

**COLLECTION:** Chaco Archive

**CDI  
ACCESSION  
NUMBER:**

000649

**ERRATA:**

**COMMENTS:**

(C85935/VA2096B) Typed transcription of Judd's and Ruppert's note cards from the excavation of Pueblo Bonito and Pueblo del Arroyo.

**CITATION:**

Windes, Thomas C.  
1978 Notes by Judd and Ruppert Pueblo Bonito and Pueblo del Arroyo. Chaco Archive No. C85935, NPS Chaco Culture NHP Museum Archive, University of New Mexico, Albuquerque



Notes by Judd & Ruppert from Pueblo Bonito  
and Pueblo del Arroyo.

- Includes: 1) notes from Bonito room cards generally not included in reports (often hard to be sure)-occasionally info. is wrong in reports-ALL his architectural & strat. data came from these field note cards. I checked all rooms with 1st & 4th style masonry (e.g. 1st & last constructed rooms -not enough time to go thru all 1300± CARDS. Also mentioned to include 3rd style masonry rooms in East Wing. Generally I checked for notes on fill, finds, subfloor, posts & steps.
- 2) notes from del Arroyo room cards generally not included in reports, but did all rooms for fill & finds only. Quick check of firepits, posts & mealing bins. for info not included in report.
- 3) Notecard descriptions of Bonito & del Arroyo huge firepits like those found at Pueblo Alto.
- 4) Sherd counts 1921 Bonito West Mound strat tests.
- 5) Sherd counts from Bonito Kiva 2-D (not included in totals from rooms & kivas at Bonito being xeroxed.

Windes  
12 Jan 78

VA 2096B-2

1

OLD BONITO ROOMS

ROOM 3

Room 91 is 2nd story of Rm. 3.

Room 3A (from Pepper p. 43-44)

CEILING BEAMS

POST 3" in diameter in SW (W?) and SE (S?) corners extending through ceiling (p. 44).

Room 3B:

CEILING 23 poles--cottonwood, pine, juniper, pinon, and what Navajo call "aspen". Pole, cottonwood,  $5\frac{1}{2}$ " dia., protrudes from NW wall 26" from W corner 37"; its s end formerly resting on northernmost ceiling pole. This 37" pole supported 5 short sticks slanting down to wall at each side to form "platform" at north end of second story Room 3D. Chico brush cover ceiling poles then adobe mud.

Room 3B-2

CEILING of logs, 3-6" dia., extending N (NE) and S (SW); layer of twigs above.

~~Rm. 3C~~ POST, 8" dia. at NW end of room, 2 $\frac{1}{4}$ " from S (SW) wall as support for EW (NE-SW) beam.

Room 3C-2

POLES 3" dia from N to S (NW to SE?). 3 poles in N (NW?) wall extending through from next room.

POST 9" dia. in W corner, 22" from NW wall 3" from SW wall supported single EW (NE to SW?) beam.

Room 3D

PLATFORM at W (NW) end about 1' high by 3' broad, extending from N to S (NE to SW) walls.

OLD BONITIAN ROOMS

Room 6

Windes  
12 Jan 78

## OLD BONITIAN ROOMS

Room 6

MASONRY of old first type--large, undressed sandstone slabs laid in large quantities of mud. Rough masonry was plastered over. Plaster mostly missing from N wall. Base of wall was formed by upright slabs from 12 to 20" high.

Room 6\*2

CEILING BEAMS OF PINE AND COTTONWOOD latter predominate.

STEP ~~these beams were directly above the post step to S door.~~ Steps to door: 1) a post  $4\frac{1}{2}$ " dia by 5" high set in floor 8" from wall directly below door; 2) Projecting top of wall base-slab, 22" above floor; 3) projecting wall slab 27" above floor. No wall recesses noted.

KIVA

16

Right post at rear of bench. Subfloor test of NE corner revealed several small slab-sided pits side by side, 2 post holes, a first type wall 30" wide and raised to within 19" of its associated floor as its slightly concave east side <sup>passed</sup> under kiva bench 15'4" from inner SW corner Room 210. 4' of old wall exposed is plastered on both sides, bench of Kiva 16 rests directly upon it.

ROOMS

34

MASONRY - W. wall of laminate s.s. in 4th type, with occasional larger blocks in short bands; other walls resemble 3rd type..built from salvaged stones. FIREPLACES 3 in NW quarter each lined and paved with slabs. Sketch shows relative position 1, built directly on wall and over subfloor trench is 6" from N wall and 20" from W wall; measures 16"x16"x5"deep. No.2 measures 12"NS x 13" x 5" deep. No.3, five-sided, measures 12"NSx10"x5" d. Each contained ashes; slabs of each slope outward.

ARTIFACTS. Found in room debris: 7 hammerstones, 3 manos, 2 fragments of petrified wood, 1 small antler fragment and miscellaneous potsherds. None retained.

83

He reexcavated SW quarter to confirm Pepper's description in identification of subfloor kiva as first type masonry. OK. Its masonry consists mostly of large, unworked blocks of friable sandstone heavily plastered and smoke stained, sloping outward at the top. Benches 3'2" high.

87

POST N W end floor to ceiling pole stubs, 9'10" (high? TW). MASONRY chiefly third type although reuse of dressed friable and laminate blocks from raised second type suggests second type construction especially in lower NW corner.

88

Noted as an early Bonitian Room but Judd in his notes says that it's classed as third type masonry

68

MASONRY - Of 3rd type masonry; all 4 walls rest upon partly razed 1st type masonry. Original floor rested directly upon these subfloor walls, not 1 ft. above them as reported by Pepper. Floor lies 8'9" below present top of wall at NE corner, approx 4' below floor of Rm. 314.

107

MASONRY Pepper describes slabs on edge facing SE foundation to form bench 1' w. x 2'6" high. <sup>Rm 107</sup>NGS test shows 1st type masonry; 1st type S. wall abutting smoked plaster on NE wall & plaster on former rounding off to new coat on latter which abuts palster on NW wall. There is but one floor level altho NE wall foundation is 16" high & S. wall foundation, 24" high. Below foundations, clean blown sand.

Room 108

Where it says rooms 108 and 109 "overly" the underground rooms described in connection with Room 3"  
POST as beam support stood 42" from E corner and 8" from NE wall, in slab sided pit, 17" dia. by 16" deep, packed with shale.

Room 110

MASONRY first type masonry. Also known as room 3B.

Room 296

MASONRY first type--sandstone slabs of full wall thickness and mostly chipped on edges; adobe pressed in between, covering most of stones and fingerprints showing always. All walls smoke stained (most marked west end) as a result of fire which destroyed Room 298.  
ROOF POLES--pine, cottonwood, box elder, pinon--have been crushed vertically against side walls by collapse of upper masonry.  
FLOOR ill-defined and unplastered surface of sand deposits. Wall foundations average 18" high and lie rather flush with wall face. No fireplace on floor.  
FILL inch plus or minus layer of cedar chips in splinters containing miscellaneous sherds; above this, fallen masonry filling the room.  
ARTIFACTS. Artifacts recovered came from above chipped layer, as though fallen from second story. Besides catalog specimens, the following were noted left in the room: 9 manos, 2 tabular metates, both troughed. one mano like smoothing stone, 2 hammerstones, 1 stone tablet with chipped edges and both faces showing wear from grinding, several small unworked pebbles, decayed fragments of feather cloth robe, squash stems and ring, fragments of canyon walnuts, flint chips and one arrow point tip, fragments of various sized yucca cord. Small rectangular pieces of turquoise later placed in miscellaneous Bonito finds.

Room 296B.

Second story W corner masonry still stands 4 $\frac{1}{2}$ ' + or - above its floor level, shows walls more carefully plastered than in lower story. Plaster had been whitened.

Room 297B

MASONRY. First story not excavated, second story floor not exposed and may be intact together with first story ceiling.

Room 298

Story room numbered 15 but not excavated by Pepper.  
MASONRY. Pure first type stone work roughly and thickly daubed with adobe. No certain foundations. At base of masonry, an ill defined and uneven surface upon which rested a 1 $\frac{1}{4}$ " layer of cedar chips and other vegetal matter, mixed with sand and containing miscellaneous sherds. Upon chipped layer sand covered, were charred ceiling poles; between them, quantities of rat droppings.  
DOOR with split cedar lentils evidenced in middle SW wall, its broken sill and jams are smoked suggesting its destruction before the fire. No ventilators. Fire had destroyed first and second story ceilings, burning the wall adobe in both rooms. Chip layer on lower floor level was but slightly charred.  
ARTIFACTS quantities of discoidal beads were found throughout and upon the sand layer covering chips on floor level. Besides catalog material the following were found: 6 hammerstones, 6 water worn cobbles, 1 smoothing stone, several fragments of dressed pine boards. Also squash stems,

Room 298 (cont'd)

ARTIFACTS (cont'd) rinds and seeds, 2 canyon walnuts ; fragments of basketry and cloth; braided corn husks and end of arrow shaft showing notch and feather wrappings; pinon nuts; corn husks; flint and obsidian chips; fragments of burned jet pendant; 2 fragments of stalagtitical material.

Room 298 B

MASONRY. walls of first type masonry. Second story walls more completely and evenly plastered than those of first story. Rooms 298 B and C doubtless served as living quarters; the lowest story being used for storage.

Room 306

MASONRY first type with smaller than usual stones employed. Walls heavily plastered and slightly smoke stained.

FILL. Room mostly filled with fairly clean sand.

