	16.3
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	CONVEX
Body Maximum Diameter (cm)	16.3
Body Height (cm)	5.7
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, NESTED INTERLOCKING SCROLL DESIGN
Base Shape/Curvature	CIRCULAR, SLIGHTLY CONVEX
Base Diameter/Height (cm)	6.3
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial X or 1, 3/2/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-3 / 2476 / 3HS33
Vessel Form	bottle
ARAS/HSU Digital Photo	1821
Type	Keno Trailed
Decoration	incised
Rim :: Body	plain :: Belhaven 36 (type)
Paste	HARD, COMPACT
Temper	SHELL (LEACHED), FINE & ABUNDANT
Core Color (Munsell)	WHITE (10YR8/1)
Exterior Color (Munsell)	V DK GRAY BROWN (10YR3/2), BROWN (10YR4/3), V PALE BROWN (10YR7/3)
Interior Color (Munsell)	YELLOW (10YR8/6)
Vessel Overall Height (cm)	16.5
Vessel Overall Weight (g)	462
Vessel Maximum Diameter (cm)	15.1
Volume (liters)	
Usewear/Sooting/Condition	NO WEAR OBSERVED; FIRECLOUDING; RECONSTRUCTED VESSEL, SEVERAL SHERDS MISSING
Shape/Description	SMALL, SHORT NECKED, SUB-GLOBULAR BOTTLE WITH PEDESTAL BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED/THINNED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	6.1
Rim/Neck Height (cm)	4.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	15.1
Body Height (cm)	12.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, NESTED SCROLLS
Base Shape/Curvature	CIRCULAR/PEDESTAL
Base Diameter/Height (cm)	8.7 / 1.0
Base Surface/Decorative Treatment	3 VERTICAL LINES ALT. W/ 1 VERTICAL LINE X4 AROUND PEDESTAL
Appendages/Handles	
Notes	Huddleston Burial 1A, 3/22 or 3/29/1940; Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-4 / 2662 / 3HS33
Vessel Form	bottle
ARAS/HSU Digital Photo	N13162
Type	Natchitoches/Hodges Engraved
Decoration	engraved
Rim :: Body	plain :: Eureka 6 (type)
Paste	HARD, SMOOTH, COMPACT
Temper	SHELL (LEACHED) & GROG, FINE & ABUNDANT
Core Color (Munsell)	LIGHT GRAY (10YR7/2)
Exterior Color (Munsell)	DK GRAY (7.5YR4/1), LT BROWNISH GRAY (10YR6/2), LIGHT GRAY (10YR7/2)
Interior Color (Munsell)	
Vessel Overall Height (cm)	19.0
Vessel Overall Weight (g)	645
Vessel Maximum Diameter (cm)	17.4
Volume (liters)	1.7
Usewear/Sooting/Condition	some fire clouding present; partial vessel, heavily reconstructed in past; pedestal is hollow, applied after bottle base completed; 2662 inked on pedestal
Shape/Description	bottle; short necked, pedestal base; white pigment in engr lines on body (original?)
Lip Treatment/Shape/Angle/Thickness	Burnished, beveled, sl. everted, 0.8
Orifice Exterior Diameter (cm)	5.6
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	4.4 / 4.8
Rim/Neck Shape/Angle	spool
Rim/Neck Surface/Decorative Treatment	burnished
Rim/Neck/Body Thickness (cm)	0.7
Body Shape	low waisted
Body Maximum Diameter (cm)	17.4
Body Height (cm)	12.0
Body Surface/Decorative Treatment	Burnished; engraved, crosshatched/ticked line ovals in 3 tiers w/ diagonal line/balls in between, balls & crosshatched band below neck
Base Shape/Curvature	circular/pedestal
Base Diameter/Height (cm)	16.7 / 3.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial 4, 10/26/1942; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-5 / 2645 / 3HS33
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K5200
Type	Hodges Engraved *var. Nix*
Decoration	Engraved
Rim :: Body	Esther 12 (sim.) :: plain
Paste	COMPACT, HARD, SMOOTH
Temper	shell (leached), fine & abundant + grog
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY (7.5YR4/1), LIGHT BROWN (10YR6/3)
Interior Color (Munsell)	DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	244
Vessel Maximum Diameter (cm)	14.4
Volume (liters)	1.8
Usewear/Sooting/Condition	Fireclouding; intact vessel; 2645 inked on body
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	Burnished, rolled, 0.4
Orifice Exterior Diameter (cm)	13.3
Rim/Neck Height (cm)	2.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Inslanted
Rim/Neck Surface/Decorative Treatment	Burnished; engraved, crosshatching, scrolls, balls, ticked line
Rim/Neck/Body Thickness (cm)	0.5 - 0.3
Body Shape	Sub-globular
Body Maximum Diameter (cm)	14.4
Body Height (cm)	5.8
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	undistinguished/convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial 2, 9/20/1942; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-6 / 2651 / 3HS33
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	1378
Type	Owens Punctated (similar)
Decoration	incised/punctated
Rim :: Body	Chatham 10 (type) :: Antioch 1
Paste	SOFT, SILTY, COMPACT
Temper	SHELL (LEACHED), FINE TO MEDIUM SIZED AND ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	REDDISH YELLOW
Interior Color (Munsell)	REDDISH YELLOW
Vessel Overall Height (cm)	9.2
Vessel Overall Weight (g)	166
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING
Shape/Description	BOWL; ROUNDED BODY, STRAIGHT-BEVELED LIP; INCISED AND PUNCTATED DECORATION
Lip Treatment/Shape/Angle/Thickness	ROUNDED/BEVELED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.7
Rim/Neck Height (cm)	4.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED & PUNCTATED, SCROLL DESIGN WITH TOOL PUNCTATES FILLING SPACES
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	11.8
Body Height (cm)	5.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, OPPOSING DIAGONAL LINES
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 9/26/1942; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-7 / 2778 / 3HS33
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	1339
Type	Belcher Engraved *var. Belcher*
Decoration	engraved, noded
Rim :: Body	Central 7 :: plain
Paste	HARD, COMPACT
Temper	GROG (& SHELL, LEACHED?), FINE & SPARSE
Core Color (Munsell)	GRAY (5YR4/2)
Exterior Color (Munsell)	DK RED GRAY (5YR4/2), YELLOWISH RED (5YR5/6), V DK GRAY (5YR3/1)
Interior Color (Munsell)	YELLOWISH RED (5YR5/6), VERY DARK GRAY (5YR3/1), REDDISH BROWN (5YR5/3)
Vessel Overall Height (cm)	7.0
Vessel Overall Weight (g)	238
Vessel Maximum Diameter (cm)	17.7
Volume (liters)	
Usewear/Sooting/Condition	NO USE APPARENT; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, REGLUED, PART OF RIM AND BODY MISSING; 2778 INKED ON SIDE
Shape/Description	COMPOUND BOWL-OPEN BOWL, FLAT BASE, DOUBLE RIM WITH ENGRAVED DECORATION
Lip Treatment/Shape/Angle/Thickness	ROUNDED, NONE
Orifice Exterior Diameter (cm)	17.7
Rim/Neck Height (cm)	2.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED UPPER RIM, INSLANTED LOWER RIM
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED TICKED LINE AND JABS ON UPPER RIM, HORIZONTAL LINE, VERTICAL LINES, JABS, NODES ON LOWER RIM
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	SHALLOW OPEN COMPOUND BOWL, UPPER RIM CREATED "COLLAR" ON INTERIOR
Body Maximum Diameter (cm)	14.5
Body Height (cm)	4.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN BELOW LOWER RIM
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	6.8
Base Surface/Decorative Treatment	
Appendages/Handles	4 NODES (1 MISSING) AT LOWER RIM
Notes	Huddleston Burial 6, 1/24/1943; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-9 / 2126 / 3HS33
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	K5287
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth, some mica or fine sand in paste
Temper	Grog and Shell (leached), coarse & moderately abundant
Core Color (Munsell)	
Exterior Color (Munsell)	BROWN (7.5YR4/4), V DK BROWN (7.5YR2.5/3), STRONG BROWN (7.5YR4/6)
Interior Color (Munsell)	DARK REDDISH BROWN (7.5YR2.5/2)
Vessel Overall Height (cm)	14.5
Vessel Overall Weight (g)	404
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	1.0
Usewear/Sooting/Condition	wear marks on body; carbonized residue interior and exterior; reconstructed in past, hole in bottom; 2126 inked lower body
Shape/Description	Jar, Short Rim
Lip Treatment/Shape/Angle/Thickness	Burnished, Flattened, 0.5
Orifice Exterior Diameter (cm)	12.0
Rim/Neck Height (cm)	5.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Outslanted
Rim/Neck Surface/Decorative Treatment	Burnished
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Sub-globular
Body Maximum Diameter (cm)	12.0
Body Height (cm)	9.0
Body Surface/Decorative Treatment	Burnished; Plain, join line not completely smoothed between rim and body
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial X or 1, 3/2/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-10 / 2666 / 3HS33
Vessel Form	seed jar
ARAS/HSU Digital Photo	N2984
Type	
Decoration	engraved
Rim :: Body	Elgin (need new) :: Emerson 26
Paste	Compact, Hard, Smooth, Mica in paste
Temper	Shell (leached) + grog, medium size & abundant
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY (7.5YR4/1), GRAY (7.5YR6/1)
Interior Color (Munsell)	
Vessel Overall Height (cm)	19.7
Vessel Overall Weight (g)	774
Vessel Maximum Diameter (cm)	14.8
Volume (liters)	2.0
Usewear/Sooting/Condition	Fireclouding; reassembled in past, reconstructed handle; 2666 inked on base
Shape/Description	Seed Jar, engraved, four handles
Lip Treatment/Shape/Angle/Thickness	Smoothed, flat, none, 0.4
Orifice Exterior Diameter (cm)	3.5
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Inslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Engraved, 3 horiz lines 9-10mm apart, 4th spurred line
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Cylindrical
Body Maximum Diameter (cm)	14.8
Body Height (cm)	18.0
Body Surface/Decorative Treatment	Smoothed; Engraved, elongated half circles with reg pigment in engraved lines; lines 6-8mm apart
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	12.5 / 0.7
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	4 perforated handles (2 top, 2 bottom), 1 restored
Notes	Huddleston Burial 5, 11/7/1942; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-11 / 2125 / 3HS33
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N3153
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Cedar 3? Caldwell 3? :: plain
Paste	Compact, Hard, Smooth, Mica in paste
Temper	Grog, medium in abundance and size + shell (leached), med, sparse
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (5YR2.5/1), REDDISH BROWN (5YR5/3)
Interior Color (Munsell)	BLACK (5YR2.5/1), REDDISH BROWN (5YR5/3)
Vessel Overall Height (cm)	7.8
Vessel Overall Weight (g)	413
Vessel Maximum Diameter (cm)	17.1
Volume (liters)	1.0
Usewear/Sooting/Condition	Bottom roughened (wear); blackened on body/base (soot or fireclouding?); complete vessel, 2 small chips out of rim; 2125 inked on base
Shape/Description	Carinated Bowl
Lip Treatment/Shape/Angle/Thickness	Smoothed, Flat/Round, sl. everted, 0.3
Orifice Exterior Diameter (cm)	15.5
Rim/Neck Height (cm)	3.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Carinated
Rim/Neck Surface/Decorative Treatment	Smoothed, Punctated, 4 horizontal rows of punctates, triangular tool jabs rather than fingernail
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	Convex
Body Maximum Diameter (cm)	17.0
Body Height (cm)	4.3
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial X or 1, 3/2/1940; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-12 / 2667 / 3HS33
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	N3202
Type	
Decoration	incised/punctated
Rim :: Body	Butler? Barnard? :: Coker?
Paste	Compact, Hard, Smooth
Temper	Shell (leached), coarse and abundant
Core Color (Munsell)	LIGHT REDDISH BROWN (5YR6/4), PINK (7.5YR7/4)
Exterior Color (Munsell)	LT BROWN (7.5YR6/4), DK GRAY (7.5YR4/1), LT RED BROWN (5YR6/4)
Interior Color (Munsell)	LIGHT BROWN (7.5YR6/4), DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	17.0
Vessel Overall Weight (g)	545
Vessel Maximum Diameter (cm)	22.0
Volume (liters)	
Usewear/Sooting/Condition	Some sooting on exterior shoulder, fireclouding; partial vessel, reconstructed with plaster in past; 2667 inked near base
Shape/Description	Jar, Short Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, everted, 0.4
Orifice Exterior Diameter (cm)	16.0
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Inslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised, 8 horizontal incised lines- close spaced wide lines, 2mm
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	High-waisted
Body Maximum Diameter (cm)	22.0
Body Height (cm)	14.5
Body Surface/Decorative Treatment	Smoothed; Punctated, four rows of horizontal fingernail? punctations around shoulder/top of body
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Burial 5, 11/7/1942; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-13 / 2665 / 3HS33
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N4442
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 2 (type) :: plain
Paste	Compact, Hard, Smooth
Temper	Shell (leached) and Grog, fine and abundant
Core Color (Munsell)	
Exterior Color (Munsell)	BROWN (10YR5/3), DARK GRAY (10YR4/1), DARK REDDISH GRAY (2.5YR3/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	9.5
Vessel Overall Weight (g)	615
Vessel Maximum Diameter (cm)	22.6
Volume (liters)	2.4
Usewear/Sooting/Condition	Fireclouding; Intact vessel; 2665 inked on base
Shape/Description	Carinated Bowl
Lip Treatment/Shape/Angle/Thickness	Burnished, rounded, everted, 0.4
Orifice Exterior Diameter (cm)	21.7
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Carinated/Inslanted
Rim/Neck Surface/Decorative Treatment	Burnished, Engraved, three tiers, horizontal ovals, crosshatching, ticked lines
Rim/Neck/Body Thickness (cm)	0.5 - 0.7
Body Shape	Convex
Body Maximum Diameter (cm)	22.6
Body Height (cm)	4.3
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial 5, 11/7/1942; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-14 / 2777 / 3HS33
Vessel Form	bottle
ARAS/HSU Digital Photo	N3645
Type	Keno Trailed
Decoration	trailed, punctated
Rim :: Body	Cornell 3 and Caldwell 5 :: Belhaven 17
Paste	Compact, Hard, Smooth, Abundant Mica
Temper	Grog, fine & sparse+ shell (leached), very sparse (voids)
Core Color (Munsell)	YELLOWISH RED (5YR5/6)
Exterior Color (Munsell)	GRAY (7.5YR5/1), LIGHT REDDISH BROWN (5YR6/4), PINK (5YR8/4)
Interior Color (Munsell)	GRAY (7.5YR5/1)
Vessel Overall Height (cm)	14.0
Vessel Overall Weight (g)	473
Vessel Maximum Diameter (cm)	13.4
Volume (liters)	0.7
Usewear/Sooting/Condition	Fireclouding; vessel reconstructed in past, missing small sherd from rim, lip chipped; 2777 inked on base
Shape/Description	Bottle, short neck, pedestal
Lip Treatment/Shape/Angle/Thickness	Burnished, rounded, everted, 0.4; thin incised notches on top of lip, perpendicular
Orifice Exterior Diameter (cm)	5.9
Rim/Neck Height (cm)	2.8
Neck Mid/Base Exterior Diameter (cm)	5.1 / 5.2
Rim/Neck Shape/Angle	Spool
Rim/Neck Surface/Decorative Treatment	Burnished, Punctated, three rows of vertical jabs
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Low waisted
Body Maximum Diameter (cm)	13.4
Body Height (cm)	8.7
Body Surface/Decorative Treatment	Burnished; Incised/Trailed, lines 2mm wide, 5mm apart nested arcs (Vs over Us) X4 around body
Base Shape/Curvature	Circular/Pedestal
Base Diameter/Height (cm)	7.6 / 2.5
Base Surface/Decorative Treatment	Burnished; incised/trailed lines w. punctated panels between, X3 around pedestal
Appendages/Handles	
Notes	Huddleston Burial 6, 1/24/1943; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-15 / 2661 / 3HS33
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	4846, N4611
Type	Hodges Engraved *var. Hodges*
Decoration	Engraved
Rim :: Body	Elgin 2 :: Ebbet 6
Paste	Compact, Hard, Smooth
Temper	Shell (leached, fine & abundant) + Grog (fine & sparse)
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY (7.5YR4/1), BROWN (7.5YR5/2), YELLOWISH RED (5YR5/6)
Interior Color (Munsell)	LIGHT BROWN (7.5YR6/3), DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	8.8
Vessel Overall Weight (g)	286
Vessel Maximum Diameter (cm)	16.2
Volume (liters)	0.8
Usewear/Sooting/Condition	Fireclouding; intact vessel; 2661 inked on base
Shape/Description	Bowl (cup)
Lip Treatment/Shape/Angle/Thickness	Burnished, beveled, sl. everted, 0.5
Orifice Exterior Diameter (cm)	16.2
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, outslanted (continuous with body)
Rim/Neck Surface/Decorative Treatment	Burnished; Engraved, 2 horizontal ticked lines below lip
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Convex
Body Maximum Diameter (cm)	14.8
Body Height (cm)	8.8
Body Surface/Decorative Treatment	Burnished; Engraved, ticked line hook elements up and down, bkgd crosshatched & balls, X2, 2 horiz ticked lines at base; lacks extra U shaped elements of other Ebbet 6
Base Shape/Curvature	Circular/Convex
Base Diameter/Height (cm)	8.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial 4, 10/26/1942; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-16 / 2644 / 3HS33
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	N4813
Type	De Roche Incised
Decoration	incised/punctated
Rim :: Body	Caldwell 7 :: Antioch 17
Paste	Compact, Hard, Smooth
Temper	Shell (leached), medium size & abundant
Core Color (Munsell)	PINKISH GRAY (7.5YR6/2)
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), DARK GRAY (7.5YR4/1)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), DARK GRAY (7.5YR4/1), BROWN (7.5YR5/2)
Vessel Overall Height (cm)	11.0
Vessel Overall Weight (g)	190
Vessel Maximum Diameter (cm)	12.5
Volume (liters)	
Usewear/Sooting/Condition	sooting on ext/int near rim; partial vessel, reconstructed in past & reglued, missing base and sev body sherds; no inked number
Shape/Description	Jar
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, sl. everted, 0.2
Orifice Exterior Diameter (cm)	11.0
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed; Punctated, 1 line of tool punctates (small, rounded) near rim/body junction
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	Subglobular
Body Maximum Diameter (cm)	12.5
Body Height (cm)	10.0
Body Surface/Decorative Treatment	Smoothed; Incised, close-spaced lines, zoned line-filled triangles and diamonds
Base Shape/Curvature	missing; from sherds, slightly flattened
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	plain
Appendages/Handles	
Notes	Huddleston Burial 2, 9/20/1942; Deceiper phase

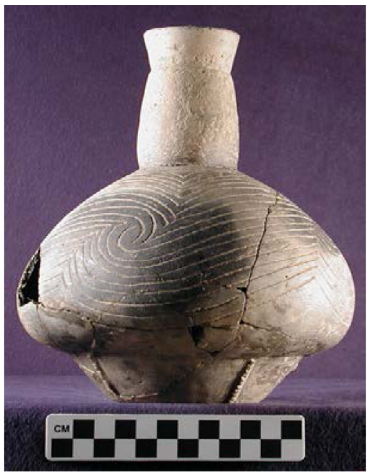
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	4-17 / 2650 / 3HS33
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	K5232
Type	De Roche Incised
Decoration	incised/punctated
Rim :: Body	Caldwell 7 :: Adrian 1
Paste	Compact, Hard, Smooth
Temper	Shell (leached), coarse & abundant
Core Color (Munsell)	
Exterior Color (Munsell)	PINK (7.5YR7/4), DARK GRAY (7.5YR4/1), BROWN (7.5YR5/2)
Interior Color (Munsell)	PINK (7.5YR7/4), BROWN (7.5YR5/2)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	148
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	0.6
Usewear/Sooting/Condition	partial vessel, reconstructed in past, hole in side
Shape/Description	Jar, Short Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, everted (flared), 0.4
Orifice Exterior Diameter (cm)	11.0
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, vertical
Rim/Neck Surface/Decorative Treatment	Smoothed, Punctated, 1 row of vertical tool punctations
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	Sub-Globular
Body Maximum Diameter (cm)	12.0
Body Height (cm)	7.5
Body Surface/Decorative Treatment	Smoothed; incised, broad incised/trailed nested diamond pattern covering body
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Burial 3, 9/26/1942; Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-1 / 1241 / 3CL81
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	1801
Type	Keno related
Decoration	incised
Rim :: Body	plain :: Belhaven 2
Paste	SOFT, CRUMBLY
Temper	SHELL (LEACHED), FINE TO MEDIUM, ABUNDANT
Core Color (Munsell)	DARK GRAY
Exterior Color (Munsell)	BROWN, VERY DARK GRAY FIRECLOUDS, PINKISH GRAY
Interior Color (Munsell)	GRAY, VERY DARK GRAY
Vessel Overall Height (cm)	10.3
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	16.6
Volume (liters)	
Usewear/Sooting/Condition	SURFACE ERODED, BASE ABRADED; POSSIBLE TRACES OF SOOTING ON EXT, FIRECLOUDING; VESSEL RECONSTRUCTED IN PAST
Shape/Description	SIMPLE GLOBULAR BOWL WITH CONVEX BASE, SHORT FLARING RIM
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	16.6
Rim/Neck Height (cm)	1.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	14.5
Body Height (cm)	8.4
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, SCROLLS, VERY DIFFICULT TO DISCERN TOTAL PATTERN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	4.3
Base Surface/Decorative Treatment	SMOOTHED/PLAIN
Appendages/Handles	
Notes	Huddleston 'from Stanford mound', Phillips photo 3889 (Huddleston 213)

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	5-2 / 1239 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	689
Type	Keno Trailed
Decoration	incised
Rim :: Body	plain :: Belhaven 1, 18 (sim.)
Paste	SOFT, SILTY, COMPACT
Temper	GROG, FINE & GRIT
Core Color (Munsell)	GRAY (10YR5/1)
Exterior Color (Munsell)	V PALE BROWN (10YR7/4), DK GRAY (10YR4/1), RED (2.5YR4/8) INCISING
Interior Color (Munsell)	LIGHT BROWNISH GRAY (10YR6/2)
Vessel Overall Height (cm)	22.5
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	17.2
Volume (liters)	
Usewear/Sooting/Condition	SURFACE ERODED; FIRECLOUDING; VESSEL RECONSTRUCTED, BODY SHERD MISSING, BOTTLE NECK NOT ATTACHED
Shape/Description	BOTTLE, GLOBULAR-LONG NECKED-PEDESTAL BASE, FLARED SPOOL NECK
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. THINNED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.0
Rim/Neck Height (cm)	2.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PLAIN; ERODED
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	17.2
Body Height (cm)	14.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED ARCS AND INTERLOCKING SCROLLS, 3 HORIZ LINES AT BASE OF NECK; TRACE RED PIGMENT IN INCISED [ENGRAVED?] LINES
Base Shape/Curvature	CIRCULAR/PEDESTAL
Base Diameter/Height (cm)	12.1 / 4.0
Base Surface/Decorative Treatment	SMOOTHED/BURNISHED; 4 NOTCHED VERTICAL APPLIQUE STRIPS
Appendages/Handles	APPLIQUE STRIPS ON PEDISTAL
Notes	Huddleston Burial 11, 5/20/1938; Phillips photo 3896 (Huddleston 57); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-3 / 1392 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	1149
Type	Keno Trailed
Decoration	incised
Rim :: Body	plain :: Belhaven 1
Paste	MEDIUM-HARD, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM SIZE AND ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), BROWN (10YR5/3)
Interior Color (Munsell)	
Vessel Overall Height (cm)	19.2
Vessel Overall Weight (g)	458
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	MINIMAL WEAR ON BASE, LIP CHIPPING PROBABLY POST-DEPOSITIONAL; FIRECLOUDING; COMPLETE VESSEL, NECK GLUED TO BODY IN PAST; RESIDUE OF PAPER TAG VISIBLE NEAR BASE
Shape/Description	BOTTLE-LONG NECK WITH FLARED LIP-SQUAT GLOBULAR BODY-FLAT CIRCULAR BASE-BODY HAS INCISED DECORATION
Lip Treatment/Shape/Angle/Thickness	BEVELED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	4.8
Rim/Neck Height (cm)	8.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	13.7
Body Height (cm)	10.8
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED LINE DECORATION ON BODY-SCROLL REPEATED 4X-LINES 2-3MM WIDE, 5-7MM APART
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	5.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 26, 3/25/1939; Phillips photo 3892 (Huddleston 173); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-4 / 1242 / 3CL81
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3922
Type	Cook Engraved
Decoration	engraved
Rim :: Body	Eddy 3 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE
Core Color (Munsell)	DARK GRAY (7.5YR4/1)
Exterior Color (Munsell)	REDDISH YELLOW (7.5YR6/6), BLACK (10YR2/1), GRAYISH BROWN (10YR5/2)
Interior Color (Munsell)	REDDISH YELLOW (7.5YR6/6), BLACK (10YR2/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	7.9
Vessel Overall Weight (g)	408
Vessel Maximum Diameter (cm)	20.0
Volume (liters)	
Usewear/Sooting/Condition	WEAR/EROSION/LEACHING IN SEVERAL AREAS; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING/UNATTACHED; 1242 INKED ON BASE, REMNANT PAPER TAG INT.
Shape/Description	CARINATED BOWL WITH INCURVED RIM, FLARED AND FLATTENED LIP, BROAD U-SHAPE BODY, AND ROUND BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED (FLARED)
Orifice Exterior Diameter (cm)	19.4
Rim/Neck Height (cm)	2.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, PANELS OF ENGRAVED LINES, TICKED LINES W TICKING ALTERNATING UP/DOWN
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	20.0
Body Height (cm)	5.0
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 17, 6/11/1938; Phillips photo 3902 (Huddleston 66); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-5 / 2397 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	3928
Type	Blakely Engraved *var*. *Blakely*
Decoration	engraved
Rim :: Body	plain :: Esop 3
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL (LEACHED), FINE & SPARSE
Core Color (Munsell)	GRAYISH BROWN (10YR5/2)
Exterior Color (Munsell)	GRAY (7.5YR5/1), DARK GRAY (7.5YR4/1), GRAYISH BROWN (10YR5/2)
Interior Color (Munsell)	GRAY (10YR5/1), PALE BROWN (10YR6/3), VERY PALE BROWN (10YR7/4)
Vessel Overall Height (cm)	29.8
Vessel Overall Weight (g)	964
Vessel Maximum Diameter (cm)	20.5
Volume (liters)	
Usewear/Sooting/Condition	BASE MODERATELY/HEAVILY WORN; SURFACE WEAR/EROSION ON BODY; VESSEL RECONSTRUCTED WITH GLUE AND PLASTER IN PAST, SEVERAL MISSING SHERDS; 2397 INKED NEAR BASE
Shape/Description	LARGE LONG-NECK BOTTLE WITH FLARED AND ROUNDED LIP, GLOBULAR BODY, AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.5
Rim/Neck Height (cm)	11.3
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED (ERODED), PLAIN
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	20.5
Body Height (cm)	18.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (ERODED); ENGRAVED, DIAGONAL LINE UNIT WITH CURVILINEAR FEATURES AT CENTRAL ELEMENT
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 26 (27?), 1/4/1940 or 1/4/1941; Mid-Ouachita-Social Hill phase; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-6 / 1437 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3924
Type	Caney Punctated variant?
Decoration	brushed/ridge pinched
Rim :: Body	Dana 4 :: Curry 4 (type)
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	BLACK (5YR2/1)
Exterior Color (Munsell)	DK GRAY (10YR4/1), V DK GRAY (7.5YR3/1), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	VERY DARK GRAY (7.5YR3/1), DARK GRAY (5YR4/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	12.8
Vessel Overall Weight (g)	287
Vessel Maximum Diameter (cm)	15.3
Volume (liters)	
Usewear/Sooting/Condition	WEAR/SURFACE EROSION/LEACHING; BLACKENED INT., FIRECLOUDING; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE, MOST OF RIM IS MISSING/UNATTACHED
Shape/Description	SMALL TALL-RIM JAR WITH A FLARED AND ROUNDED LIP, GLOBULAR BODY, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED (FLARED)
Orifice Exterior Diameter (cm)	15.3
Rim/Neck Height (cm)	4.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; BRUSHED, IRREG HORIZONTAL BRUSHING AROUND RIM
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	11.7
Body Height (cm)	8.0
Body Surface/Decorative Treatment	SMOOTHED; RIDGE PINCHED, PAIRED COLUMNS OF PUNCTATES CREATE VERTICAL RIDGES (REPEATED 4 X), PATTERN SLOPES DIAGONALLY FROM LEFT TO RIGHT
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 17, 6/11/1938; Phillips photo 3916 (Huddleston 68); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-7 / 1282 / 3CL81
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3926
Type	Karnack Brushed-Incised?
Decoration	incised
Rim :: Body	Austin 1 :: Abraham 3 (type)
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (LEACHED), COARSE & ABUNDANT + BONE, FINE & SPARSE
Core Color (Munsell)	VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), BLACK (7.5YR2.5/1), STRONG BROWN (7.5YR5/6)
Interior Color (Munsell)	DARK GRAY (10YR4/1), VERY DARK GRAY (10YR3/1), REDDISH YELLOW (5YR6/6)
Vessel Overall Height (cm)	14.0
Vessel Overall Weight (g)	305
Vessel Maximum Diameter (cm)	13.0
Volume (liters)	
Usewear/Sooting/Condition	WORN/ERODED/LEACHED SURFACES; BLACKENED INT. AND UPPER BODY EXT.; VESSEL RECONSTRUCTED WITH GLUE, PART OF RIM MISSING
Shape/Description	SMALL SHORT-RIM JAR WITH FLARED AND ROUNDED LIP, TALL AND RAIRLY STRAIGHT-SIDED BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.0
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, SHORT VERTICAL INCISED LINES
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	ELONGATED
Body Maximum Diameter (cm)	11.5
Body Height (cm)	13.0
Body Surface/Decorative Treatment	SMOOHTED; INCISED, MEDIUM-WIDE SPACED VERTICAL SHALLOW INCISED LINES AROUND VESSEL
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 26, 3/25/1939; Phillips photo 3884 (Huddleston 170); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-8 / 1314 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	3932
Type	
Decoration	plain
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE, MODERATELY ABUND.
Core Color (Munsell)	REDDISH BROWN (5YR5/4), GRAY (10YR5/1)
Exterior Color (Munsell)	BLACK (10YR2/1), YELLOWISH BROWN (10YR5/4), V DK GRAY (10YR3/1)
Interior Color (Munsell)	DARK GRAY (5YR4/1), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	18.8
Vessel Overall Weight (g)	559
Vessel Maximum Diameter (cm)	14.1
Volume (liters)	
Usewear/Sooting/Condition	MINOR WEAR AROUND BASE RING; FIRECLOUDING; PARTIAL VESSEL, RECONSTRUCTED WITH GLUE IN PAST, 1/3 OF NECK MISSING
Shape/Description	MEDIUM-TALL NECKED BOTTLE WITH FLARED AND ROUNDED, SQUAT-GLOBULAR BODY, AND FLAT AND CONCAVE BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED (FLARED)
Orifice Exterior Diameter (cm)	4.0 (est.)
Rim/Neck Height (cm)	7.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	14.1
Body Height (cm)	11.1
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	CIRCULAR, FLAT/CONCAVE
Base Diameter/Height (cm)	4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 26, 3/25/1939; Phillips photo 3880 (Huddleston 169); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-9 / 1402 / 3CL81
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3934
Type	
Decoration	engraved
Rim :: Body	plain :: Evansville 4
Paste	HARD, FINE, SILTY, COMPACT
Temper	SHELL (SOME LEACHED) & BONE, FINE & MODERATELY ABUND.
Core Color (Munsell)	GRAY (7.5YR5/1)
Exterior Color (Munsell)	DK GRAY (10YR4/1), BLACK (7.5YR2.5/1), LT BROWNISH GRAY (10YR6/2)
Interior Color (Munsell)	VERY DARK GRAY (7.5YR3/1), DARK GRAY (10YR4/1), LIGHT BROWNISH GRAY (10YR6/2)
Vessel Overall Height (cm)	10.6
Vessel Overall Weight (g)	346
Vessel Maximum Diameter (cm)	21.1
Volume (liters)	
Usewear/Sooting/Condition	BASE IS MODERATELY WORN; BLACKENED INT., FIRECLOUSING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEV RIM FRAGMENTS MISSING, 3 PROBE HOLES IN BODY/BASE, 1402 INKED ON BASE
Shape/Description	SIMPLE BOWL ('HELMUT' SHAPE) WITH FLARED, BEVELLED LIP, ROUNDED BODY AND ROUND BASE
Lip Treatment/Shape/Angle/Thickness	BEVELLED, SL. EVERTED (FLARED)
Orifice Exterior Diameter (cm)	21.1
Rim/Neck Height (cm)	2.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED (ERODED), PLAIN
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	CONVEX
Body Maximum Diameter (cm)	18.5
Body Height (cm)	7.7
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (ERODED); ENGRAVED, CONCENTRIC CIRCULAR SPIRAL PATTERN REPEATED 3X
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 16, 6/5/1938; Phillips photo 3907 (Huddleston 217); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-10 / 1289 / 3CL81
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	3936
Type	
Decoration	incised/punctated
Rim :: Body	Concord 3 :: Buffalo 14
Paste	MEDIUM-HARD, GRANULAR, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), GRAY BROWN (10YR5/2), PALE BROWN (10YR6/3)
Interior Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4), VERY DARK GRAY (10YR3/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	12.7
Vessel Overall Weight (g)	317
Vessel Maximum Diameter (cm)	13.9
Volume (liters)	
Usewear/Sooting/Condition	WORN/ERODED/LEACHED SURFACES; BLACKENED RIM INT., SOOT RESIDUE EXT. UPPER BODY, FIRECLOUDING; VESSEL INTACT EXCEPT A FEW SMALL CHIPS AROUND LIP, PROBE HOLE IN UPPER BODY
Shape/Description	SHORT-RIM JAR WITH FLARED, FLATTENED LIP, GLOBULAR BODY, AND SLIGHTLY ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.6
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PUNCTATED, 3 HORIZONTAL ROWS (OR VERTICAL ROWS OF 3) PUNCTATE LINES AROUND RIM
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	13.9
Body Height (cm)	10.7
Body Surface/Decorative Treatment	SMOOTHED, INCISED/TRAILED, SPIRAL DESIGN REPEATED 3X AROUND BODY
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 11, 5/20/1938; Phillips photo 3856 (Huddleston 56); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-11 / 1298 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3938
Type	Foster Trailed-Incised *var*. *Foster*
Decoration	incised/applique
Rim :: Body	Alfred 2 :: Baker 4
Paste	MEDIUM-HARD, SILTY, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	YELLOWISH BROWN (10YR5/4)
Exterior Color (Munsell)	LT YELLOW BROWN (10YR6/4), DK GRAY (10YR4/1), V DK GRAY (7.5YR3/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	11.3
Vessel Overall Weight (g)	272
Vessel Maximum Diameter (cm)	11.8
Volume (liters)	
Usewear/Sooting/Condition	BASE SLIGHTLY WORN; TRACE SOOT EXT RIM, FIRECLOUDING; VESSEL INTACT EXCEPT FOR SECTION OF RIM, LIP CHIPPING; 1298 INKED NEAR BASE
Shape/Description	SMALL TALL-RIM JAR WITH SEMI-FLARED RIM, GLOBULAR BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLAT, SL. EVERTED (SEMI-FLARED)
Orifice Exterior Diameter (cm)	11.8
Rim/Neck Height (cm)	5.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE/OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, 5 SPACED BANDS OF DIAGONALLY INCISED SHORT SHARP-TOOL LINES
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	10.7
Body Height (cm)	6.1
Body Surface/Decorative Treatment	SMOOTHED; INCISED, CONCENTRIC CIRCLE PATTERN WITH APPLIQUE NODES IN CENTER OF 3 OF THE 4 PATTERN REPEATS
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	4.0
Base Surface/Decorative Treatment	
Appendages/Handles	3-PART APPLIQUE NODES (INSIDE 3 OF THE 4 CIRCLES)
Notes	Huddleston Burial 11, 5/20/1938; Phillips photo 3852 (Huddleston 58); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-12 / 1244 / 3CL81
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3940
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 3 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED) & GROG & GRIT, FINE
Core Color (Munsell)	YELLOWISH RED (5YR5/6), GRAY (5YR5/1)
Exterior Color (Munsell)	V DK GRAY (7.5YR3/1), DK GRAY (10YR4/1), YELLOWISH RED (5YR5/6)
Interior Color (Munsell)	REDDISH BROWN (5YR5/4), VERY DARK GRAY (7.5YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	10.0
Vessel Overall Weight (g)	644
Vessel Maximum Diameter (cm)	23.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL RIM FRAGMENTS MISSING, LIP CHIPPED
Shape/Description	LARGE CARINATED BOWL WITH DIRECT RIM, FLARED AND ROUNDED LIP, SHALLOW BODY AND ROUND BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	23.0
Rim/Neck Height (cm)	4.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, STRAIGHT
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, 3 TIERS WITH OVALS, TICKED LINES ON INTERIOR, CROSSHATCHING BACKGROUND
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	23.2
Body Height (cm)	5.4
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 12, 5/30-5/31/1938; Phillips photo 3984 (Huddleston 63); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-13 / 2787 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3942
Type	
Decoration	incised
Rim :: Body	Albertus 4 :: Abraham 1
Paste	HARD, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	GRAY (10YR5/1)
Exterior Color (Munsell)	DK GRAY (7.5YR4/1), LT YELLOW BRN (10YR6/4), V PALE BROWN (10YR7/3)
Interior Color (Munsell)	DARK GRAY (10YR4/1), LIGHT YELLOWISH BROWN (10YR6/4), REDDISH YELLOW (7.5YR6/6)
Vessel Overall Height (cm)	11.5
Vessel Overall Weight (g)	216
Vessel Maximum Diameter (cm)	12.9
Volume (liters)	
Usewear/Sooting/Condition	BASE SLIGHTLY WORN; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE, CHIPPED LIP; 2787 INKED NEAR BASE
Shape/Description	TALL-RIM JAR WITH A FLARED AND ROUNDED LIP, ROUNDED BODY, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED; EVERTED (FLARED)
Orifice Exterior Diameter (cm)	12.9
Rim/Neck Height (cm)	5.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, STRAIGHT
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, IRREG INCISED DIAGONAL LINES AROUND RIM
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	10.7
Body Height (cm)	6.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, IRREG VERTICAL LINES AROUND UPPER 1/2 OF BODY
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial X, 2/28/1943; Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-14 / 1245 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3944
Type	Foster Trailed-Incised
Decoration	incised
Rim :: Body	Alfred 2 :: Bellarmine 13 (type)
Paste	SOFT, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), FINE TO COARSE, ABUNDANT
Core Color (Munsell)	DARK GRAY (5YR4/1), VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	YELLOWISH RED (5YR5/6), BLACK (5YR2.5/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAYISH BROWN (10YR4/2), BROWNISH YELLOW (10YR6/6)
Vessel Overall Height (cm)	9.5
Vessel Overall Weight (g)	164
Vessel Maximum Diameter (cm)	13.8
Volume (liters)	
Usewear/Sooting/Condition	WORN/ERODED/LEACHED SURFACE; BLACKENED RIM INT. & BODY EXT., FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL FRAGMENTS MISSING/UNATTACHED FROM BODY/RIM
Shape/Description	TALL-RIM JAR WITH FLARED AND FLATTENED LIP, FLATTENED GLOBULAR BODY, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.8
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, SHARP-TOOL SHORT INCISED DIAGONAL BANDS (4) ENCIRCLING RIM, WIDE SPACING
Rim/Neck/Body Thickness (cm)	0.3 - 0.4
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	11.4
Body Height (cm)	5.5
Body Surface/Decorative Treatment	SMOOTHED; INCISED, CONCENTRIC HALFCIRCLE PATTERN REPEATED 3X
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	5.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 17, 6/11/1938; Phillips photo 3862 (Huddleston 64); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-15 / 1308 / 3CL81
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3946
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Caldwell 3 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (LEACHED), FINE & ABUNDANT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), BLACK (7.5YR2.5/1), YELLOWISH RED (5YR5/6)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	7.6
Vessel Overall Weight (g)	292
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	A FEW MODERATELY WORN SPOTS AROUND VESSEL; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE, CRACK, RIM CHIPPED
Shape/Description	SMALL CARINATED BOWL WITH A VERY SLIGHTLY FLARED AND ROUNDED LIP, ROUNDED BODY AND BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED (SL. FLARED)
Orifice Exterior Diameter (cm)	12.5
Rim/Neck Height (cm)	3.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, INSLANTED/CARINATED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PUNCTATED, 5 HORIZONTAL ROWS OF CIRCULAR TOOL PUNCTATES AROUND RIM
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	13.7
Body Height (cm)	4.1
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 11, 5/20/1938; Phillips photo 3878 (Huddleston 55); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-16 / 1284 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	3948
Type	Adair/Belcher Engraved
Decoration	engraved
Rim :: Body	Elgin 26 :: Edith 2 (sim.)
Paste	HARD, FINE, SILTY, COMPACT
Temper	SHELL (SOME LEACHED) & GRIT, FINE & ABUNDANT
Core Color (Munsell)	DARK GRAYISH BROWN (10YR4/2)
Exterior Color (Munsell)	DARK REDDISH GRAY (5YR4/2), BLACK (5YR2.5/1), BROWN (10YR5/3)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	21.3
Vessel Overall Weight (g)	1103
Vessel Maximum Diameter (cm)	15.9
Volume (liters)	
Usewear/Sooting/Condition	WORN AREAS ON BODY/BASE; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE, A FEW FRAGMENTS MISSING
Shape/Description	LONG-NECK BOTTLE WITH COMPOUND BODY
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	4.7
Rim/Neck Height (cm)	7.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	COMPOUND; CONCAVE OVER SUB-GLOBULAR
Body Maximum Diameter (cm)	15.9
Body Height (cm)	13.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, UPPER BODY WITH ALT VERTICAL RIDGES & 4 HORIZONTAL TICKED LINES (X4), LOWER SECTION WITH ALT TICKED AND PLAIN CIRCLES (4X), CROSSHATCHING, BALLS BETW
Base Shape/Curvature	UNDISTINGUISHED, SLIGHTLY FLATTENED
Base Diameter/Height (cm)	~5.5
Base Surface/Decorative Treatment	
Appendages/Handles	4 VERTICAL RIDGES ON UPPER BODY SECTION
Notes	Huddleston Burial 17, 6/11/1938; Phillips photo 3915 (Huddleston 65); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-17 / 1436 / 3CL81
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3952
Type	Friendship Engr. *var*. *Trigg?*
Decoration	engraved
Rim :: Body	Erie 2 :: Emporia 2 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	YELLOW RED (5YR5/6), GRAYISH BROWN (10YR5/2), V DK GRAY (10YR3/1)
Interior Color (Munsell)	YELLOWISH BROWN (10YR5/4), DARK GRAY (10YR4/1), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	10.0
Vessel Overall Weight (g)	553
Vessel Maximum Diameter (cm)	19.7
Volume (liters)	
Usewear/Sooting/Condition	BASE SLIGHTLY WORN; FIRECLOUDING; VESSEL INTACT; 1436 INKED ON BASE
Shape/Description	LARGE CARINATED BOWL WITH FLARED AND ROUNDED LIP, SHALLOW ROUNDED BODY, AND ROUND BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	19.7
Rim/Neck Height (cm)	5.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED, POSITIVE/NEGATIVE DESIGN OF SCROLLS, CROSSHATCHED BACKGROUND; WHITE PIGMENT IN ENGRAVING
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONVEX
Body Maximum Diameter (cm)	19.3
Body Height (cm)	4.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; PLAIN
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 8, 5/28/1938; Phillips photo 3903 (Huddleston 52); Mid-Ouachita phase?

