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1921-27 Stratigraphy 1921-1926 (?): Archaeological Sites Chaco Canyon: Site
Measurements 1921-26. In Papers of Frank H. H. Roberts, Box 1, National Anthropological
Archives, Smithsonian Institution, Washington, D. C.



Frank H.H. Roberts Jr.
4851

Archaeological Sites

Chaco Canyon

Box 1

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1921-22 (1921-22)

Stratigraphy
1921-1926

Pueblo Alto, Pottery Test Sections, 1926.

Section Number 1, Stratum A, 1 feet, 4 inches.

(#111)

USNM # 334161

"	B,	2	"	, 2	"
"	C,	2	"	, 10	"
"	D,	3	"	, 6	"
"	E,	4	"	, 3	"
"	F,	4	"	, 6	"
"	G,	5	"	, 4	"
"	H,	5	"	, 6	"
"	I,	6	"	, 4	"
"	J,	6	"	, 10	"
"	K,	8	"	, 0	"
"	L,	9	"	, 0	"
"	M,	9	"	, 10	"
"	N,	10	"	, 5	"
"	O,	11	"	, 3	"
"	P,	12	"	, 5	"

Section Number 2, First seven inches of material showed disturbance and was not counted in the section. The measurements are from the top of the mound, however.

(#112)

USNM # 334162

Stratum A, 1 feet, 6 inches.

"	B,	2	"	, 9	"
"	C,	3	"	, 6	"
"	D,	4	"	, 4	"
"	E,	4	"	, 9	"
"	F,	6	"	, 0	"
"	G,	7	"	, 0	"
"	H,	8	"	, 0	"
"	I,	9	"	, 2	"
"	J,	9	"	, 10	"
"	K,	10	"	, 7	"

Penasco Blanco, Pottery Test Sections, 1926.

Section No. 1. Stratum A, 1 foot, 1 inch,
 (#116)
 USNM # 334166

"	B,	1	"	,	6	"
"	C,	1	"	,	10	"
"	D,	2	"	,	8	"
"	E,	3	"	,	3	"

~~Q-13"
 13"
 13"
 2.5"
 17"
 2.5"~~

Section No. 2. Stratum A, 0 feet, 9 inches.
 (#117)
 USNM # 334167

"	B,	1	"	,	6	"
"	C,	3	"	,	2	"
"	D,	4	"	,	2	"
"	E,	4	"	,	10	"
"	F,	5	"	,	4	"
"	G,	5	"	,	11	"
"	H,	6	"	,	0	"
"	I,	6	"	,	4	"
"	J,	7	"	,	3	"
"	K,	8	"	,	8	"

Section No. 3. Stratum A, 1 feet, 1 inches.
 (#118)
 USNM # 334168

"	B,	2	"	,	0	"
"	C,	2	"	,	6	"
"	D,	3	"	,	5	"
"	E,	4	"	,	1	"
"	F,	5	"	,	3	"
"	G,	5	"	,	9	"
"	H,	6	"	,	1	"
"	I,	7	"	,	0	"
"	J,	7	"	,	4	"

Stratig. sections (Roberts & Amussen) - 1925

I (A-K: 13' deep) West Ct. betw. verticals 232-235,
(334174) From B down, all Transitional
[1925]

II (A-K: 12' deep) West Ct. betw. verticals 249-252 (⚡)
(334175) Sherds: early; Slabhouse @ bottom, 12'
* ~~12~~ lots) In C, intrusive P. III sherds.

III W. mid. trench, betw. R. 136 & mound, cuts
(334176) old water channel. Verticals 185-190; 5'6" deep.
Early Hatching

IV W. mid. trench, 5' S. of III; Verticals 175-180.
(334177) Sherds: Early Hatching. Layers A-D: 7'2" deep.

V East Court, SE of Room 2-C ? [1926. A-T, 10'7"]
(334178) Sherds: Early 20 lots; Layers A-T: 10'7" deep.

VI Room 156 ? [1926. A-O, 11'3"]
(334179) Sherds: Early

VII West Mound betw. Verticals 122-125; A-W, 19'5" deep
(334180) Sherds mixed: MW in ^{box} E; Chaco-S.G., A-M; Kayenta
poly., in D. 1921 test Removed surf. then A-W = 19'5"

VIII East Mound, betw. Verticals 80-83.
(334181) 1924 test; removed surface; then A-P, 10'7" deep.

Section I (Roberts & Amussen, 1925)

West Court Trench, below Verts' 232 & 235. 3' sq.