POST 4" dia. stood against middle W wall and NW corner as beam supports; that in NW corner was braced by stones on edge partly embedded in floor. Close in SE corner, a 4" dia post hole extends 3' below floor level. Holes in floor, not lined and without definite inside dimensions. In NE corner hole 15" dia. extends down to apparent floor 28" below that of Room 306, filled with sandy earth containing charcoal fragments and a handful of miscellaneous sherds. In SW corner, oval hole 20" wide and 30" long against west wall, was cleared to a depth of 4'; filled with sand. Hole 13" wide and 17" N S, lay against E wall 44" from SE corner, cleared to depth of 27"; contained debris of occupation. Infant burial with head to W and back against S wall, found in hole 9" wide by 14" long by 5" deep against S wall, 34" from SW corner; fragments of decayed sticks covered body. 2 macaw skeletons, covered by  $\frac{1}{2}$  mano lay in hole 6 $\frac{1}{2}$ " dia, by 4" deep, at point 18" from N wall and 25" from E wall; a third macaw skeleton covered with stone fragments, lay in a hole 10" dia. by 4" deep, at a point 14" from W wall and 28" from N wall. While none of these holes was purposely walled within, their openings were plainly evident at room floor.

FOUNDATIONS. Base of N and E wall masonry lies 11" below floor level; base of W wall, 13" below room 306 floor. Circle slabs on edge stood at intervals about base of walls.

ARTIFACTS beside catalog specimens, the following were noted and left in the room: 1 slightly used metate; 14 manos; 9 hammerstones; 3 water worn cobbles, slightly used as smoothers or hammers; 1 grooved cobble, 4 $\frac{1}{2}$ " dia. by 9" length, with 1 flake missing otherwise unworked; 3 worked stone slabs of various shapes; 1 large unsmooth slab; part of a door slab; 1 mano like stone rubbed on one side with red and yellow paint; 1 smooth stone 11" wide by 14" by 2 $\frac{1}{2}$ " thick rubbed with white paint. Macaw skeletons identified by Dr. Wetmore. Most of sherds recovered at or near floor level.

Winds  
13 Jan 78

Old Bontian Rooms (e.g. 1st & 2nd type masonry)

ROOM 307 (8/3/23) MASONRY is 1st type, smoother with smaller stones than usual; walls heavily plastered with exception of W. which is rougher & of large blocks. Originally Rms 306, 307-307 I formed single room.  
Posts: 3 against N. wall at 13", 6' & 12'6" respectively fr. NE corner, av. 5" dia.; 4 against S. wall at 6", 15", 7'10" & 12'10", respect., fr. SE corner. Excepting that in SE corner, none of these posts stood directly under poles but all post tops showed cut ends, smoothed where poles had rubbed. The 2 SE corner posts were half inclosed by block of masonry, 24"w.x7"th.x16"h.  
Subfloor tests show earlier floor at depth of 7"; init, a number of bins, each lined with slabs on edge &, with one exception, floored only with sand. Each bin filled with sand containing ash; each was surfaced over with adobe at lower flooe level. #1 bin is crushed down & built over by W wall of room; #2 is 14" w.x 34"l.x10d.; #3 is 27"w.x29"xl0"d. & lies 4'5" from W.wall x 3'4" from S.wall; #4 is 19"xl9"xl1"d.; #5 is 17"xl8"x10"d.; #6 is 7"w.x15"x9"d.; #7 is 14"w.x24"x7d. and 27" from E.wall. Metatefgts were used in several bins; #3 is slab floored. These rest on mass of charred sticks, overlying clean, undisturbed sand at point 2'6" below lower floor level.  
Fill (of room above subfloor): Filled with mostly with blown sand, mixed with debris of occupation; covered by debris thrown by Hyde Exped from Rm. 84.  
Artifacts-besides cataloged specimens, were found in fill: 13 metate frags & 12 metates 10 of which were of "scoop" type (& 2 only of the broad, thin type) apparently belonging to later periods; 33 manos; 4 doorslabs & 4 fgts of others; 1 dressed slab, 10"w.x 18" L.xl" thick & a fgt of another; 14 hammerstones; 7 waterworn cobbles showing little or no use; flint, quartz & obsidian chips; 1 stone disk 10" dia.x2½" thick, having a slight groove around the periphery; 1 smoothing stone. Also misc. deer & bird bones; 1 olivella bead. Many of larger stones were found at or slightly below the 2nd story floor level. Only 869 sherds, mostly LB.

ROOM 308

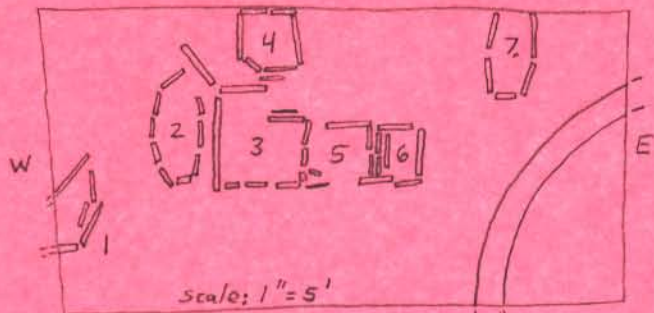
Fire-stained hole 14"dia x 14"d., against E wall 20" from NE corner, filled with burned rocks & ashy sand.  
Fill of blown sand, in this, misc sherds & several stone implts.  
Artifacts besides cataloged specimens, 4 manos; 1 each-disc jar cover, hammerstone, smoothing stone, dressed door? slab 10"w.x14"x3/4"th; 1 firedog-left in room.  
Subfloor Fill- On this earlier floor (7"), under W end of masonry pillar, parrot skeleton without evidence of intentional burial. In fill between floors various corrug. pot fgts & bowl sherds with Chaco hachure.

ROOM 309

Masonry 2nd type E&W walls abut plastered 1st type N.wall; latter shows limited 2nd type repairs. All 4 walls heavily plastered, whitewashed, & smoke stained; walls repeatedly plastered. No remains of ceiling.  
Fill of blown sand & debris of occupation including many potsherds (2118).  
Artifacts: Besides cataloged specimens, 1 trough metate & fgts of 2 others, ½ a tabular metate, 5 manos, many flint chips. Decayed fgts of antler but no mammal or bird bones.  
Special features suggesting 309 was rect. cult room: Fireplace, Ventilator, deflector, repository, E. bench, NE alcove, repository, pit, vault, SE alcove, SW alcove, NW alcove.

ROOM 317

Fill below ceiling at NE end, consisted of 5' of stratified sand with silt lenses deposited by rains. Remainder of fill to above ceiling level is fallen masonry, mixed with blown sand. About 1 peck of misc. sherds from lower deposits.



ROOM 307, SUBFLOOR



Fig. 4 1" = 300 FT. Rafael

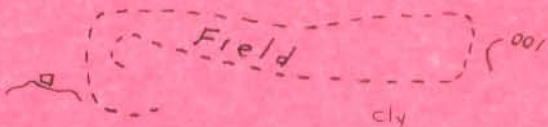


Fig. 5 1" = 300 FT. cly

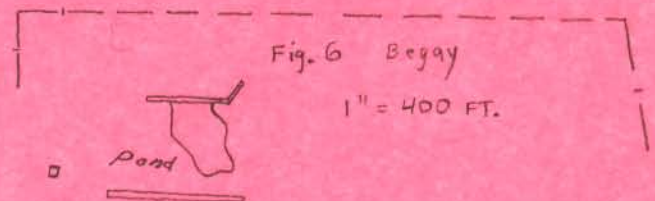


Fig. 6 Begay  
1" = 400 FT.

Fig. 7 = 1" = 300 FT.

ORIGINAL SIZES ABOVE

ROOM 318

ARTIFACTS. Collections not retained include: 3 notched cobblestones; 4 manos; 7 hammerstones; 2 pieces of unworked silicified wood; 1 unworked fgt of sulphur; 1 unworked fgt. of red claystone; 1 eagle claw; handful of pinon nuts (apparently brought in by rats); small quantity of misc. sherds. Among bones found in Room 318 were the following identified by Dr. A.W. Wetmore: Wild Turkey (*Meleagris gallopavo*), Raven (*Coriris corax*), also mammal bones: dog leg bones (*Canis familiaris* Linne), rabbit, ground squirrel; mule deer (*Odocoileus hemionus*).  
Fill 3rd story is indicated by quantity of fallen masonry filling lower room.

ROOM 319

Fill Against middle E wall, stratified blown sand 11" deep, thinning toward either end. On floor near middle N. wall, a thin s.s. slab with carefully dressed edges & squared corners may have served as door; one end is missing but it measures 14 $\frac{1}{4}$ " w. x 18" long. Fallen masonry & blown sand completely filled the room; had crushed ceiling poles.

Artifacts: Uncataloged specimens include: 1 mano; 1 grooved friable s.s. maul 6" dia. x 10" long showing no evidence of battering.

ROOM 323

Posts. Near SE ~~at~~ wall, 8 posts (7 mentioned in report-TW) supported main beams (8). They stood: #1-straight-grained pine, 7 $\frac{1}{2}$ " dia., 5'6" from NE wall, 2'5" from SE wall; #2-pine 7 $\frac{1}{2}$ " dia., 12'8" from NE wall, 35" from SE  
 #3 does not exist (error in orig. notes)  
 #4-is 18' from SW wall, 5'4" from SE  
 #5-is 12'9" from SW, 3' from SE wall  
 #6- is 8' from SW wall, 4'10" from SE  
 #7-is 4'3" from SW wall, 21" from SE  
 #8-stood against SW wall, 3'7" from S. corner  
 #9-also stood against SW wall, 9'3" from S. corner

With 2 exceptions (#6 & 9), the bases of these posts rested just below floor level, surrounded by s.s. slabs averaging 20" long & set on edge in dug holes; shale was packed in holes between slabs & posts & under posts; ends of slabs at floor level, & shale packing was then covered by an adobe cone rising up 6-8" about posts. Post #6 was surrounded by rude masonry instead of slabs; #9 rested on floor enclosed by an adobe cone but neither shale nor slabs as base support. All posts, mostly decayed, had been straight-grained pine. AED readings of beams & posts from R.323, 1945: JBD#114-beam no date; 115-beam, no date; 116-post under #114-AD 919; 117-post under #115-AD 919.  
Floor-At SW end, floor is ill defined-chiefly a thin, dark surface of ash on sand deposit. In this ~~sand~~ sand, 5 cooking pots were found buried with rims at floor level; all are of early type-plain body, banded neck. One pot lay at W base of Post #7, another lay at S. side of Post #6; the 3rd lay against SW wall, below E jamb of door; the 4th lay 3' from SW wall & 4' from W. corner & the 5th was buried on N. side of Post #1.