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-18 / 1238 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	3954
Type	
Decoration	plain
Rim :: Body	
Paste	MEDIUM, SILTY, SLIGHTLY CRUMBLY
Temper	SHELL (LEACHED), FINE, MODERATELY ABUNDANT
Core Color (Munsell)	GRAY (10YR5/1)
Exterior Color (Munsell)	LT BROWNISH GRAY (10YR6/2), V PALE BROWN (10YR7/3), GRAY (10YR5/1)
Interior Color (Munsell)	GRAY (10YR5/1)
Vessel Overall Height (cm)	29.9
Vessel Overall Weight (g)	896
Vessel Maximum Diameter (cm)	21.0
Volume (liters)	
Usewear/Sooting/Condition	BASE MODERATELY TO HEAVILY WORN; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, ONE PC MISSING FROM BODY, CHIPPED LIP; 1238 INKED NEAR BASE
Shape/Description	LARGE LONG-NECK BOTTLE WITH A FLARED AND ROUNDED LIP, VERY SLIGHTLY SQUAT-GLOBULAR BODY, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTED
Orifice Exterior Diameter (cm)	4.5
Rim/Neck Height (cm)	10.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	21.0
Body Height (cm)	19.0
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	7.7
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 3, 5/20/1938; Phillips photo 3986 (Huddleston 46); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-19 / 1240 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3956
Type	Foster Trailed-Incised
Decoration	incised/applique
Rim :: Body	Agnes 1 :: Baker 26 (sim.)
Paste	HARD, GRANULAR, CRUMBLY
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1), DARK GRAY (10YR4/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), DK GRAY (10YR4/1), LT YELLOWISH BROWN (10YR6/4)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	13.8
Vessel Overall Weight (g)	375
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	SLIGHTLY TO MODERATELY WORN/ERODED/CRUMBLY; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, SEVERAL MISSING PCS, PROBE HOLE LOWER BODY
Shape/Description	TALL-RIM JAR WITH FLARED, SLIGHTLY FLATTENED LIP, SLIGHTLY ROUNDED BASE, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	SLIGHTLY FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	13.7
Rim/Neck Height (cm)	6.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, SL. OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, 4 HORIZONTAL ROWS OF DIAGONALLY INCISED SHORT LINES
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	SUB-GLOBULAR
Body Maximum Diameter (cm)	11.6
Body Height (cm)	7.6
Body Surface/Decorative Treatment	SMOOTHED; INCISED BROAD CONCENTRIC CIRCLES (X3), 2-PRONG APPLIQUE NODES (ONE MISSING) IN THE CENTER OF EACH; DESIGN ON UPPER 3/4 BODY
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	5.6
Base Surface/Decorative Treatment	
Appendages/Handles	2-PRONG APPLIQUE NODES ON BODY (ORIG 3, 1 MISSING)
Notes	Huddleston Burial 19, 7/18/1938; Phillips photo 3864 (Huddleston 72); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-20 / 1290 / 3CL81
Vessel Form	seed jar
ARAS/HSU Digital Photo	3958
Type	
Decoration	plain
Rim :: Body	
Paste	MEDIUM-HARD, SILTY, COMPACT
Temper	SHELL (PARTLY LEACHED), FINE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	LT YELLOWISH BROWN (10YR6/4), GRAY (10YR6/1), DK GRAY (10YR4/1)
Interior Color (Munsell)	
Vessel Overall Height (cm)	16.1
Vessel Overall Weight (g)	1461
Vessel Maximum Diameter (cm)	20.1
Volume (liters)	
Usewear/Sooting/Condition	BASE MODERATELY WORN; FIRECLOUDING; VESSEL INTACT; 1290 INKED ON LOWER BODY
Shape/Description	LARGE PLAIN SEED JAR WITH A LOW-WAISTED BODY AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED/BEVELED IN
Orifice Exterior Diameter (cm)	4.0
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, INSLANTED, CONTINUOUS WITH BODY
Rim/Neck Surface/Decorative Treatment	SMOOTHED; PLAIN
Rim/Neck/Body Thickness (cm)	0.8
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	20.1
Body Height (cm)	16.1
Body Surface/Decorative Treatment	SMOOTHED; PLAIN
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	12.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 12, 5/30-5/31/1938; Phillips photo 3905 (Huddleston 59); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-21 / 1283 / 3CL81
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	3960
Type	Friendship Engraved *var. Meador*
Decoration	engraved
Rim :: Body	Elwyn 2 :: plain
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT, SOME GRIT?
Core Color (Munsell)	REDDISH BROWN (5YR5/4)
Exterior Color (Munsell)	REDDISH BROWN (5YR5/4), VERY DARK GRAY (10YR3/1), BLACK (10YR2/1)
Interior Color (Munsell)	REDDISH BROWN (5YR5/4), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	8.8
Vessel Overall Weight (g)	428
Vessel Maximum Diameter (cm)	19.4
Volume (liters)	
Usewear/Sooting/Condition	BASE IS MOD TO HEAVILY WORN; FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE IN PAST, LARGE RIM PORTION MISSING, LIP CHIPPED; 1283 INKED NEAR BASE
Shape/Description	CARINATED BOWL WITH FLARED AND ROUNDED LIP, AND A ROUNDED BODY/BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	19.4
Rim/Neck Height (cm)	4.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, VERTICAL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & LIGHTLY BURNISHED; ENGRAVED, 2 OVAL PANELS LINKED BY L-SHAPED CROSSHATCHING, LADDERS, TICKED LINE AT CARINATION
Rim/Neck/Body Thickness (cm)	0.5 - 0.4
Body Shape	CONVEX
Body Maximum Diameter (cm)	19.0
Body Height (cm)	4.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (LIGHTLY); PLAIN
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 23, 11/26/1938; Phillips photo 3952 (Huddleston 88); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-23 / 2399 / 3CL81
Vessel Form	effigy bowl
ARAS/HSU Digital Photo	3962
Type	Means Engraved
Decoration	engraved/appliqued flange/handles
Rim :: Body	Elgin 1 :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE/ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Exterior Color (Munsell)	LT YELLOW BROWN (10YR6/4), DK GRAY BROWN (10YR4/2), BLACK (10YR2/1)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	10.7
Vessel Overall Weight (g)	428
Vessel Maximum Diameter (cm)	18.8
Volume (liters)	
Usewear/Sooting/Condition	SLIGHT TO MODERATE WEAR ALL AROUND; VESSEL RECONSTRUCTED WITH GLUE, EFFIGY HEAD BROKEN OFF
Shape/Description	SIMPLE BOWL WITH EFFIGY HEAD BROKEN OFF AND FLANGE AROUND RIM (BIRD?)
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE (DIRECT)
Orifice Exterior Diameter (cm)	16.1
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, VERTICAL, CONTINUOUS WITH BODY
Rim/Neck Surface/Decorative Treatment	ENGRAVED WITH APPLIQUE, SINGLE TICKED LINE BELOW LIP; APPLIQUE FLANGE BELOW TICKED LINE (BIRD WINGS WITH PRONGED HEAD/TAIL?)
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	CONVEX, ROUNDED
Body Maximum Diameter (cm)	18.8
Body Height (cm)	7.7
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (LIGHTLY); PLAIN
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	APPLIQUE FLANGE BELOW LIP, EFFIGY HEAD BROKEN OFF
Notes	Huddleston Burial 26 (27?), 1/4/1940 or 1/4/1941 (described by Huddleston as turtle effigy), Mid-Ouachita - Social Hill phase; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-24 / 1285 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3964
Type	Military Road Incised
Decoration	incised + punctated
Rim :: Body	Bethel 1 :: Bard 2
Paste	HARD, SILTY, COMPACT
Temper	GROG, FINE & ABUNDANT + SHELL, SPARSE
Core Color (Munsell)	PALE BROWN (10YR6/3), VERY PALE BROWN (10YR7/3), DARK GRAY (7.5YR4/1)
Exterior Color (Munsell)	DARK GRAY (7.5YR4/1), PALE BROWN (10YR6/3), YELLOWISH RED (5YR5/6)
Interior Color (Munsell)	GRAY (10YR6/1), REDDISH YELLOW (7.5YR6/6), VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	16.5
Vessel Overall Weight (g)	819
Vessel Maximum Diameter (cm)	17.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING, BLACKENED INTERIOR; RIM RECONSTR W GLUE IN PAST, SMALL CRACKS ON BODY; 1285 INKED ON INT RIM
Shape/Description	TALL-RIM JAR WITH FLARED, FLATTENED LIP, SUBGLOBULAR BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	17.2
Rim/Neck Height (cm)	6.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED + PUNCTATED, MEANDERING LINES WITH VERTICAL PUNCTATES ABOVE AND BELOW
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	14.3
Body Height (cm)	10.5
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED MEANDERING LINES ALTERNATING WITH ROWS OF VERTICAL PUNCTATES
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	8.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 21, 11/26/1938; Phillips photo 3912 (Huddleston 90); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-25 / 3CL81
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3966
Type	Hardman Engraved (similar)
Decoration	incised
Rim :: Body	Erie 3? Bates 2? :: plain
Paste	HARD, SILTY, COMPACT
Temper	SHELL (SOME LEACHED), FINE & ABUNDANT
Core Color (Munsell)	GRAYISH BROWN (10YR5/2)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), BLACK (10YR2/1), YELLOW BROWN (10YR5/4)
Interior Color (Munsell)	DARK GRAY (5YR4/1), VERY DARK GRAY (10YR3/1), YELLOWISH BROWN (10YR5/4)
Vessel Overall Height (cm)	15.0
Vessel Overall Weight (g)	655
Vessel Maximum Diameter (cm)	20.7
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; SPOTS OF MODERATE TO HEAVY EROSION ON VESSEL; SHERD LOT, RECONSTRUCTED WITH GLUE IN PAST, SEVERAL SHERDS MISSING, NO INKED #
Shape/Description	SIMPLE BOWL WITH SLIGHTLY FLARED AND ROUNDED LIP, U-SHAPED BODY, AND ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SLIGHTLY EVERTED (SLIGHTLY FLARED)
Orifice Exterior Diameter (cm)	20.7
Rim/Neck Height (cm)	1.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & INCISED, 3 FINE HORIZONTAL LINES BELOW LIP
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	CONVEX, CONTINUOUS RIM/BODY/BASE
Body Maximum Diameter (cm)	20.0
Body Height (cm)	13.4
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED (LIGHTLY); PLAIN
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 11, 5/20/1938; no inked number, 1977 catalog lists as B11 but unclear why; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-28 / 2785 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3968
Type	Foster Trailed-Incised
Decoration	incised
Rim :: Body	Agnes 1 :: Baker 1
Paste	HARD, GRANULAR, COMPACT
Temper	SHELL (SOME LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	BLACK (10YR2/1), GRAY (10YR5/1)
Exterior Color (Munsell)	BROWN (10YR5/3), VERY DARK GRAY (10YR3/1), BLACK (10YR2/1)
Interior Color (Munsell)	BLACK (10YR2/1), VERY DARK GRAY (10YR3/1), DARK GRAYISH BROWN (10YR4/2)
Vessel Overall Height (cm)	11.2
Vessel Overall Weight (g)	291
Vessel Maximum Diameter (cm)	14.3
Volume (liters)	
Usewear/Sooting/Condition	WEAR/EROSION/LEACHING; FIRECLOUDING, BLACKENED INTERIOR; SHERD LOT, RECONSTRUCTED WITH GLUE IN PAST, SEVERAL SHERDS MISSING
Shape/Description	TALL-RIM JAR WITH FLARED AND ROUNDED LIP, SUBGLOBULAR BODY, AND A FLAT BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	14.3
Rim/Neck Height (cm)	4.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, 5 ROWS OF DIAGONALLY INCISED LINES
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	12.6
Body Height (cm)	6.8
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, CONCENTRIC CIRCLES REPEATED 3X AROUND BODY, NO CENTRAL NODES
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	6.3
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial X, 2/28/1943; Social Hill-Deceiper phase

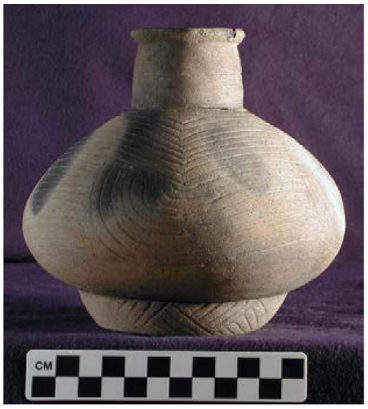
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-29 / 2410 / 3CL81
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	3920
Type	
Decoration	engraved
Rim :: Body	Erie? :: Elmira? (sim.)
Paste	MEDIUM-HARD, SILTY, COMPACT
Temper	FINE GROG & GRIT
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BROWN (10YR5/3), LT YELLOW BROWN (10YR6/4), DK GRAY (10YR4/1)
Interior Color (Munsell)	DARK GRAY (10YR4/1), VERY DARK GRAY (7.5YR3/1), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	11.3
Vessel Overall Weight (g)	307
Vessel Maximum Diameter (cm)	13.7
Volume (liters)	
Usewear/Sooting/Condition	BASE SLIGHTLY TO MODERATELY WORN; FIRECLOUDING; VESSEL RIM RECONSTRUCTED, LIP MISSING, PROBE HOLE IN BODY
Shape/Description	JAR-LIKE VESSEL WITH FLARED RIM, ROUNDED BODY, AND A VERY SLIGHTLY ROUNDED BASE
Lip Treatment/Shape/Angle/Thickness	MISSING
Orifice Exterior Diameter (cm)	12.6
Rim/Neck Height (cm)	4.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; ENGRAVED, 6 HORIZONTAL ENGRAVED BANDS ENCIRCLING RIM
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	13.7
Body Height (cm)	6.6
Body Surface/Decorative Treatment	SMOOTHED; ENGRAVED, ZONE OF HOOK ELEMENTS EXTENDING UPWARDS FROM BOTTOM LINE WITH CROSSHATCHING INSIDE HOOKS
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 26 (27?), 1/4/1940 or 1/4/1941; Mid-Ouachita-Social Hill phase; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-30 / 1292 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3950
Type	Foster Trailed-Incised *var. Foster*
Decoration	incised/applique
Rim :: Body	Alfred 6 :: Baker 22
Paste	MEDIUM, SILTY, SLIGHTLY CRUMBLY
Temper	SHELL, COARSE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAY (10YR3/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), BROWN (10YR5/3), LT YELLOW BROWN (10YR6/4)
Interior Color (Munsell)	BROWN (10YR5/3), GRAY (10YR5/1), LIGHT YELLOWISH BROWN (10YR6/4)
Vessel Overall Height (cm)	13.4
Vessel Overall Weight (g)	390
Vessel Maximum Diameter (cm)	16.0
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE, SEVERAL FRAGMENTS OF RIM MISSING, SEVERAL CRACKS AROUND RIM/BODY; 1292 INKED NEAR BASE
Shape/Description	TALL-RIM JAR WITH FLARED, ROUNDED LIP, SUBGLOBULAR BODY, AND FLATTENED BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	16.0
Rim/Neck Height (cm)	6.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	INCISED, 4 SPACED ROWS OF DIAGONAL SHORT TOOL INCISED LINES
Rim/Neck/Body Thickness (cm)	0.6 - 0.3
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	12.0
Body Height (cm)	7.2
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, CONCENTRIC CIRCLES WITH CENTRAL APPLIQUE SINGLE-PRONG NODE (REPEATED 3X)
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	5.2
Base Surface/Decorative Treatment	
Appendages/Handles	3 SINGLE-PRONG APPLIQUE NODES
Notes	Huddleston Burial 11, 5/20/1938; Phillips photo 3911 (Huddleston 54); Social Hill phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	5-31 / 1307 / 3CL81
Vessel Form	bottle
ARAS/HSU Digital Photo	670, 686
Type	Keno Trailed *var. Red Hill*
Decoration	incised
Rim :: Body	Bates 5 :: Belhaven 5 (sim.)
Paste	HARD, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM & ABUNDANT
Core Color (Munsell)	GRAY (10YR5/1)
Exterior Color (Munsell)	LT BRN GRAY (10YR6/2), BLACK (10YR2/1) FIRECL, RED YELLOW (5YR6/6)
Interior Color (Munsell)	
Vessel Overall Height (cm)	16.2
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	15.3
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; BOTTLE NECK MENDED TO BODY IN PAST, 2 PROBE HOLES ON BODY
Shape/Description	BOTTLE-SHORT NECK WITH INCISED PEDESTAL BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.4
Rim/Neck Height (cm)	4.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, 3 HORIZONTAL LINES
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	15.3
Body Height (cm)	10.0
Body Surface/Decorative Treatment	SMOOTHED; INCISED, NESTED ARCS ABOVE (CREATING SQUARE AROUND BOTTLE NECK WHEN VIEWED FROM ABOVE), NESTED HOOK/SCROLL BELOW
Base Shape/Curvature	CIRCULAR, PEDESTAL
Base Diameter/Height (cm)	9.5 / 2.1
Base Surface/Decorative Treatment	INCISED, LINE-FILLED TRIANGLES (SIM. TO AFTON)
Appendages/Handles	
Notes	Huddleston Burial 7, 5/28/1938; Phillips photo 3863 (Huddleston 51); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	5-32 / 1287 / 3CL81
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	3930
Type	Military Road Incised
Decoration	incised/punctated
Rim :: Body	Beloit 1 :: Bard 30 (type)
Paste	HARD, SILTY, COMPACT
Temper	GROG + SHELL (SOME LEACHED), SPARSE
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1)
Exterior Color (Munsell)	DK GRAY (10YR4/1), LT YELLOW BROWN (10YR6/4), RED YELLOW (5YR6/6)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), YELLOWISH BROWN (10YR5/4), GRAY (10YR5/1)
Vessel Overall Height (cm)	16.6
Vessel Overall Weight (g)	696
Vessel Maximum Diameter (cm)	15.4
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING, TRACE SOOT EXTERIOR, BLACKENED INTERIOR; RIM REATTACHED TO BODY WITH GLUE, LIP CHIPPED, CRACK IN BODY; 1287 INKED NEAR BASE; HEAVY VESSEL
Shape/Description	TALL-RIM JAR WITH FLARED AND FLATTENED LIP, SUBGLOBULAR BODY, AND FLAT BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	15.4
Rim/Neck Height (cm)	7.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; ROWS OF VERTICAL PUNCTATES ALTERNATING WITH IRREGULAR HORIZONTAL LINES
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	13.4
Body Height (cm)	9.6
Body Surface/Decorative Treatment	SMOOTHED; INCISED & PUNCTATED, HORIZONTAL AND MEANDERING LINES ABOVE MEANDERING VERTICAL PUNCTATES
Base Shape/Curvature	CIRCULAR, FLAT
Base Diameter/Height (cm)	7.2
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 12, 5/30-5/31/1938; Phillips photo 3913 (Huddleston 60); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	14-20 / 1340 / 3CL81
Vessel Form	effigy bowl
ARAS/HSU Digital Photo	3739
Type	
Decoration	appliqued handles
Rim :: Body	
Paste	HARD, SILTY, COMPACT
Temper	GROG & SHELL (LEACHED), FINE & ABUNDANT
Core Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2)
Exterior Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2), BLACK (10YR2/1), BROWN (10YR5/3)
Interior Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2), BROWN (10YR5/3), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	13.5
Vessel Overall Weight (g)	547
Vessel Maximum Diameter (cm)	24.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; BODY AND BASE MODERATELY WORN; VESSEL RECONSTRUCTED WITH GLUE, SEVERAL FRAGMENTS MISSING FROM LOWER BODY/BASE; 1340 INKED
Shape/Description	SIMPLE BOWL; TWO APPLIQUED HANDLES/NODES, ABSTRACT ANIMAL/BIRD HEAD/TAIL
Lip Treatment/Shape/Angle/Thickness	FLATTENED, NONE (DIRECT RIM)
Orifice Exterior Diameter (cm)	24.5
Rim/Neck Height (cm)	CONTINUOUS WITH BODY
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	CONICAL
Body Maximum Diameter (cm)	20.4
Body Height (cm)	13.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED
Base Shape/Curvature	CIRCULAR, FLATTENED
Base Diameter/Height (cm)	11.7
Base Surface/Decorative Treatment	
Appendages/Handles	2 APPLIQUE NODES FOR EFFIGY HEAD AND TAIL
Notes	Huddleston Burial 1, 5/14/1938; Phillips photo 3904 (Huddleston 44); prev. identified as 3CL40 but sketch in Huddleston notes fits Stanford description; Mid-Ouachita phase; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-1 / 1243 / 3CL82
Vessel Form	bottle
ARAS/HSU Digital Photo	681
Type	Keno Trailed *var*. *Curtis*
Decoration	incised
Rim :: Body	plain :: Belhaven 17
Paste	HARD, COMPACT, SMOOTH
Temper	SHELL (SOME LEACHED), MEDIUM & ABUNDANT
Core Color (Munsell)	PALE BROWN (10YR6/3), GRAY (10YR5/1), REDDISH YELLOW (5YR7/6)
Exterior Color (Munsell)	DARK GRAYISH BROWN (10YR4/2), VERY PALE BROWN (10YR7/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	20.6
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	14.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VERY HEAVY VESSEL, INTACT EXCEPT FOR REPAIRED LIP; 1243 INKED ON LOWER BODY
Shape/Description	BOTTLE-LONG NECK, INCISED BODY, WITH PEDESTAL BASE
Lip Treatment/Shape/Angle/Thickness	ROUNDED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.1
Rim/Neck Height (cm)	8.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	14.5
Body Height (cm)	7.9
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, NESTED ARCS ABOVE (CREATING SQUARE AROUND BOTTLE NECK WHEN VIEWED FROM ABOVE, NESTED SEMICIRCLES BELOW
Base Shape/Curvature	CIRCULAR, PEDESTAL
Base Diameter/Height (cm)	8.2 / 4.1
Base Surface/Decorative Treatment	6 INCISED HORIZONTAL LINES AROUND PEDESTAL (SIM. TO BATES)
Appendages/Handles	
Notes	Huddleston Grave 1, 4/9/1939; Phillips photo 3922 (Huddleston 179); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-2 / 1348 / 3CL82
Vessel Form	bottle
ARAS/HSU Digital Photo	1815
Type	Keno related
Decoration	incised/trailed
Rim :: Body	plain :: Bellarmine 9 (sim.)
Paste	HARD, COMPACT
Temper	GROG + SHELL (LEACHED), COARSE & ABUNDANT
Core Color (Munsell)	STRONG BROWN (7.5YR5/8)
Exterior Color (Munsell)	DK GRAY BROWN (10YR4/2), BROWN (10YR5/3), REDDISH YELLOW (5YR6/8)
Interior Color (Munsell)	REDDISH YELLOW (5YR6/8), BROWN (10YR5/3)
Vessel Overall Height (cm)	17.4
Vessel Overall Weight (g)	278
Vessel Maximum Diameter (cm)	11.3
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE; MISSING ABOUT 15%
Shape/Description	SMALL CARINATED BOTTLE WITH LONG NECK
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	3.8
Rim/Neck Height (cm)	8.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	VERTICAL, SLIGHT SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	BICONICAL
Body Maximum Diameter (cm)	11.3
Body Height (cm)	9.2
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, NESTED ARCHES ON UPPER BODY
Base Shape/Curvature	CIRCULAR, CONCAVE
Base Diameter/Height (cm)	4.5
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 5, 4/22/1939; Phillips photo 3875 (Huddleston 195); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-3 / 1367 / 3CL82
Vessel Form	bowl, carinated, compound
ARAS/HSU Digital Photo	K8216
Type	Belcher Engraved
Decoration	engraved
Rim :: Body	Central or Ezra :: plain
Paste	Compact, Hard, Smooth
Temper	Shell, medium, abundant
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), DARK GRAY (7.5YR4/1), PINKISH WHITE (5YR8/2)
Interior Color (Munsell)	BLACK (5YR2.5/1)
Vessel Overall Height (cm)	7.3
Vessel Overall Weight (g)	298
Vessel Maximum Diameter (cm)	18.6
Volume (liters)	1.0
Usewear/Sooting/Condition	edges of base roughened; complete vessel, small probe hole in lower body, small crack at rim; 1367 inked on lower body
Shape/Description	Compound, carinated bowl
Lip Treatment/Shape/Angle/Thickness	Burnished, Rounded, None, 0.2
Orifice Exterior Diameter (cm)	18.6 upper, 15.0 lower
Rim/Neck Height (cm)	1.7 upper, 0.8 lower
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	upper straight/outslanting, lower straight/inslanting
Rim/Neck Surface/Decorative Treatment	Burnished, upper - plain, lower- engraved, panels of vertical lines and horizontal ticked lines- pattern repeats 2 times - sim to *var. Belcher* but upper rim is plain
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	Convex
Body Maximum Diameter (cm)	15.5
Body Height (cm)	4.8
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Circular/Concave
Base Diameter/Height (cm)	3.6
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	small tabular "handles" or nodes on lower edge of lower rim, one on each side of vessel
Notes	Huddleston Grave 3, 4/10/1939; Phillips photo 3910 (Huddleston 186); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-4 / 1355 / 3CL82
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	1136
Type	Karnack Brushed-Incised *var*. *Fish Bayou*
Decoration	incised
Rim :: Body	plain :: Abraham 1
Paste	MEDIUM-SOFT, COMPACT
Temper	SHELL (SOME LEACHED), MEDIUM & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK (10YR2/1), V DK GRAY BRN (10YR3/2), BROWN (7.5YR5/4), FIRECLD
Interior Color (Munsell)	BLACK (10YR2/1), BROWN (7.5YR5/4)
Vessel Overall Height (cm)	13.8
Vessel Overall Weight (g)	370
Vessel Maximum Diameter (cm)	16.8
Volume (liters)	
Usewear/Sooting/Condition	HEAVY SOOT RESIDUE ON EXTERIOR LOWER BODY/NECK/RIM, ALSO INSIDE RIM, FIRECLOUDING; VESSEL RECONSTRUCTED WITH GLUE AND CLAY/PLASTER IN PAST, PROBE HOLE IN SIDE; 1355 INKED ON RIM
Shape/Description	SHORT RIM JAR, GLOBULAR BODY, ROUND BASE, FLARED RIM, WIDE INCISED/TRAILED LINES
Lip Treatment/Shape/Angle/Thickness	ROUNDED, SL. EVERTEED (FLARED)
Orifice Exterior Diameter (cm)	16.0
Rim/Neck Height (cm)	2.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.6 - 0.3
Body Shape	GLOBULAR
Body Maximum Diameter (cm)	16.8
Body Height (cm)	11.8
Body Surface/Decorative Treatment	SMOOTHED; INCISED/TRAILED, VERTICAL WIDE LINES FROM NECK TO BASE
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 4, 4/10/1939; Phillips photo 3937 (Huddleston 190); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-5 / 1351 / 3CL82
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	K8342
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth
Temper	Shell (leached), fine to medium, abundant
Core Color (Munsell)	BLACK (7.5YR2.5/1)
Exterior Color (Munsell)	BROWN (7.5YR5/3-5/4), DARK GRAY (7.5YR4/1)
Interior Color (Munsell)	PINKISH GRAY (7.5YR6/2), VERY DARK GRAY (7.5YR3/1), BLACK (7.5YR2.5/1)
Vessel Overall Height (cm)	8.0
Vessel Overall Weight (g)	482
Vessel Maximum Diameter (cm)	25.6
Volume (liters)	
Usewear/Sooting/Condition	Light roughening on exterior base; fireclouding; partial vessel reconstructed and partly plastered in past, several sherds missing from rim/body; 1351 inked on base, remains of paper tag on interior
Shape/Description	Bowl - open, shallow
Lip Treatment/Shape/Angle/Thickness	Smoothed, Rounded, Everted, 0.3
Orifice Exterior Diameter (cm)	25.6
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Outslanted, Continuous with body
Rim/Neck Surface/Decorative Treatment	Burnished, Plain
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	Convex
Body Maximum Diameter (cm)	25.6
Body Height (cm)	8.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 5, 4/22/1939; Phillips photo 3985 (Huddleston 193); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-6 / 1362 / 3CL82
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	621
Type	Keno/Wallace?
Decoration	incised
Rim :: Body	plain :: Buffalo 5
Paste	SOFT, SILTY, COMPACT
Temper	SHELL, COARSE & ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY, VERY PALE BROWN, GRAY
Interior Color (Munsell)	DARK GRAY, VERY PALE BROWN, BLACK
Vessel Overall Height (cm)	16.0
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	30.7
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; SOME SURFACE SPALLING/EROSION; RECONSTRUCTED IN PAST; 1362 INKED NEAR BASE
Shape/Description	WIDE 'HELMET-SHAPED' BOWL WITH OUTSLANTING RIM AND ROUND CONVEX BASE
Lip Treatment/Shape/Angle/Thickness	FLATTENED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	30.7
Rim/Neck Height (cm)	3.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	STRAIGHT, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.7 - 0.7
Body Shape	CONVEX
Body Maximum Diameter (cm)	26.9
Body Height (cm)	12.3
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, VERY BROAD CURVILINEAR TRAILING, NESTED SEMICIRCLES
Base Shape/Curvature	UNDISTINGUISHED, CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 3, 4/10/1939; Phillips photo 3993 (Huddleston 189); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-7 / 1350 / 3CL82
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K5413
Type	Cook Engraved
Decoration	engraved
Rim :: Body	Ezra 12 :: plain
Paste	Compact, Hard, Smooth
Temper	Shell, leached, medium & abundant + grog
Core Color (Munsell)	
Exterior Color (Munsell)	BROWN (7.5YR5/2)
Interior Color (Munsell)	DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	6.5
Vessel Overall Weight (g)	1
Vessel Maximum Diameter (cm)	18.0
Volume (liters)	1.0
Usewear/Sooting/Condition	Fireclooouding; partial vessel, reassembled in past, large rim/body sherd missing; 1350 inked on body/base
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	burnished, rounded, 0.5
Orifice Exterior Diameter (cm)	16.5
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Inslanted
Rim/Neck Surface/Decorative Treatment	burnished, 2 engraved horiz lines, one under lip, one at shoulder, central motif x 4 with alternating horiz ticked line and segmented ladder
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Convex
Body Maximum Diameter (cm)	18.0
Body Height (cm)	4.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	No rim tabs
Notes	Huddleston Grave 5, 4/22/1939; Phillips photo 3930 (Huddleston 192); Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-8 / 1354 / 3CL82
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N13990
Type	Means Engraved
Decoration	engraved
Rim :: Body	Enos 19 (type) :: plain
Paste	Compact, Hard, Smooth
Temper	Shell, leached & Grog, sparse and fine
Core Color (Munsell)	REDDISH BROWN (2.5YR5/3) (CORE MODE B)
Exterior Color (Munsell)	LT BROWN GRAY (10YR6/2), LT GRAY (10YR7/2), REDDISH BLACK (2.5YR2.5/1)
Interior Color (Munsell)	WEAK RED (2.5YR5/2), REDDISH GRAY (2.5YR5/1), DARK REDDISH GRAY (2.5YR4/1)
Vessel Overall Height (cm)	7.0
Vessel Overall Weight (g)	289
Vessel Maximum Diameter (cm)	16.7
Volume (liters)	1.0
Usewear/Sooting/Condition	Fireclouding; partial vessel reconstructed with glue in past, missing sherds from base, body, chips; 1354 inked on base of body, residue of old sticker on mid-body
Shape/Description	Carinated Bowl
Lip Treatment/Shape/Angle/Thickness	burnished, round, sl. everted, 0.3; engraved ticked lines/punctates
Orifice Exterior Diameter (cm)	16.7
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Carinated/inslanted
Rim/Neck Surface/Decorative Treatment	Burnished, Engraved, 4 panels of diagonal line with tick marks surrounding squares with 3 horizontal line between
Rim/Neck/Body Thickness (cm)	0.3
Body Shape	Conical
Body Maximum Diameter (cm)	16.7
Body Height (cm)	4.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Grave 2, 4/9/1939; Phillips photo 3891 (Huddleston 185); previous illustration Suhm & Jelks 1962:Plate 53J; Social Hill - Deceiper phase

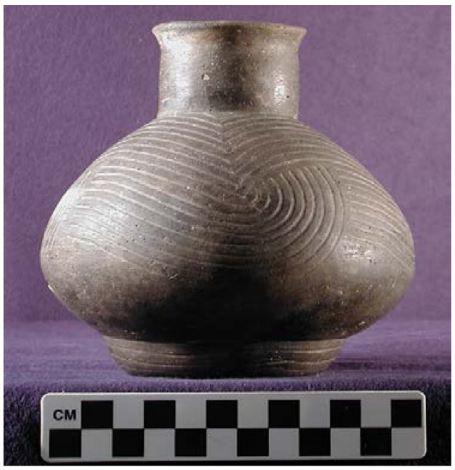
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-9 / 1364 / 3CL82
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	N14000
Type	Karnack Brushed-Incised *var. Midway*
Decoration	incised
Rim :: Body	plain :: Abraham 1 (type)
Paste	Compact, Hard, Smooth
Temper	Shell, coarse & abundant
Core Color (Munsell)	
Exterior Color (Munsell)	RED BLACK (2.5YR2.5/1), RED YELLOW (5YR6/8), PINKISH GRAY (7.5YR6/2)
Interior Color (Munsell)	PINKISH GRAY (7.5YR7/2), BLACK (7.5YR2.5/1)
Vessel Overall Height (cm)	11.0
Vessel Overall Weight (g)	279
Vessel Maximum Diameter (cm)	11.2
Volume (liters)	0.6
Usewear/Sooting/Condition	Light roughening ext base; slight fireclouding; intact vessel; 1364 inked on base
Shape/Description	JAR
Lip Treatment/Shape/Angle/Thickness	Burnished, rounded, sl. everted, 0.4
Orifice Exterior Diameter (cm)	10.2
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	Burnished
Rim/Neck/Body Thickness (cm)	0.3 - 0.4
Body Shape	Ovoid
Body Maximum Diameter (cm)	11.2
Body Height (cm)	10.0
Body Surface/Decorative Treatment	Smoothed; Incised, vertical incising from rim to base, wide line wet paste incising
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	6.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 3, 4/10/1939; Phillips photo 3874 (Huddleston 187); Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-10 / 1358 / 3CL82
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N10096
Type	Foster Trailed-Incised *var. Foster*
Decoration	incised
Rim :: Body	Alfred 2 (type) :: Baker 16 (type)
Paste	Compact, Hard, Smooth
Temper	Shell, leached, coarse & abundant
Core Color (Munsell)	BLACK (7.5YR2.5/1)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), RED YELLOW (7.5YR6/6), LT BROWN GRAY (10YR6/2)
Interior Color (Munsell)	BLACK (7.5YR2.5/1)
Vessel Overall Height (cm)	18.2
Vessel Overall Weight (g)	721
Vessel Maximum Diameter (cm)	17.9
Volume (liters)	
Usewear/Sooting/Condition	Encrustation interior rim, fireclouding; partial vessel, reconstructed, missing one node and sev pcs from lip/rim; 1358 inked near base
Shape/Description	JAR
Lip Treatment/Shape/Angle/Thickness	Smoothed, flat, sl. everted, 0.4
Orifice Exterior Diameter (cm)	17.9
Rim/Neck Height (cm)	8.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised, 4 rows of Diagonal Slash Incising, bands, unzoned, around 1 cm slashes, rows, 1cm apart
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	sub-globular
Body Maximum Diameter (cm)	15.4
Body Height (cm)	10.2
Body Surface/Decorative Treatment	Smoothed; Incised/Trailed; trailed lines 2mm wide, 5-6mm apart, 3 sets of concentric circles with central 3-part nodes (one missing); design stops 1 cm above base
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	3 nodes, nodes are 3-ball applique
Notes	Huddleston Grave 2, 4/9/1939; Phillips photo 3959 (Huddleston 180[181]); Social Hill - Deceiper phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	6-11 / 1369 / 3CL82
Vessel Form	bottle
ARAS/HSU Digital Photo	674
Type	Keno Trailed *var. Red Hill*
Decoration	incised
Rim :: Body	plain :: Belhaven 31
Paste	SOFT, SILTY, COMPACT
Temper	SHELL, LEACHED, FINE & SPARSE
Core Color (Munsell)	
Exterior Color (Munsell)	GRAY (10YR5/1), DARK GRAY (10YR4/1), VERY PALE BROWN (10YR8/3)
Interior Color (Munsell)	
Vessel Overall Height (cm)	14.3
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	13.3
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; VESSEL INTACT EXCEPT FOR ONE PROBE HOLE NEAR PEDESTAL AND ANOTHER PROBABLE PROBE HOLE NEAR PEDESTAL
Shape/Description	SHORT SQUAT BOTTLE WITH FLARED RIM, SHORT NECK, PEDESTAL BASE
Lip Treatment/Shape/Angle/Thickness	SMOOTHED, FLATTENED, EVERTED (FLARED), THINNED
Orifice Exterior Diameter (cm)	5.6
Rim/Neck Height (cm)	3.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	LOW-WAIST
Body Maximum Diameter (cm)	13.3
Body Height (cm)	10.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED, nested arcs creating square around neck, with nested scrolls on lower body
Base Shape/Curvature	PEDESTAL
Base Diameter/Height (cm)	8.7 / 1.7
Base Surface/Decorative Treatment	4 INCISED HORIZONTAL LINES AROUND PEDESTAL
Appendages/Handles	
Notes	probably Huddleston Grave 2, 4/9/1939 (sketch in notes); Phillips photo 3855 (Huddleston 84[184]); Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-12 / 1357 / 3CL82
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N14010
Type	Foster Trailed-Incised *var. Foster*
Decoration	incised
Rim :: Body	Alfred 6 (type) :: Baker 3 (type)
Paste	Compact, Hard, Smooth
Temper	Shell (some leached), coarse & abundant
Core Color (Munsell)	PINK (7.5YR7/4)
Exterior Color (Munsell)	V DK GRAY (10YR3/1), PINKISH GRAY (7.5YR7/2), REDDISH YELLOW (7.5YR6/6)
Interior Color (Munsell)	VERY DARK GRAY (5YR3/1), PINKISH GRAY (7.5YR7/2), REDDISH YELLOW (7.5YR6/6)
Vessel Overall Height (cm)	18.4
Vessel Overall Weight (g)	752
Vessel Maximum Diameter (cm)	19.4
Volume (liters)	3.0
Usewear/Sooting/Condition	Rim worn away on one side; possible small areas of soot on int rim; vessel is complete, chips to lip; 1357 inked on int rim, remnant of paper tag on interior
Shape/Description	Jar, Tall Rim; rim is uneven
Lip Treatment/Shape/Angle/Thickness	Smoothed, Rounded, Sl. Everted, 0.4
Orifice Exterior Diameter (cm)	19.4
Rim/Neck Height (cm)	8.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised, 5 bands of slanted, Incised lines, 1cm band of slash inc., 0.5cm space betw
Rim/Neck/Body Thickness (cm)	0.4 - 0.3
Body Shape	Sub-Globular
Body Maximum Diameter (cm)	15.9
Body Height (cm)	10.2
Body Surface/Decorative Treatment	Smoothed; Incised/Trailed, concentric lines with 3 tri-node clusters - Pattern reports 3 times
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.8
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	Three tri node clusters at waist of body
Notes	Huddleston Grave 2, 4/9/1939; Phillips photo 3948-49 (Huddleston 181); Social Hill - Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	6-13 / 1359 / 3CL82
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N13980
Type	Foster Trailed-Incised *var. Dobson*
Decoration	incised/brushed
Rim :: Body	Arlis 3 (type) :: Baker 1 (type)
Paste	Compact, Hard, Smooth
Temper	Shell (partly leached), fine & abundant
Core Color (Munsell)	GRAY (7.5YR5/1)
Exterior Color (Munsell)	GRAY (7.5YR6/1-10YR5/1), DARK GRAY (10YR4/1)
Interior Color (Munsell)	VERY DARK GRAYISH BROWN (10YR3/2), REDDISH GRAY (2.5YR5/1)
Vessel Overall Height (cm)	11.0
Vessel Overall Weight (g)	310
Vessel Maximum Diameter (cm)	13.1
Volume (liters)	0.8
Usewear/Sooting/Condition	Some int rim sooting, fireclouding; complete vessel except missing rim sherd and lip chipped; 1359 inked on int rim
Shape/Description	JAR
Lip Treatment/Shape/Angle/Thickness	Smoothed, Flattened, Sl. Everted, 0.3
Orifice Exterior Diameter (cm)	13.1
Rim/Neck Height (cm)	4.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised & Brushed, top & bottom band incised slant, Middle band horizontal brushing (sism to Dana 14)
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Sub-Globular
Body Maximum Diameter (cm)	11.2
Body Height (cm)	6.5
Body Surface/Decorative Treatment	Smoothed; Incised/Trailed, wide flat lines, 3 repeats/panels of concentric circles
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	4.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	no central nodes on body
Notes	Huddleston Grave 1, 4/9/1939; Phillips photo 3876 (Huddleston 178); Social Hill phase

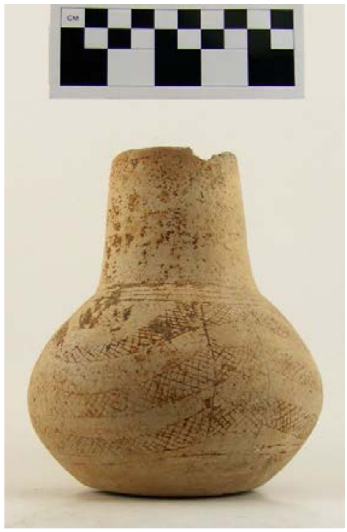
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-1 / 1207 / 3CL23
Vessel Form	effigy seed jar, quadruped
ARAS/HSU Digital Photo	1211
Type	
Decoration	incised/modeled
Rim :: Body	
Paste	SOFT, COARSE, SOME SAND/PEBBLES
Temper	GROG, FINE/ABUNDANT
Core Color (Munsell)	LIGHT YELLOWISH BROWN (10YR6/4)
Exterior Color (Munsell)	DK GRAY (10YR4/1), V PALE BROWN (10YR7/3), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	
Vessel Overall Height (cm)	21.0
Vessel Overall Weight (g)	1194
Vessel Maximum Diameter (cm)	15.2
Volume (liters)	
Usewear/Sooting/Condition	VESSEL WAS HEAVILY RECONSTRUCTED WITH GLUE AND PLASTER; FRONT LEGS BROKEN
Shape/Description	LARGE BULBOUS EFFIGY SEED JAR WITH 4 LEGS; OPENING ON TOP OF THE HEAD; BEAR? EFFIGY
Lip Treatment/Shape/Angle/Thickness	ROUNDED
Orifice Exterior Diameter (cm)	3.3
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, MODELED HEAD FEATURES (EARS, SNOUT) WITH INCISED EYE CIRCLES, MOUTH LINE, AND 2 PUNCTATES FOR NOSE
Rim/Neck/Body Thickness (cm)	0.7 - 0.6
Body Shape	GLOBULAR, OFFSET BETWEEN LEGS (SUPPORTS) AND HEAD (OPENING)
Body Maximum Diameter (cm)	15.2
Body Height (cm)	13.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; MODELED LEGS ATTACHED TO BASE, FRONT LEGS ATTACHED ONTO BODY
Base Shape/Curvature	CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	4 LEGS AND TAIL, NOT HOLLOW AS EVIDENCED BY BROKEN APPENDAGES
Notes	Huddleston Grave 3, 12/22-30/1938[1937?]; Phillips photo 3946 (Huddleston 38); Mid-Ouachita phase; previous illustration Suhm & Jelks 1962:Plate 25F; publ. Trubitt 2017