Stratum

depth (surface cleared to last ct. level)

A	ct. level to 2' below		
B.	2' to 3'	"	From B to K = all <u>transitions</u>
C.	3' " 3'8"		
D	3'8" " 5'7"	"	(upper & lower)
E	5'7" " 7'	"	" "
F	7' " 8'6"	"	" "
G	8'6" " 9'8"	"	
H	9'8" " 10'2"	"	
I	10'2" " 10'8"	"	
J	10'8" " 11'6"	"	
K	11'6" " 13'	"	

Stratig. sections

1921. W. mound (2)

E. end. E. end Hydro trench

1922 W. mound (3rd sample)

E. mound \approx 75' W of 1921 test.

1924 W. mound.

E. mound.

South refuse roads.

Stratigraphy

West end.

1921 twice

1922

1924

East end.

1922

1924

1925

W. Ct. trench

1925

acc. 95112
Cat. No. 334187

shorts

Middle Trench, 1925

From buried channel below
Sta. 0 & 5, 2 lots;

A. 5'8" - 7' below surface

B. 8'7" - 10'6" " "

Section II (Roberts & Amaden, 1925) 3' sq.
 West Court Trench, below Vert's 249 & 252.

Stratum	depth (surface cleared to last ct. level)		
A	ct. level to	1/6" below	
B.	1/6"	" 2'	"
C.	2'	" 4 1/2"	" Intrusive P. III sherds here.
D.	4 1/2"	to 5 1/2"	"
E	5 1/2"	" 5 9"	"
F	5 9"	" 7 1/2"	"
G	7 1/2"	" 8 1/4"	"
H	8 1/4"	" 9 1/2"	"
I	9 1/2"	" 10 1/4"	"
J	10 1/4"	" 10 9"	"
K	10 9"	" 12'	" (Stabhouse floor)

U. S. N. M. 334176

Section III (Roberts & Amsden, 1925)

West Mound Trench, betw. Vert's 185 & 190 (5' x 2')

Stratum	depth	(surface cleared to approx. occupied level.)
A.	12" to 5' below	Early hachure Throat
B.	5' .. 5'6" ..	(<u>into old channel</u>)

U.S.N.M. 334177

5' S. of Sec. III

Section IV (Roberts & Amsden, 1925)

West Mound Trench, betw. Verts 175 & 180 (5' x 2')

Station depths (surface cleared to approx. occupied level)

A. surface to 2' below

B. 2' .. 3' ..

C. 3' .. 4'6" ..

D. 4'6" .. 7'2" ..

Early hachure

U.S.N.M. 334178

Section V (Roberts, 1926)

East Court SE of Kiva 2-C

3.1 sq.

Stratum

depth (surface cleared to approx. occupied level)

Early types

A	surface to 1'3" below.	
B	1'3" .. 1'7" ..	
C	1'7" .. 1'9" ..	
D	1'9" .. 2'2" ..	
E	2'2" .. 2'6" ..	
F	2'6" .. 3'1" ..	
G	3'1" .. 3'3" ..	
H	3'3" .. 3'6" ..	
I	3'6" .. 4' ..	
J	4' .. 4'6" ..	
K	4'6" .. 4'8" ..	
L	4'8" to 5' ..	
M	5' .. 5'2" ..	
N	5'2" .. 5'6" ..	
O	5'6" .. 6'5" ..	
P	6'5" .. 7'2" ..	
Q	7'2" .. 9' ..	
R	9' .. 9'8" ..	
S	9'8" .. 10' ..	
T	10' .. 10'7" ..	

U.S.N.M. 334179

Section VI (Roberts, 1926)

Room 156, below base of foundation.

Stratum

depth. (floor & above removed before N.C.S.)

A.	Founda.	to	17" below	<u>all early types</u>
B.	17"	"	1'11" "	(no sherds in B)
C.	1'11"	"	2'7" "	
D.	2'7"	"	3'2" "	
E.	3'2"	"	4'5" "	
F.	4'5"	"	5'3" "	
G.	5'3"	"	5'7" "	
H.	5'7"	"	6'7" "	
I.	6'7"	"	8' "	
J.	8'	"	8'3" "	
K.	8'3"	"	8'9" "	
L.	8'9"	"	9'2" "	
M.	9'2"	"	9'8" "	
N.	9'8"	"	10' "	
O.	10'	"	11'3" .	

U.S.N.M.