Subfloor: In S. corner, masonry foundations rest, 17" below floor level, on a sandy deposit containing bits of charcoal; clean sand lies 3'5" below floor. Test hole in middle of room showed clean sand at depth of 4'6". Base slabs for posts stood in sand layer under floor.

Fill- Debris of occupation filled N. half of room to depth of 3ft; slightly less at S. half. Large quantities of sherds found in this debris.

Artifacts- The following specimens were noted & left in the room: 3 metates; 49 manos & fgts of 7 others; 119 hammerstones; 5 smoothing stones; 2 fgts of worked s.s. slabs; 2 squared s.s. jar covers; 47 unworked pebbles; 6 larger unworked ~~pebbles~~ cobblestones; 10 fgts of silicified wood; 7 small s.s. balls & 1 of  $\frac{1}{4}$ " dia, unworked; 6 unworked s.s. concretion cups; misc. flint & obsidian chips. Also, squash stems, seeds & rind fgts.; pinon nut shells; corncobs, both charred & decayed; 3 fgts. cholla cactus. Dr. Wetmore identified the following bones: Wild turkey, Red Tailed Hawk, Golden Eagle, Mt. Sheep, Jack Rabbit, Mule Deer, Antelope, Badger, Cottontail, Wildcat & Coyote.

ROOM 325

Steps: Below E. door, a log split in half was set on stones to form a step 9" wide, 41" long & 9" high. (In report-TW)

Posts. Ceiling gone but 7 posts had supported E. ends of beams. Post stand:  
No.1-in slab lined hole, 16" dia., 5" from S. wall & 46" from SE corner; in middle, a 6" dia. post packed about with shale.

No.2-post, 7½" dia., stood 23" from S. wall & 19" from E; adobe cone 14" high packed on floor, about post.

No.3-post position marked by 6-sided, slab-lined hole 21" wide x 30" long x 30" deep-larger than usual-lying 8'6" from S. wall & 31" from E. wall. Hole had slab at bottom; contained shale packing, some of which showed evidence of fire; no post.

No.4- post, 7½" dia., stands 10'5" from S. wall; 23" from E. side.

No.5-post stood on 5-sided, slab-lined hole 18"x19" lying 16'8" from S. & 35" from E. walls; hole filled with shale & covered, at floor level, with adobe cone surrounding post.

No.6-post, 28" from N. wall & 41" from E. side, also stood in slab-lined hole packed with shale & adobe covered. Fifth & 6th posts were almost completely decayed.

No.7- post, 16" from N. & 13" from E. wall, is 8½" dia., surrounded by smaller slabs & packed with shale; post was standing 6' above floor but upper end had decayed.

JPB#106, post in SE corn dated AD 919. JPB#113, post in NE corner dated AD 919.

Fill: Stratified sand av. 16" deep lay on floor; above sand about 5' debris of occupation mixed with debris of reconstruction.

Artifacts: In this dump were found, besides cataloged specimens, bird & mammal bones; corncobs; pinon nut shells; squash stems, seeds, & rind fgts.; 26 manos of various shapes & sizes & fgts of 10 others; 57 hammerstones; 8 fgts of unworked silicified wood; 19 quartzite pebbles, slightly worn; 1 large s.s. "maul" with encircling groove; 6 smoothing stones; flint & obsidian chips; fgt of tcamahia; 4 unworked s.s. concretions; 1 abrading stone; 1 fgt. of shell pendant; 2 eagle claws. Wetmore identified Wild turkey, hawk, Jack Rabbit, Antelope, Deer, 1 jaw of Mt. Sheep, Cottontail.

Subfloor- Dark surface of sand regarded as floor. In NW cor., base of walls 15" below floor; clean sand below. In SW cor., base of walls 31" below floor, resting on clean gravelly sand. This 31" composed of debris of reconstruction; in it, a few early type sherds; 2 fgts turquoise; 1 fgt shell bracelet; 1 discoidal bone bead-- all given to Indian workman.

R

ROOM 326

Posts: Six former beam supports show on E. side:

No.1- represented by hole 6½" dia., stood 28" from N. wall & 20½" from E., in middle of adobe cone 32" dia. x 13" high.

No.2- stands 9'8" from N. wall & 19" from E.; shale packing for post was floored over & on it, inclosing post; is adobe ring 31" dia. (outside) x ~~9~~ 9" wide x 3" high.

No.3- post stands in slab-lined hole, packed with shale, 13' from N. wall & # 3'8" from E. Neg. 28436-A shows adobe cone about #3.

No.4-7" dia., stands 17'8" from N. wall & 15" from E., surrounded by adobe cone 30" dia. x 5" high.

No.5-Also with adobe cone, is 6' from S. wall & 3'4" from E. side.

No.6- 7" dia., is 31" from S. wall & 13" from E.; likewise surrounded by adobe cone 33" dia. x 6" high.

Beneath these cones, each post doubtless packed with shale inclosed by slabs on edge with top at floor level.

Fill: Floor is packed adobe of fairly uniform level. On floor thruout N.2/3 of room, blown sand averaged 6" deep; above it, a 4" layer debris of occupation containing numerous sherds; upon this latter, about 5" of blown sand mixt with floor sweepings & debris of reconstruction. None of these layers was uniform thruout; each was a bit deeper along sides than in middle of room. Fill of S.1/3 differs: On floor, razed wall debris dominant in lower 10"; over this, variable sand & debris of occupation. Decayed ceiling poles & adobe from upper floors lay on the 15" accumulation in middle of room. On, between & beneath these poles & adobe spalls were several disturbed burials.

ROOM 326 (cont'd)

Above them, an 18" layer of debris of occupation; above latter, about 2' blown sand & floor sweepings with a 2nd layer of ceiling poles about 5 ft. above floor level. Above this 2nd pole layer, fallen masonry & blown sand to height of walls.

Subfloor : In SW corner, rude foundations (aside from those mentioned in report-TW) (mostly sandy adobe) rest on clean sand 22" below floor level. see Neg#28503-A.

On this lower floor level, masonry bins occupied the NW, SW & SE corners. SE Bin, measuring 31" on inner E & S sides, was formed by masonry 8" thick x 9" high. that rested on floor, abutted plastered face of S. pole-&-adobe wall & extended beneath N. end of upper level. SE corner bench perhaps to abut plastered E. wall. NW Bin measures, inside, 4'9" on N x 5'5" on W; its floor is 5" below that of room; its concave enclosing wall, 9" thick x 13" high (fr. bin floor) abuts plastered N & W walls of room. SW Bin, with floor 3" below that of early room, measures 34" on S. x 4'10" on W; its slightly concave wall, 8" thick x 8" high (from bin floor) abuts plastered S. wall of room & abuts masonry of NW bin 33" from W. wall of room.

Post: Ceiling prop noted 4'9" from NE cor. & 5' from SE cor., is set in lower floor.

Subfloor Fill: Between upper & lower floors fill consisted of sand with small proportion of floor sweepings. In this fill, the following uncataloged specimens: Artifacts 24 hammerstones;  $\frac{1}{2}$  disc. jar cover; flint chips; misc. bones (chiefly deer); a few sherds.

ROOM 328

Fill: Consisted of blown sand & debris of occupation.