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-2 / 1209 / 3CL23
Vessel Form	bottle
ARAS/HSU Digital Photo	K8209
Type	Crockett Curvilinear Incised (similar)
Decoration	engraved
Rim :: Body	plain :: Elmhurst 1 (type)
Paste	Compact, Hard, Smooth, Mica in paste
Temper	Grog + shell (leached/voids) fine, sparse
Core Color (Munsell)	
Exterior Color (Munsell)	VERY PALE BROWN (10YR8/2), LIGHT RED (10R6/8), BLACK (5YR2.5/1)
Interior Color (Munsell)	REDDISH YELLOW (5YR6/8)
Vessel Overall Height (cm)	19.5
Vessel Overall Weight (g)	950
Vessel Maximum Diameter (cm)	18.0
Volume (liters)	1.6
Usewear/Sooting/Condition	Vessel is complete, small chip in lip; light-colored vessel, refired?; 1209 inked on base
Shape/Description	Bottle
Lip Treatment/Shape/Angle/Thickness	Smoothed, Rounded, None, 0.7
Orifice Exterior Diameter (cm)	5.3
Rim/Neck Height (cm)	8.0
Neck Mid/Base Exterior Diameter (cm)	6.3 / 7.3
Rim/Neck Shape/Angle	Insloping
Rim/Neck Surface/Decorative Treatment	Smoothed
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Low Waist
Body Maximum Diameter (cm)	18.0
Body Height (cm)	11.5
Body Surface/Decorative Treatment	Smoothed; Engraved, ticked line scroll, "punctates", crosshatching; pattern repeats 4 times, similar to Crockett C-I design
Base Shape/Curvature	Undistinguished/convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 8, 1/14/1938[1939]; Phillips photo 3939 (Huddleston 125); early Mid-Ouachita phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	8-3 / 1236 / 3CL23
Vessel Form	bottle
ARAS/HSU Digital Photo	K8180
Type	Maddox Engraved?
Decoration	engraved
Rim :: Body	plain :: Erie 10, Eric 28 (type)
Paste	Compact, Hard, Smooth
Temper	Grog, fine, sparse
Core Color (Munsell)	
Exterior Color (Munsell)	VERY PALE BROWN (10YR7/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	15.5
Vessel Overall Weight (g)	495
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	0.6
Usewear/Sooting/Condition	Roughened base, lip chipped; vessel is complete; light-colored vessel, refired?
Shape/Description	Bottle
Lip Treatment/Shape/Angle/Thickness	Smoothed, Flat, None, 0.5
Orifice Exterior Diameter (cm)	5.3
Rim/Neck Height (cm)	6.0
Neck Mid/Base Exterior Diameter (cm)	6.0 / 7.0
Rim/Neck Shape/Angle	insloping
Rim/Neck Surface/Decorative Treatment	Smoothed
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Subglobular
Body Maximum Diameter (cm)	12.0
Body Height (cm)	9.5
Body Surface/Decorative Treatment	Smoothed; Engraved, crosshatched bands - 4 lines at top of body 5mm apart, three vertical panels divide body, crosshatching not continuous across panels; trace of red pigment in design
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	7.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 5, 3/19/1938; Phillips photo 3861 (Huddleston 42); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-4 / 1204 / 3CL23
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	K5070, K5169
Type	Hempstead Engraved?
Decoration	engraved
Rim :: Body	Erie 1 :: Elmira 2
Paste	Compact, Hard, Smooth
Temper	grog, fine to medium, sparse to medium
Core Color (Munsell)	PINKISH GRAY (7.5YR7/2), VERY DARK GRAY (7.5YR3/1)
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), PINK (7.5YR7/4), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), PINKISH GRAY (7.5YR7/2)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	514
Vessel Maximum Diameter (cm)	16.4
Volume (liters)	1.1
Usewear/Sooting/Condition	Vessel reassembled with glue, several scars from probe; 1204 inked on base
Shape/Description	Bowl, simple
Lip Treatment/Shape/Angle/Thickness	Burnished, thinned, sl everted, 0.3
Orifice Exterior Diameter (cm)	14.9
Rim/Neck Height (cm)	1.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Inslanted
Rim/Neck Surface/Decorative Treatment	Burnished-eroded, Engraved, 1 engraved line 6-8mm below lip
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	Low-waist, continuous rim/body/base
Body Maximum Diameter (cm)	16.4
Body Height (cm)	7.0
Body Surface/Decorative Treatment	Burnished; Engraved, crosshatched background, plain balls/ovals, squashed, line on top and bottom of pattern, traces of red pigment in engraved areas
Base Shape/Curvature	Undistinguished/ convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Grave 8, 1/14/1938[1939]; Phillips photo 3918 (Huddleston 122); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-5 / 1230 / 3CL23
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	584
Type	Hempstead Engraved
Decoration	engraved
Rim :: Body	Erie 2 or 1? :: Elmira 8
Paste	HARD, FINE, COMPACT
Temper	GROG & CLAYGRIT, ABUNDANT
Core Color (Munsell)	LIGHT GRAY
Exterior Color (Munsell)	DARK REDDISH BROWN, BLACK FIRECLOUDS, REDDISH YELLOW
Interior Color (Munsell)	BLACK
Vessel Overall Height (cm)	10.1
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	20.2
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; CHIPS TO LIP; 1230 INKED NEAR BASE
Shape/Description	WIDE BOWL WITH ROUND CONVEX BASE; TALL INSLANTING TWO-FIELDED RIM; LIP IS SLIGHTLY THINNED AND FLATTENED
Lip Treatment/Shape/Angle/Thickness	THINNED, FLATTENED
Orifice Exterior Diameter (cm)	19.4
Rim/Neck Height (cm)	1.9
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONVEX, INSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, ENGRAVED-HORIZONTAL ENGRAVED LINE BELOW LIP
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	LOW-WAIST, CONTINUOUS RIM/BODY/BASE
Body Maximum Diameter (cm)	20.2
Body Height (cm)	3.6
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; ENGRAVED CROSSHATCHED TRIANGLES /PLAIN DIAMONDS, HORIZ LINES ABOVE AND BELOW
Base Shape/Curvature	UNDISTINGUISHED/CONVEX
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	BURNISHED/PLAIN
Appendages/Handles	
Notes	Huddleston Grave 8, 1/14/1938[1939]; Phillips photo 3960 (Huddleston 124); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-6 / 2087 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K8251
Type	Friendship Engraved *var*. *Freeman*
Decoration	engraved
Rim :: Body	Elaine 21 :: plain
Paste	Compact, Hard, Smooth
Temper	Grog, coarse
Core Color (Munsell)	
Exterior Color (Munsell)	DARK REDDISH GRAY (10R3/1-4/1), VERY PALE BROWN (10YR8/2)
Interior Color (Munsell)	DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	7.5
Vessel Overall Weight (g)	594
Vessel Maximum Diameter (cm)	21.1
Volume (liters)	
Usewear/Sooting/Condition	Encrustations; partial vessel, reconstructed with glue, missing most of base; 2087 inked body
Shape/Description	Bowl, carinated
Lip Treatment/Shape/Angle/Thickness	Flattened, sl. everted, 0.4
Orifice Exterior Diameter (cm)	21.1
Rim/Neck Height (cm)	5.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Outslanted
Rim/Neck Surface/Decorative Treatment	Burnished-eroded, Engraved, horizontal elongated ovals (segmented) with engraved crosshatching in between
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Convex, continuous with base
Body Maximum Diameter (cm)	21.1
Body Height (cm)	2.5
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished / mostly missing
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Grave 12, 12/9/1939; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-7 / 1386 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K8279
Type	Means/Cook Engraved variant?
Decoration	engraved
Rim :: Body	Enos 10 :: plain
Paste	Compact, Hard, Smooth, Mica in paste
Temper	Grog + leached shell, fine and sparse
Core Color (Munsell)	
Exterior Color (Munsell)	DARK GRAY (5YR4/1), REDDISH BROWN (5YR5/3)
Interior Color (Munsell)	VERY DARK GRAY (5YR3/1)
Vessel Overall Height (cm)	6.5
Vessel Overall Weight (g)	358
Vessel Maximum Diameter (cm)	18.5
Volume (liters)	
Usewear/Sooting/Condition	Encrustations; fireclouding; partial vessel, reconstructed with glue, missing about 1/4 of rim and sherd from body; 1386 inked on vessel
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	Burnished, flat, everted, sl. beveled in, 0.4; punctations
Orifice Exterior Diameter (cm)	18.0
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Inslanted, Carinated
Rim/Neck Surface/Decorative Treatment	Smoothed, engraved horizontal and vertical lines, ticked lines, trace white pigment?, punctations at lip and carination(sim. vessels Standridge, Lemley coll.)
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	Convex, continuous with base
Body Maximum Diameter (cm)	18.5
Body Height (cm)	3.5
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Flat
Base Diameter/Height (cm)	7.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	No information; mis-identified as Phillips photo 3988 (Huddleston 118)

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-8 / 3492 / 3CL23
Vessel Form	bottle
ARAS/HSU Digital Photo	K5249
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth
Temper	abundant fine leached shell + occasional grog
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BLACK (10YR2/1), VERY PALE BROWN (10YR8/2)
Interior Color (Munsell)	
Vessel Overall Height (cm)	23.5
Vessel Overall Weight (g)	903
Vessel Maximum Diameter (cm)	19.2
Volume (liters)	2.2
Usewear/Sooting/Condition	base is roughened; some fireclouding; vessel is complete, small chip from lip
Shape/Description	Bottle
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, everted, 0.4
Orifice Exterior Diameter (cm)	4.3
Rim/Neck Height (cm)	6.8
Neck Mid/Base Exterior Diameter (cm)	4.0 / 4.8
Rim/Neck Shape/Angle	vertical, slight spool
Rim/Neck Surface/Decorative Treatment	Smoothed
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Biconical
Body Maximum Diameter (cm)	19.2
Body Height (cm)	16.2
Body Surface/Decorative Treatment	Smoothed; Plain
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	6.3
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston ('found 2 pcs'), 12/7/1940

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-9 / 1219 / 3CL23
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	K8318
Type	Hempstead Engraved?
Decoration	engraved
Rim :: Body	Erie 11 :: Elmira 12
Paste	Compact, Hard, Smooth
Temper	Grog, medium and abundant + shell (leached, voids), medium, abundant
Core Color (Munsell)	
Exterior Color (Munsell)	VERY DARK GRAY (7.5YR3/1), PINK (7.5YR8/4), REDDISH YELLOW (5YR6/6)
Interior Color (Munsell)	PINKISH GRAY (5YR6/2)
Vessel Overall Height (cm)	7.5
Vessel Overall Weight (g)	382
Vessel Maximum Diameter (cm)	15.2
Volume (liters)	0.8
Usewear/Sooting/Condition	Erosion (post-depositional); fireclouding; significant amount of soil inside pot; vessel is complete; 1219 inked on base
Shape/Description	Bowl, simple
Lip Treatment/Shape/Angle/Thickness	eroded, rounded, none, 0.4
Orifice Exterior Diameter (cm)	15.2
Rim/Neck Height (cm)	4.6
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	convex, inslanted
Rim/Neck Surface/Decorative Treatment	eroded, engraved, 2 horizontal lines 4-6mm apart (a third is top of body decoration)
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	Convex
Body Maximum Diameter (cm)	15.2
Body Height (cm)	3.2
Body Surface/Decorative Treatment	Eroded; Engraved, similar to Elmira 12 but wavy not pointed lines on bottom of design; crosshatched area, undulating line
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	eroded/plain
Appendages/Handles	
Notes	Huddleston Grave 9, 1/21/1939; Phillips photo 3853 (Huddleston 126); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-10 / 1225 / 3CL23
Vessel Form	seed jar
ARAS/HSU Digital Photo	K8376
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth, Mica in paste
Temper	grog, medium & abundant + shell, medium & abundand, leached
Core Color (Munsell)	REDDISH YELLOW (5YR6/8)
Exterior Color (Munsell)	DK YELLOW BRN (10YR4/4), DARK BROWN (7.5YR3/4), BROWN (7.5YR4/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	19.7
Vessel Overall Weight (g)	956
Vessel Maximum Diameter (cm)	15.4
Volume (liters)	2.1
Usewear/Sooting/Condition	Very eroded; fireclouding; partial vessel, reconstructed with glue, sherd missing from body, 2 probe holes in body; 1225 inked near base
Shape/Description	Seed Jar
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, none
Orifice Exterior Diameter (cm)	3.3
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, Inslanted
Rim/Neck Surface/Decorative Treatment	Smoothed (eroded); Plain
Rim/Neck/Body Thickness (cm)	
Body Shape	Ovoid
Body Maximum Diameter (cm)	15.4
Body Height (cm)	19.7
Body Surface/Decorative Treatment	Smoothed (eroded); Plain
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	8.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 7, 1/14/1938[1939]; Phillips photo 3935 (Huddleston 114), Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-11 / 1203 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K8422
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 1 :: plain
Paste	Compact, Hard, Smooth, Mica in paste
Temper	grog, fine, abundant + leached shell, fine, sparse
Core Color (Munsell)	GRAY (7.5YR5/1)
Exterior Color (Munsell)	BLACK (7.5YR2.5/1), BROWN (7.5YR5/2-5/4)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), BROWN (7.5YR5/4)
Vessel Overall Height (cm)	9.8
Vessel Overall Weight (g)	797
Vessel Maximum Diameter (cm)	22.2
Volume (liters)	2.1
Usewear/Sooting/Condition	Some wear around lip and roughening on exterior base (use?); fireclouding; poss. probe hole at lip; 1203 inked on base, remnant of paper tag inside
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	Burnished, rounded/thinned, sl. everted, 0.3
Orifice Exterior Diameter (cm)	21.1
Rim/Neck Height (cm)	5.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, inslanted
Rim/Neck Surface/Decorative Treatment	Burnished, engraved, 3 tier decoration of scrolls with squared ends and ticked line rectangles within, crosshatched in between, repeats 4x
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	Convex
Body Maximum Diameter (cm)	22.2
Body Height (cm)	4.8
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Grave 2, 12/22/1938[1937?]; Phillips photo 3956 (Huddleston 37); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-12 / 1221 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	K8430
Type	Military Road Incised
Decoration	incised & punctated
Rim :: Body	Bethel 27 :: Bard 1
Paste	Crumbly, Soft, Smooth
Temper	leached shell, coarse and abundant
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	BROWN (10YR4/3), VERY DARK BROWN (10YR2/2), PALE BROWN (10YR6/3)
Interior Color (Munsell)	LIGHT BROWNISH GRAY (10YR6/2), BLACK (10YR2/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	15.8
Vessel Overall Weight (g)	432
Vessel Maximum Diameter (cm)	17.7
Volume (liters)	
Usewear/Sooting/Condition	Eroded; trace sooting on interior rim; missing most of base and a few body and rim sherds; 1221 inked on interior
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	smoothed, flattened/beveled out, sl. everted, 0.3
Orifice Exterior Diameter (cm)	17.7
Rim/Neck Height (cm)	6.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed; incised & punctated; meandering horizontal trailed lines between two rows of vertical punctations
Rim/Neck/Body Thickness (cm)	0.6 - 0.5
Body Shape	Low Waist
Body Maximum Diameter (cm)	16.0
Body Height (cm)	9.8
Body Surface/Decorative Treatment	Smoothed; incised & punctated; horizontal and meandering trailing alternating with meandering lines of vertical punctations
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	8.8
Base Surface/Decorative Treatment	Eroded/Plain, mostly missing
Appendages/Handles	
Notes	Huddleston, Rorie Mound; Phillips photo 3898 (Huddleston 219)

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-13 / 1224 / 3CL23
Vessel Form	beaker
ARAS/HSU Digital Photo	K8457
Type	Hempstead Engraved
Decoration	engraved
Rim :: Body	Erie 13 :: Eccles 1
Paste	Compact, Hard, Smooth
Temper	shell mostly leached, medium/abundant + grog, fine, sparse
Core Color (Munsell)	
Exterior Color (Munsell)	V DK GRAY BRN (10YR3/2), BLACK (10YR2/1), LT BROWNISH GRAY (10YR6/2)
Interior Color (Munsell)	BLACK (10YR2/1), LIGHT BROWNISH GRAY (10YR6/2), GRAYISH BROWN (10YR5/2)
Vessel Overall Height (cm)	11.9
Vessel Overall Weight (g)	343
Vessel Maximum Diameter (cm)	11.8
Volume (liters)	0.8
Usewear/Sooting/Condition	Partial vessel, reconstructed in past with gray plaster in past (bag of gray clay inside vessel may be Hodges plaster), several sherds missing from rim/body; 1224 inked on base
Shape/Description	Beaker or carinated bowl with rolled lip
Lip Treatment/Shape/Angle/Thickness	burnished, rounded, none, 0.4
Orifice Exterior Diameter (cm)	11.8
Rim/Neck Height (cm)	4.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, vertical
Rim/Neck Surface/Decorative Treatment	Burnished, engraved, 6 horizontal lines, fine engraving 5-8 mm apart
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Low Waist
Body Maximum Diameter (cm)	11.2
Body Height (cm)	7.5
Body Surface/Decorative Treatment	Burnished; Engraved, 13 crosshatched pendant triangles from engraved horizontal line at top of body
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	2 lugs set at rim/lip, plain, each is perforated vertically
Notes	Huddleston, Rorie Mound; Phillips photo 3859 ("deep bowl, perforated lugs"; Huddleston 214)

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-14 / 1228 / 3CL23
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	K5301
Type	Military Road Incised variant?
Decoration	incised & punctated
Rim :: Body	Beloit 6 :: Abraham 6
Paste	Compact, Hard, Smooth
Temper	Grog, abundant and coarse
Core Color (Munsell)	
Exterior Color (Munsell)	REDDISH BROWN (5YR5/4), REDDISH GRAY (5YR4/2)
Interior Color (Munsell)	DARK GRAY (5YR4/1)
Vessel Overall Height (cm)	11.5
Vessel Overall Weight (g)	457
Vessel Maximum Diameter (cm)	12.0
Volume (liters)	0.6
Usewear/Sooting/Condition	Sooting at neck on exterior and inside rim/neck; partial vessel reconstructed in past, missing/unattached pcs in bag
Shape/Description	Jar, Short Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, 0.5
Orifice Exterior Diameter (cm)	12.0
Rim/Neck Height (cm)	3.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised & Punctations, rows of vertical tool punctates alternate with 2 horizontal lines
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Subglobular
Body Maximum Diameter (cm)	11.0
Body Height (cm)	8.5
Body Surface/Decorative Treatment	Smoothed; Incised, wet paste, vertical incised lines from below rim to 1.5 cm above base of vessel; similar body treatment to Pease B-I from East site
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	6.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 9, 1/21/1939; Phillips photo 3872 (Huddleston 128); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-15 / 1227 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N3037
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 20? 40? :: plain
Paste	Compact, Hard, Smooth
Temper	Shell (leached), medium & adundant + grog, medium & sparse
Core Color (Munsell)	DARK GRAY (10YR4/1)
Exterior Color (Munsell)	GRAY (7.5YR6/1, 10YR5/1), LIGHT REDDISH BROWN (5YR6/4)
Interior Color (Munsell)	GRAY (10YR5/1), WHITE (10YR8/1), DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	9.0
Vessel Overall Weight (g)	579
Vessel Maximum Diameter (cm)	22.5
Volume (liters)	1.9
Usewear/Sooting/Condition	Fireclouding; partial vessel, reconstructed in past, missing several pcs from body, lip chipping; 1227 inked on base, paper tag inside
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	Burnished, beveled, 0.4
Orifice Exterior Diameter (cm)	22.5
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, inslanted
Rim/Neck Surface/Decorative Treatment	Bunished, Engraved, 2 panels, engraved scrolls with hatching, cross hatching between
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	Convex
Body Maximum Diameter (cm)	22.5
Body Height (cm)	5.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	UndistinguishedConvex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 7, 1/14/1938[1939]; Phillips photo 3958 (Huddleston 115), Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-16 / 1223 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N3065
Type	Military Road Incised
Decoration	incised & punctated
Rim :: Body	Bethel 1 :: Bard 14
Paste	Compact, Hard, Smooth
Temper	Grog, medium & abundant
Core Color (Munsell)	LIGHT GRAY (10YR7/1)
Exterior Color (Munsell)	BROWN (7.5YR5/4), LIGHT GRAY (10YR7/2), BLACK (7.5YR2.5/1)
Interior Color (Munsell)	BROWN (7.5YR5/4), LIGHT GRAY (10YR7/1-7/2)
Vessel Overall Height (cm)	20.9
Vessel Overall Weight (g)	1473
Vessel Maximum Diameter (cm)	20.9
Volume (liters)	
Usewear/Sooting/Condition	Some sooting interior rim/body and exterior rim/body; vessel reconstructed in past, reglued, sev. sherds missing from base; 1223 inked inside rim
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	smoothed, beveled out, sl. everted, 0.4
Orifice Exterior Diameter (cm)	20.9
Rim/Neck Height (cm)	7.1
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised & Punctated, double row vertical punctations and meandering incising
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	Subglobular
Body Maximum Diameter (cm)	19.8
Body Height (cm)	13.8
Body Surface/Decorative Treatment	Smoothed; Incised & Punctated; double row of vertical punctations, meandering, and horizontal meandering incising
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	9.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 8, 1/14/1938[1939]; Phillips photo 3987 (Huddleston 120); early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-17 / 1389 / 3CL23
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	N3134
Type	
Decoration	engraved/excised
Rim :: Body	Cornell 9, Elgin 1 :: plain
Paste	Compact, Hard, Smooth
Temper	Grog, fine & sparse
Core Color (Munsell)	
Exterior Color (Munsell)	STRONG BROWN (7.5YR5/6), VERY DARK GRAY (2.5Y3/1)
Interior Color (Munsell)	BROWN (10YR5/3), DARK GRAY (2.5Y4/1)
Vessel Overall Height (cm)	7.8
Vessel Overall Weight (g)	548
Vessel Maximum Diameter (cm)	22.7
Volume (liters)	1.2
Usewear/Sooting/Condition	Roughening on base; fireclouding on int and ext; vessel reconstructed in past, several sm pcs from body and base; 1389 inked on side, remnants of paper sticker on interiror
Shape/Description	Bowl, simple
Lip Treatment/Shape/Angle/Thickness	everted, 0.6; cogged edge, engraved and excised triangles on top of lip
Orifice Exterior Diameter (cm)	22.7
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	continuous with body
Rim/Neck Surface/Decorative Treatment	Smoothed, plain (cogged rim, decoration limited to top of flange)
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	convex
Body Maximum Diameter (cm)	22.7
Body Height (cm)	7.8
Body Surface/Decorative Treatment	Smoothed; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 9, 1/21/1939; Phillips photo 3954 (Huddleston 129); early Mid-Ouachita

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-18 / 2101 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N2502
Type	Military Road Incised
Decoration	incised & punctated
Rim :: Body	Bethel 1 :: Bard 14
Paste	Compact, Hard, Smooth
Temper	grog, medium & abundant, occasional voids
Core Color (Munsell)	
Exterior Color (Munsell)	VERY PALE BROWN (10YR8/2), REDDISH YELLOW (5YR6/6), PINK (5YR7/4)
Interior Color (Munsell)	VERY PALE BROWN (10YR7/3), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	22.0
Vessel Overall Weight (g)	1807
Vessel Maximum Diameter (cm)	20.3
Volume (liters)	
Usewear/Sooting/Condition	Base is roughened; soot on exterior, fireclouding; vessel reconstructed in past, missing 2-3 sm sherds; 2101 inked at base
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, flat, none, 0.4
Orifice Exterior Diameter (cm)	19.8
Rim/Neck Height (cm)	6.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, trailed/incised, meandering horizontal lines between rows of vertical slash punctations, tool?
Rim/Neck/Body Thickness (cm)	0.4 - 1.0
Body Shape	Low Waist
Body Maximum Diameter (cm)	20.3
Body Height (cm)	16.0
Body Surface/Decorative Treatment	Smoothed; Incised/Trailed, horizontal lines alternate with meandering rows of vertical punctations and meandering lines
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	9.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 13, 1/1/1940; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-19 / 1208 / 3CL23
Vessel Form	seed jar
ARAS/HSU Digital Photo	N2793
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth
Temper	Shell (leached), medium & abundant + grog, medium & sparse
Core Color (Munsell)	
Exterior Color (Munsell)	LIGHT REDDISH BROWN (7.5YR6/4), DARK GRAY (7.5YR4/1), WHITE (2.5Y8/1)
Interior Color (Munsell)	
Vessel Overall Height (cm)	19.5
Vessel Overall Weight (g)	872
Vessel Maximum Diameter (cm)	14.5
Volume (liters)	1.8
Usewear/Sooting/Condition	Fireclouding; vessel intact except for cracks in body; 1208 inked on lower body
Shape/Description	Seed Jar
Lip Treatment/Shape/Angle/Thickness	smoothed, rounded, none, 0.6
Orifice Exterior Diameter (cm)	3.4
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	continuous with body
Rim/Neck Surface/Decorative Treatment	Smoothed, plain
Rim/Neck/Body Thickness (cm)	
Body Shape	barrel
Body Maximum Diameter (cm)	14.5
Body Height (cm)	17.5
Body Surface/Decorative Treatment	Smoothed; Plain
Base Shape/Curvature	circular/slightly convex
Base Diameter/Height (cm)	12.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 11, 2/11/1939; Phillips photo 3934 (Huddleston 151 [prob. 150]); Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-20 / 2099 / 3CL23
Vessel Form	seed jar, fragment
ARAS/HSU Digital Photo	N2767
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Soft, Gritty
Temper	Grog, medium & abundant
Core Color (Munsell)	REDDISH YELLOW (5YR6/6), WHITE (7.5YR8/1), GRAY (7.5YR5/1)
Exterior Color (Munsell)	REDDISH YELLOW (7.5YR6/6), GRAY (7.5YR6/1), VERY DARK GRAY (10YR3/1)
Interior Color (Munsell)	YELLOW (10YR7/6), GRAY (7.5YR5/1)
Vessel Overall Height (cm)	13.5
Vessel Overall Weight (g)	453
Vessel Maximum Diameter (cm)	14.5
Volume (liters)	
Usewear/Sooting/Condition	Fireclouding; partial vessel, missing upper half; 2099 inked on side
Shape/Description	Probable seed jar
Lip Treatment/Shape/Angle/Thickness	
Orifice Exterior Diameter (cm)	
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	missing
Rim/Neck Surface/Decorative Treatment	
Rim/Neck/Body Thickness (cm)	0.6
Body Shape	Ovoid
Body Maximum Diameter (cm)	14.5
Body Height (cm)	13.5 Partial
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	8.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 13, 1/1/1940; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-21 / 1233 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N3264
Type	Military Road Incised variant?
Decoration	incised/punctated/applique
Rim :: Body	Bethel 1 :: Bard 10, 40 (sim.)
Paste	Compact, Soft, Smooth, Mica in paste
Temper	leached shell, medium, medium
Core Color (Munsell)	DARK BROWN (7.5YR3/2)
Exterior Color (Munsell)	DK BRN (7.5YR3/2), LT BRN (7.5YR6/4), STRONG BROWN (7.5YR5/6)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), VERY DARK GRAY (7.5YR3/1)
Vessel Overall Height (cm)	16.0
Vessel Overall Weight (g)	401
Vessel Maximum Diameter (cm)	16.0
Volume (liters)	
Usewear/Sooting/Condition	Sooting on rim interior and exterior, some fireclouding; partial vessel, reconstructed in past, 1/2 of rim and some body sherds missing; 1233 inked on lower body
Shape/Description	Jar
Lip Treatment/Shape/Angle/Thickness	Smoothed, flat, sl. everted, 0.4
Orifice Exterior Diameter (cm)	16.0
Rim/Neck Height (cm)	7.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised/punctations, 2-3 rows of sharp vertical punctations over 4 meandering incised lines over 1 row long vertical punctations
Rim/Neck/Body Thickness (cm)	0.4 - 0.6
Body Shape	Subglobular
Body Maximum Diameter (cm)	14.5
Body Height (cm)	9.0
Body Surface/Decorative Treatment	Smoothed; Incised & Punctated, 6 rows irregular incising, dipping below appique strips, 3 rows of shert vertical punctations below; plain lower 3.5 cm of body; Military Road dec. with vertical appliques sim. to Pease B-I or Haley C-I
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	2 (originally 4) short applique ridges with notching on shoulders
Notes	Huddleston, Rorie Mound; Phillips photo 3899 (Huddleston 212)

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-22 / 1220 / 3CL23
Vessel Form	bowl, simple
ARAS/HSU Digital Photo	N3437
Type	Friendship Engraved *var. Meador*
Decoration	engraved
Rim :: Body	Elwyn 15 (sim.) :: plain
Paste	Compact, Hard, Smooth
Temper	Grog, coarse & abundant
Core Color (Munsell)	DARK GRAY (7.5YR4/1)
Exterior Color (Munsell)	PINK (7.5YR7/4-8/3), BLACK (7.5YR2.5/1)
Interior Color (Munsell)	DARK GRAY (7.5YR4/1), LIGHT BROWN (7.5YR6/3), BLACK (7.5YR2.5/1)
Vessel Overall Height (cm)	8.0
Vessel Overall Weight (g)	504
Vessel Maximum Diameter (cm)	20.5
Volume (liters)	1.3
Usewear/Sooting/Condition	Partial vessel, reconstructed with plaster in past, missing pcs from rim, body; 1220 inked on base, remnants of paper tag inside bowl
Shape/Description	Bowl, simple
Lip Treatment/Shape/Angle/Thickness	Burnished, rounded, everted, 0.5
Orifice Exterior Diameter (cm)	20.5
Rim/Neck Height (cm)	1.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Burnished, Engraved, geometric pattern, alternating crosshatching and ladders
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Convex
Body Maximum Diameter (cm)	19.8
Body Height (cm)	7.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Slightly convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Grave 4, 3/19/1938; Phillips photo 3955 (Huddleston 40), early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-23 / 1229 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N3584
Type	Military Road Incised
Decoration	incised & punctated
Rim :: Body	Bethel 1 :: Bard 15
Paste	Compact, Hard, Smooth
Temper	Grog, coarse, abundant; a few voids
Core Color (Munsell)	PINKISH GRAY (7.5YR6/2)
Exterior Color (Munsell)	REDDISH YELLOW (7.5YR6/6), BROWN (7.5YR4/2), GRAY (7.5YR5/1)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), LIGHT BROWN (7.5YR6/3)
Vessel Overall Height (cm)	18.8
Vessel Overall Weight (g)	1018
Vessel Maximum Diameter (cm)	18.9
Volume (liters)	
Usewear/Sooting/Condition	Sooting on rim/upper body interior and exterior, fireclouding; partial vessel, reconstructed in past and reglued, missing 1/3 of body; 1229 inked on interior of one sherd
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	smoothed, flat, everted, 0.4
Orifice Exterior Diameter (cm)	18.9
Rim/Neck Height (cm)	5.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Punctated & incised/trailed, 2-3 rows of punctations, 4 meandering trailed horizontal lines, 2-3 rows of punctations
Rim/Neck/Body Thickness (cm)	0.7
Body Shape	Subglobular
Body Maximum Diameter (cm)	18.4
Body Height (cm)	13.1
Body Surface/Decorative Treatment	Smoothed; Punctated & Incised/Trailed, horizontal trailed lines, 2 rows of punctates meandering, horizontal lines, 2 rows punctations at base
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	10.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 4, 3/19/1938; Phillips photo 3938 (Huddleston 41), early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-24 / 2100 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N3713
Type	Sinner Linear Punctated
Decoration	punctations
Rim :: Body	Cambridge 6 (type) :: Carver 30 (type)
Paste	Compact, Hard, Smooth
Temper	Grog, abundant & medium
Core Color (Munsell)	
Exterior Color (Munsell)	VERY DARK GRAY (5YR3/1), LIGHT REDDISH BROWN (5YR6/4)
Interior Color (Munsell)	VERY DARK GRAY (5YR3/1)
Vessel Overall Height (cm)	14.2
Vessel Overall Weight (g)	481
Vessel Maximum Diameter (cm)	13.0
Volume (liters)	
Usewear/Sooting/Condition	Sooting on interior rim, fireclouding; partial vessel, reconstructed in past, missing 4 sm sherds; 2100 inked near base
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, rounded, sl. everted, 0.3
Orifice Exterior Diameter (cm)	13.0
Rim/Neck Height (cm)	7.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Linear punctations, 10 horizontal lines, vertical fine lines, scalloped single line, more vertical fine lines all of punctations
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	high waisted
Body Maximum Diameter (cm)	12.2
Body Height (cm)	7.0
Body Surface/Decorative Treatment	Smoothed; Linear punctations, 6 horizontal lines at junction of rim/body, 2 rows of punctated basket weave; design ends 1.5 cm above base
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 13, 1/1/1940; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-25 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N3052
Type	Friendship Engraved *var. Meador*
Decoration	engraved
Rim :: Body	Elwyn 10 :: plain
Paste	Compact, Hard, Smooth
Temper	grog, abundant & medium + shell, leached, sparse & medium
Core Color (Munsell)	
Exterior Color (Munsell)	REDDISH BROWN (2.5YR5/4-5YR5/3), DARK GRAY (5YR4/1)
Interior Color (Munsell)	VERY DARK GRAY (5YR3/1), LIGHT REDDISH BROWN (5YR6/4)
Vessel Overall Height (cm)	9.0 (estimated)
Vessel Overall Weight (g)	400 (partial)
Vessel Maximum Diameter (cm)	23.0 (estimated)
Volume (liters)	
Usewear/Sooting/Condition	Fireclouding; partial vessel/sherd lot, reconstructed in past and reglued
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	burnished, rounded, everted, 0.4
Orifice Exterior Diameter (cm)	23.0 (estimated, 30%)
Rim/Neck Height (cm)	4.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	straight, carinated
Rim/Neck Surface/Decorative Treatment	Burnished, engraved, crosshatching, ovals, ladders
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Convex
Body Maximum Diameter (cm)	
Body Height (cm)	
Body Surface/Decorative Treatment	Burnished; plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	burnished/plain
Appendages/Handles	
Notes	Huddleston Grave 3, 12/22-30/1938[1937?], (paper tag with pen/pencil "6-3-2 grave No 3 with frog 39"); Mid-Ouachita phase

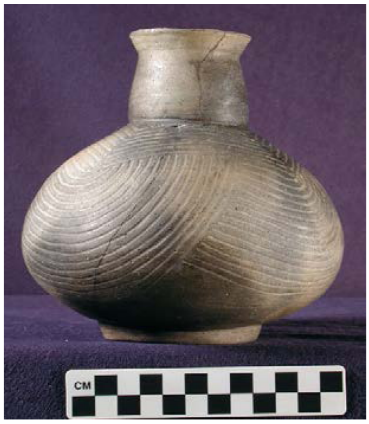
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-26 / 3CL23
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N3794
Type	Military Road Incised
Decoration	incised & punctated
Rim :: Body	Bethel 1 (type) :: Bard 2 (type)
Paste	Compact, Hard, Smooth
Temper	Grog, medium & abundant
Core Color (Munsell)	BLACK (7.5YR2.5/1)
Exterior Color (Munsell)	LIGHT BROWN (7.5YR6/3), DARK GRAY (7.5YR4/1)
Interior Color (Munsell)	BLACK (7.5YR2.5/1), LIGHT BROWN (7.5YR6/3)
Vessel Overall Height (cm)	16.5
Vessel Overall Weight (g)	703
Vessel Maximum Diameter (cm)	15.8
Volume (liters)	
Usewear/Sooting/Condition	Sooting on rim int & ext; partial vessel, cat. as sherd lot, reconstructed, missing sherds from rim and body
Shape/Description	JAR
Lip Treatment/Shape/Angle/Thickness	Smoothed, beveled out, everted, 0.4
Orifice Exterior Diameter (cm)	15.3
Rim/Neck Height (cm)	5.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, Outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised, Punctated; double row vertical punctates, 5 horizontal meandering lines, double row vertical punctates
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Sub-globular
Body Maximum Diameter (cm)	15.8
Body Height (cm)	11.5
Body Surface/Decorative Treatment	Smoothed; Incised & Punctated, meanding horizontal lines alternating with meandering double punctate row
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	7.5
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Grave 8, 1/14/1938[1939]; early Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	8-27 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	N3808
Type	Friendship Engraved *var. Meador*
Decoration	engraved
Rim :: Body	Elwyn 15 :: plain
Paste	Compact, Hard, Smooth, contains abundant mica
Temper	Grog, medium & abundant
Core Color (Munsell)	RED (2.5YR5/6)
Exterior Color (Munsell)	DARK GRAY (10YR4/1), STRONG BROWN (7.5YR5/8), DARK GRAY (7.5YR4/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1), DARK GRAY (10YR4/1)
Vessel Overall Height (cm)	7.2
Vessel Overall Weight (g)	
Vessel Maximum Diameter (cm)	20.4
Volume (liters)	
Usewear/Sooting/Condition	Partial vessel, reconstructed, missing sherds from lip, rim, body, base; no inked #
Shape/Description	Carinated Bowl
Lip Treatment/Shape/Angle/Thickness	Burnished, flat, sl. everted, 0.3
Orifice Exterior Diameter (cm)	20.4
Rim/Neck Height (cm)	4.2
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, Vertical
Rim/Neck Surface/Decorative Treatment	Burnished, engraved, ovals w/ ladders, crosshatching, no ticked line
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Convex
Body Maximum Diameter (cm)	20.4
Body Height (cm)	3.0
Body Surface/Decorative Treatment	Burnished; Plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	No information

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	8-28 / 1205 / 3CL23
Vessel Form	bottle
ARAS/HSU Digital Photo	1351
Type	Keno Trailed *var*. *Red Hill*
Decoration	incised
Rim :: Body	plain :: Belhaven 31
Paste	HARD, COMPACT
Temper	SHELL (LEACHED), FINE & MED. ABUNDANT
Core Color (Munsell)	
Exterior Color (Munsell)	BLACK, LIGHT GRAY, PALE BROWN
Interior Color (Munsell)	PALE BROWN
Vessel Overall Height (cm)	16.4
Vessel Overall Weight (g)	482
Vessel Maximum Diameter (cm)	15.5
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING
Shape/Description	SQUAT GLOBULAR BOTTLE WITH PEDESTALLED BASE, SHORT NECK, FLARED LIP
Lip Treatment/Shape/Angle/Thickness	ROUNDED, THINNED, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	5.9
Rim/Neck Height (cm)	4.7
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	BULBOUS / SPOOL
Rim/Neck Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	LOW-WAISTED
Body Maximum Diameter (cm)	15.5
Body Height (cm)	10.5
Body Surface/Decorative Treatment	SMOOTHED & BURNISHED; INCISED; NESTED INCISING, SQUARE ABOVE, SWIRL BELOW
Base Shape/Curvature	PEDESTAL; CIRCULAR/FLAT
Base Diameter/Height (cm)	7.0 / 1.0
Base Surface/Decorative Treatment	SMOOTHED & BURNISHED, PLAIN
Appendages/Handles	
Notes	Huddleston Grave 6, 12/22/1938; Phillips photo 3917 (Huddleston 103); Social Hill-Deceiper phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	X-86 / 1211 / 3CL23
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K5307
Type	Friendship Engraved *var. Freeman*
Decoration	engraved
Rim :: Body	Elaine 13 (type) :: plain
Paste	Compact, soft, smooth
Temper	Grog, medium & abundant + Shell, leached, fine & sparse
Core Color (Munsell)	
Exterior Color (Munsell)	VERY PALE BROWN (10YR7/4), DARK GRAY (10YR4/1)
Interior Color (Munsell)	VERY DARK GRAY (10YR3/1)
Vessel Overall Height (cm)	10.0
Vessel Overall Weight (g)	979
Vessel Maximum Diameter (cm)	26.0
Volume (liters)	
Usewear/Sooting/Condition	Some roughness on base; fireclouding; partial vessel reassembled in past & reglued; "1211" inked on side
Shape/Description	bowl, carinated
Lip Treatment/Shape/Angle/Thickness	Burnished, beveled, everted
Orifice Exterior Diameter (cm)	26.0
Rim/Neck Height (cm)	5.0
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Straight, vertical
Rim/Neck Surface/Decorative Treatment	Burnished, engraved, 2 tiers of scrolls and ladders separated by crosshatching
Rim/Neck/Body Thickness (cm)	
Body Shape	Convex
Body Maximum Diameter (cm)	26.0
Body Height (cm)	5.0
Body Surface/Decorative Treatment	Burnished, plain
Base Shape/Curvature	Undistinguished/Convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Burnished, plain
Appendages/Handles	
Notes	Huddleston Grave 7, 1/14/1938[1939]; Phillips photo 3988 (Huddleston 118), Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	22-1 / 2806 / 3HS103
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	K8402
Type	
Decoration	incised
Rim :: Body	Beloit 10 :: Abraham 6
Paste	Compact, hard, gritty, mica in paste
Temper	Shell, leached shell, abundant & coarse
Core Color (Munsell)	
Exterior Color (Munsell)	PINKISH GRAY (7.5YR6/2-7/2), GRAY (7.5YR5/1)
Interior Color (Munsell)	GRAY (7.5YR5/1)
Vessel Overall Height (cm)	13.1
Vessel Overall Weight (g)	300
Vessel Maximum Diameter (cm)	13.8
Volume (liters)	1.1
Usewear/Sooting/Condition	Overall erosion (post-depositional); remnant of sooting on interior neck; vessel mended in past; "2806" inked on int rim
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	smoothed, rounded, sl. everted, 0.4
Orifice Exterior Diameter (cm)	13.1
Rim/Neck Height (cm)	3.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, incised, 2 rows of vertical lines 4mm apart, horizontal line at rim/body junction
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Sub globular
Body Maximum Diameter (cm)	12.0
Body Height (cm)	9.6
Body Surface/Decorative Treatment	Smoothed; Incised, vertical lines to 4cm above base, 3-5 mm apart
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.1
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Burial 1, 5/29/1943; Social Hill phase

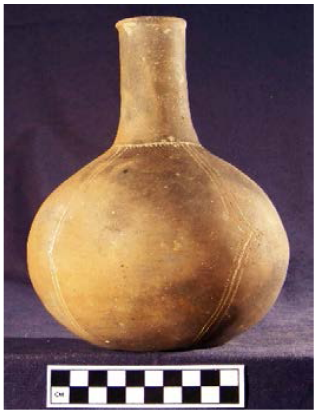
JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	22-2 / 2804 / 3HS103
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	1392
Type	
Decoration	incised
Rim :: Body	Albertus 7 :: Abraham 12
Paste	HARD, FINE, COMPACT
Temper	SHELL (LEACHED), ABUNDANT, MEDIUM
Core Color (Munsell)	DARK GRAY
Exterior Color (Munsell)	PINK, VERY DARK GRAY
Interior Color (Munsell)	PINK, VERY DARK GRAY
Vessel Overall Height (cm)	8.3
Vessel Overall Weight (g)	116
Vessel Maximum Diameter (cm)	8.3
Volume (liters)	
Usewear/Sooting/Condition	FIRECLOUDING; RIM BROKEN AWAY ON ONE SIDE
Shape/Description	SMALL JAR; FLAT BASE; SUBGLOBULAR BODY; FLARED RIM
Lip Treatment/Shape/Angle/Thickness	CONCAVE, EVERTED (FLARED)
Orifice Exterior Diameter (cm)	8.3
Rim/Neck Height (cm)	2.8
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	CONCAVE, OUTSLANTED
Rim/Neck Surface/Decorative Treatment	SMOOTHED; INCISED, DIAGONAL INCISED LINES, SPACED
Rim/Neck/Body Thickness (cm)	0.5 - 0.6
Body Shape	SUBGLOBULAR
Body Maximum Diameter (cm)	7.5
Body Height (cm)	5.5
Body Surface/Decorative Treatment	SMOOTHED; VERTICAL INCISING, SPACED, ON UPPER 2/3 OF BODY
Base Shape/Curvature	CIRCULAR/FLAT
Base Diameter/Height (cm)	3.1
Base Surface/Decorative Treatment	
Appendages/Handles	
Notes	Huddleston Burial 1, 5/29/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	22-3 / 2808 / 3HS103
Vessel Form	bowl, carinated
ARAS/HSU Digital Photo	K5456
Type	Sandford Punctated
Decoration	punctated
Rim :: Body	Concord 1 :: plain
Paste	Compact, smooth
Temper	Shell, leached, abundant & medium
Core Color (Munsell)	
Exterior Color (Munsell)	DARK REDDISH GRAY (5YR4/2), PINKISH GRAY (5YR6/2)
Interior Color (Munsell)	DARK GRAY (5YR4/1)
Vessel Overall Height (cm)	8.5
Vessel Overall Weight (g)	324
Vessel Maximum Diameter (cm)	21.0
Volume (liters)	1.6
Usewear/Sooting/Condition	Partial vessel, reconstructed in past, possible probe hole near base; fireclouding
Shape/Description	Bowl, Carinated
Lip Treatment/Shape/Angle/Thickness	smoothed, rounded, none, 0.5
Orifice Exterior Diameter (cm)	19.5
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, inslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Punctated, 3 horizontal rows of fingernail punctates forming ridging
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	Convex
Body Maximum Diameter (cm)	21.0
Body Height (cm)	6.0
Body Surface/Decorative Treatment	Smoothed; plain
Base Shape/Curvature	undistinguished/convex
Base Diameter/Height (cm)	
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Burial 1, 5/29/1943; Social Hill phase