334180

1921

Cited R. +
"MA. P. I-9"

Section VII (Judd, 1921)

West Mound Trench, below Verts 122.2 & 125.2.

Stratum depth (upper 12" removed) Early & Late types mixed

F.H.R. MA.

A surface to 12" below

B. 12" " 17" "

C 1'5" " 2'7" "

D 2'7" " 3'2" "

Karyenta polyph. 1 } F.H.R.

E 3'2" " 3'7" "

1 MA shreds

Roberts MS.
"H.G."

F 3'7" " 4' "

G 4' " 4'5" "

H 4'5" " 5' "

1 C.-sg.

I 5' " 5'4" "

J 5'4" " 5'10" "

K 5'10" " 6'3" "

L 6'3" " 6'8" "

M 6'8" " 7'7" "

N 7'7" " 9'6" "

2 chaco-sg

O 9'6" " 12' "

P 12' " 12'5" "

Q 12'5" " 14'5" "

R 14'5" " 14'9" "

S 14'9" " 15'9" "

T 15'9" " 17'3" "

U 17'3" " 17'8" "

V 17'8" " 18' "

W 18' " 19'5" "

F.H.R. -
none of
new types found
above

vert. 122.2 to 125.2 surf. accum. removed.

Acc. 95/12 # 334180

Sec. VII Sect. 7 (PB) - West 7th. - 1921

depth ~~not~~ agreement

	w. on cards	NE	SE	NW	SW	Debris
130-A	Station 0 to 12" blowing	10"	12"	14"	11"	Ashy earth; stones @ lower W. side.
B	1' to 1'5"	1'5"	1'5"	1'4"	1'6"	5" " sand; stones NW. cor.; wall above N. side
C	1'5" - 2'7"	2'5"	2'2"	3'2"	2'8"	4" Sandy earth; debris reconstruction
D	2'7" - 3'2"	3'2"	2'10"	3'5"	3'2"	7" Ashy earth " " " NW 1/4
E	3'2" - 3'7"	3'3"	3'4"	3'11"	3'9"	5" " " - ash lens on E. side
F	3'7" - 4'	3'6"	3'10"	4'2"	4'4"	5" " " - debris reconstruction
G	4' - 4'5"	3'11"	4'6"	4'7"	4'8"	5" " " - " reconstr. - ^{max. conc. of sh. (not saved) in SW 1/4}
H	4'5" - 5'	4'11"	5'3"	4'7"	5'3"	7" " " - " " + decayed wood
I	5' - 5'4"	5'4"	5'6"	5'1"	5'6"	4" sandy " - " "
J	5'4" - 5'10"	5'7"	5'7"	6'	6'3"	6" ashy " - " "
K	5'10" - 6'3"	5'7"	6'	6'6"	6'9"	5" " " - " "
L	6'3" - 6'8"	6'	6'7"	6'7"	7'7"	5" sandy " - " " ; base = fine bl. ash.
M	6'8" - 7'7"	6'11"	7'4"	7'9"	8'3"	11" " " - " " on W.; base = yellow sand.
N	7'7" - 9'6"	9'7"	9'4"	9'6"	9'5"	23" " " ; { checks for upper 4"; base = floor extending to S. edge
O	9'6" - 12'	11'10"	11'6"	12'4"	12'2"	2'6" Debris reconstr.; base = thin sand streak
P	12' - 12'5"	12'6"	12'2"	12'5"	12'7"	5" " "
Q	12'5" - 14'5"	14'7"	14'	14'9"	14'3"	2" " " ; base = s. layer to S. edge
R	14'5" - 14'9"	14'11"	14'5"	15'1"	14'7"	4" " " ; s. lens @ top & bottom
S	14'9" - 15'9"	15'10"	15'6"	15'10"	15'8"	12" " " ; base = thin s. streak
T	15'9" - 17'3"	17'5"	17'8"	17'1"	17'1"	14" " " - " = " ash lens extend S.
U	17'3" - 17'8"	17'7"	17'10"	17'9"	17'7"	fine sand + charcoal; base is { fine ash streak
V	17'8" - 18' (Island only)	18'	18'3"	17'11"	17'11"	5" " occup.; " = " " " by H x D (Island only) sand + clay clumps
W	18' - 19'5"	19'4"	19'6"	19'4"	19'5"	12" + clay; Strata. s.; sandy base; 3" humus grass in upper NE. cor.