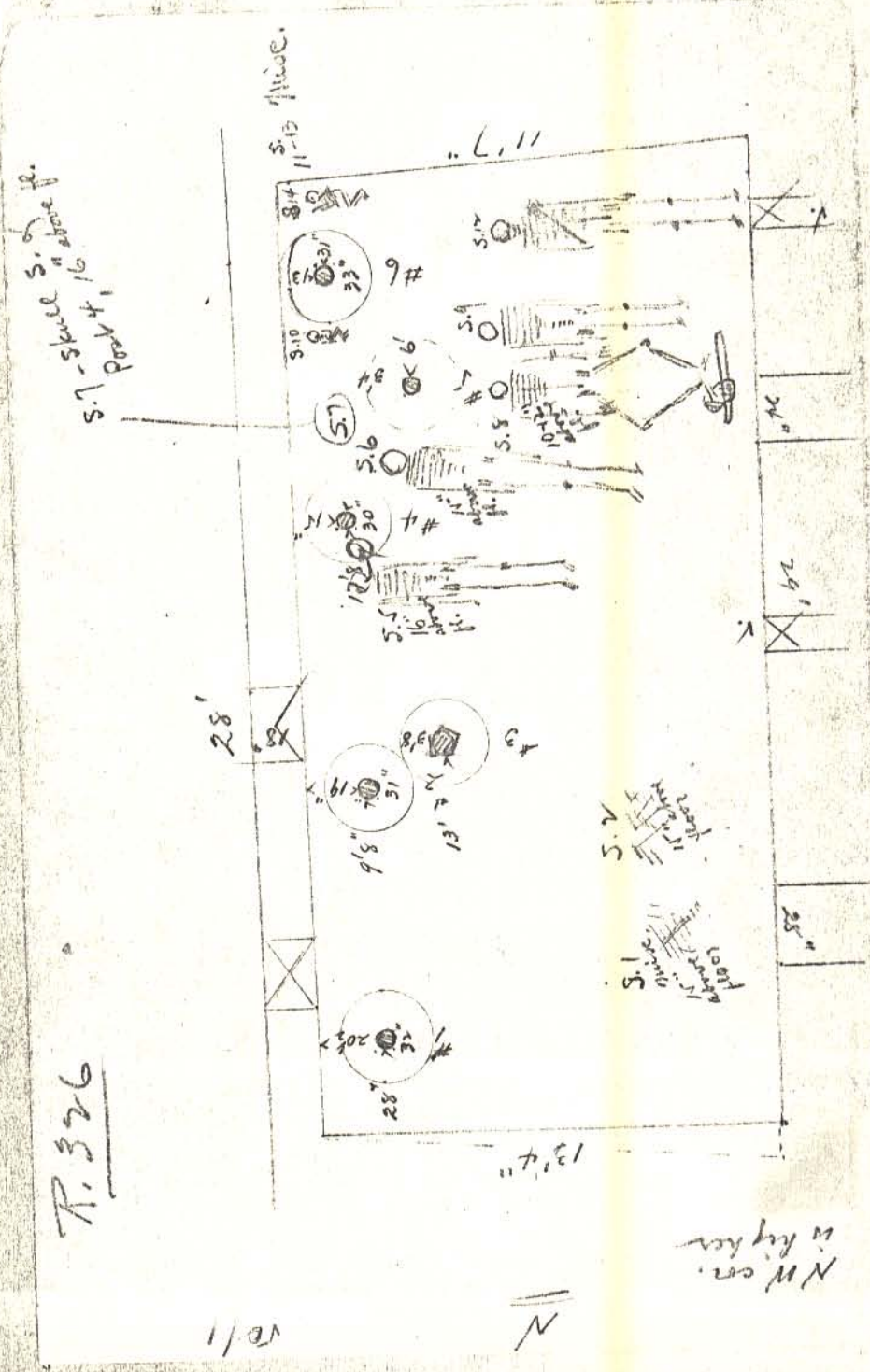
Artifacts: In this (above-TW) the following uncataloged specimens were noted: 13 manos & fgts of 19 others; 28 hammerstones; 4 s.s. smoothers;  $\frac{1}{2}$  dressed s.s. tablet; 5 roughly conical s.s. blocks averaging 5" dia x 7" high; flint chips; sections of fossil crinoid stem; 5 small fgts of turquoise (given to Zuni workman); fgt. of planting stick  $2\frac{1}{2}$ " w.; squash rind & stems; charred yucca cord; misc. potsherds, bird & mammal bones. From among among the latter the following have been identified by Dr. A. Wetmore: Ferruginous rough-legged hawk; Red-tailed hawk, Golden Eagle, Turkey. By Shamel: antelope mule deer, Jack Rabbit; Cottontail Rabbit.

ROOM 329

Posts: Beam in E. wall had been supported by a 7" post set 8" from S. wall & 30" from SE corner. This post apparently replaced a similar prop whose position, 10" E of the other, is marked by slabs on edge below floor & a shale fill. Two smaller posts are noted, each about 4" dia. & 4'4" from S. wall. One of these had stood in a dug hole 3" from E. wall; its base was enclosed by small stones on edge. The 2nd post, 5' from SE cor., was surrounded at base by buried stones on edge, covered by a cone of adobe mud. A 4th post, set in a slab box & packed with shale, stood 8'2" from SE corner & 35" from E. wall; it subsequently was incorporated in SW corner of the NE compartment.

Fill & Artifacts: In the sandy debris covering floor the following uncataloged specimens were noted: 6 metates; 4 manos; 10 hammerstones; 6 unused pebbles; 3 roughly chipped s.s. jar covers; flint chips & fgts of silicified wood; misc. mammal & bird bones. Five additional manos were recovered on the upper layer, among the burials. It should be noted that the upper portion of NE compartment lies above the burial level.

Subfloor: test shows base of W. wall foundation 42" beneath floor level; about 10" of sand containing bits of charcoal beneath. North & S. walls rest on 20" high foundations, mostly adobe mud. Hence R.329 built against R. 326.



NW cor. M. K. K. K.

ROOM 330

Fill - After burial of skeletons 22, 23 & 24, room appears to have been briefly used as a dump, for debris of occupation formed a 2" layer over floor. Then came a 16" layer of sandy earth in which 20 of the 23 burials had been made; ceiling had fallen upon this 18" deposit. In SE cor., about 4' above floor level, 6" of stratified sand was deposited by rain water after collapse of ceiling & abandonment of room.

Subfloor- Test showed jutting W foundation passing under S. wall 27" from SW corner; under N. wall, 9" from NW corner. Foundation, of rough s.s. blocks laid in abundant adobe, varies in height from 15" at N. to 37" at S. & rests on 7" of sand bearing charcoal bits; then 2"-4" of ash; then 10" of sand bearing charcoal bits with s.s. spalls at base of layer. Clean sand encountered 36"-56" below floor level. South foundation varies in height from 16"-27" & rests on a 21" layer of sand bearing ash & occasional adobe chunks; clean sand encountered about 4' below floor level. Test in SE cor., showed foundations 22" high resting on a 21" layer of sand containing bits of charcoal & adobe chunks. Clean sand encountered 4' below floor; at depth of 4'6", a thin lens of gravel.

Artifacts- Finds not cataloged include: 4 fgts of metates; 5 manos & fgts of 6 others; 31 hammerstones; 3 stone jar covers; fgts of 6 s.s. tablets; part of rectangular paint mortar; flint chips & bits of silicified wood; several burned stones, perhaps firedogs; misc. sherds, bird & mammal bones. Among the latter, Dr. Wetmore identified Golden Eagle. Also a grizzly bear claw.

LATE BONITO ROOMS 4th type masonryROOM 27

Masonry- Mostly alternating courses of thick & thin laminate s.s.; few chips used a s chinking. West wall is 4th type; others most resemble 3rd type but are probably 4th. Artifacts- Specimens found on floor: 1 slightly used metate; several much worn & manos & smoothing stones. Pepper noted mass of white s.s. on floor at S. end. This pile, still present, was about 20" deep. The stone comes from a ledge on the mesa S. of Bonito; when damp, it is soft and easily crushed in the hand. It probably was used for whitewash since it agrees in color & feel with whitened plaster on kiva benches & numerous dwellings.

Two walls of apparent 3rd type masonry, pass under N. end of room.

ROOM 28 B

Masonry- Room extends over 1st story rooms 28 & 28a. N. wall of Rms. 28-28a must have been built in a 1st type room to support 2nd story, 2nd type structures; the 4th type S. wall of Rm. 28B rests on 1st type masonry & with 2nd type W. wall of Rm. 28 B covered an open room in which the late types of pottery were cached, as described by Pepper. Sand had washed into this lower room (R.28), Pepper, p.117.

ROOM 34 - see Old Bonito Rooms section.

ROOM 57

Masonry - Fourth type masonry abutting & overlying 1st type abandoned walls, as described by Pepper, p.218-219. NW corner (1st type) is tied; SE cor., (4th type) also tied. South wall abuts W, on inside only; E. abuts 1st type N. wall. Imbedded in W. wall, 37" from SW corner, is a 5½" dia. post (Pepper, p.219)- JPB#48, N. wall beam gave AED 1071(date-TW). JPB#49-struct embedded in wall between Rms 55 & 57 gave AED. 1083± 2.

ROOM 142

Masonry- Of original room, is 3rd type with dressed, laminate s.s. predominating. East wall of banded 4th type, abutting on N. & seemingly later; reconstruction in same type evidenced in fragmentary S. wall.

ROOM 153

Fill- Lower 1/3 of room filled with fine ashy earth containing potsherds & other discards.

Artifacts - Those not retained include: 4 hammerstones; 2 manos & 1 mano fgt. stained red.

Subfloor- Both earlier floors (at depths of 15" & 25" below floor) spread on debris of reconstruction; i.e., adobe chunks, spalls, etc. Below lowest floor is soft ashy earth containing O.B. sherds to depth of 9'6" where clay was encountered. This space obviously a dump before walls were erected.

ROOM 154

Artifacts- Several manos, hammerstones, etc., found on floor; also, potsherds. Subfloor tests not made.

ROOM 170

Masonry - Banded 4th type; some of larger blocks dressed by pecking. All corners tied; plaster adheres in NW cor., on platform face.

ROOM 171

Masonry- Banded 4th type with occasional dressed blocks; more rarely, dressed friable s.s. N. wall abuts on W; others apparently tied.

ROOM 172

Masonry- Of banded 4th type with occasional dressed blocks of laminate s.s. Blocks present in 2nd & 3rd story walls at N, E & W.

ROOM 174

Masonry- Of banded 4th type with occasional dressed blocks of laminate s.s. &, less often, dressed blocks of friable s.s. West side exceptionally well banded; banding less marked in 174B & 174C.

ROOM 175

Subfloor- Subfloor foundation (of room walls-TW) built on adobe-sand fill which rests on floor-like pavement 43" below room floor; below this pavement is 4'7" debris of reconstruction--adobe chunks, spalls, with charcoal & ashes- resting on 3rd subfloor pavement at 7½'. Potsherds were embedded in this latter adobe surface.

ROOM 177

Masonry- Of banded 4th type, some of thicker blocks being dressed. Corners tied.  
Subfloor- Pavement noted 41" below floor at W. side; 49" below at E. side. Extends beyond area of room; is overlain by blown sand containing clay pellets & scattered bits of charcoal. Below pavement & above in NW corner only, adobe chunks & stone chips from razed walls are mixed with blown sand. No subfloor N-S wall. Test against outer E. wall to 5' below top of foundation. Above sand layer, 10" accumulation of constructional droppings overlain by stratified blown sand 5' deep next to wall & increasing to ca. 8' at distance of 30'.