JEC Hodges Collection, 77-1



Artifact No. / Old Cat. No. / Site No.	22-4 / 2805 / 3HS103
Vessel Form	bottle
ARAS/HSU Digital Photo	K5748
Type	Blakely Engraved *var. Witherspoon*
Decoration	engraved
Rim :: Body	Elgin 1 :: Emil 3
Paste	Compact, Hard, Smooth, mica
Temper	Shell, leached, fine & sparse - may have sparse fine grog also
Core Color (Munsell)	LIGHT RED (2.5YR6/8)
Exterior Color (Munsell)	GRAY (7.5YR5/1), LIGHT REDDISH BROWN (5YR6/4)
Interior Color (Munsell)	
Vessel Overall Height (cm)	20.8
Vessel Overall Weight (g)	635
Vessel Maximum Diameter (cm)	14.8
Volume (liters)	1.0
Usewear/Sooting/Condition	Wear on base?; fireclouding; intact vessel, chip in lip
Shape/Description	Bottle
Lip Treatment/Shape/Angle/Thickness	smoothed, rounded, sl. everted, 0.4
Orifice Exterior Diameter (cm)	4.0
Rim/Neck Height (cm)	8.0
Neck Mid/Base Exterior Diameter (cm)	3.8 / 5.2
Rim/Neck Shape/Angle	Vertical, slight spool
Rim/Neck Surface/Decorative Treatment	Burnished
Rim/Neck/Body Thickness (cm)	0.5
Body Shape	globular
Body Maximum Diameter (cm)	14.8
Body Height (cm)	12.6
Body Surface/Decorative Treatment	Burnished; Engraved; 1 horizontal ticked line at base of neck, alternating two vertical lines and three lines with 1/2 diamond x2; trace red (& white?) pigment in engraving
Base Shape/Curvature	circular/flat
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial 1, 5/29/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	22-5 / 2807 / 3HS103
Vessel Form	jar, tall rim
ARAS/HSU Digital Photo	N11334
Type	Foster Trailed-Incised
Decoration	incised & punctated
Rim :: Body	Chattanooga 1 :: Baker 20
Paste	Crumbly, Soft, Smooth
Temper	Shell, leached, coarse and abundant
Core Color (Munsell)	VERY DARK GRAY (7.5YR3/1)
Exterior Color (Munsell)	GRAY (7.5YR5/1), PINKISH GRAY (7.5YR7/2), VERY DARK GRAY (10YR3/1)
Interior Color (Munsell)	BROWN (7.5YR4/3), DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	20.0
Vessel Overall Weight (g)	778
Vessel Maximum Diameter (cm)	19.5
Volume (liters)	
Usewear/Sooting/Condition	Fireclouding; partial vessel, reconstructed in past, large portions of body missing; 2807 inked on base
Shape/Description	Jar, Tall Rim
Lip Treatment/Shape/Angle/Thickness	smoothed, rounded, sl. everted, 0.3
Orifice Exterior Diameter (cm)	19.5
Rim/Neck Height (cm)	9.4
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Punctated, 8 rows of diagonal punctates, almost vertical
Rim/Neck/Body Thickness (cm)	0.4 - 0.5
Body Shape	Subglobular
Body Maximum Diameter (cm)	17.6
Body Height (cm)	10.6
Body Surface/Decorative Treatment	Smoothed; Incised, concentric incised circles (ends 4cm above base), 3 pt nodes in center of each, x4
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	4.7
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	4 tri-part nodes on body
Notes	Huddleston Burial 1, 5/29/1943; Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	29-1 / 2467 / 3CL26
Vessel Form	seed jar
ARAS/HSU Digital Photo	N15539
Type	
Decoration	plain
Rim :: Body	
Paste	Compact, Hard, Smooth, mica
Temper	Shell, leached + grog, coarse & abundant
Core Color (Munsell)	YELLOWISH RED (5YR4/6) (CORE MODE A)
Exterior Color (Munsell)	RED (2.5YR5/6), REDDISH BROWN (5YR5/4), GRAY (5YR5/1)
Interior Color (Munsell)	
Vessel Overall Height (cm)	24.5
Vessel Overall Weight (g)	1109
Vessel Maximum Diameter (cm)	16.5
Volume (liters)	
Usewear/Sooting/Condition	Fireclouding; partial vessel, reconstructed in past, sherds missing/unattached from body/base; 2467 inked on lower body
Shape/Description	Seed Jar
Lip Treatment/Shape/Angle/Thickness	eroded, flat/beveled in, none, 0.6
Orifice Exterior Diameter (cm)	3.5
Rim/Neck Height (cm)	
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Convex, inslanted (continuous with body)
Rim/Neck Surface/Decorative Treatment	Eroded, plain
Rim/Neck/Body Thickness (cm)	0.7
Body Shape	Barrel
Body Maximum Diameter (cm)	16.5
Body Height (cm)	24.5
Body Surface/Decorative Treatment	Eroded (patches of original burnishing); Plain
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	14.5
Base Surface/Decorative Treatment	eroded
Appendages/Handles	
Notes	Huddleston Burial Y, 2/23/1941; Mid-Ouachita phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	29-2 / 2464 / 3CL26
Vessel Form	bottle
ARAS/HSU Digital Photo	429, N15509
Type	Blakely Engraved *var. Witherspoon*
Decoration	engraved
Rim :: Body	plain :: Emil 6
Paste	Compact, Hard, Smooth
Temper	Shell, leached,fine & abundant + grog, fine
Core Color (Munsell)	VERY DARK GRAY (5YR3/1) (CORE MODE F)
Exterior Color (Munsell)	PINKISH GRAY (7.5YR7/2), VERY DARK GRAY (5YR3/1), PINK (7.5YR7/3)
Interior Color (Munsell)	BROWN (7.5YR5/3)
Vessel Overall Height (cm)	15.0
Vessel Overall Weight (g)	281
Vessel Maximum Diameter (cm)	9.5
Volume (liters)	0.3
Usewear/Sooting/Condition	Eroded surfaces on neck/body; fireclouding; intact vessel, minor chips in lip; 2464 inked on side
Shape/Description	SMALL BOTTLE-LONG STRAIGHT NECK, GLOBULAR BODY, FLAT BASE
Lip Treatment/Shape/Angle/Thickness	Burnished, round, sl. everted, 0.3
Orifice Exterior Diameter (cm)	4.3
Rim/Neck Height (cm)	7.0
Neck Mid/Base Exterior Diameter (cm)	4.3 / 4.6
Rim/Neck Shape/Angle	Vertical
Rim/Neck Surface/Decorative Treatment	Burnished, plain
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Globular
Body Maximum Diameter (cm)	9.3
Body Height (cm)	8.0
Body Surface/Decorative Treatment	Burnished (mostly eroded); Engraved, 3 groups of 3 vertical lines (ends around 1.5 cm above base)
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	5.0
Base Surface/Decorative Treatment	Burnished/Plain
Appendages/Handles	
Notes	Huddleston Burial X, 2/23/1941; Mid-Ouachita - Social Hill phase

JEC Hodges Collection, 77-1

Artifact No. / Old Cat. No. / Site No.	29-3 / 2465 / 3CL26
Vessel Form	jar, short rim
ARAS/HSU Digital Photo	N15456
Type	
Decoration	incised
Rim :: Body	Andes 4 :: Bard 8 or Altus 2
Paste	Crumbly, Soft, Smooth
Temper	Shell, leached, coarse and abundant
Core Color (Munsell)	BLACK (7.5YR2.5/1) (CORE MODE B)
Exterior Color (Munsell)	LIGHT BROWN (7.5YR6/3), PINKISH GRAY (7.5YR7/2), DARK GRAY (7.5YR4/1)
Interior Color (Munsell)	DARK GRAY (7.5YR4/1)
Vessel Overall Height (cm)	10.5
Vessel Overall Weight (g)	213
Vessel Maximum Diameter (cm)	12.8
Volume (liters)	
Usewear/Sooting/Condition	Soot on interior rim and upper body, trace on body exterior, fireclouding; partial vessel, missing 1/2 rim and 1/4 body (some sherds unattached in bag); 2465 inked on bottom
Shape/Description	Jar, Short Rim
Lip Treatment/Shape/Angle/Thickness	Smoothed, round, everted, 0.4
Orifice Exterior Diameter (cm)	12.6
Rim/Neck Height (cm)	2.5
Neck Mid/Base Exterior Diameter (cm)	
Rim/Neck Shape/Angle	Concave, outslanted
Rim/Neck Surface/Decorative Treatment	Smoothed, Incised, 2 rows of diagonal slash marks in opposite directions
Rim/Neck/Body Thickness (cm)	0.4
Body Shape	Globular
Body Maximum Diameter (cm)	12.8
Body Height (cm)	8.0
Body Surface/Decorative Treatment	Smoothed; Incised, 2 rows of digonal slashes in opposite directions, above 9 horizontal lines around mid-body
Base Shape/Curvature	Circular/Flat
Base Diameter/Height (cm)	6.0
Base Surface/Decorative Treatment	Smoothed/Plain
Appendages/Handles	
Notes	Huddleston Burial X, 2/23/1941; Mid-Ouachita - Social Hill phase

A Preliminary Comparison of Two Caddo Mound Sites in Southwest Arkansas

Mary Beth Trubitt
Arkansas Archeological Survey, HSU Research Station

Previous Arkansas Archeological Survey excavations at the Hedges site in the Ouachita River valley and the Hughes site in the Saline River valley uncovered evidence of burned structures adjacent to the mounds. An overview of the artifact analyses indicates that the sites were roughly contemporaneous, with intensive use by ancestral Caddo Indians during the Late Caddo period, between the AD 1400s and 1600s. This presentation summarizes the research findings to emphasize comparisons in timing, activities, and community plans.

Introduction

In a previous study of Caddo architecture (Trubitt 2009), I highlighted several dimensions of variation: circular or straight-sided structures; mound, near-mound, or non-mound location; buildings burned or unburned after use; and if burned, covered with "clean" earth or with midden debris. At that time, I saw similarities in two contemporaneous Caddo mound sites located in adjacent river drainages in southwest Arkansas that would benefit from further comparison. I and my assistants and lab volunteers have concluded analyses of artifacts from Ann Early's excavations at Hedges (3HS60), a site in the Ouachita River valley, and from my excavations at Hughes (3SA11), located in the Saline River valley (Figure 1). At both sites, excavators uncovered stratified deposits next to the main mounds that included burned buildings covered with midden deposits with ceramic sherds, chipped stone tools and debris, animal bone, and charred plant remains. While the full monograph is not yet complete, this paper summarizes highlights of the artifact analyses to show similarities in dating and activity patterns at these two Late Caddo period communities.

Excavations at Hedges and Hughes

In 1973 and 1974, Ann Early led a brief Arkansas Archeological Survey test excavation project at the Hedges site in Hot Spring County (Early 1974). Fieldwork included mapping two low mounds (Mound A, an elongated oval platform measuring 42 x 25 x 2 m, and Mound B, a low conical burial mound eroded by the river). Conversations with local collectors indicated

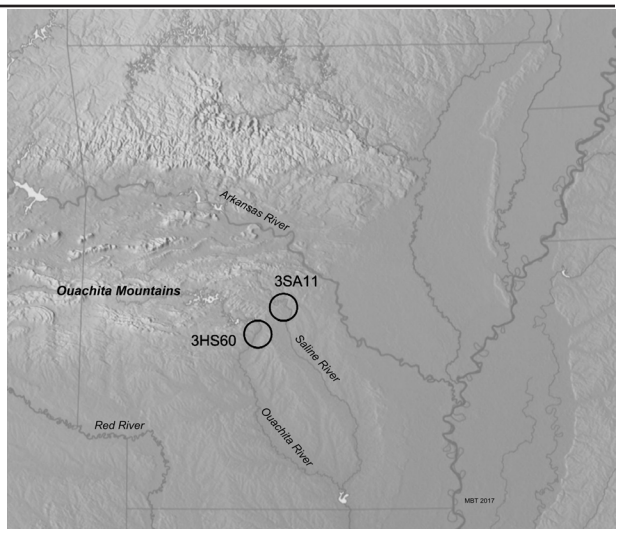


Figure 1. Location of 3HS60 (Hedges) in Arkansas's Ouachita River valley and 3SA11 (Hughes) in the Saline River valley (base map from Tom Patterson, Physical Map of the Coterminous United States).

at least three cemetery areas as well (Figure 2). Auger testing showed deep midden deposits south and west of Mound A.

Subsequent excavations south and west of Mound A included Test Pit 1 (a 2 x 2 m unit), a Block Excavation (of six 2 x 2 m units), and a Trench (1 x 6 m). While no complete structures were exposed, archaeologists uncovered stratified deposits with burned cane and thatch, ash, daub, and post molds in all three excavation areas (Figure 3). The 90 cm of stratified deposits in Test Pit 1 included Feature 1 with patches of burned cane, thatch, bark, and wood, and scorched sand, ash, and daub. Residues of a second burned structure were found below that (as stratum 20, burned daub and floor deposit with post molds that cut into the underlying stratum 21). In the Block Excavation, a

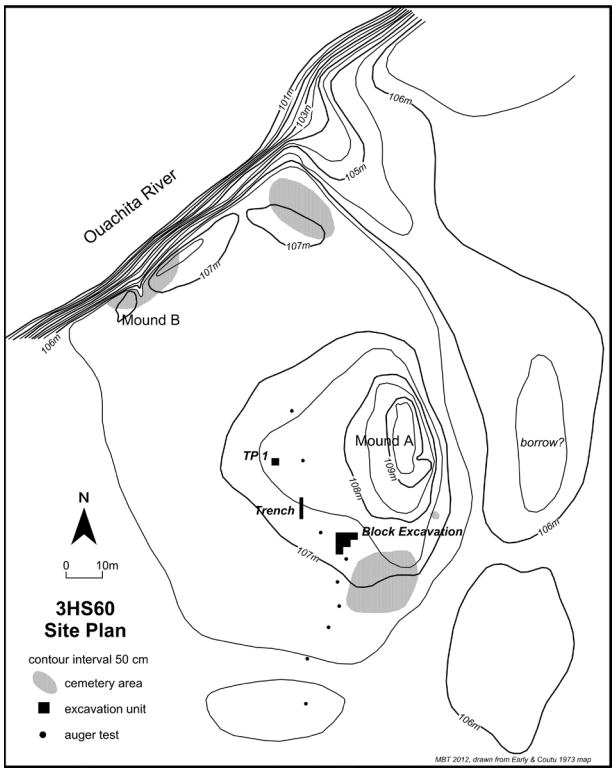


Figure 2. Hedges site plan (after Early and Coutu 1973 field drawing).

Figure 3. East wall profile, Hedges Block Excavation TU3, December 1973 (Arkansas Archeological Survey photograph).

midden deposit was uncovered below the plow zone. Below the midden was Feature 4, a daub and charcoal concentration with post molds, interpreted as a burned structure. Another lower burned structure (Feature 6) was identified in one unit as a red clay lens (stratum 8) with associated post molds that cut into the underlying subsoil. Midden deposits and burned soil were also uncovered in the Trench, interpreted as the remains of a burned structure (Feature 5) with one or two burned floors and an ash lens. A lower burned floor was exposed but not excavated at about 60 cm below surface. The elevated area next to the west side of Mound A (shown by the 107 and 107.5 m contours) represents an artificial buildup of deposits as burned structures were covered by midden deposits.

Based on the artifacts, ancestral Caddo Indians used the site during the Mid-Ouachita and Social Hill phases of the Late Caddo period, ca. A.D. 1400-1650. Ann Early (1993:116; 2002) later used Hedges material in her definition of the Social Hill phase. Absolute dates from the site are few. Dan Wolfman (1982, 1990) published results of archaeomagnetic samples from 15 sites in southwest Arkansas as part of his research to develop a regional "polar curve" and extend the utility of archaeomagnetic dating in archaeology. He calculated the resulting date from a burned structure floor (Feature 5) at Hedges at A.D. 1450-1535. More recently, we directly dated charred maize kernels from the Block Excavation midden deposit (above Feature 4) using the accelerator mass spectrometry technique to cal A.D. 1650-1660 (Trubitt 2012a).

The Hughes site in Saline County is near the eastern edge of the Caddo archaeological area. Archaeologists – and artifact collectors – have known about the site for over a hundred years. It was visited by Edward Palmer in 1883 as part of the Smithsonian Institution's Mound Survey (Jeter 1990:293-296; Thomas 1894:246-247). Palmer's description of daub and charcoal/ash deposits indicate there must have been at least one burned structure in the site's large two-stage mound. Other lower mounds had apparently been leveled even before Palmer's visit; the property was part of a nineteenth-century farm. Hughes was placed on the National Register of Historic Places in 1985. While on private land and protected by the property owner, unauthorized digging into the mound has been a concern.

I conducted excavations at Hughes as part of the 2002 Henderson State University/University of Arkansas archaeological field school. Students mapped the site with an electronic total station, showing the large two-stage mound as a 35 x 55 x 5.5 m construction (Figure 4). Because of the tree cover at the site, we used systematic shovel testing to identify

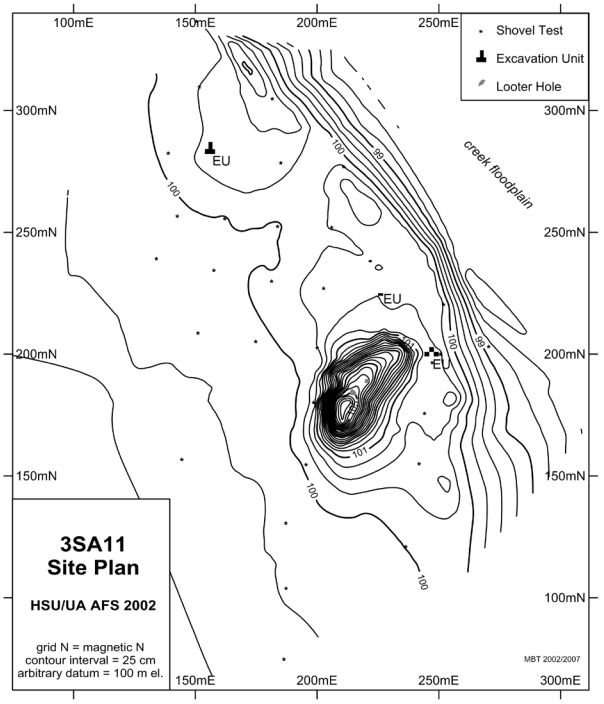


Figure 4. Hughes site plan.

spatial patterning within the site. Shovel testing across about 3.8 hectares showed artifact concentrations and uncovered features in two areas. We investigated these further with excavation units. In a 4 x 5 m excavation block on the north edge of the site, students uncovered a large burned clay hearth (Feature 1; Figure 5). This was likely part of a structure not fully exposed by our fieldwork. A 1 x 2 m excavation unit north of the mound sampled a dense area of midden. Northeast and near the mound, excavators uncovered stratified deposits in three 2 x 2 m units, with burned timbers, burned earth and daub, and quantities of ceramic sherds, chipped stone debris, and animal bone. Although no post patterns were seen, the burned clay, daub, charcoal and burned timbers (Feature 2/3/4, Feature 7, and Feature 8/16) were interpreted as a series of burned structures (Trubitt 2009, 2012b). Three charred wood samples were dated using the conventional radiocarbon technique. The lowest structure (Feature 8/16) dated to cal A.D. 1270-1390 while the overlying one (Feature 7) dated to cal A.D. 1450-1620 (Trubitt 2012b). As at Hedges, the elevated area northeast of the mound (100.5 m contour) represents an artificial buildup of midden deposits covering burned structures.

Figure 5. Sectioning Feature 1, EU N282E154-156, Hughes site, July 2002 (Arkansas Archeological Survey photograph).

Artifact Analyses

Our analyses of artifacts from Hedges and Hughes (Table 1) have had two goals: first, to place the use of these communities in a temporal and cultural framework; and second, to gain a better understanding of activity patterns in these near-mound areas.

Chipped stone included tools and chipping debris. I examined arrow points to identify types that have served as "time markers" elsewhere. There were points and point fragments made from novaculite and chert at both sites (Figure 6). Bassett were the most common arrow point style at Hedges. These are basal-notched triangular points with prominent barbs and small rounded or pointed stems. The predominant arrow point form at Hughes was the Maud type, a triangular point with a concave base, in both the un-notched *var. Maud* and the side-notched *var. Hopper.* Both types occur on Late Caddo sites in east Texas, northwest Louisiana, and southwest Arkansas (e.g., Kay 1984:184-187; Kelley 1997:65-66; McKinnon 2017:91-102; Perttula 2017:206-207; Webb 1959:162-163). In the Ouachita River valley, Bassett points have been found with late Mid-Ouachita phase ceramic types, estimated to date to the late fifteenth century, and Maud points have been found with Buckville and Social Hill phase ceramics, estimated to date to the fifteenth to early seventeenth century (Early 1988:107-109; 1993:122-123; 2002; Trubitt 2012b). In addition, there were several antler projectile points from the sites (Figure 7). Antler tine points are not commonly preserved on Caddo sites, but they have been found in Belcher and

	Hedges (3HS60)		Hughes (3SA11)	
	Ct #	Wt g	Ct #	Wt g
Ceramics	7611	40100.7	13703	23669.0
Chipped Stone	3767	10602.0	3396	3301.4
Ground Stone	24	5117.2	44	5186.8
Faunal	3454	7677.7	5660	6795.2
Floral/C14	227	9137.4	3689	4559.0
Daub/Burned Clay	513	4501.0	8628	9992.8
Historic/Modern	199	440.4	2592	8528.3
Rocks/Minerals	950	19336.6	88	1113.2
Totals:	16745	96913.0	37800	63145.7

Note: Totals include 1973 and 1974 testing at Hedges, and 2002 shovel testing, pothole cleanup, and test excavation at Hughes. The rocks/minerals category from Hughes represents the curated sample.

Table 1. Artifact Totals.

Chakanina phase contexts in the Red River valley (e.g., Kay 1984:191-192; Kelley 1997:87-89; McKinnon 2017:46; Webb 1959:167-169).

There was well-preserved animal bone found at both sites. None of the faunal material from Hedges has been formally analyzed, but Lucretia Kelly analyzed a faunal sample from Hughes in 2011. She found that mammals made up the largest category, with deer and squirrels most common. Residents used turtles and mussels but there were relatively few bones from birds and fish. There was a predominance of terrestrial animals as compared with aquatic ones. In addition to the bone or antler points, there are several other worked bone tools in the form of antler tine knapping tools and pierced mussel shell hoes from Hedges and Hughes.

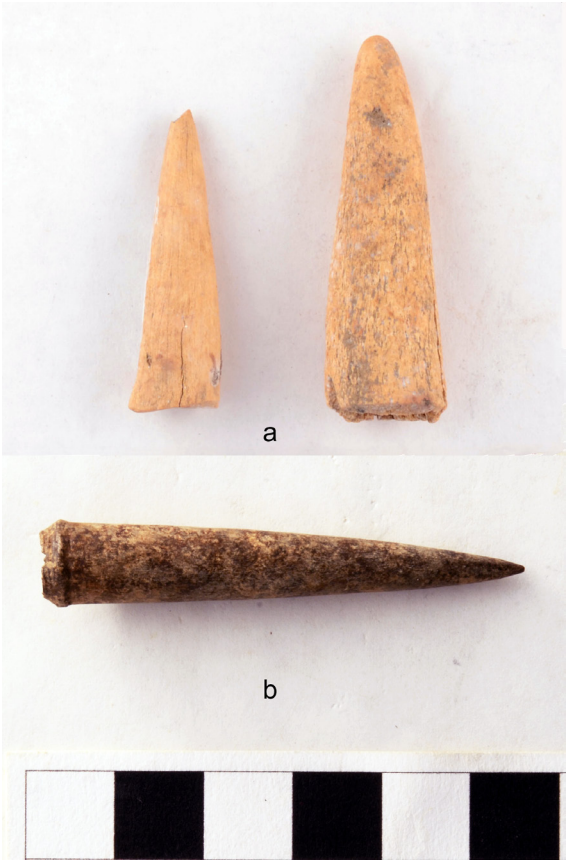


Figure 7. Bone points: (a) Hedges; (b) Hughes (Arkansas Archeological Survey photographs).

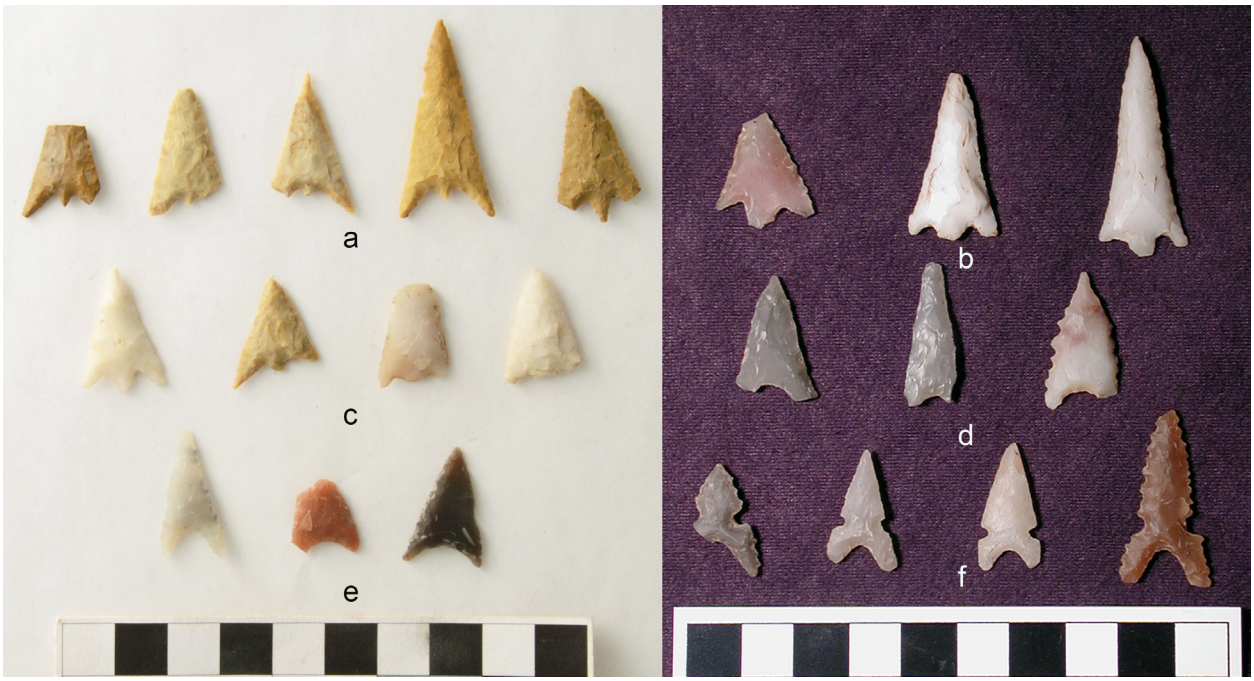


Figure 6. Sample of arrow points from Hedges (left) and Hughes (right): (a-c) Bassett; (d-e) Maud *var. Maud*; (f) Maud *var. Hopper* (Arkansas Archeological Survey photographs).

	3HS60				3SA11			
	Ct.	Wt. (g)	Ct. %	Wt. %	Ct.	Wt. (g)	Ct. %	Wt. %
Shell	4768	19528.5	63	56	3710	14570.4	87	88
Grog	2310	12126.3	30	34	408	1557.2	10	9
Other/Mixed	533	3515.4	7	10	126	505.9	3	3
Total	7611	35170.2	100	100	4244	16633.5	100	100

Note: totals include analyzed sherds (>1/2"), plain and decorated, from all contexts. Shell+grog was identified as a separate category (and included here in Other/Mixed) for Hedges decorated body sherds and rims only.

Table 2. Sherd Temper Comparisons.

Several ornaments were found, including a bone hairpin from Hedges, and three fragments of worked bone (earspool fragments) from Hughes. Other artifacts included a ceramic disk fragment, a drilled black stone bead, and a drilled and polished triangular ornament of black stone from Hedges. We can interpret that crafting took place here, based not only by the ornaments but by the presence of several small chipped stone drill bits at both sites (see also Kelley 1997:68-69).

Ceramic sherds formed the largest category of artifacts recovered during excavations at both sites. Two whole vessels (a jar and a seed jar) have been reconstructed from sherds found in the floor debris from the Feature 1 structure at Hedges (Figure 8). Most of the pottery from both sites took the form of sherds. Temper categories included shell, grog, and a mixed/other category (shell+grog was identified as a separate category only for the Hedges decorated and rim sherds, resulting in a higher proportion of "mixed/other" tempers there). Shell was used to temper a majority of sherds at both sites, but a larger proportion of grog-tempered sherds came from Hedges (Table 2). Adding shell as a temper was an innovation that occurred late in the Caddo period, and its appearance has been used as a "time marker" (Perttula et al. 2011).

Using stratigraphic information from both sites, we can see evidence for this increased use of shell as temper (Figure 9). In particular, grog tempering is predominant in the Hedges Test Pit 1, and especially its lowest Stratum 21. There is an increase in the proportion of shell temper from lower to upper deposits in the Hedges Block Excavation area, and in the near-mound northeast excavation units at Hughes. This corresponds to an increased use of shell temper later in the occupations of both sites. The available dates from these two sites are somewhat at odds with this ceramic data. In particular, the radiocarbon date for the midden above Hedges Feature 4 is later than the archaeomagnetic date estimate for Feature 5, while the proportion of shell tempering is larger in the Feature 5 sample. The Hughes dates (from Feature 7/middle deposit and Features 8 and 16/lower deposit) fit with the stratigraphic relationship there, but the pre-1400 dates on the lower feature seem earlier than expected from the ceramics.

We examined decorated ceramic sherds using both type/variety and the descriptive classification systems. In the descriptive system, Classes A and B refer to predominantly incised or trailed line patterns (A has vertical or diagonal rectilinear patterns while B uses horizontal and curvilinear patterns). Class C refers to punctated decorations. Class D has brushing as the major decoration. Class E is engraved patterns; F has stamped decorations; G is reserved for slipped pottery; and Class H refers to appliqued, ridged, and noded decorations. Comparing decorative classes at the Hedges and Hughes ceramic assemblages (Figure 10), we find that small sherds with incised designs insufficient to differentiate as A or B are common at both sites. Class C (punctation) and Class D (brushing) are more heavily represented at Hughes than at Hedges. Engraved sherds (Class E) make up more of the Hedges assemblage (8 percent for Hedges, 3 percent for Hughes).

Some decorative patterns can be recognized as defined ceramic types from the Caddo area. For example, the Hedges Stratum 21 assemblage had many incised and punctated sherds, with grog (or occasionally grog+shell or shell) temper, with Class B rim (Beloit or Bethel) and body (Bard) patterns, identified as Military Road Incised jars (Early 1993:103). Common at both sites were rows of diagonal slash incising (Class A,

Figure 8. Reconstructed pots from Hedges Feature 1 structure floor (Arkansas Archeological Survey photograph).

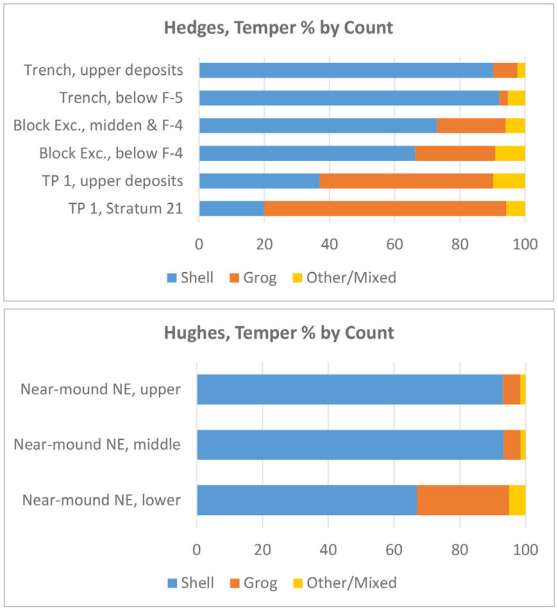


Figure 9. Stratigraphic comparison of ceramic tempers, showing increase in proportion of shell tempering through time (Hedges, n=6501 sherds; Hughes n=3268 sherds).

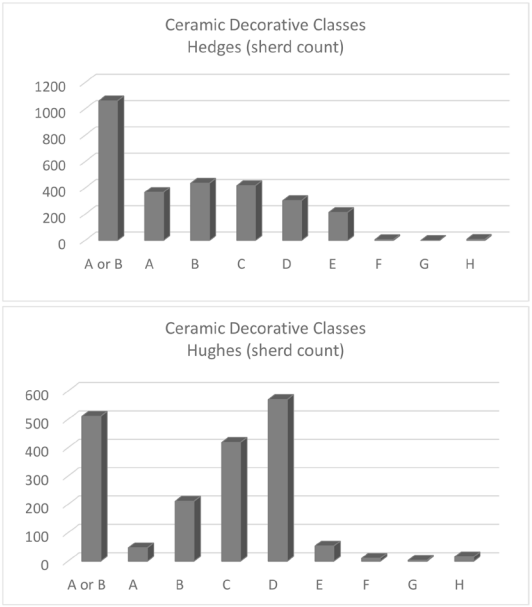


Figure 10. Comparison of ceramic decorative classes (Hedges, n=2810 sherds, Hughes, n=1839 sherds).

Agnes or Alfred patterns) or punctations (Class C, Chattanooga pattern) on rims, and curvilinear trailing or incising and nodes on bodies (Class B, Babson, Baker, or Belmont patterns). At both sites, these sherds were tempered typically with shell or shell+grog. This combination of decoration and temper is characteristic of Foster Trailed-Incised jars (Early 1988:74-75; Schambach and Miller 1984:121-122). Other patterns seen on shell-tempered rims and bodies at both sites include the Chatham rim pattern common on Cowhide "Stamped" jars and the Caney body pattern often found on Caney Punctated jars. Engraved patterns included carinated bowl rims with Elaine, Elwyn, and Ezra patterns characteristic of Friendship Engraved *var. Freeman* and *var. Meador* and Cook Engraved types (Early 1993:87-90).

We can identify a number of types at the sites (Table 3), and the ceramic similarities indicate contemporaneous occupations at Hedges and Hughes. There are a few Woodland period sherds at Hughes, and a scatter of Middle Caddo period (East phase) sherds at both sites. There is a substantial Late Caddo period (Mid-Ouachita phase) deposit recognized in Stratum 21 at Hedges, with a light scatter of the same types at Hughes. The main occupation at both sites fits into the Late Caddo period. The Social Hill phase was defined in the middle Ouachita River valley in part based on the Hedges ceramics. Because of the similarities in the ceramics and other material culture, I anticipate extending the Social Hill phase into the Saline River valley.

The link between decorative patterns and temper recipes with ceramic types and varieties is less than straightforward. For example, we might sort small, brushed shell-tempered sherds as Grace Brushed or Mound Tract Incised and Brushed if we look from the perspective of southeast Arkansas, or as Karnack Brushed-Incised if we are thinking about Caddo types from southwest Arkansas. There were a few sherds found at Hughes that resemble ceramics from sites in the Arkansas and Mississippi river valleys. These include rim sherds with an appliqued "filleted" rim treatment similar to some Bell Plain bowls, two red-slipped shell-tempered sherds identified as Old Town Red.

While we did not specifically compare coarse/utilitarian wares versus fine wares during our analysis,

	Hedges (3HS60)	Hughes (3SA11)
Late Caddo or		Old Town Red
Late Mississippian period:		Bell Plain
		Woodward Plain
		Blakely/Bailey/Taylor Engraved
	Belcher Engraved	
	Keno Trailed	Keno Trailed
	Foster Trailed-Incised	Foster Trailed-Incised
	Cowhide Stamped	Cowhide Stamped
	Caney Punctated	Caney Punctated
	Karnack Brushed-Incised,	Karnack Brushed-Incised,
	or Grace Brushed or	or Grace Brushed or
	Mound Tract Incised & Brushed	Mound Tract Incised & Brushed
	Cook Engraved	Cook Engraved
	Friendship Engraved *var. Freeman*	Friendship Engraved
	Friendship Engraved *var. Meador*	
	Military Road Incised	Military Road Incised
	Hardman Engraved	Hardman Engraved
	Garland Engraved	
Middle Caddo or	Pease Brushed-Incised or	Pease Brushed-Incised or
Middle Mississippian period:	Bossier/Plaquemine Brushed	Bossier/Plaquemine Brushed
	Sinner Linear Punctated	
Woodland period:		LeFlore/Ouachita Plain
		Churupa Punctated
		Marksville Incised/Cooper Boneware
		Williams/Baytown Plain

Table 3. Ceramic Types Identified at Hedges and Hughes.

Caddo potters used different decorative techniques on bowls, bottles, and jars. We can use decoration to infer vessel form. The prominence of incised, punctated, and brushed decorations shows a high proportion of utilitarian wares or jars in both assemblages. Relatively few bottles or fine ware vessel fragments were identified at either site. Sooting was not particularly prevalent, but I did note some large diameter jars represented by partial vessels at both sites. The two reconstructed vessels from the Feature 1 structure floor at Hedges is a reminder that whole vessels were sometimes left in structures (e.g., Harrington 1920:37-39), not just placed in graves.

Community Patterning

The Hedges and Hughes sites show similarities in their community patterns, as seen in the schematic views in Figure 11. Excavations at both sites uncovered residues of burned structures covered with midden next to the main mounds. Sequences of building, using, and terminating these near-mound structures created elevated areas beside the mounds that are visible on the topographic maps of the sites. Covering these burned structures with midden rich in organic debris, potsherds, and food bone represents a different pattern than the clean artifact-free earth used to bury mound structures. Both sites have quantities of food remains (well-preserved faunal collections) as well as hints of crafting activity (e.g., drills and drilled ornaments).

What is lacking from our pictures of these sites are the residential areas and houses that were near the mound centers. Remote sensing was not possible at Hughes because the property is now in woods and that

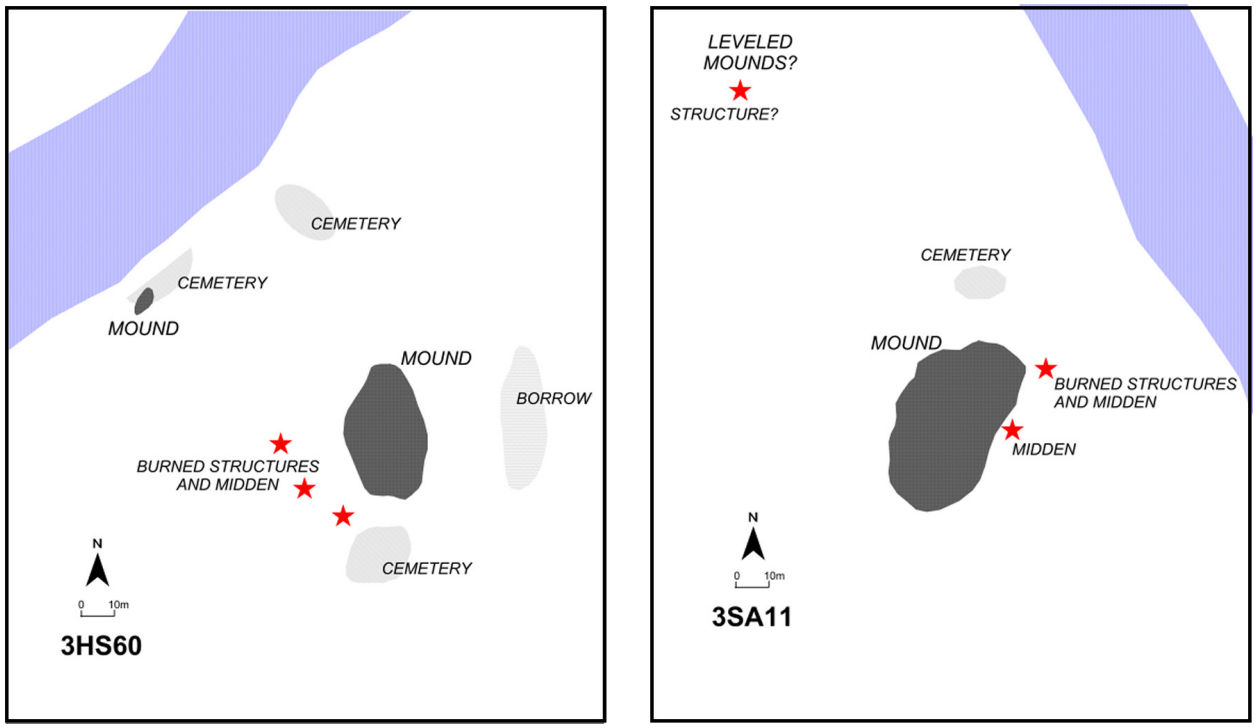


Figure 11. Schematic illustrations comparing community patterning at Hedges (3HS60) and Hughes (3SA11).

technology was in its infancy at the time of the Hedges excavations in the early 1970s, so we do not have the advantages of large-scale geophysical surveying (cf. McKinnon 2017:136). Neither did we have large-scale area excavations at these sites. We did do systematic shovel testing at Hughes, and there was limited auger testing to identify the presence of midden at Hedges. Anecdotal reports of digging by amateurs and collectors at both sites indicates cemetery areas near the mounds. We would expect residential areas and houses as well. Presumably, these would take the form of house clusters around the mound centers. One may be represented by the hearth (Feature 1) exposed on the north end of the Hughes site. If these ordinary houses were not burned (or were not smothered with dirt to preserve charred timbers), all that would be left would be a post pattern, difficult to detect without large excavation areas.

Concluding Thoughts

Interpretation of these two mound sites and their assemblages continues as I complete a monograph describing and comparing the archaeological investigations at these two ancestral Caddo communities. We are forming a picture of the physical configuration of the sites, the spatial layout of the communities, and the timing and patterning of activities that took place there. While there is earlier use of both sites, the main occupation at Hughes and Hedges took place between about A.D. 1450-1650. The artifacts show similarities, with ceramic types such as Foster Trailed-Incised, Mound Tract Incised and Brushed, Cowhide Stamped, Grace Brushed, and Caney Punctated, and Bassett and Maud arrow points, found at both sites.

Excavations next to the mounds at Hughes and Hedges uncovered sequences of burned structures covered with midden containing quantities of ceramic sherds, chipped stone, charred wood, and food bone. While it is tempting to describe "special" feasting and crafting activities in these near-mound locations, it is difficult to make the argument without comparisons with midden from ordinary houses. The quantities of faunal material in the excavated midden deposits at both sites, however, reminds us that we need to pay more attention to analysis of preserved food remains from sites like these. At the Arkansas Archeological Survey, for example, we have curated collections from older excavations that include charred food plants and animal bone from structure contexts. These await a larger comparative study.

Acknowledgments

Thanks to Arkansas Archeological Survey Henderson State University Research Station assistants Kate Wright, Matt Reynolds, Vanessa Hanvey, and Chelsea Cinotto for preliminary artifact analyses and for artifact photography. Ann Early provided details about fieldwork at Hedges. Lucretia Kelly analyzed a sample of faunal material from Hughes. Elizabeth Horton identified the corn used in the Hedges AMS date. A grant from the Arkansas Archeological Society's Archeological Research Fund funded the Hedges AMS date. An HSU faculty research grant that funded the C14 dating from Hughes. Funding for the Hughes faunal analysis came from the State of Arkansas. I appreciate the Arkansas Archeological Society volunteers and Henderson State University students (Mary Ann Goodman, Florence Davis, Judy Thye, Sue Crane, Tony Caver, Cheryl Jerrels, Lyn Welland, Janice Fisher, Denise Evans, Natasha Johnson, James Allen, Turell Williams, KaJuan Watson, and Drew Wright) who helped with artifact analyses in 2011 and 2017. Artifacts from both excavations are curated at the Arkansas Archeological Survey's HSU Research Station in Arkadelphia (Accessions 1973-540, 1974-746, and 2002-414).

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In Between Two Worlds: Past Perspectives on the Neosho Phase (A.D. 1400-1650)

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The Neosho phase (A.D. 1400-1650) in northeastern Oklahoma, northwestern Arkansas, southwestern Missouri, and southeastern Kansas represents Late Pre-contact peoples engaged in widespread trade from the Plains to groups in the southeastern United States. The phase has confounded researchers since its definition, although debates mainly concern one of two main questions concerning the identity of Neosho peoples: origins and cultural affiliation. Most research to date has focused simply on the question of emergence. Early in these debates, Orr (1946) suggested that Neosho peoples represented one or more plains-oriented groups that had migrated into the area, while Wyckoff (1980) and others later argued that Neosho represented a dissolution of the Arkansas River Valley Caddo-Mississippian system. Numerous issues have inhibited progress in defending either of these models, including a dependence upon research methods that rely upon descriptive cultural trait lists, a reluctance to contextualize and emplace Neosho peoples within the region at large, and even the initial definition of the phase and culture area. This article represents the beginning stages of my dissertation research and will focus on discussion of the Neosho phase, including previous research, issues and debates, and ways to resolve and reinvigorate research in this area and time period.

Introduction

The Neosho culture (A.D. 1400-1650) on the southwestern fringe of the Ozark Plateau is widely discussed in archaeological literature beginning with Baerreis' (1940, 1941) definition of it as a distinct focus. However, in tracing the intellectual history of research concerning the Neosho phase, it is clear that researchers have struggled with its definition and in clarifying its relationship to preceding and surrounding cultures. Other than a few broad categorizations (e.g., mobile and dispersed community settlements; hunting, gathering, and horticultural subsistence) little is known about how these people conducted day to day activities or how they interacted with surrounding cultures.

With such limited knowledge, researchers have struggled to resolve several debates concerning the identity of Neosho peoples. It has been postulated that Neosho's relationship to preceding cultures can be explained by an in-situ development (Freeman 1959, 1962; Purrington 1971; Vehik 1993; Wyckoff 1980), while others suggest a migration of extra-regional peoples into the area (Baerreis 1940,1941; Chapman 1959; Orr 1946; Dickson 2002; Wedel 1959). To date, all arguments have relied upon material culture trait lists, depending heavily upon relative similarities in artifact assemblages to argue for one theory or the other rather than completing an in-depth analysis. Such reasoning has been proven insufficient and Neosho-related research has remained inactive and unrevised for 20-30 years. This article represents a synthesis of knowledge and research on Neosho people in preparation for a project that seeks to reinvigorate research in this part of Oklahoma on the Late Pre-contact period and to make the first major statement on the Neosho phase in several decades using contemporary methodologies and theories.