#332-80

W. Meand Stratigraphy 1921

	Total	Strane.	Degen. Trans.	Solid	Plain - band.	Thin. A	B	C	E-N.A.	Gr. 14.	Gr. 15.	Red	Pol. black	not ident. Fossils
A	168		5	20	3	2	25	16	1	48		8	1	3.5
B	21			3		1	1	1		6				9
C	173	1 pre- 2 thin.	7	21	3	7	20	12		68		5	5	22
D	60			5	1		8	5		20			3	8
E	56		1	7			20			17	1	1	6	3
F	87	1	5	9	1	1	7			50			4	9
G	50	1	1	3			8			17		3	3	14
H	122		4	22			26		1	39		1	10	19
I	56	6	1	4	3		5			27			1	9
J	100				2		17			24		3	3	14
K	106	2	5	20	1	1	21			33		1	5	11
L	82		4	11	1	4	14			31		2	8	7
M	305	3	14	23		2	42			182		7	2	30
N	164	1	18	10	26	3	33	2	2	36		1	1	31
O	147	7	15	5	15	2	26	1		39		1	3	33
P	65		5	4	7	1	16			22			2	8
Q	126	2	8	8	5	1	52	10		14		1	4	21
R	41	3	5	1	3		10			10		3	1	5
S	37	1	6		5		7			6		2		10
T	113	3	13		8		29	1		45			4	12
U	23	1	2		5		5			6				4
V	1													1
W	16	2	5		4							1		4

23 2119 41 119 185 93 25 398 49 3 778 1 40 66 310
 1.9% 5.6% 18.2% 36.5% 1.8%

U.S.N.M. 334181

1924

Section VIII (Judd, 1924)

East Mound Trench, Verts 80 & 83

(3' sq.)

Stratum depth (recent surface acccum. removed)

A	surface	to 17" below
B.	1'5"	" 2'7" "
C	2'7"	" 2'10" "
D	2'10"	" 3'3" "
E	3'3"	" 3'11" "
F	3'11"	" 5' "
G	5'	" 5'8" "
H	5'8"	" 6'5" "
I	6'5"	" 7'1" "
J	7'1"	" 7'10" "
K	7'10"	" 8'2" "
L	8'2"	" 8'10" "
M	8'10"	" 9'2" "
N	9'2"	" 9'8" "
O	9'8"	" 10'1" "
P	10'1"	" 10'7" "

Sec. VIII

334181

#134 - East end. 1924

depths not in agreement with those on Cd. # 334181

	on cards	NE	SE	NW	SW	Debris
131-A	Station to 15" below sup	1'4"	1'11"	1'1"	1'3"	4' to SW; 0' to NE Debris occupies base = buried earth - Thin @ NW
B	15" - 2'7"	2'8"	3'	2'2"	2'7"	" " ; rodent holes; base = buried earth
C	2'7" - 2'10"	2'9"	3'2"	2'7"	2'11"	
D	2'10" - 3'3"	3'2"	3'7"	2'11"	3'2"	
E	3'3" - 3'11"	3'10"	4'1"	3'10"	3'10"	
F	3'11" - 5'	5'4"	5'2"	4'8"	4'10"	
G	5' - 5'8"	5'11"	5'10"	5'6"	5'5"	
H	5'8" - 6'5"	6'9"	6'	6'10"	6'	
I	6'5" - 7'1"	7'3"	7'3"	6'10"	7'	
J	7'1" - 7'10"	8'2"	8'3"	7'5"	7'7"	
K	7'10" - 8'2"	8'5"	8'4"	7'10"	8'1"	
L	8'2" - 8'10"	9'	9'1"	8'4"	8'11"	
M	8'10" - 9'2"	9'5"	9'2"	8'10"	9'2"	
N	9'2" - 9'8"	9'10"	9'9"	9'4"	9'8"	
O	9'8" - 10'1"	10'2"	10'2"	9'9"	10'1"	
P	10'1" - 10'7"	10'5"	10'6"	9'10"	10'5"	

Various 1925 stratigraphic tests

USNM	Location	Approximate Test #3	depth	lots
334182	West Md. Trench, Verts	-30 to -40	9'9" - 10'8"	1
334183	" " " "	+5 " +10	2-4'	1
334184	" " " "	55 - 60	@ 10'	1
334185	" " " "	190 - 195	5' - 5'6"	1
334186	" " " "	355 - 365	6'2 - 7'9"	1

334187	Middle Trench, Verts	0 - 5		2
A	stratum at	5'8" to 7'	below	
B	"	8'7" " 10'6"	"	