ROOM 179

Masonry- 4th type, all laminate s.s. Corners tied. We cleared floor (after Hyde exc.) to seek kiva found under Rms. 242-3-4.

Subfloor- Test in NE corner shows sandy fill containing bits of charcoal & occasional sherds to depth of 6'. Depth of fill not determined. Foundations of E. wall & E. half of N. rest on silt surface 17" below room floor. N, W, & E walls offset from foundation.

Subfloor Kiva- Wall 25" thick; its plastered inner face goes under W. wall 3'3" from NW corner; under N. wall foundation 2'3" from NW corner. Foundations of N & W walls rest upon kiva wall & extend down inside; dressed blocks of friable s.s. from razed 2nd type walls used in both foundations.

Kiva outside rm. 179- Excellent 3rd type masonry-dressed friable s.s. blocks coursed between laminate--lies c. 4½ft. outside N. end of Rm. 179, its middle W arc 76' from outer SE corner of Rm. 176. Depth, 10' with upper 12" of large blocks forming ceiling pole offset 2' wide (wall thickness): dia., above bench, 28'. Bench, 25" h.x2'8" w., front largely broken down. Test pit exposed 1 pilaster 18" w. & set back 5"; wall above broken out when pilaster log & cribbed ceiling logs were removed. At back of bench, 6" w. trough probably held upright posts or slats. No wall plaster. East wall foundation of Rm. 179, 20" high, built upon uneven surface ... 7' above kiva floor. On this surface between kiva & R. 179 are approximately 4' of mixed occupational & constructional debris to kiva roof level, with another 10-12" of sand containing clay lenses & pellets to occupational level about 12' above kiva floor.

ROOM 180

Masonry- Of banded 4th type with some of thicker blocks dressed on face.

ROOM 181

Masonry- Of banded 4th type with some chinking & a few of larger laminate blocks dressed on face. South wall abuts the E.; other corners tied. Plaster adheres to lower walls; at S. end this is unevenly burned as tho due to burning of collapsed ceiling.

Subfloor- East wall foundation, 20" high, has 6" offset 8" below top of subfloor E\*W wall; W. wall overhangs its 16" high foundation 4". Latter abuts the subfloor foundation while W. wall masonry rests upon it. East wall foundation also abuts subfloor E-W wall. Test hole on N. side subfloor wall to depth of 6'8" shows earthy fill containing bits of charcoal & occasional shards of Chaco type. No Mesa Verde shards in this hole.

ROOM 182

E. wall foundation, 28"h.,

Subfloor-Tests show rough ~~laminated masonry below floor~~ supporting 5" of good 4th type laminate masonry below floor level & offset 11" from E. wall-probably part of E. foundation complex.

ROOM 183

Subfloor- Tests show four rude foundations, all low. No finished masonry on these subfloor walls.

ROOM 184

Subfloor- Several subfloor walls entre room and end abruptly. Walls consist of unshaped boulders without mortar. Average 9" in thickness and lay direct under walls of room. These latter extend 9" below original floor. Subfloor walls enter by corners and are broken off so that centre of room is free from walls.

ROOM 186-

Floor- Single layer of adobe immediately upon subfloor foundations continuing from outside.

Subfloor- Lots of notes here-TW. NE & SW walls rest directly upon, & their foundations abut, these subfloor foundations. The Rm.267 corner stands upon an 11" high foundation, offset 3", at 4'4" below Rm.186 floor but lower 8" is apparent careless 18" extension of Rm.267 N. wall since masonry & foundation of both break off at 18". A 4-6" layer of adobe flooring rounds up to wall plaster 38" below room floor (14" above foundation at 4'4") & a similar surface appears 6" higher at 32". This latter surface at same level as bottom of plaster on lower SW wall abutting from W. This lower SW wall abutting Rm.267 corner from W. stands on 12" high foundation, offset 2" at 43" below Rm.186 floor. Its lower 2' abuts the corner 4" inside but upper 2' are tied. Plaster on this lower wall carries around corner & rounds off with work surface at 32". Both construction surfaces (at 32" & 38") dip slightly downward & away from walls. Fill between surfaces is construct. debris; above surface at 32", chiefly blown sand but containing scattered clay pellets & small am't of wood ash. Three inches below Rm.186 floor 18" high foundation of present SW wall abuts plastered face of lower wall at angle of corner as it extends S. to underlie Rm.261 floor. Here, at point of abutment, a block of superposed stones 8" high was built at end of foundation & against plastered lower wall. Under 2nd stone in pile, a small turquoise offering had been placed at time of construction "to hold up the house" according to Charlie Pinto (Zuni). Built on sand, the repository fell during excavat.

ROOM 187

Masonry-NW & SE walls abut plaster on lower SW wall which is built mostly of dressed laminate s.s., chinked in 2nd type manner.

Subfloor- SW wall masonry extends 3'7" below floor & rests on foundation, 13"h., inset 3"; plaster on wall face extends down 29" below floor. From point 19" below floor to base of SW foundation, debris of reconstruction lies next to wall, sloping thence to middle of room; above this debris, fill is mostly blown sand. ... NW wall has foundation 16" high, inset 2". North face of 2nd subfloor foundation 29" wide x 18" high & built of friable s.s., mostly unworked, abuts plastered SW wall.

ROOM 225

Masonry- 4th type, laminate s.s. exclusively. Larger blocks dressed on face; intermittent banding, especially in S. wall. Ceiling poles in S. wall pulled out or cut off with steel axes.

Fill- Lower half filled with fallen masonry & blown sand.

Artifacts\* Besides catalogue objects; misc. sherds, several antler fgts & vertebrae of elk. In debris near floor, a decayed cradle(?) - oval willow frame & body of reeds overlapping at right angle. Bones identified: Elk; Mule deer. On pavement at depth of 38", imprint of right human foot 8" long x 4" across.

Subfloor- Foundations: E., 17" high, 2" offset; N., 14" high, inset 2"; W., 15" high, inset 2"; S., 10" high, inset 5". All foundations 5" below room floor.

ROOM 225(cont'd)

Subfloor Test- NE corner, 9' deep; 2'7" wide x 6'9" long, 6' from N. wall shows: 1) 3" flooring above N-S, subfloor foundation; 2) pavement 16" below N-S foundation, or 38" below room floor, overlain by blown sand & slopes down sharply to S., more gradually to E.; 3) a 5" adobe fill in thin sand layer; 4) soft sand & ash fill 20" thick at S. end of test hole, 0" at NE cor.; 5) stratified sand & clay, c. 11" thick; 6) stratified sand 6" thick at S. end of cut & 14" at N. end to point 7'4" below room floor; test ended at 9' under clean sandy clay.

ROOM 226

Masonry- Of 4th type, all laminate s.s. with many of larger blocks dressed on face.  
Fill- Blown sand on floor to av. depth of 5"; ash strata bearing sherds above sand; above ash, more sand at W. end & ash with dry rubbish in E. 3/4 of room. Above lower 3' of fill, adobe & stone from fallen walls filled room to above ceiling level. Collapsed ceiling partly burned at W. end; broken beams & walls smoked.  
Artifacts- Finds include 13 neat cedar bark rolls tied with yucca cord; are of two lengths; 10 frayed at 1 end but show no burning. Were found side by side as the cover for roof opening. Besides cataloged material, quantity of sherds, 10 hammerstones; 3 manos & fgts of two others; 1 small fgt of metate, several fgts of worked stone, & shell fgts of turkey eggs left in room. Bones identified: Bird- Meleagris gallopavo; Buteo swainsoni (Swainson's hawk); Buteo sp.; Mammals- beaver, mule deer, pronghorn antelope.  
Subfloor- Original floor at depth of 12"; base of W. wall, 18" below upper floor.

ROOM 227

Masonry- Bonded 4th type. Some plaster remains on all walls.

ROOM 227-I

Masonry- Of banded 4th type, with more than usual chinking. No trace of plaster.  
Posthole- Against E. wall, 9½" from SE corner is posthole 5" diameter x 21" deep, as probable support for broken beam.  
Fill\* Mostly fallen masonry. On floor, considerable quantity debris of occupation, 20" deep against N. wall thinning to floor level on S. as the poured thru broken ceiling. Remains of charred beams. AED, 1945, gets for JPB#22-1064AD; #23-AD1081.  
Artifacts- 1 grass brush 3" long, bound with string; decayed basketry fgts. Not cataloged: squash seeds & rind, pinon nut & small fgt. turquoise, dressed ceiling willows (do not belong with this type masonry), A tabular metate, deer bones & many sherds in debris at N. side. Some of sherds match others from Rm.226. Among deer bones, larger were split for extraction of marrow; also skulls of 6 deer.  
Subfloor- E. wall masonry extends 4" below floor to 18" high foundation. An uneven pavement 24" below floor; fill between; debris of occupation containing both early & late sherds.

ROOM 228-A

Masonry- Of banded 4th type.  
Postholes- Next to S. wall, 12" from SE corner, is posthole 8½" dia. x 19" deep; another, 19" from SW corner, is 8" dia. x 21" deep. Both lined & paved with slabs.  
Subfloor- Test shows earlier pavement 14" below floor sloping to east; test 2' deeper shows wall adobe & sand.  
Postholes (NE Quarter)- West wall stands on 8" of adobe lying on 7" of sand. In floor against N. wall & 12" from NW corner, is a posthole 9" dia. at top & 7" dia. at bottom. & 13" deep; another posthole, 25" from NW corner, is 8" dia. x 8" deep. Both lined with slabs on edge. These generally correspond to similar holes against S. wall in SE quarter (mentioned above-TW). They contained no decayed wood or other means of identification.