The Neosho Phase: Previous Research and Main Debates

According to the research that has been conducted to date, scholars believe that Neosho peoples resided on the southwestern fringe of the Ozark Plateau between A.D. 1400-1650. Originally, it was believed that they lived year-round in rockshelters, but these interpretations were based on an incomplete dataset and mixed rock shelter deposits (Dickson 2002; Freeman 1959, 1960). Many open-air sites have now been documented, although few have been fully investigated, throughout the Neosho culture area, which includes parts of northeastern Oklahoma, southeastern Kansas, southwestern Missouri,

and northwestern Arkansas (Conner 1999; Ray 2017; Ray and Lopinot 2008; Thomas and Ray 2002; Wyckoff 1964). As such, it is now recognized that Neosho peoples may have resided in rockshelters during winter months and then resided more intensively in open air sites during warmer periods where they would grow crops (Cobb 1976; Dickson 2002). This Late Pre-contact culture participated in hunting and gathering--bison hunting and gathering of nuts, primarily--as well as horticultural activities.

Material remains indicative of the activities of Neosho peoples include bison scapula hoes, shell hoes, various lithic tools including small triangular projectile points manufactured from local chert sources (Reeds Spring, Peoria, etc.) (Ray 2006a, 2007, 2013), end scrapers and side scrapers, Harahey knives, and shell-tempered pottery (Freeman 1962). The only distinct and defining material traits used in the past to identify and interpret Neosho phase sites are use of a highly localized chert resource in northeastern Oklahoma called Peoria chert (Ray 2013) and a "distinct" pottery type: Neosho Punctate (Figure 1). Freeman and Buck (1960) defined this type as a decorated variety of Woodward Plain, another shell-tempered utilitarian vessel type that is ubiquitous in the Arkansas Valley. They state:

> Paste and surface finish characteristics are essentially the same for both types…technique of decoration is limited to punctating, incising, and applique nodes. Punctates are most characteristically wedge shaped and deeper at the straight end than at the rounded end. Alternatively, and in the minority, are elliptical or round punctates. Incised lines are usually 3 to 4 mm wide but may also be about 1 mm wide. Often the decoration is not well executed...Decoration appears on the lip of vessels…lower rim and upper shoulder (Freeman and Buck 1960:11-12).

This type description continues to be used in conjunction with culture-historical narratives to argue for the identity of Neosho people in terms of their emergence as a "distinct" tradition as well as for their cultural affiliation. As such, Neosho represents a "ceramic culture," and interpretations and distinctions have been made mostly through visual comparison of similarities and differences in ceramic vessels and vessel sherds found at these sites, but with no in-depth stylistic analyses.

The available literature discussing Neosho sites, people, and material culture is sparse, but it is clear that the focus has been on one of two main questions relating to the identity of Neosho people: origins and

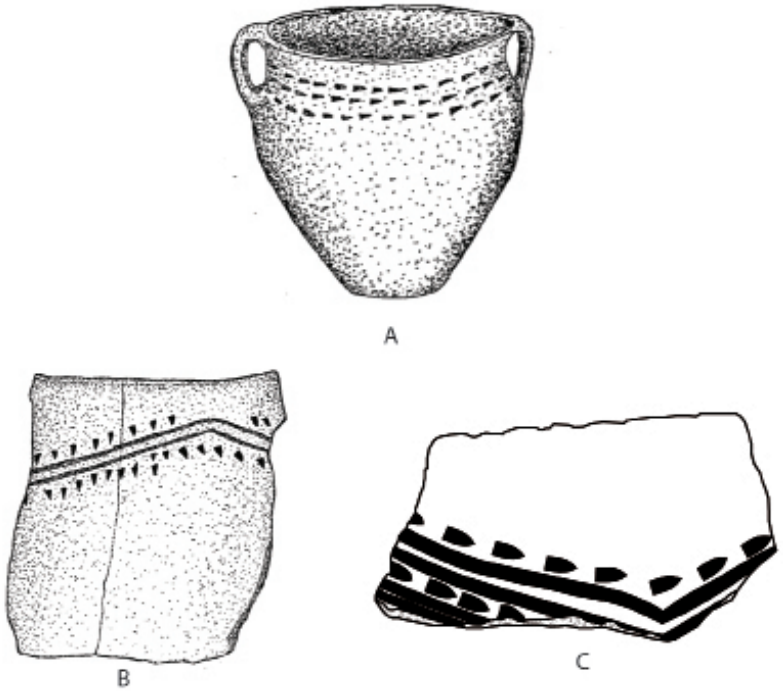

Figure 1. Examples of Neosho Punctate ceramics. (A) Complete Neosho Punctate vessel from 3BE181 (Dickson 2002:214); (B) Neosho Punctate rim sherd from 3BE174 (Dickson 2002:215); (C) Neosho Punctate rim sherd from 34DL39.

cultural affiliation. These debates, more simply, depend upon and circle around the classification of Neosho people as being more or less related to preceding and succeeding cultures located on the Plains or in the southeastern United States (i.e., Caddo-Mississippian peoples). Debates and arguments such as these show that archaeologists were and are grappling with how to best interpret the practices and material remains of cultures living in areas between two major environmental and cultural regions, choosing to rely upon models of diffusion of cultural traits.

After Baerreis' (1940, 1941) initial definition of Neosho, speculations about Neosho origins began. Baerreis (1940, 1941), Chapman (1959), and Harrington (1960) all postulated that Neosho represented a proto-Osage manifestation, resulting from a migration of peoples from the southeastern United States into the Ozark Plateau. In particular, Chapman (1959) examined historic Osage origins, and in the process, he concluded that Neosho was the result of the migration of proto-Osage peoples from the Lower Mississippi Valley into the southwestern Ozarks. He cited similarities in ceramic design to support his theory of a migration of peoples into the area. Chapman stated that similarities in ceramics between historic Osage, Oneota, and Neosho ceramics were due to a diffusion of ideas and designs. In doing so, however, he refuted the possibility of an Oneota affiliation for the Osage, which later scholars would actively show to be a more well-founded hypothesis for the emergence of Osage in the area (Yelton 1991). Oneota is commonly cited as a possible influence on Neosho culture, due to similarities in ceramic design (punctations and incised lines), although differences in design configuration and vessel shape lead to the belief that these similarities represent transmission through diffusion rather than direct association (Henning 1970, 1998; Purrington 1971).

Orr (1946) also hypothesized that Neosho peoples represented a migration of extra-regional peoples into the area, but unlike Baerreis and Harrington, he suggested that Neosho represented Plains peoples moving into the southwestern fringe of the Ozark Plateau. Their migration, he argued, was primarily due to unstable climatic conditions in the Late Pre-contact period. A similar migration is noted by Lorrain (1967:34), who argued that an intensive drought on the Plains in northwestern Texas and southwestern Oklahoma spurred people to move eastward between A.D. 1400-1500. She speculated that such a migration event could explain several Plains traits in Caddo Fort Coffee phase sites (A.D. 1250-1450), located just south of the Neosho culture area. Wedel (1959:628-629) wrote about a similar drought event in western Kansas and Nebraska around A.D. 1439-1464 that may have pushed other Plains groups to move into the area occupied in A.D. 1450 by Neosho people. Local climatic patterns and data derived from the North American Drought Atlas (drought.memphis.edu) corroborate these drought events on the Plains, but average conditions during the period of A.D. 1400 to 1450 show that there are also moderate to severe drought conditions in the areas in and surrounding Neosho occupations. Additionally, there are no sites on the Plains that can unequivocally be employed to associate Neosho people with a specific group of Plains peoples.

Freeman (1959, 1962) expanded upon Neosho research, examining rock shelter sites in Delaware County, Oklahoma. Refuting other scholars, including Baerreis, Orr, and Chapman, she proposed that Neosho peoples are the result of an in-situ development of cultures, with influence permeating into the southwestern Ozarks from nearby Arkansas River valley Caddo and/or Plains peoples. Central to her hypothesis was the idea that cultures in the Ozarks were very isolated through time, an "island" as Purrington (1971) described, only experiencing varying levels of cultural influence from nearby cultures. Otherwise, peoples residing in the Ozarks were thought to be culturally "conservative," experiencing high degrees of cultural continuity through time, and only ever achieving what Willey and Phillips (1958) would categorize as an Archaic stage of culture. Using this basic idea, Freeman (1959, 1962) noted evidence of cultural continuity in Neosho materials from previous cultures like Delaware A and B, with influences from cultures in the Arkansas River drainage and the Plains in the form of some lithic tool types and visible pottery attributes. Thus, she contributed a second theory for Neosho origins, an in-situ development, that was opposed to earlier theories of a migration of extra-regional peoples. Purrington (1971) also supported her theory based on his diachronic examination of sites in Delaware County. Other

researchers continued to excavate sites in the proximity of the Neosho culture area, and assign them Neosho cultural designations (e.g., Cobb 1976; Wyckoff 1964).

In later decades, there was a continuing concern for researching Neosho origins. Not opposed to, but elaborating on Freeman's (1959, 1962) hypothesis of an in-situ development, Wyckoff (1980) proposed that Neosho peoples represented the local dissolution of Arkansas River Valley Caddo societies. Conner (1999), Dickson (2002), Ray and Lopinot (2008), and Vehik (1993) would support his theory. After the Spiro phase in nearby LeFlore and Haskell counties of Oklahoma, there is evidence that mound-building activities ceased, and Fort Coffee peoples, residing in the Arkansas River Valley contemporaneously with Neosho peoples in the Ozarks, did not engage in intensive ritual activity noted in prior phases (Rohrbaugh 1982, 1984). There is little evidence to support the Neosho culture's involvement in mound-building or intensive ritual practices, although some have shown that Neosho peoples used and constructed earthworks in southwestern Missouri (Conner 1999:28; Ray and Lopinot 2008:66-68).

Rohrbaugh (1982, 1984) clarified the definition of the Fort Coffee focus (A.D. 1450-1600) and changed its McKern designation to phase. This was presumably an attempt to move away from the use of McKern's (1939) Linnaean cultural classification system in the region. In discussing the earlier Spiro site phases and their relationship to the later Fort Coffee phase, he cited differences in ceramics, house construction, and subsistence. He also discussed the Neosho phase in relationship to the Fort Coffee phase, and while they exhibit many similarities, settlement strategies appear to be different and ceramic design configurations are not exactly the same. Ware types found in Fort Coffee phase sites have incised lines and punctations, but unlike Neosho's characteristic wedge punctations, Fort Coffee vessels have "fingernail" punctations along the rim and lip. Fort Coffee vessels also include engraved types, not found in Neosho ceramic assemblages. With all that said, Rohrbaugh (1982, 1984) was silent on potential relationships between Neosho and Fort Coffee, though their proximity and similarities indicate a closer relationship. It is known that contemporary surrounding Caddo populations and Plains populations--more specifically the Lower Walnut peoples in south-central Kansas--were engaged in highly interconnected trade networks (Perttula et al. 2001). Neosho's relationship to the preceding Spiro phase (A.D. 1250-1450) and contemporaneous Fort Coffee phase (A.D. 1450-1600) in the Arkansas River drainage and to cultures in other adjacent regions remains unresolved (Sabo and Early 1990).

I speculate that, in part, the reason for this lack of clarity in the relationship between Neosho and surrounding cultures on the Plains and in the Arkansas River valley is due to its location on the southwestern fringe of the Ozark Plateau and perhaps the limited stylistic character of Neosho and other contemporaneous cultural assemblages in the area. The assumption that cultures in the Ozarks were relatively isolated and "conservative" lingered until Brown's (1984) exploration of prehistoric Ozark marginality and his assertions that dispel those common ideas based on environmental conditions. Neosho research has not been updated in light of these discussions. The Ozark environment is by no means impassable, but the assumption of marginality and the idea that cultural influence only permeated these uplands from the outside has resulted in stagnant interpretations of numerous cultures, including Harrington's (1924, 1960) bluff dweller cultures. Investigations of Neosho origins has remained static in part because of this assumption that cultural traits common in Neosho assemblages are seen as either stemming from the Plains or the Arkansas River valley in a unidirectional outward-in diffusion. Questions concerning Neosho culture remain unresolved because of the idea that the material culture of Neosho peoples must represent origins in either Plains or southeastern traits--because of their association with the Ozarks, a place "in between" two large environmental regions.

Another reason that Neosho research remains hindered is the lack of clarity in broad-scale interaction patterns in the region, resulting from a rigid culture history and reliance on trait list comparisons. No stylistic examinations of ceramic attributes--save one which attempts to distinguish varieties of Woodward Plain--have been conducted on Neosho and surrounding populations to better understand similarities and differences in design configurations. Research has continued on Neosho sites (Conner 1999; Dickson 2011;

Ray 2006b; Ray and Lopinot 2008), but numerous publications continue to reiterate the same information (Dickson 2002), and no new research on the topic of Neosho origins has surfaced since Wyckoff (1980) postulated that Neosho was the result of the dissolution of the Arkansas Valley Caddo system. As such, the study of Neosho assemblages has not been subject to updated research designs, methodologies, or theories, and the culture historical concern for Neosho origins remains.

Thomas and Ray (2002) have shown that Neosho peoples at the Dahlman site in Lawrence County, Missouri, were engaged in long-distance trade with peoples on the Plains and, indirectly, peoples in the southeastern United States. Their research is the first to examine Neosho in terms of a highly interconnected and far-flung network of relationships regardless of environmental determinism. However, there is still a lack of clarity of how Neosho relates to surrounding peoples and cultures.

From the above discussion, it is clear that Neosho research is troubled by issues that inhibit an understanding of the peoples themselves as well as the broader regional intercultural dynamics during the Late Pre-contact period. Reliance on ambiguous and rigid type descriptions of ceramic style and design to identify and relate Neosho people to surrounding groups impedes a general understanding of local and regional social processes. As a result, the intercultural dynamics and culture area definitions in the region surrounding the Neosho phase and cultures on the Plains and in the southeastern U.S. remain uninvestigated and confusing (Figure 2). Along with this systemic issue, there is a needlessly heavy focus on classificatory debates concerning Neosho emergence and cultural affiliation, ignoring evidence of intercultural interaction, and attending more to internal patterns and comparison of trait lists. Thus, Neosho research to date oversimplifies complex cultural processes in pursuit of dichotomous classification of Neosho people as either representing Plains or Southeastern cultures.

In order to overcome the various issues with Neosho research to date, my dissertation project will focus more broadly on processes of identity formation at a macro-regional scale, moving away from questions that engage with classificatory schema that seek to assign rigid identities to Neosho people based on the

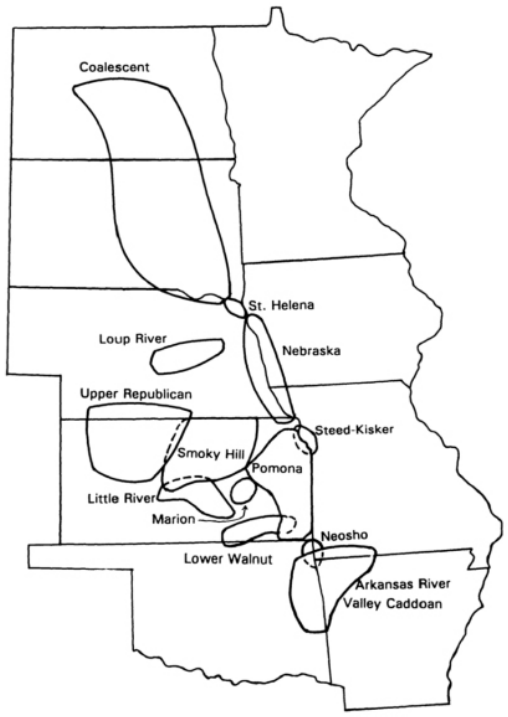

Figure 2. Location of Late Pre-contact Cultural Units (Vehik 1993:238).

dichotomization of cultural and environmental zones. By focusing on macro-regional patterns, I hope to clarify relationships within and between cultures in the area and overcome the systemic issues of typological classification of ceramics and culture areas in the region.

Methods, Theories, and Resolutions

In light of the various roadblocks that Neosho research has encountered, it is essential to incorporate a chosen method within a theoretical perspective that can both account for macro-regional processes of identification and interaction with more local processes of practice, history, and renegotiation. Cultural theory has recently begun to engage with globalization and what it means in terms of flows of information and its implications on culture--ideas that have direct implications for understandings of regional processes in the past. These more recent models are useful in that they begin to deconstruct boundaries and deterritorialize citizenship, a major hurdle that must be crossed to problematize culture area boundaries in archaeology as well as

provide a productive way of understanding material similarities.

Most of these new ideas stem from Appadurai's (1990) discussion of globalization as a mechanism for homogenization and heterogenization. In this discussion, Appadurai defines several different landscapes of flow including, but not limited to, ethnoscapes (movement of people) and technoscapes (movement of technology). Essentially, she argues that in these new spaces of global flows, there is a simultaneous homogenization and heterogenization of beliefs, products, techniques, and culture. Thus, in a global network there is a tension between wanting to be open to uniform global phenomena and wanting to maintain a distinctive identity of localization. Within such a model, local spaces of performance are places where people engage in various activities, where practices are negotiated, affirmed, denied, and reassessed. These performers or actors can elaborate on their practice in such local spaces and get immediate feedback on their acceptance or rejection within the already established cultural schema. As such, individuals have the potential to incorporate new elements into their performance and practice or to experiment within an arena that operates under an overall structural schema of accepted practice. These ideas then have some implications for how we discuss previously defined borders between culture areas and how we think about relative similarity through geographic space (Kearney 1991; Ong 2005; Tsing 2005).

Within archaeology, this gives an interesting elaboration on practice theory that illustrates the continuous instability of performed cultural phenomena, including practice as seen through material culture. This kind of perspective rejects fragmented and discontinuous spaces and instead sees social phenomena existing within interconnected spaces that are then made meaningful through agentive actions and continued practice (Gupta and Ferguson 1992). Practice theory, as espoused by Bourdieu (1977, 1990) and Giddens (1991), has been elaborated within archaeology to account for history, agency, and transformation. It is particularly useful because we can better account for variation in material culture and speak not of "pots as people" but as the result of cultural practice by agentive actors. Practice provides a way to discuss similarities and differences in material culture through learning frameworks (Gosselain 1998, 2002, 2008, 2011; Wenger 1998) and to incorporate a discussion of the impact of history on transformations of culture. Practice, in this respect, is both molded by what came before and impacts what will follow (Pauketat 2001). If we incorporate ideas of globalization and local "spaces" of performance--of which there can be multiple within each community as they are inherently multi-scalar--within the already established practice frameworks, we can better account for resistance, irrationality, and intentionality in the material record. This destabilizes the boundaries between culture areas (not to mention destabilizes problematic material typologies) and instead variation in material culture can be understood as localized performances of agentive individuals.

From this framework, incorporating elements of globalization and localization with the tenets of practice, performance, history, and power, we can begin to think about the identities of people in the past as equally stable and unstable senses of self and the world. This kind of perspective incorporates more recent discussions in cultural theory on subjectivity and becoming (Biehl 2005; Biehl and Kleinman 2007; Biehl and Locke 2010). By drawing from theory about global flows of ideas and cultural patterns, we can begin to think about the exchange of techniques and ideas not as bounded entities that "belong" to one culture area or another but instead as an engagement with regional ideologies that become interpreted through localized frameworks of practice. Culture can be envisioned not within preconceived fragmented areas of difference but as space made meaningful through practice and performance as affected by historical relationships and operating within structures of power. In opening up spaces of performance within the already established practice framework, we are better able to understand local elaborations on broader "styles" as the result of agentive action and negotiations of regional and local entanglements and relations to self and world. Therefore, we can begin to see individuals as in a constant state of negotiation and relation with the world around them, in a consistent state of "becoming" where their sense of self and world are destabilized and made meaningful by performance and practice. Rather than identity connoting "oneness," instead it is possible to see

identity as an unfinished process of self-identification through history.

As Neosho research to date has relied on classificatory "either/or" schema in interpreting material remains and determining research questions, by incorporating practice theory, globalization, and performance spaces into my research, I can refocus Neosho research on understanding the process through which people relate to the world around them. In doing so, it will be important to overcome the various taxonomic brick walls that have stagnated research and perpetuated a premise of naturally discontinuous cultural space in the area and instead focus on how people made space meaningful through practice. In this way I believe that my research will better examine variation in the Late Pre-contact period in the area by understanding how aspects of identity are signified in practice and are negotiated through relational networks.

In pursuit of such broad patterns of practice, social interaction, identity formation, and intercultural dynamics, I will use ceramic attribute data and social network analysis to investigate how interaction between groups in the region affected their relative identifications. Social network analysis (SNA) is an emergent paradigm that derives from various interdisciplinary sources and seeks to address questions relating to interaction in the past (Knappett 2013). SNA is a unique method that can provide numerous insights into various social processes within a variety of theoretical frameworks (Mills 2017). For instance, Peeples (2018) incorporates identity theory derived from sociology in his investigations of the Prehispanic Cibola world. Thus, researchers can utilize this methodology in conjunction with research-specific theoretical approaches including practice, identity, entanglement, complexity, and human behavioral ecology. When used in conjunction with concepts and theories like identity, ceramic style, and practice, SNA can effectively map social interaction between sites and reflect processes of identity formation.

Methodologically, social networks are defined as a set of items, people, sites, etc. with connections between them (Knappett 2011). Networks in archaeology are presented such that nodes (points) represent people, or groups of people, and the edges or links (arrows) between these nodes represent various forms of social interaction (Figure 3). In utilizing SNA, researchers can characterize the structure of relationships among social groups (Wasserman and Faust 1994). Recent scholarship on SNA recognizes

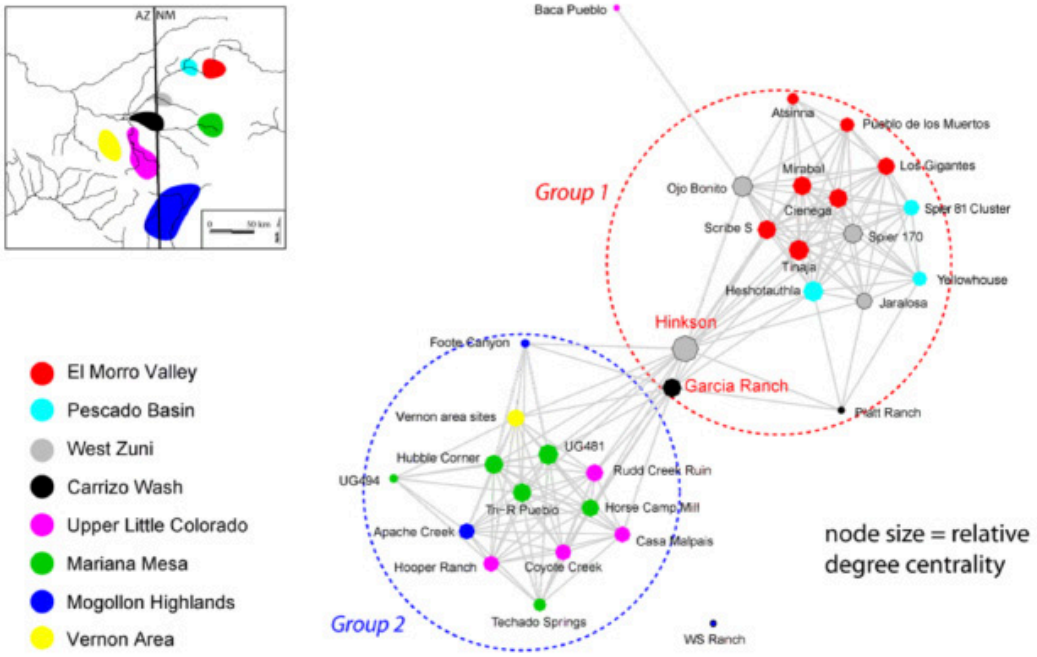

Figure 3. An example of a network of ceramic technology similarities among sites (the nodes) in the Cibola Region of the Southwestern U.S. Ties among settlements indicate technological similarities as derived from threshold similarity values for Brainerd-Robinson (BR) statistics (Peeples 2011:206).

four general characteristics inherent in the methodology and perspective (Bernard 2005:377). First, SNA focuses on ties (links) between people, households, and sites (nodes) rather than on the specific attributes of those multi-scalar actors. Second, SNA requires systematic collection of data to investigate those ties or relationships and to make inferences about what those ties signify. Third, there is a strong emphasis on graphical presentation of data and results. Finally, this method relies upon computational calculations to account for large amounts of data about social ties. Accordingly, SNA is primarily concerned with analyzing material and social ties or interactions between actors at numerous scales.

The basic archaeological understanding of interaction has two main characteristics: that interaction takes place within an absolute physical space and that it occurs at multiple scales (Knappett 2011). SNA is suited to illuminate both of these characteristics through archaeological data, but also allows the investigation of the types of social processes associated with those emplaced interactions. Paradigm shifts show an altered focus from spatial absolutism to relational approaches that postulate understanding information and resource flow among actors is needed to understand behavioral and social processes (Knappett 2011). SNA methods, when situated within an anthropological theoretical framework, can examine such processes at numerous scales from household-level decisions to macro-regional processes, which fits well within the above discussed framework of relative globalization and localized practice.

Importantly for the purposes of my research on Neosho peoples, SNA provides a methodology that does not assume the existence of "natural" boundaries (Borgatti and Halgin 2011). Due to the aforementioned difficulties with research to date, it has been important to incorporate an updated framework and methodology that allows me to disregard the cultural boundaries constructed by past researchers and instead understand the cultural dynamics in the region through material proxies. A common issue in archaeological analyses is the ability to define social boundaries through typologies and other material and social attributes. Boundaries within network analyses are more of a methodological consideration than one relating to process, as analysts arbitrarily assign boundaries for nodes--which can be households, sites, or regions depending on the dataset--and then another arbitrary boundary for the project area. But this method does not readily assume that boundaries are natural constructs that can be identified through material remains. Archaeologists agree that people do not live in typological, social, or cultural boxes, and as such, SNA provides a method for comparing the distribution of material culture attributes and to draw inferences on what similarities and differences in those attributes mean without having to place people or groups into typological boxes (Terrell 2013).

I will be recording ceramic data from Neosho sites including stylistic and technological attributes from which I will calculate similarity scores between sites (Table 1). Ceramic style will be used as a proxy through which to understand and map social processes (Hart 2012; Hart and Engelbrecht 2012; Carr 1995). Ultimately, the attributes I have chosen to focus on represent decisions made throughout the manufacturing process with specific focus on those middle- and last-order attributes that have been shown to reflect processes relating to identity formation (Carr 1995). Ceramic assemblage data from sites contemporaneous with the Neosho phase, including the Fort Coffee phase (A.D. 1450-1600) and Lower Walnut phase (see Figure 2) will also be acquired from existing collections at repositories in Oklahoma, Kansas, Missouri, and Arkansas.

Additionally, I will search existing collections for undated carbon samples to solidify the Neosho occupation age range. The Neosho phase has been dated to ca. A.D. 1400-1650, with several radiocarbon dates confirming this range (Cobb 1976; Conner 1999; Dickson 1991; Rohrbaugh 1984; Wyckoff 1964), but

Stylistic	Design/Manufacture
Decoration Type	Temper
Punctation tool	Color
Punctation shape (exterior and interior)	Rim Diameter (if applicable)
Incised line width	Rim Percentage (if applicable)
Incised line orientation	Exterior surface treatment
Incised line spacing	Interior surface treatment
Stage of decoration application	Rim/Neck form
Punctation size	Rim height
Punctation depth	Lip thickness
Location of Decoration	Midrim thickness
Decorative Intent (chevron, rectilinear, etc.)	Rim Base thickness
Punctate density	Shoulder thickness
	Manufacture
	Wall Thickness (max.)
	Vessel Form
	Use Wear
	Lip Shape

Table 1. Ceramic attribute measures.

more dates will be needed to clarify Neosho's history within Oklahoma and the surrounding regions.

Using the ceramic measurements and attributes in Table 1, I will construct a similarity matrix in which attributes will be compared in terms of their similarities between sites (Östborn and Gerding 2014). I will calculate similarity scores using Gower's General Similarity Coefficient, which measures proximity (or in this case, similarity) for data characterized by a combination of nominal and continuous variables. Higher coefficients indicate a stronger likelihood of communication and interaction or shared social relations (Mills 2017). Having compiled these data into this format, the similarity matrix will be input into the social network analysis. Links between nodes (i.e., sites) will be weighted in terms of relative similarity of ceramic attributes in order to investigate the structure of the network's weak and strong ties.

For the Neosho phase, I am interested in examining whole network attributes to better understand global and local processes of interaction, practice, and learning. As such, I am fundamentally concerned with questions concerning how people relate to one another in global and local contexts and how these dynamics affect their practices and processes of identification. From a network perspective, I am not concerned with spatially bounded entities and their importance to network structure but am interested instead in broader patterns of relations. Previous research has illustrated that geographic distance is not a predictor of artifact similarity (Hart 2012), and such problematic premises of similarity and proximity have framed Neosho research to this point. Instead, I will examine the relational aspects of attribute similarity, paying particular attention to interpretations emphasizing performance, practice, history, and agency at local and regional scales.

Conclusions

The question of Neosho phase origins, while interesting in the frameworks of previous research, is unproductive in light of contemporary theory and methodologies. Research must overcome the rigid culture history of the region, as their definition on the basis of similar material culture traits has clearly resulted in a complex and confusing mileu of similar but different cultures. Compounding these issues is the Neosho phase's existence in an area that lies between the major regions of the eastern Woodlands and the Plains, on the "island" that is the Ozark Plateau. The consolidation of various foci into larger taxa has remained difficult, as it has been impossible to understand the relative contribution of both the Plains and the Woodlands to the culture traits used in their definition. It is necessary, then, to reexamine and reconceptualize the region as representing an interconnected space, made meaningful by people in practice. By doing so, I can disregard taxonomic classifications in the region and instead focus on macro- and micro-regional networks of interaction and identification. Only then will it be possible to overcome the various assumptions and problems that have influenced research to date and better understand how peoples associated with the Neosho phase relate to past and contemporaneous cultures.

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An Ancestral Caddo Site (41CS125) on the Sulphur River at Lake Wright Patman, Cass County, Texas

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In December 2017, AmaTerra Environmental Inc. conducted an intensive archeological survey of 41CS125, a previously reported ancestral Caddo site at Lake Wright Patman in Cass County, Texas. The work was done at the request of the U. S. Army Corps of Engineers, Fort Worth District in advance of a proposed bank stabilization project. The site was occupied from the Late Paleoindian period through historic times with extensive occupations during the Formative to Early Caddo and Late Caddo periods. Artifacts recovered in the investigations included both arrow and dart points, lithic debitage, bifaces, ground stone, a celt fragment, pitted stone, ceramic sherds, a ceramic bead, charred organic material, unidentified bone fragments, and 19th century historic domestic materials. While the site has been adversely affected through alluvial erosion and looting, survey results indicate that intact components of the site still exist along the northern and western periphery of the landform.

Introduction

Site 41CS125, also known as the Mill Creek, Island Site, Rabbit Island, and the Green Farm site, is a multi-component site at Lake Wright Patman occupied from the Late Paleoindian period through historic times (Figure 1). In this article we discuss the 2017 archeological investigations at the site as part of an ongoing archeological survey of Lake Wright Patman on the Sulphur River in Cass County, Texas (Sitters and Perttula 2018), with a focus on the features and ceramics associated with the ancestral Caddo occupations.

Previous Investigations at 41CS125

The site was formally recorded by Janson L. McVay, a well-known artifact collector from Texarkana, Texas, who encountered an ancestral Caddo burial washing out of its banks in 1959. Subsequently, McVay and other collectors excavated 41 burial features and their associated grave goods or funerary offerings (Texas Archeological Research Laboratory, University of Texas, Site Files). Since then, the site has been revisited many times by artifact collectors who have recovered, through illegal digging, cultural materials such as ceramic vessels, elbow pipes, and projectile points from its shores.

The first professional archeological investigation at 41CS125 may not have occurred until July 2001 when then U.S. Army Corps of Engineers (USACE)-Fort Worth District Archeologist, Stephen Austin, surveyed the north and northwestern shoreline of the site. At these locations, he documented three areas where human remains were observed eroding out of the banks, as well as three features he described as dark, clayey pits (Figure 2 and Table 1). In August 2006, 41CS125 was determined eligible for inclusion in the National Register of Historic Places.

In other professional investigations, Dockall and Fields (2006) documented numerous looter holes at 41CS125 in areas with intact archeological deposits exposed in steep wave-cut erosional benches (Dockall and Fields 2006:57). Then in 2014, archeologists from SEARCH conducted a reconnaissance-level survey of 16 known sites at Wright Patman Lake, including 41CS125, to better understand the nature of impacts to sites from current and proposed pool level rises (Harrell et al. 2015). SEARCH noted "numerous artifacts (lithic flakes, projectile points, pottery sherds, and fauna) were identified across most of the exposed shoreline with a very dense cluster located on the southwest edge of the island" (Harrell et al. 2015:42). Most recently, AmaTerra Environmental Inc. (Sitters and Perttula 2018) carried out an intensive survey of the site, which consisted of a thorough pedestrian survey and tightly spaced shovel testing. The result of their efforts has produced the most robust artifact assemblage collected from the site by professional archeologists.

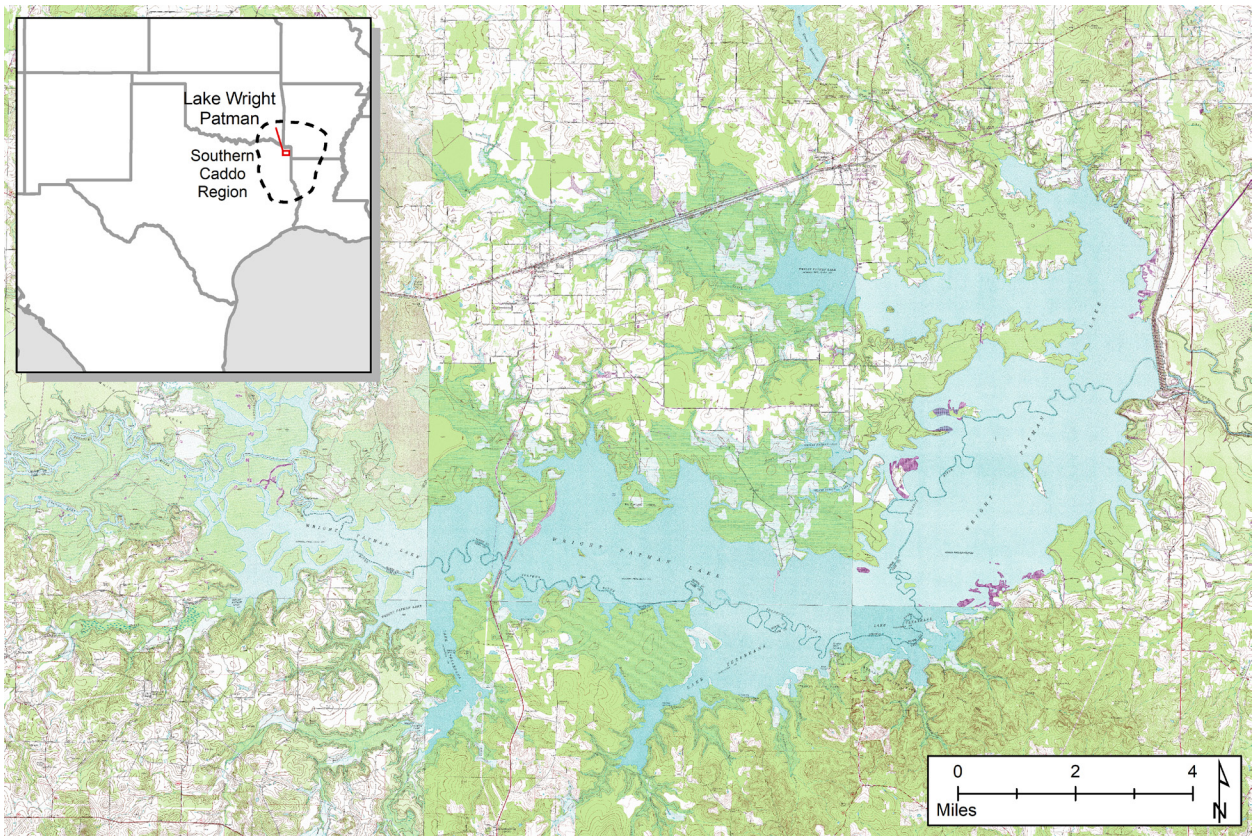

Figure 1. Lake Wright Patman in Bowie and Cass counties, Texas.

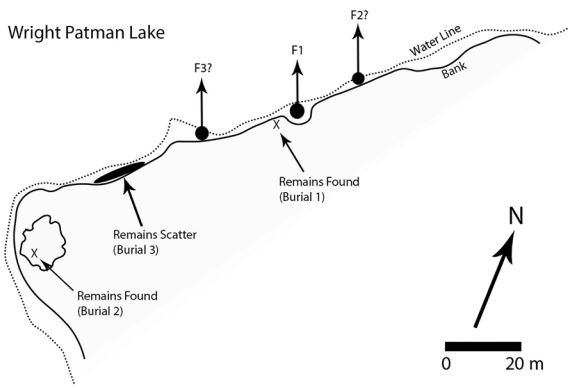

Figure 2. Digitized drawing of 41CS125's northern and western shoreline (adapted from Stephen Austin's 2001 hand drawn map).

Map Reference	Description
F1	Dark Clayey Pit: No visible evidence of exposed remains. Some sherds. Obvious signs of probing.
F2	Probable burial pit. No visible artifacts, remains, or probing effort.
F3	Probable burial pit. No visible artifacts, remains, or probing effort.
Burial 1	Proximal portions of humerus placed side by side next to F1.
Burial 2	Proximal portions of tibia placed at base of tree on west side of point. No noticeable burial pit nearby.
Burial 3	Scattered remains. Some sherds and calcined animal bone fragments

Table 1. Key to Stephen Austin's 2001 map of 41CS125.

2017 Archeological Investigations at 41CS125

Encompassing 22 acres, the site is on an alluvial terrace landform, surrounded by the waters of Lake Wright Patman. Thus, wave action is causing significant erosion; specifically, along the northern and western banks of the landform (Figure 3) with eroded banks measuring up to one meter in height. On the other hand, the eastern and southern portions of the landform are lower in elevation and susceptible to inundation through the raising and lowering of the lake's water level (Figure 4). Vegetation across the site consists of hardwoods (e.g., oak and willow trees) with an understory composed of shrubs and buttonbush, which line the eastern and southern banks. Ground surface

Figure 3. View of 41CS125's western shoreline, photographed facing north.

Figure 4. Setting within the southern portion of 41CS125, photographed facing east.

visibility is excellent (100 percent) along most of the shoreline, while visibility in the interior is greatly hampered by leaf litter. Soils consist solely of Bibb fine sandy loam with an A-horizon that extends to a depth of 30 centimeters below surface (cm bs) underlain by a Cg-horizon characterized by long periods of saturation (30-97 cm bs). Based on shovel test data this soil unit is characterized by brown (10YR 5/3) to dark brown (10YR 3/3) sandy loam (0-60 cm bs) underlain by grayish-brown (10YR 5/2) clayish sand (60-80 cm bs).

During the 2017 survey, the shoreline was visually inspected and a sample of surface artifacts was collected. To identify concentrations of artifacts and activity areas the shoreline was arbitrarily divided into nine areas, of varying lengths (Areas 1-9; Figure 5). Collected artifacts were grouped into these predefined areas. Cultural materials collected from the surface include lithic debitage, lithic tools, dart points (Figure 6), arrow points (Figure 7), a pitted stone, a celt fragment, fire-cracked rock (FCR), undecorated ceramic sherds, decorated ceramic sherds, burned clay, fragmented unidentified bone, and domestic historic materials. Table 2 quantifies the results of the surface collection along the shoreline of 41CS125. Based on these results, the highest concentration of artifacts exists along the northern and western shorelines of the site in Areas 1, 2, 3, 4, and 9.

Following the pedestrian survey, 140 shovel tests were excavated across the 22-acre site, of which 67 tested positive for cultural materials (Figure 8). Artifacts recovered through shovel testing consisted of lithic debitage (n=239), bifaces (n=2), projectile points (n=3; Figure 9), ground stone (n=2), FCR (n=2), a ceramic bead (Figure 10), ceramic sherds (n=79), burned clay, unidentified fragmented bone (n=15), burned nutshell (n=3), riverine shell fragments (n=2), and a piece of clear vessel glass. Ninety-one percent of the artifacts were recovered from the upper 40 cm bs. An assessment of artifact density by shovel test shows an increase in artifacts in buried deposits at the northern and western portions of the site (Figure 11), which coincides with the results of the shoreline pedestrian survey.

Three midden-like features were also documented during the investigations of 41CS125 (see Figure 8). Features 1 and 2 are eroded middens characterized by dark-colored soil located at the

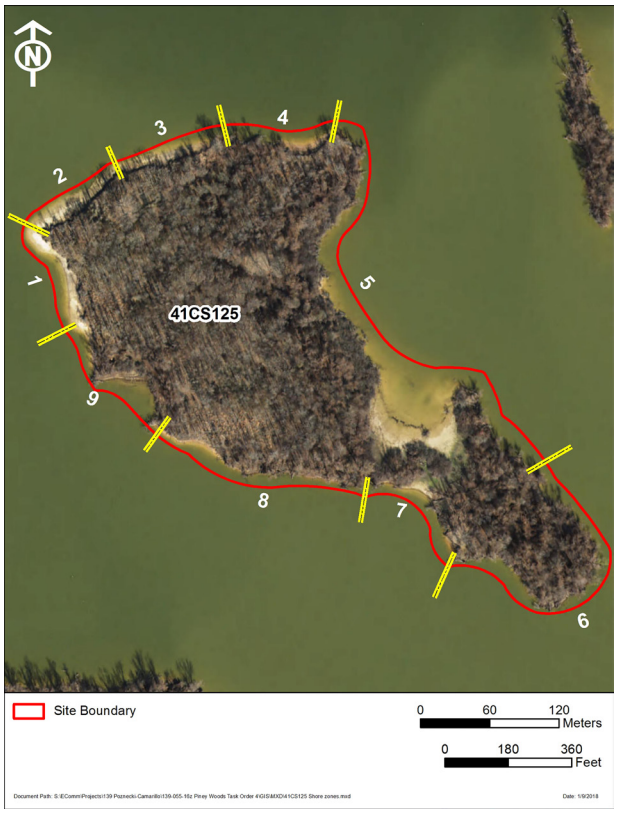

Figure 5. Arbitrarily defined shoreline areas, which aided in the collection of artifacts at 41CS125.

northern extent of Area 1 (Figure 12). The features measured three meters (north to south) by one meter (east to west) and one meter (north to south) by eight meters (east to west) respectively. An inspection of the subsurface sediments revealed that the dark-colored soil is ephemeral and does not extend below the surface. While artifacts were observed mixed in with the dark-colored soil, there appeared to be no difference in frequency when compared to the rest of the shoreline. These may be the remnants of trash middens, a deliberate accumulation of deposits consisting of copious amounts of organic remains (e.g., charcoal, faunal, nut shell, etc.) and discarded artifacts (e.g., ceramic sherds, lithic debitage, broken stone tools, etc.), that have since eroded away through wave action.