ROOM 229-A

Masonry- Of 4th type, with occasional bands of thicker, undressed laminate blocks. Room quartered by partitions of ruder masonry-mostly large, dressed blocks of friable s.s., in abundant mortar; a number of blocks placed edgewise. Disturbed by Kiva C.  
Subfloor- Tests shows earlier floor at depth of 10" with overlying debris of reconst.

ROOM 239

Masonry- Primarily to accomodate Kiva D-TW.

Fill- Of dry earth & adobe from razed walls.

Artifacts- 1 antler fgt. & mere handful of sherds .

Subfloor- Lower W. wall, on 15" high foundation, extends below floor & base of kiva curve; latter & N. wall rest on a fill of blown sand & debris of reconstruction overlying an earlier floor at depth of 12".

ROOM 241-A

Masonry- Of banded 4th type with many of thicker blocks pecked on face. All corners tied. No trace of plaster. Room apparently used for storage. Ill defined floor covered with layer of wall adobe varying in thickness from 8" at SE to 4" at SW & decreasing to approx. floor level at N. end. Two E-W beams & charred ceiling poles lay in 2' fill above wall adobe.

Fill-Layer of adobe from razed walls on approx. floor level; above this is a 2' layer of mixed debris of occupation & reconstruction. Above latter, fallen masonry of 2nd & 3rd stories to near ceiling level.

Artifacts-Several antler fgts. in adobe on floor; small quantity of sherds in 2' layer above. Also, 3 hammerstones. Two squash seeds retained as #573. Mammal bones identified: Mule deer; elk.

Subfloor- Tests show coarse foundations under all walls. N. foundation, with floor level offset 17" wide at NW & 23" wide at NE corner, abuts underset foundation of W. wallside; latter is 2' high. At N. end, pavements noted at depths of 15" & 26" below approx. floor level of room. Subfloor N-S foundation of large blocks including dressed, friable s.s. from razed dwellings, is 24" w. x 21" h. & 33" from SW cor; at N. end it is 28" w. x 17" h. & 26" from NW corner. Test hole beneath S. door reveals these strata: 1) blown sand & adobe in 4 layers sloping down & S. & overlying a floor 15" below that of room; 2) debris of reconstruction including bits of charcoal overlying a floor 37" below that of room; 3) a 2" layer of blown sand increasing in thickness toward N.; 4) a 4" layer of wall adobe & ash overlying a 3rd floor overlain by thin film of sand; 5) an earthy fill 21" thick; 6) blown sand 3" ~~below~~ overlying more wall adobe.

ROOM 242-A

Masonry- Of banded 4th type with many of larger blocks dressed by pecking.

Fill- Of fallen masonry from 2nd & 3rd stories; also blown sand.

Artifacts- A doorslab, 132x16"x14", broken in middle; 2 slabs slightly rubbed on sides; a few sherds & flint chips.

Subfloor- Stratified ~~strata~~ sand & adobe to pavement 10½' below Rm.242 floor. In these strata, misc. early sherds & some with late hachure were found. No Mesa Verde fgts. N. foundation is offset 16"; W. foundation bulges in middle & abuts N. wall foundation. Both rest on kiva floor. Kiva vent. shaft, 16" widex 18" N&S, within a neat masonry block 3'8"x4'3" N-S; its SW cor., passes under W.wall 49" from SW corner.

ROOM 243-A

Masonry- Of banded 4th type with many of thicker blocks dressed by pecking. All corners tied; walls plastered & smoked.

Fill- Of fallen masonry to sill level of 2nd story doors.

Artifacts- Small quantity of misc. sherds only.

Subfloor-2nd type Kiva 10' below.-TW. Masonry of S. wall extends 14" below floor to a 5" foundation offset. E. wall foundation, 7' high, mostly of dressed friable s.s., perhaps from razed kiva.

ROOM 244\*A

Masonry-4th type. Few of larger blocks are pecked. Plaster covers much of wall surfaces; is smoked by fire which consumed ceiling timbers.

Fill- Blown sand, av. 1" thick, accumulated on floor before ceiling collapsed & burned. Beams lay from 1' to 4' above floor; charred ceiling poles & split cedar present. Masonry fallen from upper stories had settled thru burned timbers; filled space between them. Sand washed down SW corner to form pile 4" deep in corner, spread out 4'. AED, 1945, JPD#5=1060; #6=1097; #7=1078; #8=1078.

ROOM 244-A (cont'd)

Artifacts- Resting on floor near middle & covered by blown sand, were 3 inlaid bone scrapers, found by Ruppert. Fgts. of corrugated cooking pot & misc. sherds; several sherd pot smoothers under sand layer along S. wall; 1 doorslab slightly used as grinding stone;  $\frac{1}{2}$  metate; 8 manos & fgts of 3 others; 2 smoothing stones; 5 stone hammers; fgts of 4 stone jar covers - all in debris, mostly above floor. Two human footprints in adobe floor.

Subfloor- Subfloor kiva, same under Rm.s 242-243. Base of S. wall masonry lies 17" below floor; N. wall & its foundation, 14" high, abut plaster on W. wall. Plaster on E. wall ends at floor level but finished masonry extends 17" below floor to rest on 14" high foundation of large blocks coarsely laid in abundant adobe.

ROOM 245-A

Masonry-Walls plastered & smoked. Banded laminate s.s. (notes do not mention rebuilding as stated in book-TW).

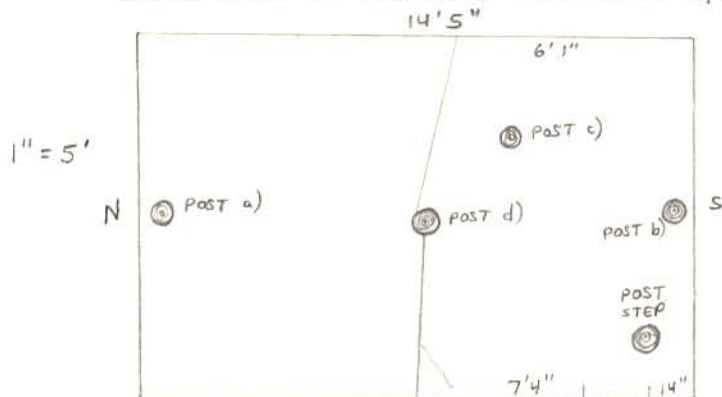
Posts-4, each burned to floor. See book: 2) is actually  $4\frac{1}{2}$ " dia. not 4" stated in book

Fill- Of fallen wall material, burned red, lying upon dry sandy earth & ash av. 1' thick but, in SW cor., pile is 5' high & extends into W. door. Dump?

Artifacts- From fill, 6 metates (4 broken), 24 manos & fgts of 5 more, 26 hammers, misc. sherds, charred corncobs & squash rind, basket fgts., chips of flint, obsidian & silicified wood, plus carded specimens.

Subfloor- Test pit against middle s. wall of chamber ("subfloor chamber") shows 3 earlier room floors at depths of 2'5", 3'9" & 4'4", below chamber floor, each separated from the other by constructional debris with cedarbark, twigs & sand & occasional sherds. Rm.245 masonry ends 10" below lowest floor, or 7'6" below the room floor.

Post step- In SW corner was placed after chamber was filled for its bottom is  $10\frac{1}{2}$ " above floor of chamber. Post ends square cut. AED, 1945, JPB#1=A.D.1050.

ROOM 245 B

Artifacts-Fgts. of a drilled shell.

Fill- Of fallen masonry evidencing destruction by fire.

ROOM 256-A

Masonry-Of banded laminate s.s., 4th type construction. Corners tied. Walls had been plastered.

Fill- Lintels of E. door had burned out. Smoke stains on walls N. of partition show an average 3' accumulation of debris on floor before fire; plaster on walls S. of partition blackened also. Beams & ceiling poles burned out. S. of wattle wall was loose earth & debris of occupation; 3' of same in N. half. Over this, fallen masonry to about 3' above ceiling level.

Artifacts- In N. half of room, 1 trough metate 16"w.x24"x9" thick, with its mano, just inside W. door & about at its sill level. Also, a few misc. sherds. In debris S. of wattle wall, quantities of potsherds, 1 mano & fgt of 3 others; 1 hammerstone, fgts of 2 stone jar covers, part of a worked s.s. slab bearing traces of red paint, a discoidal concretion 6" dia., 1 fgt. of shell, squash seeds & several antler fgts. On floor in SE corner, a layer of charred corncobs. Bones identified: Mule deer.

Subfloor- Tests show floor immediately covers foundations with heights as follows: N-17", E-23", S-19". Subfloor walls indicate earlier building plans.

ROOM 257-A

Masonry- Of banded 4th type; plastered. All corners tied.

Fill- Layer of clean blown sand covers entire floor. Against S. wall, sand 27" deep; 19" at W. & N. sides. Fire indicated by charcoal directly upon blown sand-remains of charred timbers; above this, fallen walls. Among charred timbers above sand, S. of wattle wall, Douglass gets these dates: JPB#14-1081; #15-1124; #16-1047; #17-1126; #18-1080+x; #19-1083+x.

Artifacts- Only 1 potsherd found in layer of blown sand. In debris above, 2 fgts of metates, a few misc. sherds, 2 bone awls, & 1 fgt of a turquoise pendant.

Subfloor- Fill below floor is mostly blown sand with charcoal particles & scattered spalls. The pavement on which these (subfloor-TW) foundations stand varies from 15-23" below floor of Rm.257; they apparently represent abandoned plans, one replacing the other & both supplanted by the existing walls of Rm.257.

ROOM 257-C

Masonry- W.end overhangs lower wall 9". This irregularity again suggests completion of floor before continuing walls.

ROOM 258-A

Masonry- Of laminate s.s. with interrupted bands; 4th type. Walls plastered.

Fill- On floor, 4' of earthy-sand containing fgts. of charred ceiling timbers; above this, fallen masonry from upper stories. Plaster on walls burned in places, suggesting destruction by fire.

Artifacts- A few potsherds at N. end; one tabular metate & a roughly chipped s.s. jar cover 8 $\frac{1}{2}$ " dia. Bones identified: Beaver teeth.

Subfloor - Tests show N. wall masonry ending at floor level, on 10" high foundation; in SE corner, E. & S. wall masonry extends 9" below floor to 18" high found. that tie & rest on surface 27" below floor. This surface rises toward W. & fades out about 4' from W. wall & 19" below floor level. A similar "construction surface" 3'9" below floor level in SW corner drops to 50" below at SE corner. W. wall continues as banded 4th type masonry to its foundation offset 5'2" below floor of Rm.258. Plaster on W. wall begins at construction surface av. 17" above the foundation; below this surface, debris of construction; above surface, mostly blown sand. In SW corner, top of S. foundation is 5' above foundation of W. wall & 2" below Rm.258 floor; latter is 2'8" above floor of Rm.263. 4th type connecting with subfloor in outer tiers?

ROOM 259-A

Fill- Wall plaster burned to near floor suggesting destruction by fire after a few inches of sand had accumulated. A few inches of blown sand on floor; above this, masonry fallen from upper stories.

Artifacts- Fgts. of two door slabs, 1 worked stone probably intended for a mano, a few misc. potsherds.

Subfloor-Tests revealed foundations-evidence of abandoned building plans.

ROOM 260-A

Masonry- Of 4th type-laminate s.s., with interrupted banding. Walls plastered; all corners tied by alternately abutting sections.

Fill- A few inches of blown sand on floor; above this masonry fallen from upper stories. Fire stains on plaster above sand accumulation show fire after abandonment of room.

Subfloor- Foundation of NE wall, av. 4" below floor, is 12" high. SW wall overhangs its foundation 2". These subfloor foundations (see Judd-TW), which appear never to have been utilized, rest upon a pavement 30" below floor level.

ROOM 261-A

Masonry- Of 4th type- banded laminate s.s.. W. wall superior (ext. of Rm.267) to others with uniformly small blocks separated at 19" intervals by courses of 2 $\frac{1}{2}$ " laminate blocks, mostly dressed.

Fill- Room filled almost to ceiling level with masonry fallen from upper stories, mixed with blown sand. Lower 2' contained charred ceiling poles (JPB#130=1070). Water running down walls had deposited sand in E. cor. & at junction of SW&W walls before fire.

ROOM 261-A (cont'd)

Fill- Few sherds found in this fill.

Subfloor-In S. corner, SE wall foundation, 15" high & offset 3", lies 6" below floor & ties with SW wall foundation, 15" high and at same level. At N. end of room, NW & NE walls rest on floor level; W. wall foundation lies 46" below floor. SW wall in SW corner ties with earlier W. wall. Foundation of former lies 6" below floor; foundation of latter, 41" below floor, is 9" high & offset 15". W. wall is plastered lower 37"; apparent construction surfaces at 17" & 31" below floor. Fill above 2nd floor is mostly blown sand containing clay pellets; below it, mostly debris of reconstruction diminishing in thickness away from wall.

ROOM 312 -shown as 4th type but Judd's card says 3rd type masonry.

LATE BONITO ROOMS-3rd style masonry (E. wing).

ROOM 245 -see above

ROOM 246 A

Masonry- An apparent mixture of 2nd & 3rd types-laminate s.s. with interrupted banding & more large blocks than customary; chips used for chinking. Walls retain part of plaster.

Fill- Of upper half=fallen wall material much of which shows effect of fire; below this is layer of ash & floor sweepings averaging 1' thick but sloping down sharply N, E & S, as through a hatchway above or the now broken recess at the floor level of Rm.246B had served as a debris dump; below this layer, quantities of cedar chips & splinters, the apparent gleanings from an old wood pile, averaging 2' thick; below this debris of reconstruction av. 3' thick.

Artifacts- Misc. sherds found in 2nd & 3rd layers; among cedar splinters, fgts. of matting, yucca cord of various sizes, corncobs, squash seeds & rind & stems, animal bones, etc. Sherds found in Rms.246 & 255 belong to same vessels; no connecting openings. Flat among cedar chips or leaning against W. wall were 3 large s.s. door-slabs & fgts of 4 others. Among uncataloged objects left in room are: 15 manos & fgts of 18 others; 2 metates & fgts of 4 others; 28 hammerstones; 2 crude grooved mauls; 2 smoothing stones; fgts of 3 s.s. jar covers & half a stone disc 15 $\frac{1}{4}$ " dia x 1 $\frac{1}{2}$ " thick; a small stone on which an ax had been sharpened, & several pieces of silicified wood. Also, a s.s. slab 10 $\frac{1}{4}$ "w. x 4' l. x 1" thick. Doorslabs removed for use elsewhere as sills in door repairs. Bones identified: Mule deer.

ROOM 246 B

Fill- Of fallen masonry showing evidence of intense heat. Fused sand & sandstone chinkers; chunks of roof adobe burned hard. Weight of fill had crushed floor, remains of which still clung to side walls.

Artifacts- A metate lay among fallen masonry just below floor level.

ROOM 247 A - Originally Rms. 247A, 250 & 252A probably formed a single room.

Masonry- Walls plastered & smoke stained.

Fill- Lower 2' consisted of loose, earthy deposit containing misc. sherds, squash seeds & rind; corncobs, fgts of basketry, matting & cord. In this, about 20 bundles of cedar bark, loosely tied., like orig. 326?? from Rm.250. Several cooking pots, on floor against E. wall, had been crushed by collapse of ceiling. Above this 2' layer, fallen masonry.

Artifacts- Not saved: part of large metate; 4 manos; 7 hammers.

Post-see Judd.

ROOM 247 B

Fill- Of fallen wall material-stones & adobe. All timbers had burned out. No artifacts

ROOM 248-A

Masonry-Indefinite; suggests 2nd type built with laminate s.s. & a few blocks of dressed, friable s.s., chinked with spalls. But little bonding except in E. wall.

ROOM 248-A (cont'd)

Fill-Lower 3' of sand with occasional chunks of wall adobe; above this, debris of occupation with adobe from razed walls varying in depth from 5' at S. to top of N. wall (12'4" above floor).

Artifacts- From debris: 18 hammers, fgts. of mats & baskets; corncobs, squash seeds & rind; misc. sherds, 3 manos & fgts of 4 others; several pieces of silicified wood. No artifacts in lower sand fill. Bones brought in identified as Wild turkey & Mule deer.

Subfloor- Tests show base of E & W masonry 10" below floor. Their foundations continue as rockfall, av. 5" thick & laid in adobe, thinning out to single layer of stone at middle of room. Over this fill hard, ash-bearing earthy clay as base for floor.

ROOM 249-A

Masonry- Indefinite- a hybrid 2nd & 3rd type, rather unevenly built of banded laminate s.s. Walls had been heavily plastered.

Artifacts- Several broken vessels on floor & in debris above had come down with collapse of upper floors. 4 macaw skeletons & skull of another were found on S. half of room, near floor & among chunks of adobe from broken shelf. Pinon shells & squash seeds suggest food given birds; many charred corncobs also found. Bird droppings on floor & on adobe of shelf show macaws were kept alive in this dark, doorless room. Finds left in room: a broken metate; 4 manos & fgts of 3 others; 7 hammerstones; misc. fgts of flint & silicified wood. Most, if not all, of these came from upper chambers with collapse of their floors. Among bones identified: macaw, Ara sp., Buteo sp, Wild turkey, Jack rabbit, Cottontail rabbit & Elk. Finds from UPPER CHAMBER: a large, roughly-chipped jar cover & several potsherds. But many of finds in lower chamber (listed above) doubtless came from this upper one.

ROOM 249-B

Partially excavated by Pepper but abandoned because evidence pointed to destruction by fire. (His Rm.22).

ROOM 251-A

Ceiling- Partly charred ceiling poles had sagged to within 4' of floor under weight of fallen walls of 2nd story.

Fill- Room partly filled with debris of occupation containing misc. sherds; corncobs; squash rind & seeds. Most of this debris had been dumped into room thru big SW door, before ceiling collapsed since rubbish filled door to lintels & spread out fan-wise over S. half of room. In this debris, on floor at S. end, were 5 very heavy, trough-shaped metates. They were left in room. A small piece of unworked sulphur was found in SW door. Bones identified: Macaw, Wild turkey, Magpie.

Subfloor- Fill between Rm. floor & that at 6'3" consists of debris of reconstruction & blown sand. Another floor lay 6" below 2nd & separated from it by sandy adobe. E. wall masonry ends 1" below this lowermost floor. A 4" dia. pine Post, 3" from E. wall & 5'7" from SE corner, stood directly below a beam hole; pole fibers traced from 4'6" above to 6" below lowest floor.

ROOM 252-A

Masonry- W. wall of laminate s.s. strongly suggests 2nd type; E. wall is 4th type; N. wall less definitely 4th type. Walls were plastered.

Subfloor- Lower N & W walls are of inferior 3rd type masonry. Hole broken in 2nd floor for 7" dia. Post 12½" from S. wall & 33" from E. as beam support.

ROOM 252-B

Masonry-Of 3rd type with both dressed friable & unworked laminate s.s. occurring in bands. Mixture suggests reconstruction. Evidently S. wall was built after a fire for E. end of one of its supporting logs occupied burned seating of a Rm.247A beam. Large turquoise bead found between 2 ceiling poles in S. wall.