Feature 3 is a midden characterized by a concentration of surface artifacts measuring approximately two meters in diameter. Artifacts observed on the surface consisted of lithic debitage, ceramic sherds, a celt fragment, and domestic historic materials. Shovel Test BN-20 was excavated at the edge of the midden. The shovel test had a yellow brown

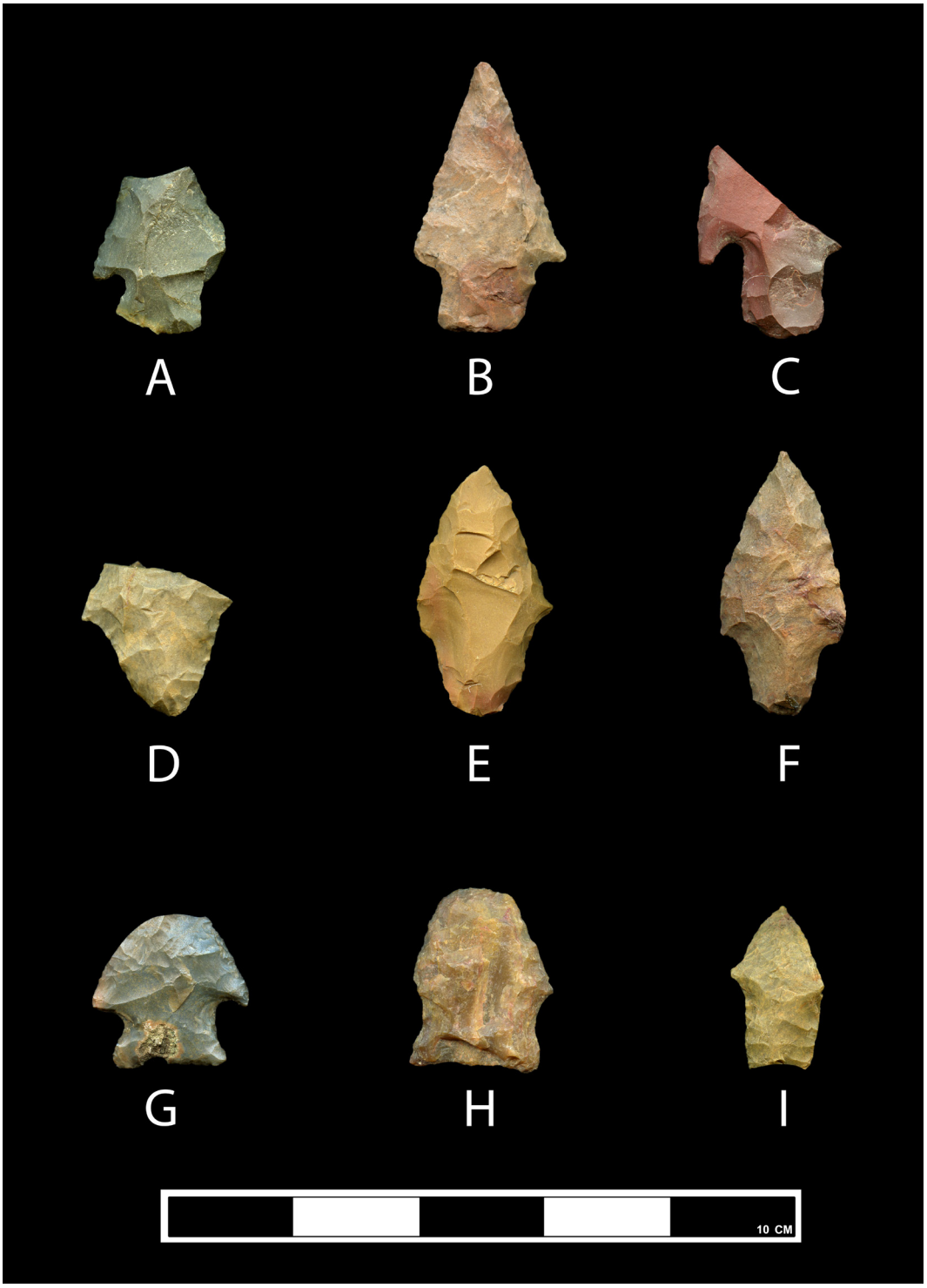

Figure 6. Dart points collected from the surface during the pedestrian survey: A) unidentified Archaic-age projectile point (Area 1); B) unidentified Archaic-age projectile point (Area 2); C) unidentified Archaic-age projectile point (Area 2); D-E) cf. Gary (Area 6); F) cf. Gary (Area 7); G) cf. Edgewood (Area 9); H) cf. San Patrice (Area 9); and I) cf. Gary (Area 9).

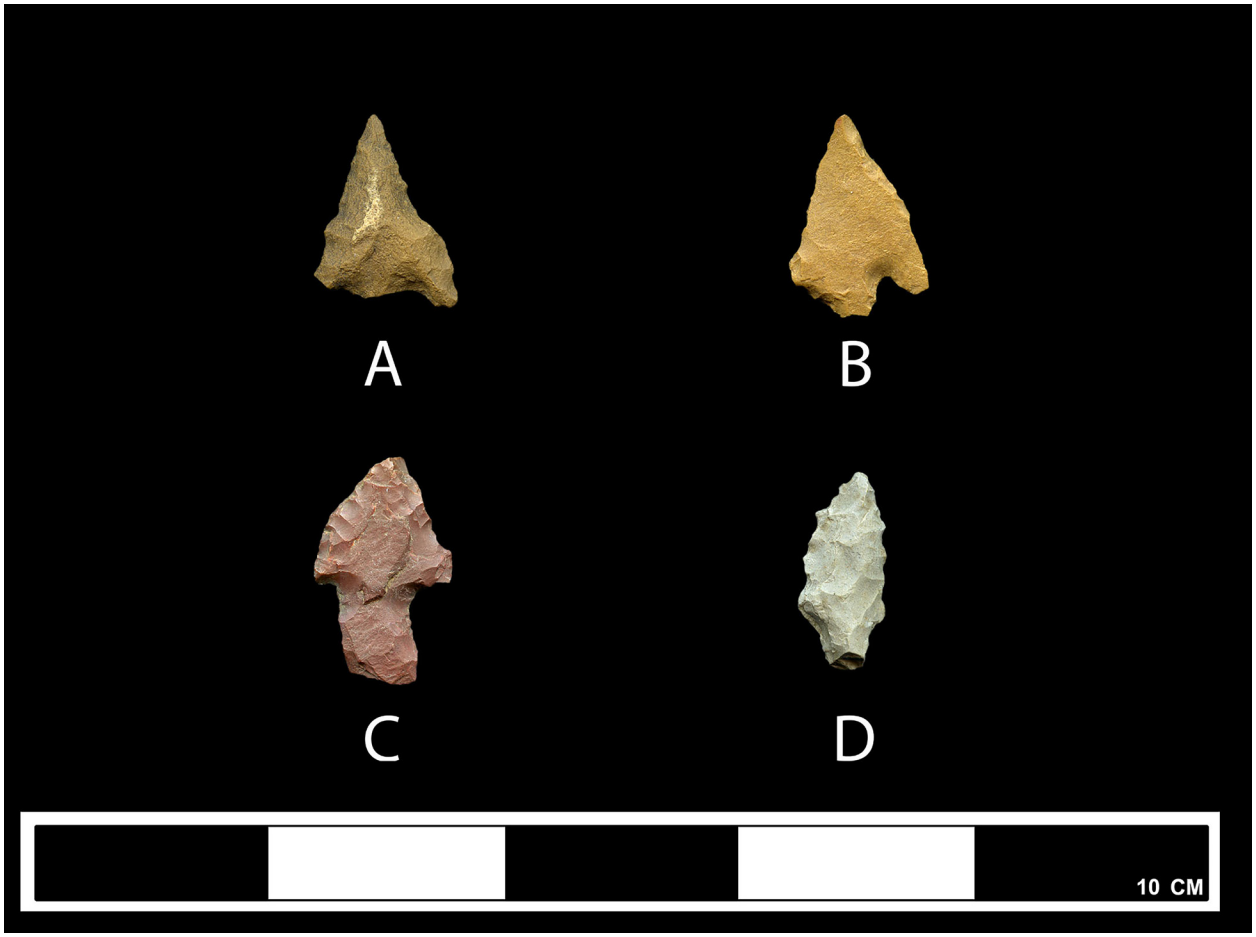

Figure 7. Unidentified ancestral Caddo arrow points collected from areas: A) Area 3; B) Area 4; and C-D) Area 9.

Area	LD	LT	PP	PS	CF	FCR	UCS	DCS	BC	FUB	HM	Total
1	77	8	1	1	0	0	102	22	0	4	3	**218**
2	87	5	2	1	0	0	43	14	0	15	1	**168**
3	159	4	0	0	0	0	141	34	0	6	0	**344**
4	84	6	1	0	1	0	118	28	2	2	34	**276**
5	8	1	1	0	0	0	5	0	0	0	7	**22**
6	3	1	2	0	0	0	0	0	0	0	0	**6**
7	20	0	2	0	0	2	0	0	0	0	5	**29**
8	19	0	0	0	0	0	31	4	0	0	1	**55**
9	147	4	5	0	0	0	173	94	0	10	7	**447**
Total	604	29	14	2	1	2	613	196	2	37	58	**1,565**

Table 2. Artifacts Recovered During Pedestrian Survey of the Shoreline at 41CS125. LD: Lithic Debitage; LT: Lithic Tool (Bifaces and Projectile Point Fragments); PP: Projectile Point; PS: Pitted Stone; CF: Celt Fragment; FCR: Fire-Cracked Rock; UCS: Undecorated Prehistoric Ceramic Sherd; DCS: Decorated Prehistoric Ceramic Sherd; BC: Burned Clay; FUB: Fragmented Unidentified Bone; and HM: Historic Material.

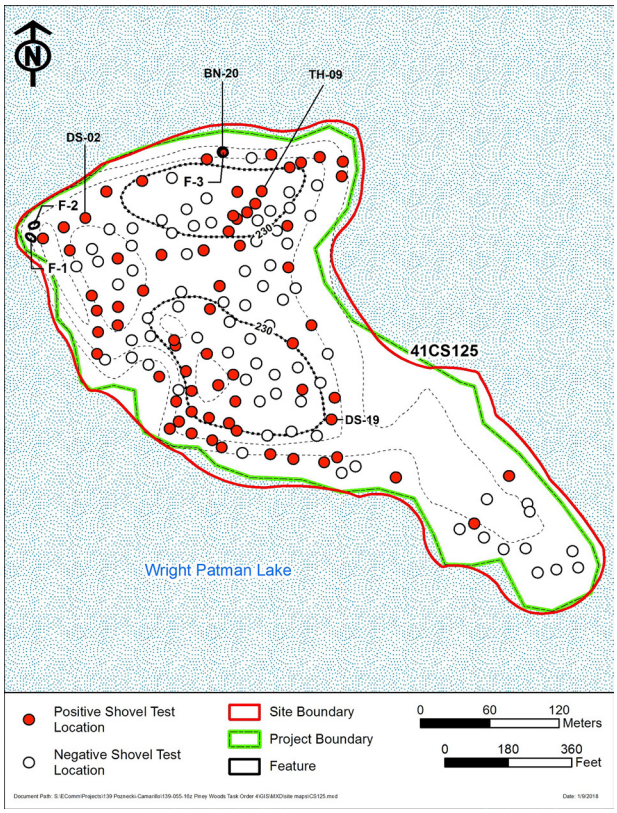

Figure 8. Site map depicting positive and negative shovel tests at site 41CS125.

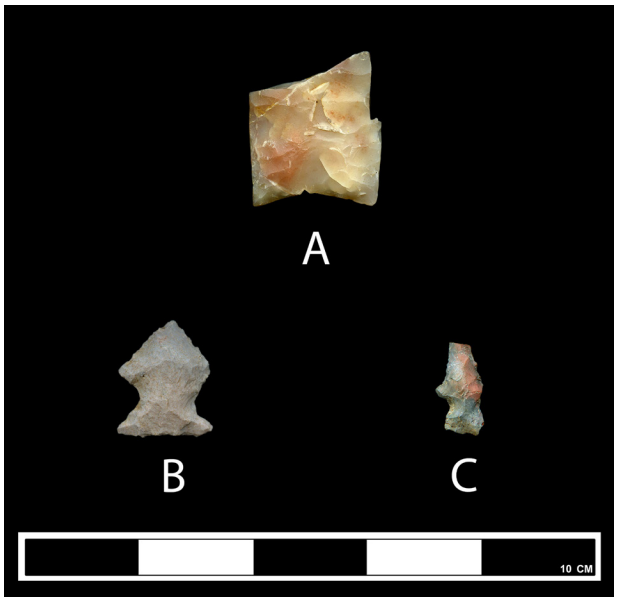

Figure 9. Projectile points recorded during shovel testing: A) a dart point base likely dating to the Paleoindian period recovered from Shovel Test DS-19 (20-40 cm bs); B) an unidentified arrow point found in Shovel Test TH-09 (20-40 cm bs); and C) unidentified arrow point collected from Shovel Test DS-02 (40-60 cm bs).

(10YR 5/6) sandy loam (0-15 cm bs) underlain by dark brown (10YR 4/3) sandy loam (15-33 cm bs) overlying gray clay with strong brown mottles. The upper 20 cm bs contained ancestral Caddo ceramic sherds (n=2) and a single piece of lithic debitage, while between 20 and 35 cm bs archeologists observed a high frequency of prehistoric cultural materials, which included ancestral Caddo ceramic sherds (n=18), lithic debitage (n=25), unidentified bone (n=4), and a shard of clear glass. The high concentration of prehistoric cultural material associated with the dark colored subsoil suggests that the midden, or at least a portion of it, remains intact.

Ancestral Caddo Ceramic Analysis

Ancestral Caddo ceramic sherds are common in both shovel tests (n=79) and surface collection areas (n=809) at 41CS125. A total of 888 ceramic sherds are in the 2017 assemblage from the site (Appendix A). The mean density of ceramics in the 21 shovel tests with ancestral Caddo ceramics at the site is 3.8 (ranging from 1-16 sherds); the highest density of ceramic vessel sherds is in ST BN-20 (n=16) and ST-BN 21 (n=14) in the northeastern part of the site.

In the shoreline areas at 41CS125, the highest densities of ceramic vessel sherds are in Areas 9 (n=281) and 3 (n=202), followed by Areas 4 (n=128) and Area 1 (n=124) (see Appendix A and Figure 5). These are contiguous areas on the western (Areas 1 and 9) and northern (Areas 3 and 4) parts of the alluvial terrace landform or island.

About 95 percent of the ceramic vessel sherds in the shovel tests and surface collection areas are from vessels tempered with grog, either as the sole temper (72 percent), or in combination with burned bone (17.5 percent), hematite (4.2 percent), or bone and hematite (1.0 percent). Approximately 5.0 percent of the sherds are from vessels tempered only with burned bone (see Appendix A). The highest proportions of grog-bone-tempered, grog-hematite-tempered, and bone-tempered sherds are in Areas 3 and 4, while the highest proportion of sherds from grog-tempered vessels are in Areas 1, 2, and 9.

Considering the assemblage as a whole, there are 686 plain rim, body, and base sherds and 202 decorated rim and body sherds. The plain to decorated

Figure 10. A fragmented ceramic bead recovered from Shovel Test DS-02 (40-60 cm bs): A) interior view; B) exterior view; and C) view of hole opening.

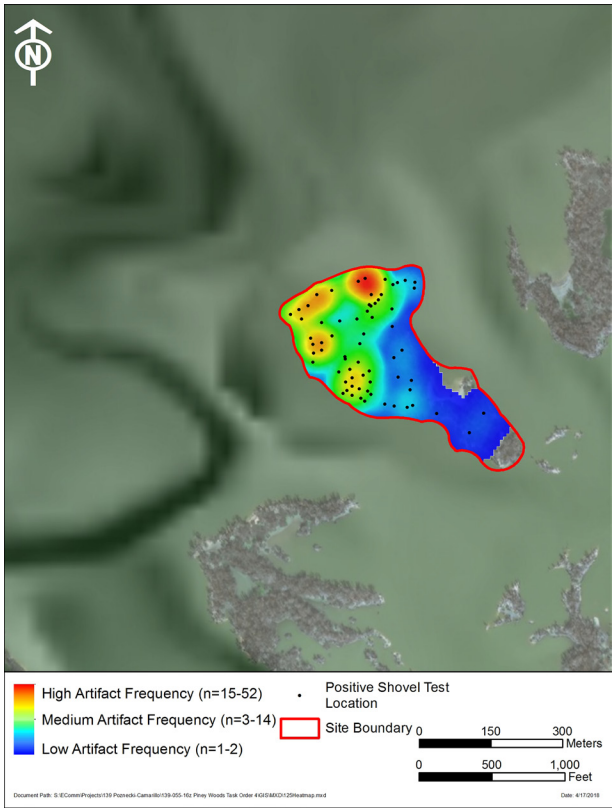

Figure 11. A heat map depicting shovel test artifact density at 41CS125.

Figure 12. Localized areas of dark-colored soil recorded as middens located at the northern end of Area 1: A) Feature 1, photographed facing north; and B) Feature 2, photographed facing west.

sherd ratio is 3.40 for the entire assemblage, but ranges from 1.96 in Area 9, 3.57 in Area 4, 4.94 in Area 3, and 5.20 in Area 1. These differences in plain to decorated sherd ratios suggest that Areas 1 and 3 in the northern and northwestern parts of the site (see Figure 5) (with ratios of 5.09-5.20) may have the earliest ancestral Caddo archaeological deposits, while the latest Caddo occupational materials may be in Areas 8 and 9 (with ratios of 1.96-2.00) in the southern and southwestern parts of the site (see Figure 5).

The sherds from decorated ceramic vessels at 41CS125 are dominated by utility wares, as they comprise 75.7 percent of the decorated sherd sample, and only 24.3 percent of the decorated sherds are from fine wares (Appendix B). About 71 percent of the decorated rim sherds are also from utility ware vessels.

Among the utility wares (n=153), more than 41 percent are from vessels with incised decorative elements. Other common utility wares have incised-punctated (6.9 percent), parallel brushed (6.9 percent), and appliqued (6.4 percent) elements. Overall, almost 15 percent of the decorated sherds from 41CS125 have brushed elements, either as the sole decoration or in combination with appliqued, incised, incised and appliqued, punctated, punctated and incised, and punctated and lip notched decorative elements; 19.7 percent of the utility wares have brushed elements (see Appendix B).

Sherds with appliqued and appliqued-incised decorative elements (see Appendix B) have either parallel or straight appliqued fillet or ridge elements; one body sherd has parallel incised lines adjacent to appliqued ridges. These appliqued body sherds are likely from post-A.D. 1400 McKinney Appliqued, Nash Neck Banded, or Cass Appliqued jars in a Texarkana phase component at 41CS125. In the surface collections from the site, appliqued sherds are proportionally most common in Area 4 (17.9 percent of the decorated sherds in this assemblage) and Area 9 (7.4 percent).

The recovery of brushed sherds, and sherds with brushed-appliqued, brushed-incised, brushed-incised-appliqued, brushed-punctated, brushed-punctated-incised, and brushed-punctated-lip notched decorative elements (see Appendix B), from 41CS125 is indicative of a post-A.D. 1200 or post-A.D. 1400 occupation, given the beginning use of brushing as a decorative element in East Texas Caddo ceramics after that time (Perttula 2015a). The various brushed sherds are from Pease Brushed-Incised (Figure 13a) and Karnack Brushed-Incised (see Figure 13b, g) vessels. Sherds with brushed decorative elements, or combinations of decorative elements are proportionally most common in Areas 3 and 4, except sherds with brushed-punctated elements, which are most common in Areas 9 and 1; located in the northern and western parts of the site shoreline collection areas.

The most distinctive of the incised sherds in the 41CS125 ceramic assemblage are rim and body sherds from Coles Creek Incised, *var. Campbellsville* (Figure 14a-b) and *var. Mott* vessels. The *var. Campbellsville* sherds have one or two well executed lip lines on a flat lip, while the *var. Mott* sherds have between two and more than eight overhanging horizontal incised lines (see Figure 14a-d, see also Brown 1988:8). Coles Creek Incised rim and body sherds are present in Areas 3, 4, and 9 at 41CS125. Both varieties of Coles Creek Incised date from ca. A.D. 850-1000, a period of time when Coles Creek Incised sherds are present in certain sites in East Texas, southwest Arkansas, and northwest Louisiana (see Girard 2014: Figure 11), in association with Formative Caddo utility ware and fine ware ceramics. At Lake Wright Patman, Coles Creek Incised sherds and vessels occur in both Late Woodland and Formative/Early Caddo period contexts, most notably at the Snipes site (41CS8, see Jelks 1961; Sitters and Perttula 2017) and the Atlanta State Park or Armstrong Landing site (41CS37, see Harris et al. 1980).

Other incised sherds with horizontal incised lines, but not overhanging, are likely from the ancestral Caddo type Davis Incised (Figure 15a, e). Other rim sherds are from Dunkin Incised vessels with cross-hatched or diagonal incised elements (see Appendix B). There are Crockett Curvilinear Incised vessel sherds in the assemblage that have curvilinear hatched zones, horizontal and diagonal incised lines, and horizontal incised lines and a vertical hatched triangle zone (see Figure 15c, f); Crockett Curvilinear Incised sherds are present in Areas 3 and 9.

Among the sherds from incised-punctated vessels is a rim sherd from a Crockett Curvilinear Incised or Pennington Punctated-Incised vessel with cane punctated rows beneath horizontal incised lines

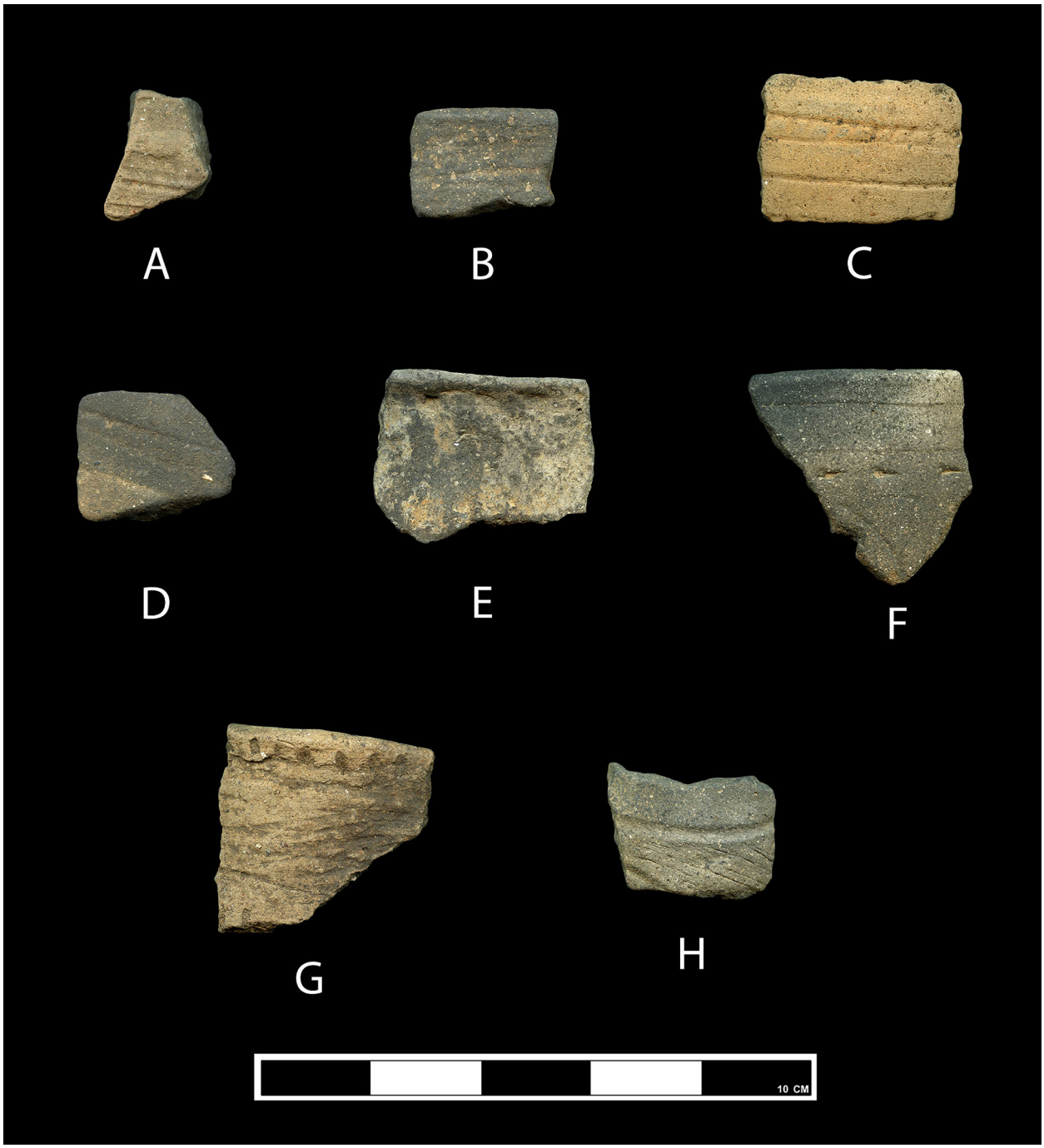

Figure 13. Selected decorated sherds from the Late Caddo period component at 41CS125: A) Pease Brushed-Incised; B) Karnack Brushed-Incised; C-D) Barkman Engraved; E) Nash Neck Banded; F) Barkman Engraved; G) Karnack Brushed-Incised; and H) Hudson Engraved.

(see Figure 15i), and a Weches Fingernail Impressed rim sherd with a horizontal incised line below a fingernail punctated row (see Figure 15j). Another incised-punctated sherd has diagonal incised lines beneath a row of tool punctations at the lip (see Figure 15b). Incised-punctated sherds are proportionally most common in Areas 1 and 3 and may mark, along with Areas 2 and 4, the core part of the Formative Caddo occupation at 41CS125.

Three of the decorated sherds in the 41CS125 sample are from grog-tempered Nash Neck Banded vessels (see Figure 13e). Such vessels were commonly

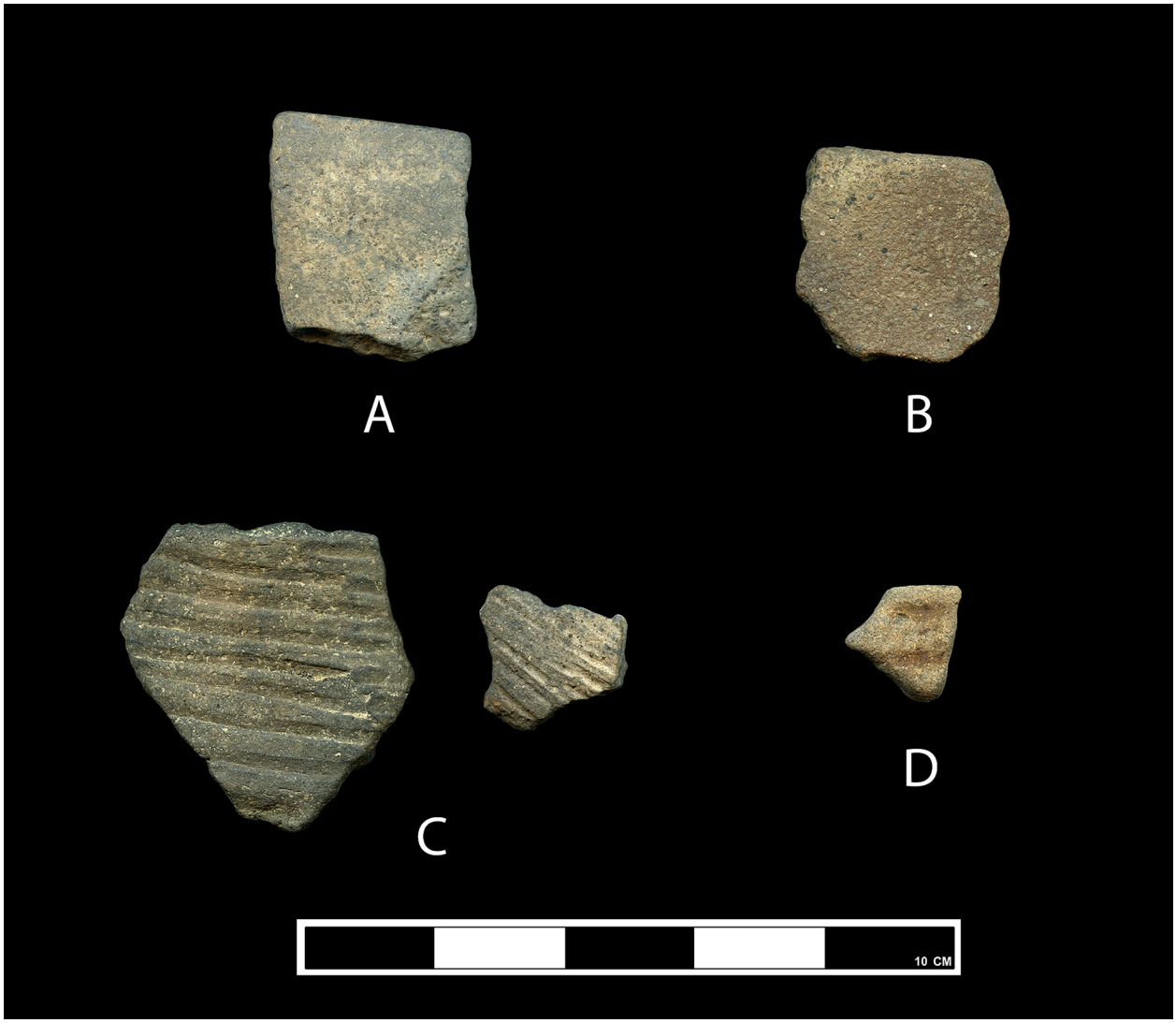

Figure 14. Coles Creek Incised sherds from site 41CS125.

manufactured and used by Texarkana phase communities on the Red and Sulphur rivers in East Texas. Nash Neck Banded sherds are present in Areas 1, 2, and 9 of the surface collections at the site.

The punctated rim and body sherds from 41CS125 were made with a cane (see Figure 15g, right), a Formative to Early Caddo punctated style, fingernails, or tools (see Appendix B and Figure 15g, left); about 4.5 percent of the decorated sherds in the assemblage have punctations.

The fine ware sherds at 41CS125 have engraved, engraved-punctated, excised, and trailed-incised decorative elements (see Appendix B). Among the earliest of the engraved wares is a body sherd from a Spiro Engraved vessel with curvilinear engraved lines and hatched triangle elements (see Figure 15h); this sherd is part of the Formative Caddo component at the site. So too are Hickory Engraved rim and body sherds with horizontal engraved lines (see Figure 15d).

Post-A.D. 1400 engraved and engraved-punctated sherds in the assemblage, particularly those recovered in Area 9 in the surface collections, include rim and body sherds from Barkman Engraved carinated bowls (see Figure 13c-d, f); this area may be the focus of the Late Caddo period Texarkana phase occupation at 41CS125. They have parallel engraved lines and a narrow-hatched zone, rectilinear hatched engraved zones, and horizontal engraved lines above excised punctated rows. Based on comparisons with the decorated ceramics from stratified mound zones at

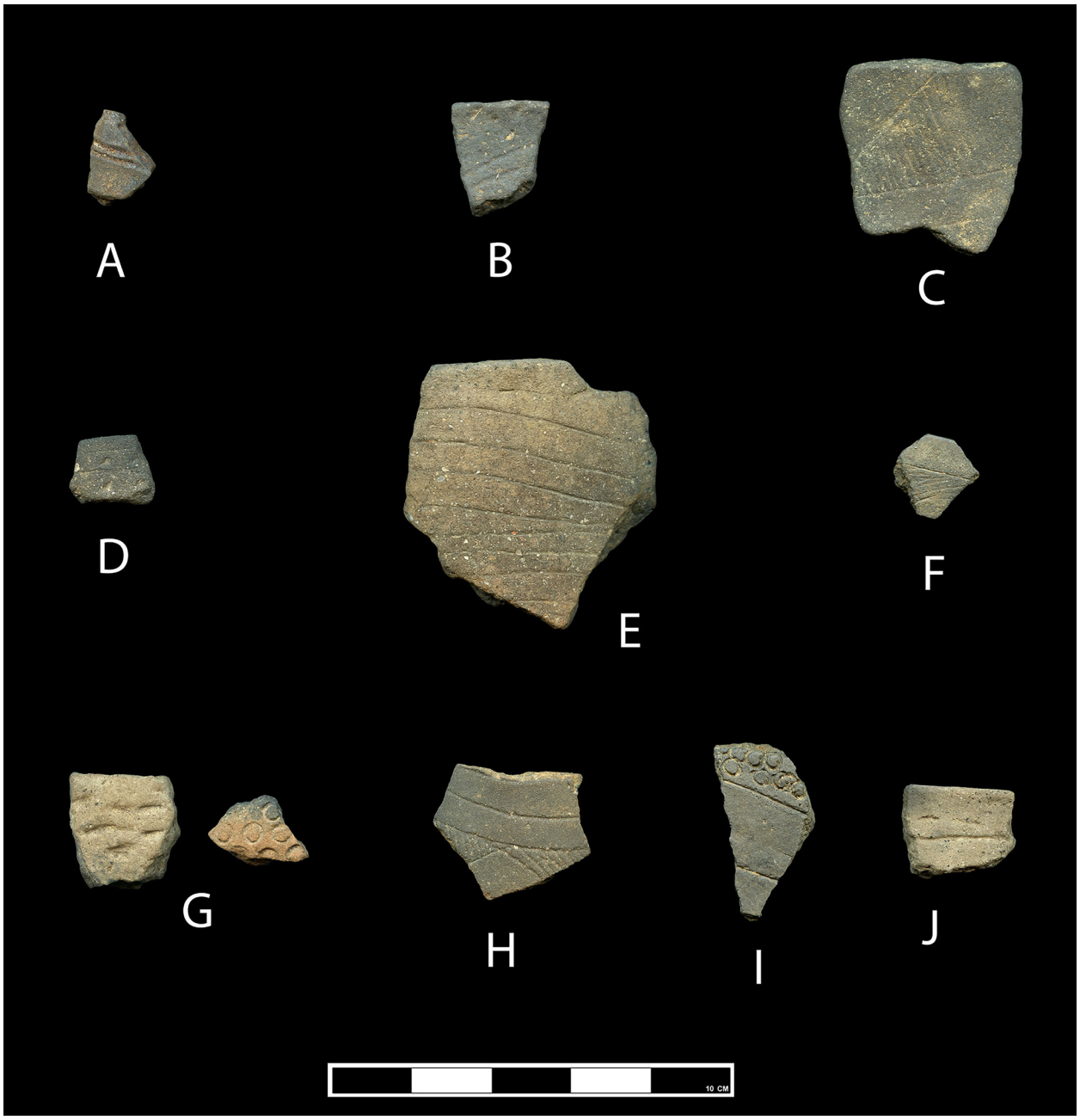

Figure 15. Selected decorated sherds from the ca. A.D. 850-1000 ancestral Caddo component at site 41CS125: A) Davis Incised; B) incised-punctated; C) Crockett Curvilinear Incised; D) Hickory Engraved; E) Davis Incised; F) Crockett Curvilinear Incised; G) left, tool punctated; right, cane punctated; H) Spiro Engraved; I) Crockett Curvilinear Incised or Pennington Punctated-Incised; and J) Weches Fingernail Impressed.

the Hatchel (41BW3) site (Perttula 2018), such vessels are apparently most common in ca. A.D. 1400-1550 Texarkana phase contexts in the Red and Sulphur River basins.

Two sherds have excised elements (see Appendix B), where the surface of a vessel was deliberately scraped away to form part of the decorative element. One sherd from a Barkman Engraved carinated bowl has a row of excised punctations at the carination. The other, from ST DS-03, 20-40 cm bs, has a curvilinear excised area that has been rubbed with a red hematite-rich pigment.

The last of the Late Caddo period fine ware sherds from 41CS125 has broad curvilinear trailed lines

forming a zone filled with hatched incised lines (see Figure 13h). This sherd is from a Hudson Engraved vessel (see Suhm and Jelks 1962:Plate 41b-c). At the Hatchel site, Hudson Engraved vessels are found in post-A.D. 1650 contexts (see Perttula 2018).

There is also a ceramic sherd collection from 41CS125 held by the Texas Archeological Research Laboratory (TARL); the collection was donated by Janson McVay. In a 1966 letter, McVay noted that he had recovered 46 ceramic vessels, two clay elbow pipes, parts of three long-stemmed Red River pipes, one celt, three bone pins, and nine arrow points, including one of the Bassett type, from the 41 burials he and several other Texarkana collectors excavated at the site (Perttula 2015b). The fact that both elbow pipes and long-stemmed Red River styles pipes were among the funerary offerings in the burials, along with one Bassett arrow point, indicates that the burials at the 41CS125 were interred both before and after ca. A.D. 1400.

The sherd collection from 41CS125 at TARL includes 129 plain rim, body, and base sherds and 54 decorated rim and body sherds from utility ware and fine ware sherds (Table 3). About 84 percent of the sherds are from grog-tempered vessels and the remaining 16 percent are from bone-tempered vessels.

Almost 70 percent of the decorated sherds (n=37) are from utility ware vessels (Appendix C). Many of these have brushed decorations, either as the sole decorative element (n=12, 32 percent of the utility ware sherds) or in combination with appliqued (n=2), incised (n=1), lip notching (n=1), or punctated (n=1). These sherds with brushed and other decorative elements comprise another 13.5 percent of the utility ware sherds from 41CS125. These sherds are likely from Pease Brushed-Incised jars. Other common utility ware decorative methods are incised (n=9, 24 percent of the utility ware sherds), appliqued (n=5, 13.5 percent), and neck banded (n=2, 5.4 percent). The neck banded sherds are from Nash Neck Banded jars while the appliqued sherds are probably from the bodies of McKinney Plain jars.

The fine ware sherds from 41CS125 in the TARL collections all have engraved decorative elements. They include a body sherd from a Hatchel Engraved bottle with oval panels filled with concentric semi-circles; the panels are divided by bracket elements

Ware	Grog	Bone	N
Plain	105	24	129
Utility	33	4	37
Fine	15	2	17
Totals	153	30	183

Table 3. Ceramic Assemblage from Site 41CS125 in the TARL Collections.

with a series of embedded negative ovals (Figure 16a). Other engraved bottle sherds have curvilinear lines, as well as horizontal and vertical lines (Figure 16g). The remainder of the engraved sherds from the site are from carinated bowls (Figure 16b-f).

Among the engraved carinated bowl sherds is a rim with a cross-hatched zone below two horizontal lines on the panel (see Figure 16b), as well as a Barkman Engraved sherd with a horizontal scroll marked by narrow hatched zones and a ticked horizontal line above the carination (see Figure 16c). Two other sherds have slanting scroll motifs with excised or hatched triangle elements (see Figure 16d-e), while another has a concentric semi-circle element (see Figure 16f).

Based on the ceramic sherds in the McVay collection, a principal Caddo occupation at 41CS125 appears to have been during the early part of the Late Caddo period (ca. A.D. 1400-1550), during the Texarkana phase. This is based on the proportion of brushed utility wares, as well as the occurrence of defined types such as Barkman Engraved, Cass Appliqued, Hatchel Engraved, McKinney Plain, Nash Neck Banded, and Pease Brushed-Incised (see Perttula 2018). Comparable Late Caddo period ceramics are abundant in the 2017 surface collection at 41CS125; specifically, in Areas 1, 2, 3, 4, and 9. While there are no clear Formative Caddo (ca. A.D. 850-1000) ceramics in the TARL collection, except for a cane punctated sherd, utility ware and fine ware sherds belonging to this component are present from Areas 1, 3, 4, and 9.

A single tubular-shaped ceramic bead was recovered from ST DS-02, 40-60 cm bs, located at the northern end of the site. The fragment is 25.0+ millimeters in length, 18.7 millimeters in width, and has a 2.8 millimeters drill hole (see Figure 10).

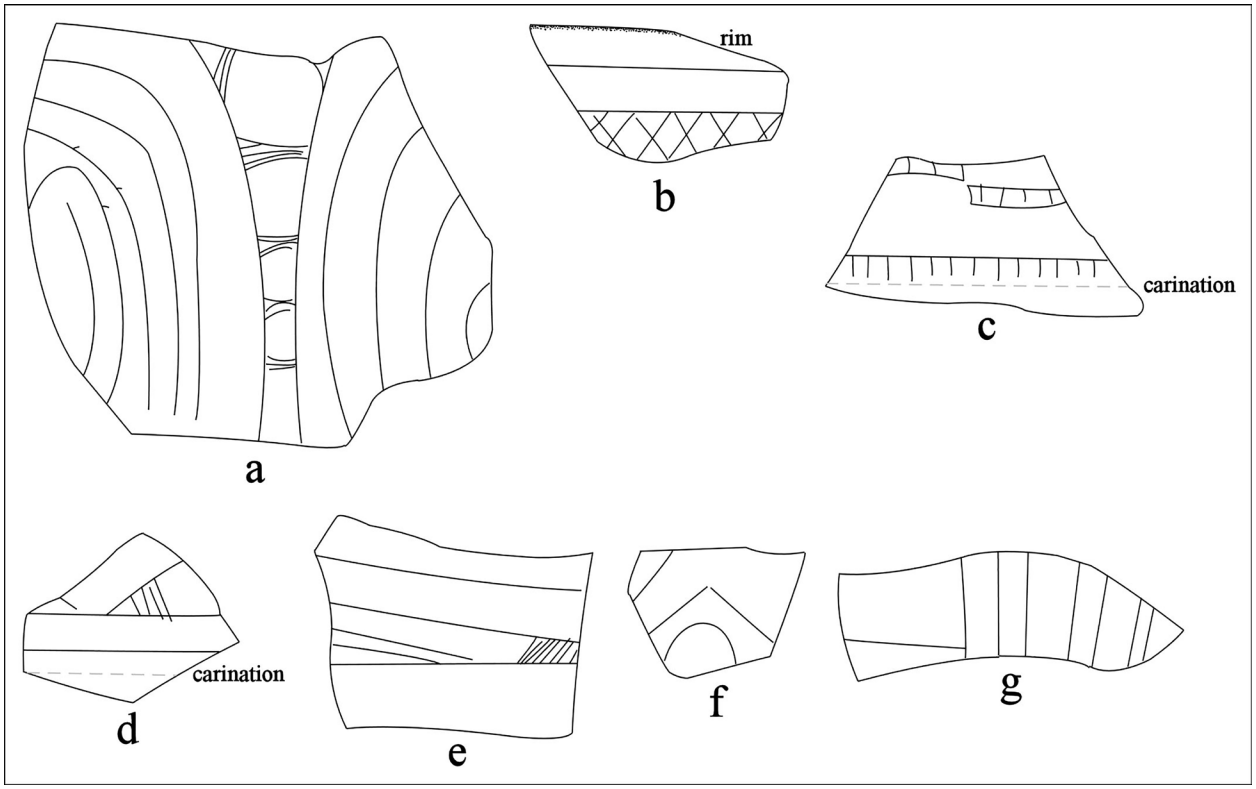

Figure 16. Selected decorative elements in fine ware sherds from the McVay collection at 41CS125: A) Hatchel Engraved bottle sherd; D-F) engraved carinated bowl sherds; and G) engraved bottle sherd.

Ceramic beads as ornaments are rare in the Caddo archeological record in East Texas and Northwest Louisiana (Table 4), and only 14 sites have been identified in a review of the published literature. These 24 beads are both tubular and disc-shaped, and are plain, except for the large "egg-shaped" bead from the Pine Tree Mound site (41HS15) with four sets of incised circles on the body (Fields and Gadus 2012:544-545 and Figure 6.75a-d).

The ceramic beads occur in Formative Caddo (ca. A.D. 850-1000), Middle Caddo (ca. A.D. 1200-1400), and Late Caddo (ca. A.D. 1400-1680) period assemblages, almost always in habitation contexts, and most commonly in Late Caddo period components. More than half of the ceramic beads are from Late Caddo period contexts. Spatially, the beads are found on sites in the Red River (n=2), Sabine River (n=3), upper and lower Sulphur (n=4), Big Cypress (n=2), and the Neches-Angelina River (n=3) basins.

There are two pieces of burned clay in the 41CS125 artifact assemblage collected during the 2017 work. One is from ST TH-20, 20-40 cm bs, and the other was collected from Area 3.

Historical Research

The historic-period component of site 41CS125 is part of what was once known as Green Farm, presumably named for a family by the name of Green who owned the property during the nineteenth century. However, deed records documenting a Green family as owners of this property were not found. The earliest deed record located was that documenting a sale of the land from a firm of Morriss and King to J.D. Wilson. Abner Darden Morriss, James Edgar King, and Charlie King were merchants who built a general store at the turn-of-the-century in the timber town of Munz City, north of State Highway 77 near Farm-to-Market 994. Edgar King was also the town's first postmaster in 1905 (Alford 2010). Morriss and the Kings lived in Munz City and deed records suggest they owned numerous tracts of land around the Sulphur River, likely used as tenant farms and for timber sales.

J.D. Wilson only owned the property for three years before selling it back to Morriss and King in 1920. Eventually, Abner Morriss' son, Berry, sold the land to Chappell Heath, who was related to the Morriss family

Site	No. of beads	Reference	Age
16BO236	n=1	Kelley 1997	Late Caddo period
16DS268	n=4	Girard 2014; Jensen 1968	Formative Caddo period
41CE19	n=3	Newell and Krieger 1949	Early Caddo period
41CS125	n=1	This article	possible Formative Caddo period
41HP175	n=1	Fields et al. 1993	Late Caddo period
41HP237	n=2	Perttula 2009	Late Caddo period
41HP240	n=3	Perttula 2009	Late Caddo period
41HS15	n=1	Fields and Gadus 2012	Late Caddo period
41HS240	n=1	Perttula and Nelson 1999	Middle Caddo period
41NA236	n=1	Perttula 2002	Late Caddo period
41RR16	n=1	Perino 1983	Late Caddo period
41SM244	n=2	Walters and Perttula 2016	Middle Caddo period
41SM446	n=2	Perttula 2017	Late Caddo period
41UR17	n=1	Turner 1997	Middle Caddo period

Table 4. Caddo sites in Northwest Louisiana and East Texas with ceramic beads.

by marriage (Berry's sister married a Heath; Find-a-Grave 2018). Heath then sold the farm in 1947 to his brother A.O. Heath. None of these landowners lived on the property.

A 1907 topographical map suggests that a house was present at this site at that time, and that it overlooked a natural oxbow of the Sulphur River called "Pine Lake" (Figure 17a). It is possible that this house was part of the old Green Farm. An aerial photograph of the site from 1953 (see Figure 17b) shows that it was a cleared pasture at that time. A possible structure is visible just outside the northern boundary of the site in an overgrown clearing.

Historic-era artifacts from the site included embossed whiteware, banded whiteware, a fragment from a brown-glazed stoneware crock, a milk glass canning jar lid fragment, amethyst glass shards, brown vessel glass shards, and a china doll leg fragment. Of the 60 historic artifacts recovered, 55 were from the surface collections and only five were from shovel tests. More than half of all historic artifacts (58 percent) were recovered from Area 4 at the northern tip of the island. These items are typical of rural households from the late nineteenth through early twentieth centuries, and likely represent occupation of the Green Farm from the time prior to the Morriss and King period of ownership. The artifacts likely pertain to a tenant occupation.

Summary and Conclusions

Site 41CS125 is an ancestral Caddo site that was occupied extensively during both the Formative to Early Caddo and Late Caddo periods The Late Caddo period component is the principal Caddo occupation documented at the site and is associated with the Texarkana phase in the Red and lower Sulphur River basins. There are no defined phases in the regionally established cultural taxonomy for Red and lower Sulphur River Formative/Early Caddo period cultural groups in this part of East Texas, but the Formative/Early Caddo period component at the site is contemporaneous with the Lost Prairie phase in the Great Bend of the Red River (Schambach 1982). Projectile points recovered at 41CS125 indicate that the site was also periodically used by Paleoindian, Archaic, and Woodland period groups over many thousands of years.

Once located on an elevated alluvial landform overlooking the Sulphur River to the west, the site is now surrounded by the waters of Lake Wright Patman. As a result, the site has been adversely affected through alluvial erosion. Additionally, the site was extensively looted by collectors who excavated a number of ancestral Caddo burials in the 1950s and 1960s. The recent investigations at the site (Sitters and Perttula 2018) have revealed intact deposits, features, and a large, diverse assortment of artifacts, primarily associated with the ancestral Caddo occupations. The highest frequency of artifacts and features were observed along the site's northern and western boundary. To prevent further erosion, the USACE has lined the banks of the site with riprap.

While no additional work is currently planned at the site given that it is on USACE lands, one future avenue of research may include analysis of collections from the site held privately by past collectors. Certainly, however, if 41CS125 is to be adversely affected by future USACE undertakings, investigations at the site should focus on a detailed examination of preserved cultural features such as Feature 3. Preserved faunal and floral remains could be informative on Caddo subsistence strategies, most particularly concerning diachronic changes in the importance of maize consumption, since maize became a dietary staple

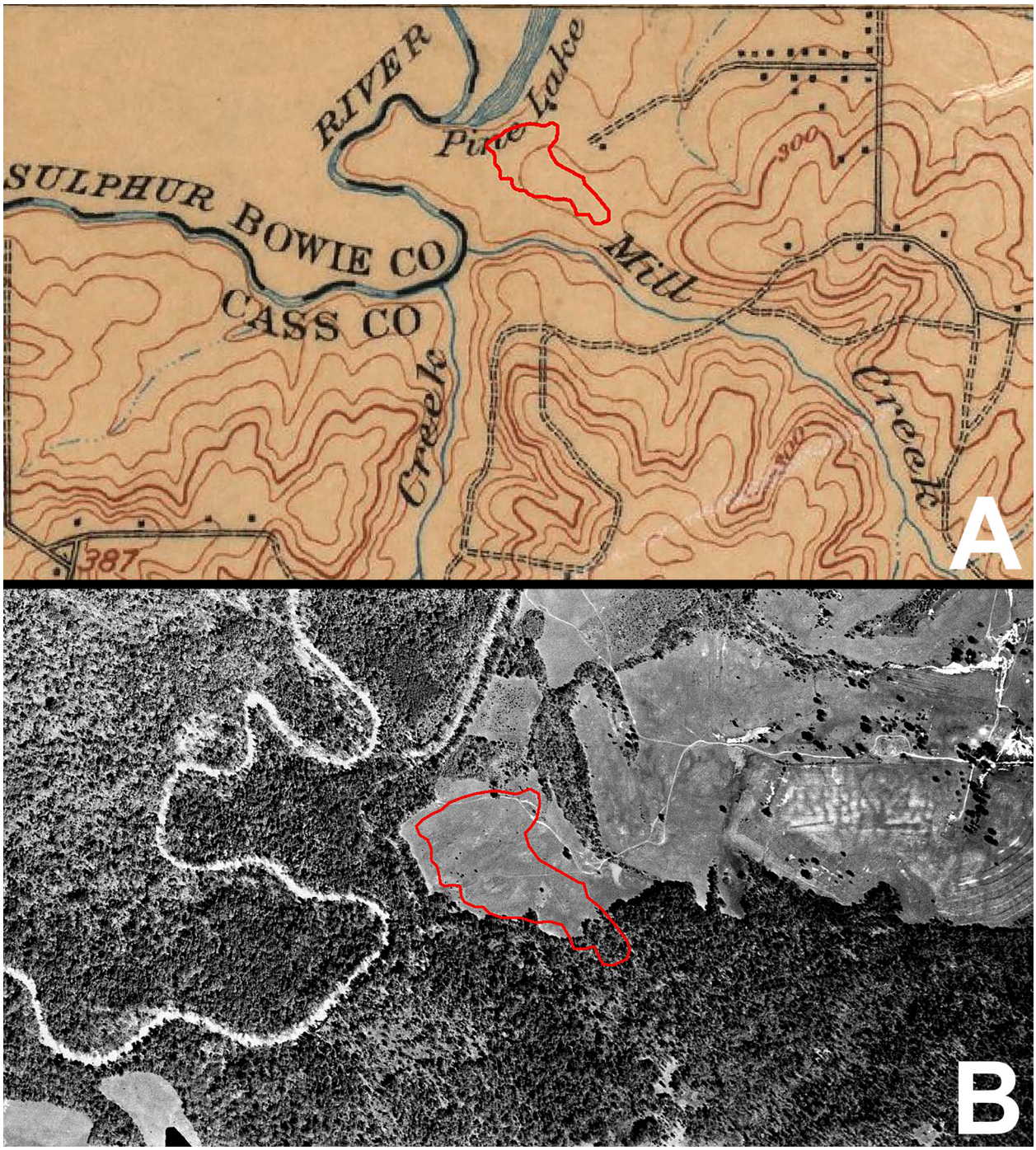

Figure 17. Site 41CS125 depicted on: A) 1907 Atlanta, TX topographic map; and B) 1953 aerial photograph.

for Caddo groups after ca. A.D. 1200/1300. Provided radiocarbon dates can be obtained from controlled contexts, such as the burned nutshell collected during shovel testing, at the site, questions of settlement and subsistence can be best explored in conjunction with the detailed study of the material culture record to better understand the technological, functional, and stylistic character of the assemblage (including petrographic analysis, instrumental neutron activation analysis, and organic residue studies), and if there is evidence for trade/exchange between the ancestral Caddo peoples living at 41CS125 and other contemporaneous Caddo or non-Caddo groups.

Acknowledgments

The authors would like to thank Brian Cockrell, archeologist at the U. S. Army Corps of Engineers, Fort Worth District, Piney Woods Project Office, for his continued efforts to preserve the irreplaceable heritage of Texas. We also thank AmaTerra Environmental, Inc., whose data contributed to the publication of this article. Finally, we appreciate the comments on the MS provided by an anonymous peer reviewer. The exceptional fieldwork was carried out by East Texas archeologists Bo Nelson and Truet Hinson.

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Appendix A. Ceramic Sherds from Site 41CS125.

ST	Depth cm bs	G Pl/Dec	G-B Pl/Dec	G-H Pl/Dec	G-B-H Pl/Dec	B Pl/Dec
BN 20	0-20	1/-	-	-	-	1/-
BN 20	20-36	8/2	4/-	-	-	-
BN 21	0-20	1/-	2/1	-	-	-
BN 21	20-40	6/-	3/-	1/-	-	-
BN 29	0-20	1/-	-	-	-	-
BN 32	20-36	1/-	-	-	-	-
BN 33	20-40	1/-	-	-	-	-
BN 34	20-40	1/-	-	-	-	-
BN 35	20-30	1/-	-	-	-	-
BN 56	0-20	1/-	-	-	-	-
BN 57	20-35	-	1/-	-	-	-
DS 1	20-40	4/-	-	-	-	-
DS 2	0-20	1/-	-	-	-	-
DS 2	20-40	-	2/-	-	-	-
DS 2	40-60	-/1	-	-	-	-
DS 3	0-20	1/1	-	-	-	-
DS 3	20-40	2/1	-	-	-	-
DS 4	0-20	3/-	-	-	-	-
DS 4	20-40	-	3/-	-	-	-
DS 4	40-60	-	-	-	-	2/-
TH 9	0-20	-	1/-	-	-	-
TH 13	0-20	-	-	1/-	-	-
TH 15	0-20	1/-	-	-	-	-
TH 20	20-40	2/-	-	-	-	-
TH 21	20-40	5/1	1/-	-	-	-
TH 23	0-20	-/1	-	-	-	-
TH 29	0-20	2/-	-	1/-	-	-
TR 30	0-20	5/-	-	-	-	-

Appendix A. Surface Collection Areas.

Area 1	80/19	17/1	4/-	-	3/-
Area 2	34/11	8/2	1/-	-	1/-
Area 3	105/31	47/2	3/-	1/-	12/1
Area 4	61/18	24/4	4/3	-/2	11/1
Area 5	5/-	-	-	-	-
Area 8	7/4	-	-	-	1/-
Area 9	131/81	29/4	11/8	5/1	10/1
Totals	471/171	142/14	26/11	6/3	41/3

_G=Grog-Tempered; G-B=Grog-Bone-Tempered; G-H=Grog-Hematite-Tempered; G-H=Grog-Bone-Hematite-Tempered; B=Bone-Tempered; Pl=Plain; Dec=Decorated

Appendix B. Decorative methods and elements represented in the 41CS125 ceramic sherd Assemblage.

Decorative Method and Element	Rim	Body	N
Utility Ware			
Appliqued			
parallel appliqued ridges	-	1	1
straight appliqued fillet	-	5	5
straight appliqued ridge	-	7	7
Appliqued-Incised			
appliqued ridges-parallel incised lines	-	1	1
Brushed			
parallel brushed marks	-	14	14
Brushed-Appliqued			
parallel brushed marks-straight appliqued fillet	-	2	2
Brushed-Incised			
horizontal brushed-incised marks and lines	1	-	1
parallel brushed-incised marks and lines	-	5	5
Brushed-Incised-Appliqued			
parallel brushed marks-incised-straight appliqued ridge (Pease Brushed-Incised)	-	2	2
Brushed-Punctated			
horizontal brushed marks-tool punctated row at the lip	1	-	1
horizontal brushed marks-tool punctated row at rim-body juncture	-	1	1
parallel brushed marks-tool punctated row through the brushing	-	1	1
vertical brushed-marks-tool punctated row at rim-body juncture	-	1	1

Decorative Method and Element	Rim	Body	N
Brushed-Punctated-Incised			
parallel brushed marks-tool punctated row-diagonal incised lines	-	1	1
Brushed-Punctated-Lip Notched			
horizontal brushed marks-tool punctated rows through the brushing-lip notched	1	-	1
Incised			
closely-spaced horizontal incised lines	1	-	1
cross-hatched incised lines	1	1	2
curvilinear hatched zone (Crockett Curvilinear Incised)	-	1	1
diagonal incised lines	1	-	1
broad horizontal incised lines	1	-	1
horizontal incised line/lines	9	-	9
2+ horizontal incised lines, overhanging (Coles Creek Incised)	1	-	1
8+ horizontal incised lines, overhanging (Coles Creek Incised)	-	1	1
2+ closely-spaced horizontal incised lines	-	1	1
3+ horizontal incised lines	1	-	1
6+ horizontal incised lines	1	-	1
8+ horizontal incised lines	2	-	2
horizontal-diagonal incised lines (Crockett Curvilinear Incised)	1	1	2
horizontal-vertical incised lines	-	1	1
horizontal incised lines and vertical hatched triangle zone (Crockett Curvilinear Incised)	-	1	1

Decorative Method and Element	Rim	Body	N
Incised (cont.)			
one incised lip line (Coles Creek Incised)	1	-	1
two incised lip lines (Coles Creek Incised)	1	-	1
opposed incised lines	-	3	3
closely-spaced parallel incised lines	-	2	2
parallel incised lines	-	37	37
parallel incised lines, overhanging lines (Coles Creek)	-	3	3
straight incised line	-	9	9
straight incised line on interior vessel surface	-	1	1
Incised-Punctated			
curvilinear incised zone with circular punctations	-	1	1
diagonal incised lines-tool punctated row at lip	-	1	1
diagonal opposed incised lines with vertical tool punctated row between	-	1	1
horizontal incised lines above cane punctated rows	1	-	1
horizontal incised line below fingernail punctated row (Weches Fingernail Impressed)	1	-	1
horizontal incised lines above tool punctated row	-	1	1
horizontal incised lines-tool punctated row at the lip	1	-	1
horizontal-diagonal incised lines-tool punctated-filled triangular zone	-	1	1
parallel incised lines between zones with incised cane punctations	-	1	1
parallel incised lines and zone of cane punctations	-	1	1
parallel incised lines above tool punctated row/rows	-	2	2
straight incised line and rows of triangular-shaped tool punctations	-	1	1
vertical incised line-tool punctated row	-	1	1

Decorative Method and Element	Rim	Body	N
Neck Banded			
horizontal neck bands	1	-	1
parallel neck bands (Nash Neck Banded)	-	2	2
Punctated			
cane punctated rows	-	1	1
fingernail punctated row	1	1	2
linear tool punctated rows	-	2	2
tool punctated row/rows	-	4	4
Fine Ware			
Engraved			
circular engraved el. and hatched triangle el.	-	1	1
cross-hatched engraved zone	-	1	1
curvilinear engraved line/lines	-	5	5
curvilinear engraved lines-open pendant triangle el.	-	2	2
curvilinear engraved lines-hatched triangle el.	-	1	1
(Spiro Engraved)			
curvilinear hatched zones	-	1	1
diagonal engraved lines	1	-	1
hatched triangle element	-	1	1
horizontal engraved line beneath the lip	2	-	2
horizontal engraved lines	7	1	8
horizontal-curvilinear engraved lines	-	1	1
horizontal engraved lines-curvilinear hatched zone	1	-	1
horizontal-vertical engraved lines	-	2	2
opposed engraved lines	-	1	1
parallel engraved lines	-	2	2
sets of parallel engraved lines	-	1	1

Decorative Method and Element	Rim	Body	N
Engraved (cont.)			
parallel engraved lines and narrow hatched zone (Barkman Engraved)	-	2	2
rectilinear hatched engraved zone (Barkman Engraved)	-	1	1
semi-circular el. with internal vertical engraved line	-	1	1
straight engraved line	-	8	8
straight engraved line and pendant curvilinear triangle el.	-	1	1
Engraved-Punctated			
horizontal engraved lines above excised punctated row (Barkman Engraved)	1	-	1
straight engraved line-excised punctated row	-	1	1
Excised			
curvilinear excised area-rubbed with red pigment	-	1	1
excised punctated row at carina (Barkman Engraved)	-	1	1
Trailed-Incised			
broad curvilinear trailed lines-incised hatched zone (Hudson Engraved)	-	1	1
Totals	41	161	202

Appendix C. Decorated sherds from site 41CS125 in the TARL collections.

Decorative Method/ Decorative Element	Grog	Bone	N
Appliqued			
straight appliqued fillet	1	-	1
straight appliqued ridge	4	-	4
Brushed			
opposed brushing marks	1	-	1
parallel brushing marks	10	1	11
Brushed-Appliqued			
parallel brushed-straight appliqued fillet	1	-	1
parallel brushed-straight appliqued ridge	1	-	1
Brushed-Incised			
parallel brushed-incised	1	-	1
Brushed-Lip Notched			
horizontal brushed on rim; lip notched	1	-	1
Brushed-Punctated			
horizontal brushed-tool punctated rows under the lip and at rim-body juncture	1	-	1
Incised			
cross-hatched lines	1	-	1
diagonal opposed lines	1	-	1
horizontal line or lines	1	-	1
parallel lines	2	2	4
straight lines	1	1	2
Incised-Appliqued			
vertical and opposed lines and a vertical appliqued ridge	1	-	1

Decorative Method/ Decorative Element	Grog	Bone	N
Incised-Punctated			
parallel lines and adjacent tool punctated row	1	-	1
Neck Banded			
horizontal neck banding	2	-	2
Punctated			
cane punctated rows/zone	1	-	1
circular punctated rows	1	-	1
Fine Ware			
Engraved			
concentric semi-circles	1	-	1
concentric semi-circles and brackets with negative ovals	1	-	1
curvilinear lines	1	-	1
horizontal lines	4	-	4
horizontal lines and cross-hatched zone	1	-	1
horizontal scroll with hatched zones and horizontal line with tick marks	1	-	1
horizontal lines and slanting scroll; hatched triangle element	1	1	2
horizontal and vertical lines	1	-	1
parallel lines	1	1	2
straight line	3	-	3
Totals	48	6	54

Current Research:

Discovery and Recovery of a 14th Century Dugout Canoe on the Red River, Caddo Parish, Louisiana

Jeffrey S. Girard[1] and Charles R. McGimsey[2]
[1]Northwestern State University of Louisiana.
[2]Louisiana Division of Archaeology

In June 2017, Jenna Bradley and Robert Cornett were boating down the Red River in northern Caddo Parish, Louisiana, when they noticed an unusual log protruding from a sandy bank near the town of Belcher. After realizing that it was a dugout canoe, they contacted the Louisiana Department of Wildlife and Fisheries, and eventually word of the find was transmitted to state archaeologist Chip McGimsey at the Louisiana Division of Archaeology. The following day, Bradley and Cornett led Jeffrey Girard and Jameel Damlouji of the Louisiana Archaeological Society to the site. It was obvious that it was a dugout canoe of comparable size and form to one found in 1983 at the base of a steep cutbank on the east side of a now cut off channel of the Red River approximately 12 km (7 miles) downstream (Figure 1). At the time, the 1983 canoe was thought to be the largest prehistoric watercraft in the Southeastern United States measuring 9.35 m (or 30 ft. 8 inches) long and 56 cm (1 ft. 10 inches) in diameter. The newly discovered canoe is a little larger, measuring 10.2 m long (33.4 ft.) and approximately 60 cm (2.0 ft.) in diameter. Both boats have similar shapes with step-like seats carved into the ends (Figures 2 and 3), and both probably are made from cypress logs, although the wood of the recent find has not been identified with certainty.

A sample of wood from the recently found canoe was radiometrically dated to 590 + 30 B.P., calibrated at 2 sigma to A.D. 1298-1413 (Beta- 467673), within the Middle Caddo period. The boat appears to date earlier than mound construction at the nearby Belcher site (16CD13), but is contemporary with occupation of the Willow Chute locality a few miles downstream on the eastern side of the Red River floodplain. Two radiocarbon dates on the earlier boat suggest it was made much earlier, in the early twelfth century A.D., during the Early Caddo period when the Mounds Plantation site was in use.

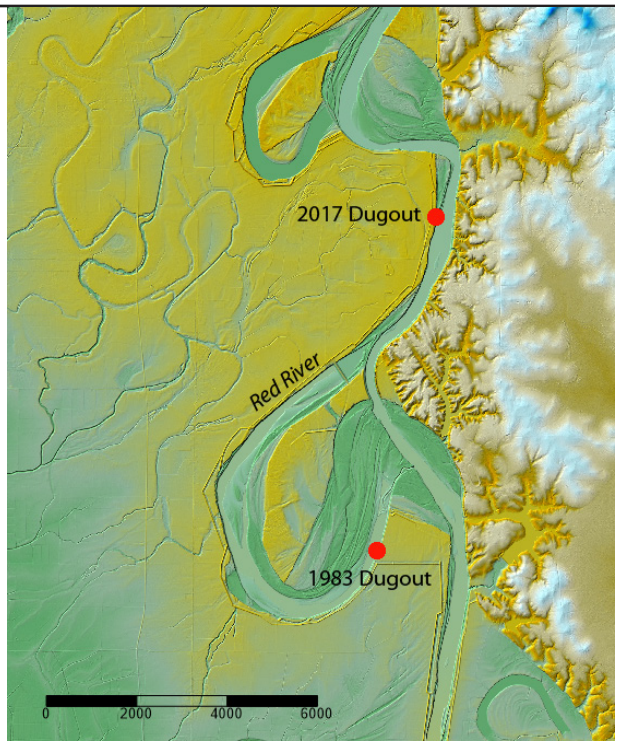

Figure 1. General topographic setting of the 1983 and 2017 dugout canoe sites.

The physical context of the two boats differed significantly. The 1983 boat was found embedded in clay deposits at the base of a nearly vertical bank, probably resting on a deeply buried surface. Removal necessitated burrowing into the bank and cutting the canoe into three sections for transport. The newly discovered boat rested on about a 30 degree slope in shallow, sandy deposits. It is possible that it had been displaced from upstream, perhaps as recently as the spring of 2016 when the region experienced massive floods, as it is unlikely that it would have preserved for several centuries in this context.

Because it was situated on the bank, above the normal water level of the river, it belonged to the Kavanaugh LLC and McKneely Family Partnership, landowners of the adjacent property. The families

Figure 2. View downslope at the uncovered dugout.

donated the boat to the state a few days after the discovery, and efforts began to extract it from the site and transport it to the Conservation Lab at Texas A&M University for preservation. Paul Dickson of Shreveport offered the use of a semi-trailer truck and a driver from his company to take the boat to College Station, but removing the canoe from the bank presented significant logistical problems. Because of the immense size and weight, it seemed too risky to tow or place it on a boat or barge. As plans were being formulated to carry or drag the canoe up the slope into an adjacent field, tropical storm Cindy approached from the Gulf. On the day before the storm hit, Dickson arranged for home builder Michael Crager and a 10-man carpentry crew to construct a wooden frame platform on which to place the dugout (Figures 4 and 5). They used blankets and packing materials provided by Dickson to wrap and protect it during transport. Local equipment operator Tony Hale removed several feet of sediment from a sandy ridge that lay between the slope and the adjacent cultivated fields using a bulldozer that also was used to drag the platform and boat up the slope and onto a flatbed trailer. The trailer was then transported to the nearby town of Gilliam, where the boat was loaded onto the truck with the assistance of a loading dock and forklifts at the Helena Seed Company.

The next day, McGimsey accompanied the truck and canoe to Texas A&M University where the canoe was placed in a vat and submerged in water

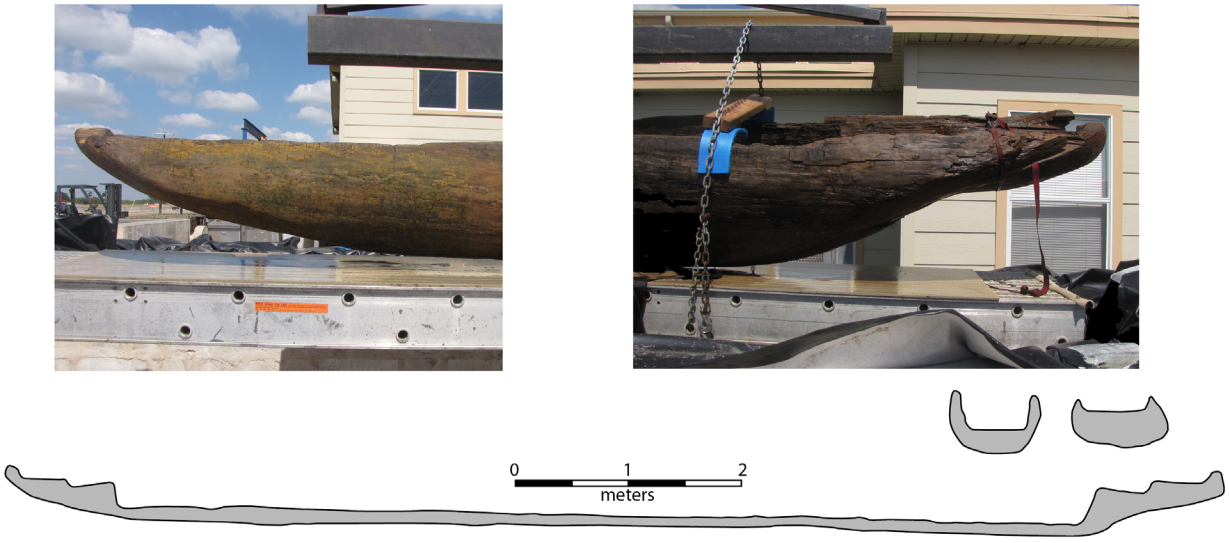

Figure 3. Bow and stern cross sections and profile of the dugout.

(Figure 6). At the conservation lab, polyethylene glycol (PEG) will be introduced to slowly replace the water in the wood and provide support and stabilization to the structure. Once the PEG has completely impregnated the wood, the canoe will be placed in an enormous freeze-dryer where, over the course of several months, the water will be drawn out of the wood. A 3-D scan of the canoe will be made as part of the conservation efforts. The entire conservation process is estimated to take three years. Although the exact location has not been determined, plans are underway to return the canoe to Louisiana for public display.

Figure 4. Wood platform constructed next to the dugout.

Figure 5. The dugout on the platform with packing materials for transport.

Figure 6. The dugout hoisted above the preservation vat at Texas A&M University.

Current Research:

Organic Residues on Engraved Vessels from Ancestral Caddo Sites in East Texas

Timothy K. Perttula
Archeological & Environmental Consultants, LLC

In the course of recently documenting ancestral Caddo ceramic vessels from sites dating to Late Caddo period Titus phase contexts (ca. A.D. 1430-1680) in East Texas, specifically on sites in the Big Cypress Creek and Sabine River basins, I have encountered a significant number (ca. 9.6 percent) of more than 1790 engraved fine ware vessels that have an exterior organic residue (Table 1), including carinated bowls, compound bowls, jars, bowls, and even bottles. In some cases, the exterior residue on certain carinated bowls and compound bowls is so thick that the engraved design is obscured and almost completely covered with the organic residue (Figure 1a- c). If engraved fine wares from ancestral Caddo sites were used in daily life for the serving of foods and liquids, how did they accumulate an exterior carbonized residue by the time they were placed in burials as funerary offerings?

The exterior residue on Titus phase fine ware vessels appears to be the product of soot deposition from the smoke produced in a wood or grass fire (Skibo 2015:190; see also Skibo 1992:152-173). Skibo (2015:190) notes that this "type of soot is more permanently affixed to the ceramic surface because it contains resin droplets, which are drawn up with the rising smoke and are solidified once they come in contact with cooler surfaces. One the resin cools, it can produce a hard, waterproof soot layer that is very resistant to breakdown." Such soot can be deposited if vessel surfaces are less than 400 degrees C, most likely because of the presence of liquids in a vessel (Skibo 2015:191). Skibo's examination (September 11, 2018 personal communication) of Figure 1b-c notes that the residue looks "like classic exterior soot from being placed over the fire. The one pot has oxidation on the base and soot up to the rim [Figure 1b], which is very common. When a pot is right next to the flame, soot will not accumulate, but it will on the sides." He also noted that "soot like this can be added to a vessel in just one… episode."

Site	No. of fine ware vessels	No. with organic residue	Percent
Hinton Coll.*	220	18	8.2
41CP5	138	15	10.9
41CP12	187	19	10.2
41CP304	68	10	14.7
41FK2	39	2	5.1
41FK4	57	4	7.0
41HS3	326	4	1.2
41HS15	81	9	11.1
41MX2	57	9	15.8
41TT6	52	8	15.4
41TT7	165	29	17.6
41TT550	46	13	28.3
41UR2	108	10	9.3
41UR315	95	4	4.2
41UR317	67	9	13.4
41UR318	38	4	10.5
41UR326	48	6	12.5
Totals	1792	173	9.6

* From a variety of sites in Camp and Titus counties, Texas (Perttula et al. 2012a)
Source: 41CP5 (Perttula et al. 2010a); 41CP12 (Perttula et al. 2010b); 41CP304 (Perttula 2005); 41FK2 (Perttula 2019); 41FK4 (Perttula 2019); 41HS3 (Perttula 2018); 41HS15 (Fields and Gadus 2012); 41MX2 (Perttula 2019); 41TT6 (Fields et al. 2014; Eloise Gadus, September 2018 personal communication); 41TT7 (Perttula 2019); 41TT550 (Perttula et al. 1998); 41UR2 (Perttula 2019); 41UR315 (Perttula et al. 2012b); 41UR317 (Perttula et al. 2012c); 41UR318 (Perttula et al. 2012c); 41UR326 (Perttula et al. 2012c)

Table 1. Proportion of engraved vessels with organic residues from a sample of Titus phase sites.

To account for the soot and exterior organic residues on a significant proportion of engraved fine ware vessels (principally carinated bowls) in Late Caddo period Titus phase burial features, I suggest that these vessels (and their contents) were smoked in fires, or suspended over fires, that had been placed at one end of the grave during ancestral Caddo mortuary rituals. Carter (1995:128) has noted that in Caddo mortuary rituals, "[s]omeone in the family kept a fire burning at the east end of the grave for the six days a spirit stayed before starting on its way. All personal possessions, such as clothes owned by the one who had died, were hung on a pole set beside the fire to be bathed in its smoke." These Titus phase engraved vessels were bathed in such a smoke. Both grass and cedar twigs were used to create the bathing smoke (Carter 1995:138-139; Espinosa 1927:163-164).

The age, frequency, and distribution of engraved fine ware vessels with organic residues from being "smoked" should be systematically determined in other areas of East Texas, as well as in other parts

Figure 1. Examples of engraved Titus phase vessels with a thick charred organic residue on their exterior surfaces: a, Vessel 13, Joe Justiss site (41MX2); b, Vessel 74, Russell Bros. site (41TT7); c, Vessel 91, Russell Bros. site (41TT7).

of the Caddo area. Recent communications with Ann Early, Pete Gregory, Jeff Girard, and Duncan McKinnon indicate that engraved vessels of any age with organic residues are very rare to absent in ancestral Caddo vessel assemblages from the Ouachita and Red River basins in Southwest Arkansas and assemblages in Northwest Louisiana. This indicates that the behaviors by Caddo peoples in parts of East Texas after ca. A.D. 1430 (and perhaps before that time as well) differed from other Caddo communities in likely grave side rituals that produced the exterior residue on vessels that were placed as funerary offerings in ancestral Caddo burials. This diversity in mortuary behavior warrants further evaluation and consideration as part of developing a better understanding of the history and character of ancestral Caddo mortuary traditions.

Finally, it is hoped that samples of the charred residue on a few engraved Titus phase vessels with thick exterior residue can be analyzed. Such samples of the charred materials could be subjected to lipid analysis, gas chromatography/mass spectroscopy (see Evershed 2000), and phytolith and starch analysis, to determine what plants were burned and smoked to produce the soot on the vessels.

Acknowledgments

I thank those individuals that talked, corresponded, or shared information with me about exterior residues on Caddo fine ware vessels. They include Steve Black, Ann M. Early, Eloise Gadus, Jeff Girard, Pete Gregory, John P. Hart, Duncan P. McKinnon, and James M. Skibo.

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Current Research:
Renewing Research on Holman Springs (3SV29), a Caddo Saltworks in Western Arkansas

Carl G. Drexler and Fiona M. Taylor
Arkansas Archeological Survey

The Holman Springs site (3SV29) lies in western Sevier County, Arkansas, near the Oklahoma border. It is, along with Bayou Sel (3CL27), one of two major excavations of Caddo saltworks that has not been substantially reported. Excavated between 1984 and 1986 by the Arkansas Archeological Society during their annual Training Program digs, the collections remain at the Arkansas Archeological Survey's research station (ARAS) at Southern Arkansas University (SAU) in Magnolia.

The collections lay dormant for many years. Then, in 2015, the station staff revived the project and started moving it towards completion. This is a daunting challenge, given the massive size of the collection (estimates for the ceramics alone run to 4,000 pounds of sherds). We detail some of the efforts that have been taking place.

Search for AFOs and Re-Boxing

In 2015, then-station archeologist Dr. Carol Colaninno-Meeks, with assistance from SAU undergraduate Ernest Turner, responded to a request from our Coordinating Office to search through the collections from the excavations for associated funerary objects recovered from the two definite and one possible grave encountered during the 1980s work. They located all of the requested materials, which went to the Coordinating Office in Fayetteville for repatriation.

Dr. Colaninno-Meeks and Mr. Turner re-boxed and re-bagged the 1986 Arkansas Archeological Society training program collections into plastic tubs and bags, removing them from the cardboard boxes that held them up until that point. The collections from the 1984 and 1985 training program await similar curatorial treament.

Ceramics Analysis

In 2016, we began work on the next two steps in the analysis. With assistance from Dr. Jamie Brandon, of the ARAS's station at the University of Arkansas, we initiated the ceramic analysis, with Ms. Taylor shouldering the bulk of the work. At the time of writing, this effort encompasses approximately 9,000 sherds. Hundreds of thousands more remain.

Most of the sherds consist of wide, flat, salt pan fragments, many undecorated. There are some decorated rims in the collection, many of which correspond to the Nash Neck Banded type. More fine-grained data will be available once we have completed the analysis of a representative collection, which we hope will be in the near future.

We are excited about the prospects of this work, as there seems to be variability in the timing of when these salt sites were in use and the manner in which Caddos organized and timed salt production. Holman and the Hardman site, both in Arkansas, appear to be year-round occupations dating to the Middle and Late Caddo periods (Early 1993; Perttula 2012). Contrast this with the Salt Well Slough (Kenmotsu 2005) and Drake's Salt Works (Eubanks 2016) sites, which appear to feature only temporary occupation and date to the Late and Historic Caddo periods, respectively.

Digitization of Field Records

In aid of the renewed effort, we also scanned all of the field records from the Society training programs in 1984-1986 and are constructing databases that will aid the analyses. This effort includes the site maps, drawn from both the few large-format maps created during the field projects, and the level forms used in each 2 m excavation unit.

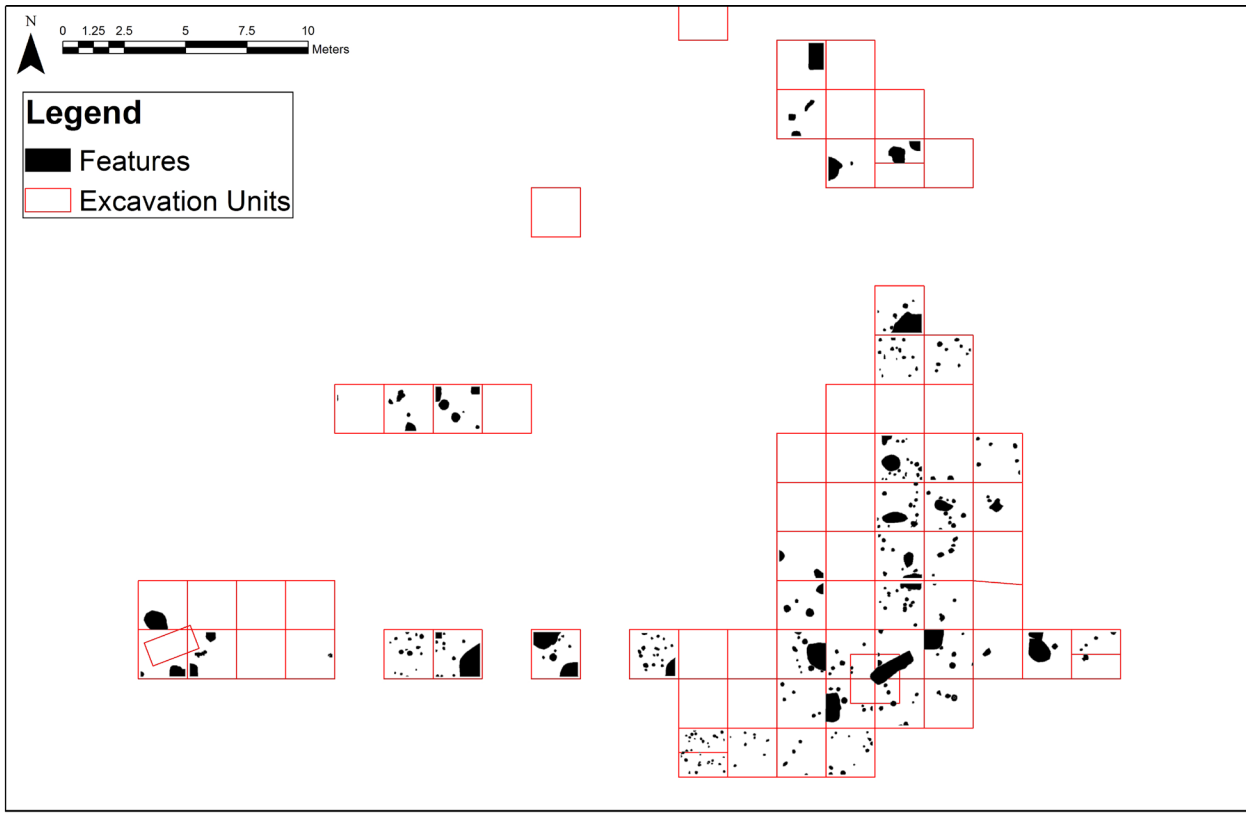

Figure 1. Features with excavation units at the Holman Springs site (3SV29).

We georeferenced the latter in ArcGIS, then digitized all of the recorded features, creating the first site-wide map of the excavated portion of the site (Figure 1). We added to this in early September 2018 by downloading and processing LiDAR data for the site, which shows the former mound tested in the 1980s, a possible second mound to the southeast (mentioned in site notes from the 1960s), and a potential third mound not previously documented.

Special Analyses

Two more detailed studies are in progress. First, Society volunteers excavated a potential basket of corn and other foods in 1986. Identified as Feature 107, the materials were bagged separately and have awaited analysis since. We recently transferred the contents of Feature 107 to the ARAS research station at Toltec Mounds State Park, where Dr. Elizabeth Horton has begun to study their contents.

Second, the site has never been directly dated, although several carbon samples were taken during the excavations. The ARAS-SAU staff secured a grant from the Arkansas Archeological Society's Archeological Research Fund to radiocarbon date two of those samples, and that is now underway.

Next Steps

Our next efforts will involve continued study into Caddo saltmaking with specific attention towards next years' Arkansas Archeological Society Training Program, which will be a return to Holman Springs. This will be a major step in concluding the 1980s projects, as we intend to work with the Society to analyze the bulk of the ceramics recovered earlier. This will dramatically hasten the completion of the research and help us better-understand an important site that has a lot to tell us about Caddo saltmaking and environmental interactions.

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Current Research:
Building a Corpus of Crockett Curvilinear Incised Vessels

Duncan P. McKinnon
University of Central Arkansas

As presented in an earlier report (McKinnon 2018), I have been compiling, with the help of several Caddo researchers, a comprehensive multi-state database of Caddo vessels (now close to 15,000). The on-going goal is to evaluate landscape scale social interactions and interregional relationships using this growing ceramic database. Some initial explorations have been productive in evaluating relationships between proposed Caddo communities (archaeological phases) and I suggest that these exercises have offered insights into Caddo interaction, identity, and ideological exchange in a visual and (continually) comprehensive way (McKinnon 2011, 2016).

Related, I, along with my students at the University of Central Arkansas, have been synthesizing ceramic data associated with the Bowman (3LR46) or Bowman/Wallace (3LR50) site, a Caddo multi-mound center on the Red River in Little River County, Arkansas (Hoffman 1970:167-168; McKinnon 2017; McKinnon et al. 2018; Suarez et al. 2018). Through this synthesis, several diverse examples of Crockett Curvilinear Incised vessels and sherds have been identified, which became an encouragement to start building and evaluating a corpus of this vessel type with its distinctive design.

Girard et al. (2014:54-57) highlight the frequency of the Crockett Curvilinear Incised type during the early Caddo periods and suggest that early Caddo designs likely contain symbolic referents, which have not been explored in as much detail as later Caddo ceramic types (e.g., Dowd 2011; Gadus 2013; Hart and Perttula 2010; Lambert 2018; Nash 2018). Examples of Crockett vessels are present at several Early Caddo (ca. A.D. 1050-1200) centers that likely were the "locations where social policies were formulated, decisions made, and rituals and social events carried out" (Girard et al. 2014:46). Some of these sites include George C. Davis (Newell and Krieger 1949:98-104), Bowman (Hoffman 1970:169), Crenshaw (Schambach 1982:152), Harlan (Bell 1972, 1984), Spiro (Brown 1996:231), and Mounds Plantation (Webb and McKinney 1975:80-81).

Crockett Curvilinear was first described in the George C. Davis report (Newell and Krieger 1949:98-101) and has been variously described in later publications (Bohannon 1973; Hoffman 1970; Suhm et al. 1954; Suhm and Jelks 1962). The vessels are carinated (early?) or globular (later?) bowls that contain incised scroll motifs executed with a high degree of variability (Newell and Krieger 1949:98-99). Commonality in design is the presence of an incised scroll motif with punctate or incised-line filled circles as the central element. An incised band frequently connects each circle, which often begins at the bottom of one circle and connects to the top of the next circle. In some cases, triangles are used as the connecting design to the circular element. The circular element is repeated around the rim or body and often contains "plain, ring-like (made with hollow reed?), or hemiconical" (Suhm et al. 1954:262) punctations in the center of the circle. Punctations or hatching (but not cross-hatching) almost always fills the enclosed spaces (see Figure 1b).

Hoffman offers the first consideration of chronology based on vessels at sites within the Little River region. In his analysis, the temporal period for the Crockett type in the Little River region begins during the early Millers Crossing phase, which "appears to have been derived stylistically from French Fork Incised at some time prior to A.D. 1000" (Hoffman 1971:578). The type is in use until the end of the Mineral Spring phase (ca. AD 1400)--a roughly 400-year span. Based on variability in shape, decoration technique, and overall design he offers type varieties associated with an evolution of vessel form and design (Table 1).

Since his chronological assessment almost 50 years ago, there has been no attempt to expand upon and evaluate the temporal and spatial characteristics

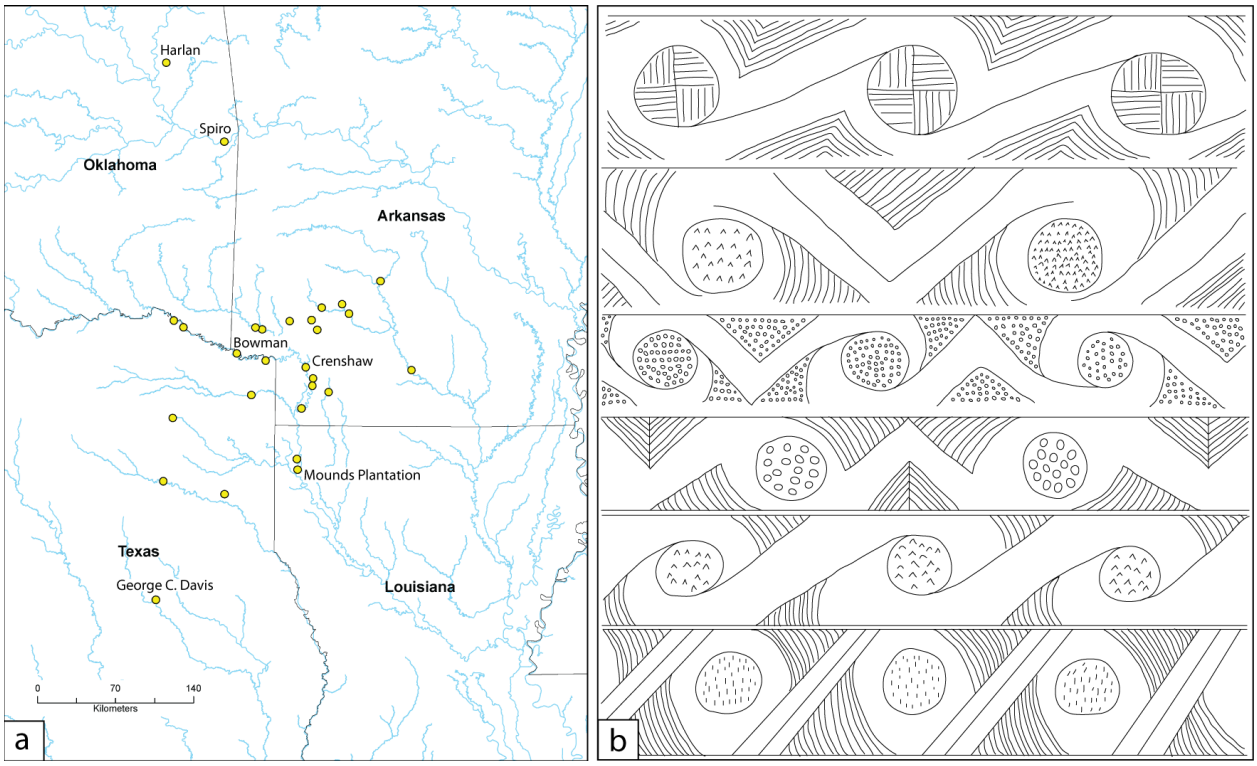

Figure 1. (a) Current distribution of Crockett Curvilinear Incised vessels in the ceramic database. (b) Examples of design variation from Crockett Curvilinear Incised vessels from the Bowman site.

Variety	Form	Design	Sites	Phases
var. Cossatot	Mostly small bowls with straight sides or with a slight shoulder.	The use of hollow reed punctations. Bold designs with negative effect.	Millers Crossing, Mineral Springs	Millers Crossing
var. Crockettt	Carinated bowls with convex base and short vertical rims.	Dots, triangle, or fingernail punctations. No hollow reed punctates.	George C. Davis, Crenshaw	Alto, Lost Prairie
var. Ozan	Small high-rimmed jars with suspension holes and large bowls	Central circles filled with dot, fingernail, or slot punctation, or hachuring. No negative effect.	Mineral Springs, Bowman, East	Late, widely distributed
var. unspecified	Untyped sherd collections			

Table 1. A summary of Little River region Crockett Curvilinear Incised varieties as suggested by Hoffman (1971:570-578).

of Crockett forms and designs using ceramic data collected since that time. To that end, this current research summary reports on the development of a comprehensive corpus of Crockett Curvilinear Incised vessels. The goal is to evaluate variability in form and design to build upon and test the varieties first presented by Hoffman (1971). Given the possible "geographical varietal significance" (Hoffman 1971:573) of designs seemingly present in the proposed varieties, the wide-distribution and presence at several influential early Caddo centers, and long duration of use during a time of the development of "complex and socially ranked societies with well-planned civic-ceremonial centers" (Perttula 2012:8), the Crockett Curvilinear Incised type (and more specifically the form and design) seems a viable candidate for evaluating ceramic variability and expression across the Caddo Area and throughout the Early Caddo time period.

As I move forward with this evaluation, I am reaching out to those who are aware of examples (and images) to build and expand the corpus. At present the database contains 142 Crockett Curvilinear Incised vessels from 27 Caddo sites and is biased toward Arkansas and Texas. Potential Louisiana and Oklahoma examples are currently underrepresented (see Figure 1a). I am interested in Crockett Curvilinear Incised examples throughout the Caddo Area (particularly Oklahoma and Louisiana) but also the distribution of similar or "hybrid" types such Pennington Punctated-Incised or French Fork Incised.

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Current Research:

Archiving our History, Publishing Results: Current Research at the Arkansas Archeological Survey's Henderson State University Research Station

Mary Beth Trubitt
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At the Arkansas Archeological Survey's Henderson State University (HSU) Research Station, we continue to inventory curated artifact collections. The research station has been on the HSU campus in Arkadelphia since 1967, and our collections include artifacts, photographs, maps, and field and lab records from projects as well as artifact donations from local residents. Field notes and lab forms have been scanned and archived on the server, and we are in the process of scanning the station's collection of 14,000 color slides. Assisted by volunteers, we have been inventorying artifacts, updating station databases, and submitting site revisit forms to the Registrar's Office. This inventory project has spurred new research and efforts to disseminate results of older field investigations.

Chelsea Cinotto presented a talk to the 2018 Caddo Conference on results of one of these projects. Her analysis of pottery sherds and other artifacts established a Late Caddo period age (A.D. 1400s-1500s) for a pit feature excavated at the Caddo Hills site (3MN22) in 1973. She wrote a summary article and submitted it to *The Arkansas Archeologist* for publication. Her next project will be an analysis of two Survey testing projects at nineteenth-century houses in Arkadelphia, one at Magnolia Manor (3CL768) in 2002 and the other at the James E. M. Barkman House (3CL450) in 1990 and 1993. Mary Beth Trubitt and Chelsea Cinotto presented a preliminary paper on this work at the South Central Historical Archaeology Conference in October 2018.

As collections from Survey research stations are inventoried, information is added to the "Arkansas Novaculite: A Virtual Comparative Collection" website database. Using an online form, professional and avocational archeologists across the Caddo Area can add data to the map (Figure 1) showing the distribution

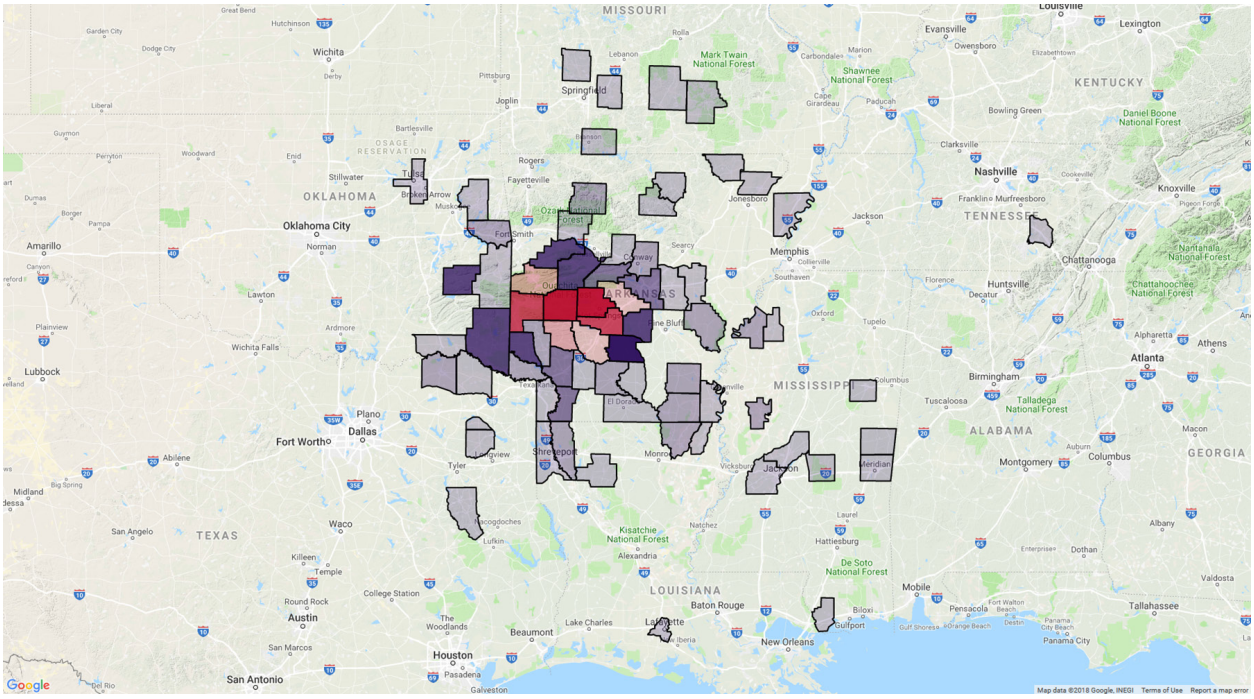

Figure 1. Map from the "Arkansas Novaculite: A Virtual Comparative Collection" website showing source counties in red and counties where novaculite artifacts have been found in purple (map created using Google Maps by John Samuelsen).

Figure 2. Projectile points from the Jones Mill site.

of novaculite artifacts beyond the Ouachita Mountains source area (http://archeology.uark.edu/novaculite/index.html?pageName=Sourcing%20Novaculite). Mary Beth Trubitt and John Samuelsen presented a poster at the 2018 Southeastern Archaeological Conference that shows temporal changes in the extent and direction of novaculite artifact distribution, based on data on typed projectile points.

In January 2018, we completed a multi-year project to document and photograph pottery vessels in the Joint Educational Consortium's (JEC) Hodges Collection. Resulting from work by local avocational archeologists Thomas and Charlotte Hodges and Vere Huddleston in the 1930s and 1940s, this major collection is curated at HSU. Chelsea Cinotto completed data entry on 1,352 vessels, and Mary Beth Trubitt wrote and submitted an article on artifacts from eight ancestral Caddo sites near Arkadelphia to *Caddo Archeology Journal* (see this issue). Plans are now underway to move the JEC Hodges Collection to the renovated Caddo Center on the HSU campus for curation and display.

Analysis, interpretation, and writing continues on the Jones Mill (3HS28) excavations in 2007-2008 and the Dragover (3MN298) excavations from 2013-2014. Public talks on both projects served as inspiration for a short book manuscript on "Ouachita Mountains Archeology" that Mary Beth Trubitt wrote and submitted to the Survey's Popular Series. he presented a poster (Figure 2) on the spatial and temporal distribution of dart and arrow points at Jones Mill to the Arkansas Archeological Society's 2018 annual meeting. While a mixture of point types were found in upper strata, only Archaic period forms were in lower levels at the site.

The Arkansas Archeological Society awarded Trubitt an Archeological Research Fund grant in September 2018 to obtain a radiocarbon date on charred nutshell from a Dragover site feature that also contained sherds of Cooper Boneware. The AMS date result of 1050-895 cal B.C. supports this Fourche Maline type as the earliest pottery in the Trans-Mississippi South (details to be published in the Society's *Field Notes* newsletter).

Archeological sites in Clark, Garland, Polk, and Pike counties were added to the Arkansas site files database (AMASDA) by station staff in 2018. Chelsea Cinotto assisted the Natural Resources Conservation Service with site investigations in Saline County, worked with Meeks Etchieson to survey sites in Clark County, assisted the Survey's Southern Arkansas University (Magnolia) at Prairie D'Ane battlefield in Nevada County, and assisted with the annual Society Training Program excavations at Pea Ridge in Benton County. Working with the local cemetery committee, Cinotto and Trubitt completed mapping at the Mount Tabor Cemetery in Dallas County

Mary Beth Trubitt serves as editor for *Southeastern Archaeology*, the journal of the Southeastern Archaeological Conference. The April 2018 issue featured "Ear Spools, Ceramics, and Burial Mounds from Southwest Missouri: Caddoan and Spiro Connections on the Northern Frontier" by Jack H. Ray. The editor welcomes submissions on current research on the archaeology and history of the Caddo Area (see https://tandfonline.com/toc/ysea20/current).

Current Research:

Analysis of ceramic vessel residues from the Washington Square Mound Site (41NA49) for evidence of peyote use by the Caddo in the 13th-15th centuries A.D.

Timothy K. Perttula[1] and Martin Terry[2]
[1]Archeological & Environmental Consultants, LLC
[2]Sul Ross State University

In 2012, Perttula requested permission from to the Caddo Nation of Oklahoma's Repatriation Committee to analyze small samples (ca. 1-2 grams of ceramic paste, or sherds ca. 1-2 square centimeters in size) from the paste of five vessels from Features 31 and 95 at the Washington Square Mound site (41NA49) (Perttula et al. 2010) in East Texas to identify residue traces of the Caddo's use of peyote in the 13th-15th centuries A.D. The Caddo Nation of Oklahoma gave their permission to conduct these ceramic vessel residue studies.

Peyote was and is a ritually important plant to the Caddo peoples, but to date no archaeological evidence is available that demonstrates when peyote was first used in ancestral times for Caddo ritual activities. In West Texas, there is direct archaeological evidence of the use of peyote from as early as 6000 years ago (El-Seedi et al. 2005; Terry et al. 2006). The analysis of residue samples from Washington Square Mound site ceramic vessels represented the beginning efforts of what is hoped to be a long-term study of Caddo ceramic vessels across the Caddo area for traces of peyote use and ritual ceremonialism.

This pilot study of peyote use among Caddo peoples serves as a companion effort to two recent successful chemical analyses of organic residues in Caddo artifacts. The first is the study of A.D. 1050-1250 ceramic vessels from the major site of Cahokia that has identified species of holly (Ilex) used to prepare the ritually important Black Drink (Crown et al. 2012). The nearest source to Cahokia of holly leaves used in the Black Drink is among Caddo peoples living in Southwest Arkansas (Crown et al. 2012:Figure 2), and it is likely that the Cahokians obtained holly leaves from Caddo peoples (who also used the Black Drink), and transplanted and cultivated holly trees locally. The second effort is the successful identification of Datura residues in several post-A.D. 1400 Caddo ceramic vessels in Southwest Arkansas and decorated marine shell artifacts from ca. A.D. 1200-1450 contexts at the Spiro site (34LF40) in eastern Oklahoma (King et al. 2018).

The five ceramic vessels from the Washington Square Mound site that received organic residue study in 2012 to identify peyote use are listed in Table 1. All are finely engraved vessels, either bottles (n=1), carinated bowls (n=2), or compound bowls (n=2).

The organic residue samples (either ca. 1-2 grams of paste from interior wall scrapings near the vessel base, or a small sherd from an unreconstructed

Vessel No.	Type Identification	Vessel Form	Reference
Fea. 31-1	Nacogdoches Engraved	Compound Bowl	Perttula et al. 2010:Fig. 18
Fea. 95-1	Nacogdoches Engraved	Carinated Bowl	Perttula et al. 2010:Fig. 33
Fea. 95-8	Nacogdoches Engraved	Compound Bowl	Perttula et al. 2010:Fig. 39
Fea. 95-19	Unidentified engraved	Carinated Bowl	Perttula et al. 2010:Fig. 50
Fea. 95-23	Nacogdoches Engraved	Bottle	Perttula et al. 2010:Fig. 54

Table 1. Vessels from the Washington Square Mound site that received organic residue analysis.

vessel; all the vessels are currently curated at Stephen F. Austin State University) were analyzed by Dr. Martin Terry (Associate Professor and Curator of the Herbarium, Sul Ross State University, Alpine, Texas) in his university laboratory. His laboratory ran analyses for peyote alkaloids in the residues from these vessels; other plant compounds, such as holly residues, were hopefully also likely to be identified. Mescaline, the distinctive biomarker for peyote, is evidently quite stable and is straightforward to separate with High-performance liquid chromatography (HPLC) and (assuming adequate concentration) to confirm with Gas chromatography-mass spectrometry (GCMS).

None of the HPLC and GCMS analyses of the residue samples from the Washington Square Mound site ceramic vessels contained mescaline residues, however, and thus no preserved evidence of peyote use in these vessels. Other residues were identified in the analyzed samples, but they could not be identified in Terry's laboratory.

While the results of this initial pilot study to identify peyote residues in five ancestral Caddo ceramic vessels were not successful, other studies of organic residues preserved in Caddo ceramic vessels from southern and northern Caddo sites are being contemplated. Hopefully this future work will be able to establish with precision the use of peyote, Datura, and Ilex, and other plant residues, by ancestral Caddo peoples.

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Current Research:
Spiro and Caddoan Connections on the Northern Frontier of Southwest Missouri

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Excavations during the construction of Table Rock Lake in the late 1950s resulted in a proposition that there was a colonization of peoples into the upper White River drainage from Caddoan areas to the southwest (Chapman 1980; Chapman et al. 1960). This colonization, which resulted in the formulation of the Loftin phase, is widely accepted today (O'Brien and Wood 1998; Perttula 1983, 1989; Sabo and Early 1990). Later, James Brown (1984) exposed the myth that the southwestern Ozarks was a cultural enclave that lagged behind Mississippian developments in other parts of the Trans-Mississippi South.

Recent discoveries and reanalysis of artifacts from 19 sites located across much of Southwest Missouri indicate that a substantial presence and influence of Caddoan peoples extended far beyond the upper White River valley. This area, referred to as the Northern Frontier of the Caddoan realm (Ray 2018), extends from the lower James River valley on the south to the Osage River on the north.

Multiple lines of evidence suggest this portion of the western Ozarks was within the Caddoan orbit and sphere of influence. This evidence includes: (1) perforated and unperforated pulley-shaped stone earspools, (2) engraved Spiro ceramics and bone-tempered pottery, (3) a newly recognized Caddoan mound in the headwaters of the James River, (4) a human effigy pipe, (5) exotic marine shells, (6) a petroglyph exhibiting Caddoan iconography, and (7) selected Caddoan projectile points. This evidence from 19 sites is detailed by Ray (2018) and is only summarized here. Seven sites with Caddoan connections are located in the upper James River basin on the south of the Ozarks Divide, whereas 12 sites are located in the upper Sac River basin and the middle Osage River basin on the north side of the Ozarks Divide (Figure 1).

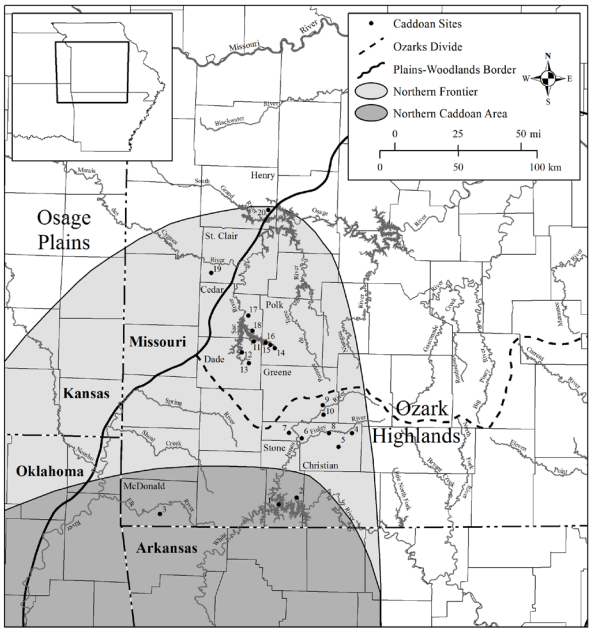

Figure 1. Location of the Northern Frontier area and Caddoan sites discussed in text.

Perhaps the most convincing evidence is the presence of several pulley-shaped earspools and earspools with copper residue at multiple sites in the Northern Frontier. Earspools, especially those of the pulley-shaped type, are firmly associated with early Caddoan sites as well as the Spiro Ceremonial Center in the Arkansas River valley of eastern Oklahoma (Bell 1984:234-235; Brown 1996:563-567; Hamilton 1952:55-56, 203). Two previously unreported high-status pulley-shaped earspools came to light in 2009. Both were found at an open-air habitation site called Earorn in the upper Finley River basin in Christian County. One is a decorated and formerly copper-covered unperforated pulley-shaped stone earspool

Figure 2. Exterior face, interior face, and edge view of decorated, unperforated, pulley-shaped earspool from the Earorn site.

(Figure 2), the only earspool of this type ever reported from Missouri. It is very similar, if not identical, to the decorated unperforated earspool type (cross quadrating field of 12 nodes) that was found in a prestigious burial grave lot in the Craig Mound at Spiro (Brown 1996:Figure 2.120f). The second earspool is a fragment of a large undecorated perforated pulley-shaped type.

Other undecorated perforated pulley-shaped earspools manufactured from local dolostone have been recovered from two habitation sites and one burial tumulus. These are Jenkins Cave in Christian County, Sand Bluff E Shelter in Dade County, and Cordwood Cairn in Polk County. Suspected trade of exotic Caddoan artifacts into the northern Ozarks, perhaps in association with seasonal hunting parties, has long been recognized. However, high-value luxury artifacts of personal adornment from residential sites suggests a more sustained presence of Caddoan-affiliated peoples (including those of elite status) in the Northern Frontier.

Several Caddoan pottery sherds have been found in Southwest Missouri. An intact Spiro Engraved water bottle from the Eureka Mound has generally been thought to represent trade (Wood and Pangborn 1968). Another Spiro Engraved sherd was recovered from Broyles Cairn. However, other Spiro Engraved pottery sherds have been found at habitation sites, including three from Sand Bluff C Shelter and one from Tater Hole Shelter. In addition, certain utilitarian wares tempered with crushed bone or in combination with grit and/or grog can be associated with the Caddoan ceramic tradition and appear to indicate domestic use unassociated with trade. Fourteen sherds tempered with grit and bone were recovered from Sand Bluff C Shelter in Dade County (McMillan 1966:33-34), whereas Ingram Mound, Cobb Cave, and Tater Hole Shelter have yielded smaller quantities of bone-, grit-and-bone-, and/or grit-grog-and-bone-tempered pottery. Other sites in Southwest Missouri may contain pottery with bone as a temper, but they are as yet unknown because the temper was unrecognized or misidentified. Additionally, undecorated Caddoan plain pottery tempered with grog and grit-and-grog that exhibits frequent wiping marks on the interior and/or exterior surfaces (e.g., Williams Plain) have been found at Ingram Mound and Parched Corn Hollow Shelter.

Earthen mounds, whether for the burial of the elite or other ceremonial purposes, were an integral part of early Caddoan (e.g., Harlan phase and Loftin phase) societies in the southwestern Ozarks. They were located in strategic locations in bottomland contexts and spaced at relatively regular intervals (Kay et al. 1989; Perttula 1983; Wyckoff 1980). Incomplete excavations and inadequate analyses of the materials recovered from Ingram Mound in Greene County resulted in this bottomland mound not being affiliated with other Caddoan mounds in the southwestern Ozarks. However, a reexamination of the pottery and other artifacts from Ingram Mound and adjacent areas indicates that it should now be recognized as yet another Caddoan mound (with a possible attendant nearby hamlet) located near the headwaters of the James River more than 70 km north of the Loftin site. Although inconclusive, this small mound appears to represent a burial tumulus of an individual (or individuals) of high status.

An unusual human effigy sandstone pipe was found at a habitation site on the lower Sac River in Cedar County (Ray and Montgomery 2011). The pipe (called the Montgomery pipe) depicts an anatomically correct nude female in a kneeling position with legs folded beneath her, abdomen resting on her thighs, and hands on her knees (Figure 3). The Montgomery pipe shares few attributes with known Caddoan human effigy pipes. Attributes on certain pipes from the lower Mississippi River valley appear to conform most closely to those on the Montgomery pipe (Coe 1976:Figures 39–40; Ray and Montgomery 2011:168-173). If the Montgomery pipe is not a local Caddoan-manufactured pipe, the find location of this pipe on the western periphery of the northern Ozarks and its affinity with

Figure 3. Side view of the Montgomery pipe from the Montgomery Cutoff site (after Ray and Montgomery 2011:Figure 1).

attributes of pipes from the Mississippi River valley suggest that this high-status object probably arrived in Southwest Missouri through the extensive trade network that the Arkansas Valley Caddoans had established with inhabitants of the Sac River valley and the lower Mississippi River valley.

The presence of marine shell beads, especially conch and Marginella, indicate a trade connection with the Gulf Coast. Marine shell beads have been found in five mortuary mounds in the Northern Frontier area that appear to have Caddoan components. It is important to note, however, that marine shell artifacts are not restricted to mounds with Caddoan components. They have been found in many mounds that appear to have been constructed by groups indigenous to the northern Ozarks (Wood 1967:Table 1; Wood and Brock 1984:Table 1). Whether the exotic shell artifacts in these mounds were obtained directly by indigenous groups or by trade with Caddoan groups to the south, some of which may have been periodic residents in the Northern Frontier, remains equivocal.

A petroglyph found at the Oyer site at the north end of the Northern Frontier in St. Clair County appears to be affiliated with Arkansas Valley Caddoan iconography. This petroglyph is framed by a slightly asymmetrical square with small squared loops at each corner (Figure 4). Two vertical oblong figures are located within the square frame. The left figure appears to represent a woodpecker, a bird not uncommon in Caddoan iconography. Phillips and Brown (1975:153) referred to a square with looped corners as a "looped square" and tentatively assigned the looped square

Figure 4. Looped-square petroglypyh from the Oyer site (courtesy of Doug Porter).

design to the Craig A style of Caddoan iconography. The same design appears prominently on a stone earspool (Hamilton 1952:Plate 81) and one shell cup engraving from the Craig Mound at Spiro (Phillips and Brown 1979:Plate 186f). Unlike a high-prestige marine shell artifact that might have been traded, a petroglyph is an abstraction of an idea directly represented by the individual who inscribed it. Given the location of the Oyer site on the western flank of the Ozarks, this petroglyph could represent an ideological connection between those living in the Northern Frontier and those living in the Arkansas River valley to the south.

Projectile points are generally less diagnostic of specific components than ceramic artifacts. The most common arrow point type in the Ozarks is Scallorn, whereas certain other small arrow points, such as Alba, Keota, and Bonham, are atypical and occur rarely in Southwest Missouri. These three arrow point types are found primarily in the southern Caddo area. Atypical arrow points found at Sand Bluff B Shelter in Dade County include one contracting-stemmed Alba point and two square-stemmed Bonham arrow points (McMillan 1966:12 and Figure 3b-c). A side-notched Keota arrow point found at a site in Polk County was made from Arkansas novaculite, located in the Ouachita Mountains of west central Arkansas more than 275 km to the south. Other side-notched arrow points with straight (Reed) to concave bases with squared (Haskell) and rounded (Morris) ears appear to be restricted to the southwestern Ozarks and Caddoan-affiliated sites (Bell 1984:233–234; Brown 1996). The common occurrence of these side-notched arrow point types in Northeast Oklahoma,

Northwest Arkansas, and Southwest Missouri, and their rare occurrence in Central and Southeast Missouri, appears to indicate a general range of Caddoan influence and presence in the southwestern Ozarks. Stemmed and corner-notched dart points/knives, such as Montgomery and Cupp, also are concentrated primarily in the Caddoan area of the southwestern Ozarks (Ray 2016:24, 102).

Mid-twentieth century investigations in the Sac, Pomme de Terre, and Osage river valleys in Southwest Missouri resulted in a long-standing view that local Late Woodland populations remained relatively isolated and were not greatly influenced by Caddoan groups located not far to the south (Vehik 1978:48; Wood 1961:118, 1967:125–126). With the exception of a handful of engraved ceramic sherds recovered from Sand Bluff C Shelter, most recognized Caddoan artifacts were viewed as luxury goods from burial mounds that were obtained as a result of trade, not by the movements of Caddoan peoples into the area.

New analyses and recent discoveries from Southwest Missouri indicate a greater presence of Caddoan or Caddoan-affiliated peoples in the Northern Frontier area than previously recognized and requires a reassessment of the presence of Caddoan peoples in the western portion of the northern Ozarks. This growing body of evidence suggests that a substantial presence and sphere of influence of Caddoan peoples may have extended far beyond the upper White River valley into the Northern Frontier. Radiocarbon ages from two apparent Caddoan sites in this Northern Frontier (Jenkins Cave and Ingram Bottom), and circumstantial evidence from several other sites, suggest that a surge of Caddoan influence and possible quasi-political control occurred over much of Southwest Missouri ca. A.D. 1100–1350 as local late prehistoric inhabitants in the area became more firmly identified and integrated with the Caddoan lifestyle that flourished in the Arkansas River valley. This shift from a Late Woodland to Caddoan lifestyle appears to have begun in the upper White River valley to the south approximately 150 years earlier: between A.D. 900-1000 (Bell 1984:221; Brown 1984:30). The Caddoan presence and influence appears to have waned after widespread population displacement and the collapse of most regional ceremonial centers in the southwestern Ozarks around A.D. 1350–1400 and was ultimately replaced by the late prehistoric Neosho tradition.

We know of a Caddoan presence at Loftin, Vaughn I, Cantwell I, Pineville Mound, and other sites located in the southern tier of Missouri counties that border Arkansas (Brown 1984:22). We must now seriously consider that Caddoan peoples had a greater presence and influence farther north in the Northern Frontier area than previously acknowledged. Bell (1984:239–240) hinted at this possibility and suggested that the Harlan phase population expanded not only into new portions of the Ozarks but also expanded to the north as far as the Missouri River valley and the eastern portion of the Central Plains.

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Report:
Abstracts from the 2018 Caddo Conference in Idabel, Oklahoma

Amanda L. Regnier
Oklahoma Archeological Survey

The 2018 Caddo Conference was held March 8-10, 2018 at the Museum of the Red River in Idabel, Oklahoma. Fifty attendees registered for the conference. The conference began with a reception at the museum on Thursday evening. On Friday, the program included eight papers and presentations covering archaeological work in Texas and Oklahoma and a longer presentation on the rebuilding of the Caddo house at Caddo Mounds State Park in Texas. A poster session was also held on Friday afternoon. Conference attendees were given a tour of the collections housed at the museum, which include a large collection of Caddo vessels and objects from all over the world. Friday ended with dances by the Metro Oklahoma City (OKC) Caddo Culture Club, beginning with the Turkey Dance and a delicious barbecue dinner held at the museum. On Saturday, the eight presentations covered sites in Arkansas and Oklahoma, Spiro iconography, and included a presentation on the Spiro exhibit forthcoming at the Cowboy and Western Heritage Museum in Oklahoma City. Just before breaking for lunch on Saturday, Caddo Culture Club and Metro OKC Caddo Culture Club members led a song using the large drum on exhibit in the museum.

ABSTRACTS for the 70th CADDO CONFERENCE

Paper Abstracts

Analysis of the Kelly Creek Site Biface Cache, Garland County, Arkansas
Robert L. Brooks
Oklahoma Archeological Survey, emeritus

A cache of 26 bifaces was removed from the Kelly Creek site in southwest Arkansas, probably during the 1990s. Regrettably, the absence of documentation at the time of removal has limited some elements of this presentation. My paper follows the history of the cache as it moved through the collecting community before being donated to the Museum of the Red River. An overview of the Kelly Creek site further demonstrates the need for good documentation when caches (or any artifacts) are found in locations with multiple components. Analysis of the 26 bifaces presents basic observations and some comments on characteristics of the cache. A few speculations are made concerning the functional role of the bifaces in their cultural context.

Uncovering a Pit at Caddo Hills (3MN22)
Chelsea Cinotto
Arkansas Archeological Survey

In 1973, after commercial bulldozing uncovered archeological features, the Arkansas Archeological Survey's Henderson Research station, led by Ann Early, conducted a salvage excavation at the Caddo Hills site in the Upper Caddo River drainage in Arkansas. Feature 1 was a rectangular area that had been recently disturbed. Feature 2, the focus of the excavation, was a 3 by 3 meter pit that had been relatively undisturbed. Excavation of the pit revealed a variety of Native American artifacts: chipped and ground stone, ceramics, animal bone, and burned seeds and nuts. The artifacts have now been analyzed to investigate when and why the pit was created and filled. These results and interpretations are discussed here. The pit contained artifacts from several different time periods, with the most recent dating to the late Caddo period. The deposition of artifacts suggests the Caddoan material was originally discarded elsewhere and then later brought in to quickly fill the pit. In the future, this analysis can be used for researching connections to the nearby Standridge site and comparing to other Caddo sites in the Ouachita Mountains.

Analyzing the Features at the Holman Springs Site (3SV29), a Caddo Saltworks in the Little River Basin
Carl G. Drexler
Arkansas Archeological Survey

The Arkansas Archeological Survey and Arkansas Archeological Society excavated at the Holman Springs site (3SV29), in Sevier County, between 1984 and 1986. Those projects are now being processed and reported. As part of that effort, the Survey created a digital map of the features identified during those excavations and this paper examines patterns in the arrangement of those features. Comparisons with other Caddo saltworks are made. It also identifies next steps in the process of analyzing the vast trove of data on hand from this site.

Legacy Collection Update: The Johnny Ford Site, 3LA5, and its Cremation Cemetery
Ann M. Early
Arkansas Archeological Survey

One of the first volunteer excavations undertaken by the Arkansas Archeological Survey was a five day project held in 1970 at the Johnny Ford Site, an open site in the Red River alluvial valley in far southwest Arkansas. Landowner Herschel Kitchens and Dr. Frank Schambach were interested in the abundant Early Woodland bone tempered pottery and dart points on the surface and hoped to learn more about what Schambach called the Field Bayou Phase of initial pottery making culture in the region. They found artifacts confined primarily to the plowzone and a scatter of features that included human cremations. Although referred to in subsequent papers about Fourche Maline culture, the materials were not analyzed or published. In 1993, graduate student Jack Stewart completed a manuscript draft that was not brought to publication. In line with the Survey's 50th Anniversary initiative to inventory all legacy projects and bring collections and records up to archival standards, I am conducting a new inventory and analysis with an eye to eventual publication. Since Stewart's work, we now have a forensic study of what turn out to be 26 cremations, and new radiocarbon dates.

The Neosho Problem: Debates, Issues, and Proposed Resolutions
Paige Ford
University of Oklahoma

The Neosho phase (AD 1400-1650) in northeastern Oklahoma, northwestern Arkansas, southwestern Missouri, and southeastern Kansas represents Late Pre-Contact peoples engaged in widespread trade from the Plains to the southeastern United States. The phase has perplexed researchers since its definition, though debates predominately concern one of two main questions concerning the identity of Neosho peoples: emergence and cultural affiliation. Most research to date has focused simply on the question of emergence. Early in these debates, Orr (1946) suggested that Neosho peoples represented one or more plains-oriented groups that had migrated into the area, while Purrington (1971) later argued that Neosho represented a dissolution of the Arkansas River Valley Caddoan-Mississippian system. Numerous issues have inhibited progress in defending either of these models, including a dependence upon research methods relying upon descriptive cultural trait lists, a reluctance to contextualize and emplace Neosho peoples within the region at large, and even the initial definition of the phase and core culture area. This paper represents the beginning stages of my dissertation research and will focus on discussion of the Neosho phase, previous research, issues and debates, and proposed resolutions to the question of Neosho emergence.

The Discovery and Recovery of a 14th Century Dugout Canoe on the Red River
Jeffrey S. Girard
Northwestern State University

Early in June 2017, a remarkable prehistoric dugout canoe was discovered on the banks of the Red River north of Shreveport, Louisiana. At 10.2 m (about 34 ft) in length, it is the largest yet discovered in Louisiana, and one of the largest in the Southeastern United States. A radiocarbon date indicates that the canoe was constructed in the 14th century. This presentation summarizes the challenges that confronted researchers and local volunteers for extracting the canoe from the

riverbank and transporting it to Texas A&M university for conservation; and provides information about nearby Caddo village and ceremonial sites whose past inhabitants might have made and used the boat.

Excavations at the Honey Locus Site (41SM476)
Josh Haefner, Hicks & Company Environmental Consultants
Victor Galan, Deep East Texas Archaeological Consultants

Throughout 2017, Hicks & Company Environmental Consultants conducted data recovery excavations at the Honey Locus Site (41SM476) located near Lindale, Texas. While diagnostic artifacts suggest at least minimal site-use from the Middle Archaic, data indicates intensive Woodland to Caddo Period occupations. Initial investigations included shovel testing, backhoe trenching, 1x1 m test units, and a magnetometer survey to guide subsequent block excavations and systematic mechanical trenching. The investigations documented several large burned rock features, small pit and post features, along with 13 Caddo burials. Artifacts include a variety of dart points, arrow points, debitage and pottery sherds. While detailed analysis of the artifacts and special samples are ongoing, this presentation describes the excavation methodology, features, and available data.

The Symbolic Use of Color and Directionality in the Spiroan Arkansas River Drainage
Scott W. Hammerstedt and Sheila Bobalik Savage
Oklahoma Archeological Survey

Color and directional symbolism were important components of the ritual beliefs and practices of Southeastern and Plains societies. This paper examines the use of color and directionality at a number of Spiroan mound sites in the Arkansas Valley in eastern Oklahoma. Artifacts, mound construction, and structure orientation will be discussed. We then draw on ethnohistoric descriptions to illustrate the role of color and directionality in Spiroan ritual life.

A Provenance and Stylistic Study of Formative Caddo Vessels: Implications for Specialized Ritual Craft Production and Long-Distance Exchange
Shawn P. Lambert
Utah Division of State History

Instrumental Neutron Activation Analysis is used to determine whether Formative Caddo finewares were made locally in the Arkansas River Basin or produced by their Gulf Coastal Plain neighbors to the south. The preliminary INAA results, in concert with a stylistic study indicating very few potters had the knowledge to produce them, show that Formative Caddo finewares were made in the southern Caddo region and exported north to Arkansas River Basin mound centers strictly for mortuary use. These findings suggest an extensive history of specialized ritual production and long-distance exchange between two diverse areas of the Caddo much earlier than expected.

An Inventory of Reconstructed Ceramic Vessels from the Bowman Site (3LR50/3LR46) in Little River County, Arkansas
Duncan P. McKinnon, Katelyn Trammell, Ryan Nguyen, Anna Suarez
University of Central Arkansas

A recent inventory of 36 heavily reconstructed vessels from the Bowman site (3LR50/3LR46) was completed by University of Central Arkansas (UCA) students as part of a directed study course on vessel documentation. The vessels are the result of several bags of broken vessels collected by Harold Spencer from Bowman in the 1960s and reconstructed by Arkansas Archeological Survey (ARAS) volunteers in the 1980s and 1990s. The inventory is part of a larger project to synthesize Bowman material in order to more fully understand site chronology and evaluate exchanges and social relationships with neighboring Red River community centers. While the vessels are heavily reconstructed and their intra-site provenience currently unknown, this initial documentation of vessels offers an example of the challenges inherent in old collections and a demonstration of how "excavation" of old collections can provide foundational knowledge in the development of broader research agendas. In this paper we provide

a summary of the vessel inventory, including ceramic designs, possible types, and next steps in the much overdue evaluation of the Bowman site.

Steaming Pots or Vessel Drums: Ethnographic and Ethnohistorical Evidence in Support of the Vessel Drum Interpretation of Two Shell Gorgets from Spiro

Jim Rees
Arkansas Archeological Society

In two previously published articles (Rees 2010; Rees 2013), I argued that the vessels depicted on two shell gorgets from Spiro described by Phillips and Brown (1984: Pl. 126 and Pl. 127) as steaming pots were, in fact, ceramic vessel drums. The drum argument was largely supported by focusing on certain characteristics of the images themselves as well as comparisons with other examples of Mississippian and Mesoamerican iconography. The present paper will emphasize ethnographic and ethno-historical evidence for the use of ceramic vessel drums in the lower Mississippi valley and Trans-Mississippi Southeast in the 17th and 18th centuries. Of particular interest are the writings of Dumont de Montigny, a French army officer who not only provides a description and a drawing of a ceramic vessel drum used by the Natchez but also describes the contexts in which such drums were used.

WPA-Excavated Harlan Phase Mound Sites in the Arkansas River Drainage

Amanda Regnier, Scott Hammerstedt, and Sheila Savage
Oklahoma Archeological Survey

Between 1934 and 1940, the University of Oklahoma sponsored excavations funded by federal depression relief programs at a number of mound sites in the Arkansas drainage of eastern Oklahoma. While the results of excavations at some sites, particularly Spiro, have been studied and written about extensively, others have been all but ignored. We have recently completed a manuscript documenting the excavations at seven of the mound sites. In this paper, we discuss three little-known sites, Eufaula, Hughes, and Brackett, which were occupied during the Harlan phase (AD 1050-1240) and compare them to contemporaneous sites in the Arkansas drainage.

T-Bar and Wedge-Mouth versus Lightning and Thunder

George Sabo III
Arkansas Archeological Survey

In their monumental Pre-Columbian Shell Engravings from the Craig Mound at Spiro, Oklahoma, Philip Phillips and James A. Brown consolidate a series of compositions (Plates 313 – 323) within a "Paired Figures Confronting a Forked Pole" theme. Anthropomorphic figures on opposite sides of the forked pole exhibit "T-Bar" and "Wedge-Mouth" facial markings. This presentation reviews ongoing discussions concerning the story these images are intended to convey, with special attention devoted to the proposition that the figures might reflect an ancient precursor to "The Brothers who became Lightning and Thunder" narrative reproduced in George A. Dorsey's Traditions of the Caddo.

A Partial Analysis of Ceramic Sherds Collected from the Bowman Site (3LR50/3LR46) in Little River County, Arkansas

Anna Suarez, Paula Long, Duncan P. McKinnon
University of Central Arkansas

A collection of unsorted ceramic sherds from the Bowman site (3LR46/3LR50) was recently analyzed by students at the University of Central Arkansas (UCA) as part of a directed study course in archaeological method. The collection is on loan from the Arkansas Archaeological Survey (ARAS) research station in Magnolia, Arkansas and is largely composed of artifacts obtained by local collectors Joe Shurtleff, James Chance, Harold Spencer, and Cleatious Thomas throughout the 1960s. Around 40 boxes define the collection and the analysis is only partially complete at this time. Nonetheless, the work conducted thus far contributes to broader goals of inventorying Bowman material and developing a better understanding of ceramic design styles, manufacturing forms, and vessel types present at the site. In this paper we introduce the Bowman site, summarize the history of excavations, and present preliminary results from the directed study.

Spiro and the Art of the Mississippian World
Eric Singleton
National Cowboy and Western Heritage Museum

This presentation discusses the various components currently being developed by the National Cowboy & Western Heritage Museum for the Spiro Mounds exhibition opening in February, 2021. The goal is to present, promote, and elicit discussion and feedback from tribal members and scholars regarding potential themes, layout, and presentation of objects.

The Caddo Grass House Project
Jeffrey M. Williams
Stephen F. Austin State University

A traditional Caddo grass house was built at Caddo Mounds State Historic Site near Alto, Texas during the summer of 2016. The fully functional grass house was constructed through a partnership with Caddo Nation elder Phil Cross and the Friends of Caddo Mounds. The Project included funding for a Caddo apprentice to work with Phil and the production of a documentary film that recorded the construction of the Caddo house from the identification and collection of raw materials through the final thatching. The new grass house provides Caddo Mounds State Historic Site with a tangible and visual foundation for interpreting Caddo lifestyle and culture. The Caddo house creates multiple opportunities for in-depth cultural exchange and offers supplemental historical reference of the Caddo people through the preservation and dissemination of Caddo knowledge about the skills required to gather the needed natural resources and the processes of design and construction of traditional Caddo grass houses.

Poster Abstracts

Determination of the Origin of Caddo Artifacts Using SEM-EDS
Lindsey Hazeslip, Anna Suarez-Davis, Robert Mauldin, Tom McCutchen, and Duncan P. McKinnon
University of Central Arkansas

The purpose of this project is to analyze a set of Caddo artifacts, currently on loan from the Arkansas Archeological Society, in order to determine whether they are naturally occurring or human-made. They were excavated from Mound 2 at the Bowman site in the 1960's. It was hypothesized that the artifacts are a type of "iron concretion" that built up over time due to the flow of water through the sediment near the Red River. This project used a scanning electron microscope (SEM) with an energy dispersive x-ray spectrometer to analyze the artifacts. The SEM helped determine which elements are present, and provided a rough estimation of the percentage of each element in the sample. The SEM is a non-destructive instrument, allowing for the same piece of sample to be used in further tests. The SEM identified sand (SiO2) particles embedded in an iron oxide matrix in the exposed interior of the sample, which supports the hypothesis that these artifacts are naturally occurring "iron concretions" and not human-made.

Beginning the Ceramic Analysis of 3SV29, Holman Springs: A Caddo Salt-Processing Site in Sevier County, Arkansas
Fiona Taylor, Arkansas Archeological Survey

The objective of this poster is to present data collected, research methods, and conclusions drawn from the ongoing ceramic analysis of the Holman Springs site (3SV29). This site was excavated during the 1985 and 1986 Arkansas Archeological Society's Annual Training Programs, however, no systematic analysis or reporting of the artifacts was undertaken at the time. The Arkansas Archeological Survey's Southern Arkansas University Research Station in Magnolia, Arkansas currently houses 364 boxes of artifacts from archeological excavations at the Holman site, 269 of which are filled with pottery sherds. This translates to about 73% of all artifacts recovered from Holman Springs. By beginning the systematic analysis and inventory of the ceramic assemblage, I am fulfilling research obligations previously left uncompleted. Currently, I have examined and inventoried about 6.3% of the ceramic collection, which totals more than 8,600 sherds. The majority of sherds inventoried have been body sherds from large, utilitarian storage vessels. Although no diagnostic artifacts have been inventoried and no samples for radiocarbon dating have been sent at this time, I believe this is a Late Caddo site. Using an Access Database, I have been recording decoration, temper, course or fine wares, sherd forms (base, body, or rim), box location, and ceramic types when possible. This poster reflects data gathered from this analysis.