LATE BONITO ROOMS

ROOM 262-A

Masonry- Evidences reconstruction; is chiefly of laminate s.s. favoring 2nd style chinking. S. wall, fallen to within 6' of floor, is apparently of later construction since it abuts plaster on E & W walls & consists of rougher blocks than other walls, including friable s.s. with sparse chinking.

Fill- Chiefly of fallen masonry.

Artifacts- Include fgts of squash rind, pinon nut shells & fgts of wooden headdress(?) painted green.

Subfloor- Fill between lower floors is constructional debris & limited blown sand. Step under floor supported by an embedded pole under front edge of tread & a simailar pole at rear supports a 2nd step, 11" tread & riser of 10".

ROOM 263-A

Masonry-A mixture of 2nd & 3rd types.= laminate s.s. blocks with 1 or 2 courses of spalls between rows.

Subfloor-E. foundation, 28" high, has 3" offset; rough W. foundation, 33" high, has 14" offset. S. foundation, 12" high, with 3" offset, 20" below floor.

ROOM 264-A

Masonry- Of laminate s.s. blocks with spall chinking; upper W. wall contains dressed friable s.s. blocks, chinked in 2nd type construction; friable s.s. blocks, dressed, scattered in other walls.

Fill-Mostly of fallen masonry. Ashy earth 8-12" thick lay directly on floor; most of sherds (1356) recovered came from above this ashy layer.

Artifacts- Hawk skeleton lay on floor near SW corner. Door slab painted red on finished side leaned against N. wall above ash layer. Also, 2 hammers, 1 fgt of metate; fgt of mano, stone ball with shallow depression (retained), squash seeds & rind, 2 small pieces turquoise matrix, 1 azurite pellet, 1/2 s.s. jar cover. Bones identified: Mt. Sheep, Wild turkey, Hawk.

ROOM 265-A

Masonry- Of 3rd type; laminate ss. with interrupted bands, especially on E. Upper N & S walls contain larger blocks, small chips between. Floor hard, apparently much used.

Posts- see Judd. Posthole 2) was 6 1/2" dia., not 6" as reported by Judd.-TW.

Fill-Of fallen masonry.

Artifacts- A small quantity of misc. sherds; fgts of 3 discoidal turquoise beads.

Subfloor- Test hole against W. wall revealed 7" offset of large, irregular block foundation 21" high one foot below floor level. Test in SE corner shows foundations 16" below floor. Earlier floor shown 6" below upper; space between the two filled with debris of construction. In these tests; coiled & plainware sherds, 3-4 B on W bowl sherds & 1 B on W bowl fgt.

ROOM 266-A

Masonry- W. wall & W 1/2 of N. wall are 2nd type masonry; E., of unbanded laminate s.s., both large & small blocks: S. wall, with both dressed & undressed blocks separated by small spalls, suggests 2nd type but doubtless is 3rd type. Walls plastered but remain unsmoked.

Fill- Directly on floor, layer of clean unstratified blown sand av. 18" thick sloping sharply upward to 4 1/2' in SW corner. Above sand, fallen masonry mostly filled room. Charred beams rested on sand layer; other beams, a few inches above, were separated from first by blown sand. These layers sloped down toward floor & E. wall.

Artifacts-A slightly used metate & mano were found below the W. door & above the sand stratum. A number of s.s. discs found chiefly in a above the sand layer; squash seeds & rind & 1 fgt of finely woven sandel. Noted but ~~matrix~~ not saved: Part of metate, 6 manos, 1 squared abrading stone, 2 hammers, fgts of 3 discs; fgt of thin, fine-grained s.s. slab. Sherds were scattered thru sand layer but most came from SW corner- perhaps a temporary dump. Cooking pot sherds scarce.

ROOM 266-A (cont'd)

- Subfloor- Five subfloor, jar-shaped storage cists indicated by soft spots. All dug in hard sand; sides smooth but unplastered; each has flat floor with central basin.
- 1) 19" from N. wall & 11" from E., marked by oval depression in room floor, 34"NSx23"; has constricted opening, 20"dia., 12" below room floor; is 4'9" deep x 34" dia. at bottom. In middle of bottom is basin with rounded corners 9"EW x 5" wide x 4" deep. In E, side of cist, 11" below room floor, appears rough foundation of E. wall, 2'5" high. Cist filled with clean sand; except many sherds in lower half.
  - 2) 9 $\frac{1}{4}$ ' from N. wall & 1'10" from E., marked by oval depression in floor 29"EW x 25"; cist is 4'3" deep & its floor is 4'11"NS x #82" EW. In middle of floor, basin 8" EW x 4" wide x 2 $\frac{1}{2}$ " deep; in N. side of basin is hole 4 $\frac{1}{2}$ " dia x 6" deep. West side of cist formed by ~~22~~ 3'5" high subfloor wall; body of cist is semi-circular. Filled with clean sand containing a few misc. sherds; also 1 stone disc.
  - 3) 21" from S. wall & 17" from E., marked by oval depression in floor 30"EW x 22"; is 4'7" deep & 3'4" EW x 3'10" at bottom. In middle of latter, basin with rounded corners 9" SE-NW x 5" x 3 $\frac{1}{2}$ " deep. Cist is semi-circular with N-S subfloor wall reducing its opening to approx. 18" dia. & forming its W. side. Cist filled with clean sand containing fgts of 3 bowls & misc. sherds. Part of one bowl found near top of cist; remainder at bottom thus indicating cist was intentionally filled at one time.
  - 4) 6'4" from N. wall & 6'4" from E. wall; has 18" dia. opening; is 4'9" deep & 3'8" dia. at bottom. In middle of latter is oval depression 7" SE-NW x 5" wide x 3" deep. Hematite celt found halfway down in clean-sand fill; also  $\frac{1}{2}$  discoidal turquoise bead, 1 broken bowl & misc. sherds. A number of decayed corncobs noted throughout sand fill.
  - 5) 4'11" from S. wall & 5'1" from E; opening 25" dia; is 3'11" deep & 3'8" NS x 3'5" EW on bottom. In middle of latter, circular basin 7" dia x 3 $\frac{1}{2}$ " deep. East side of cist ~~st~~raightened by 26" length of N-S subfloor wall.

ROOM 267-A

- Floors- Lower, or earlier, floor, somewhat whitened, lies 26" below upper & is separated from it by blown sand & debris of reconstruction.
- Posts- see Judd. A 5" dia. post stood against W. wall 5'9" from NW corner, directly beneath one of the 2 E-W beams, with its butt end resting on lower floor. A second post, 8" dia., stood under same beam 5'2" from W. wall & 5' from N. wall with its butt end 3" below lower floor. Placement of these supports may account for 2nd floor.
- Artifacts- A considerable number of both large & small jar covers-both dressed & undressed s.s.- found in room; most of potsherds recovered came from SW corner with no indication of dump there. Finds not saved include: roughly chipped doorslab, s.s. slab 8x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ , smoothed on 1 side only; 2 manos &  $\frac{1}{2}$  of another; several fgts of s.s. jar covers.
- Subfloor- All foundations offset from walls above-TW.

ROOM 1

Fill-Room filled with blow sand and fallen wall material.

Finds- Besides cataloged material excavations show fgts of two metates, 3 manos, 3 hammerstones & 1 rubbing stone.

ROOM 2

Post- The southernmost of these beams seem to have been supported by an upright post.

Finds-In addition to the cataloged material there was found in Rm.2A 2 3/8" stone slabs measuring 14"x15" and 12"x10 1/2"; part of a dressed stone mano on which red paint stains remain; one roughly chipped fragment of chert & 1 fgt of flint. Pot sherds used for chinking in outer S. wall.

ROOM 3

Finds- Besides..... 1 fine grained trough metate 17"x12"x3"; 2 manos; fgts of 2 others, and 1 small rubbing stone, 1 stone hammer. Also one mano-like stone, 11"x5 3/4" at one end & 4 3/4" at other end & 1 3/4" thick. This stone had been shaped on 3 edges but showed no marked indications as use as a mano. The right half of the upper jaw (A-89) of human skeleton was found among discarded building stones 1 1/2' above floor & in middle of room. The left half of the same jaw (A-92) was found in the adjacent section of Rm.9A also among fallen masonry & about 2' above the floor. Coyote skull also listed for this room-TW.

ROOM 4

Finds- Besides....., one small hammerstone was found. Among the fallen wall material & other debris which filled the room. A deposit of blown sand about 4" deep in NE corner diminished in thickness as it met the floor about the middle of the room. On this sand layer in the NE corner was an infant burial (#A-90) traces of woven textile wrappings adhered to some of the bones and were noted also in the sandy deposits surrounding the burial. (An independent infant lower jaw lay S & W of the skull of the burial). The skull of the burial having been made with head to the west. From 3-4" of blow sand lay above the level of this burial diminishing in thickness towards the W. wall. Above this sandy layer was the usual fill of fallen masonry & discarded wall material. Among this refuse & in the W. half of room at least 1' above floor were found the isolated lower jaws of one infant & two adult human skeletons (A-87).

ROOM 5

Finds- Besides.... one metate badly broken around the edges 14 1/2" long, 9" wide, 3" thick. This metate was stained with red paint. A large mano 8" long, 4 1/2" wide, 2" thick.

ROOM 6

Finds-Besides..... 2 manos & 4 hammerstones.

Walls-W. wall plastered & blackened by fire.

ROOM 7

Finds- Material found in room consisted of 7 manos, 3 hammerstones, & portion of 1 metate. Small amount of sherds. Among bird bones collected are wild turkey, red-tailed hawk-identified by Dr, A. Wetmore.

ROOM 8-BI

Firepit- A shallow firebox with raised adobe rim stands against S. wall. The basin is roughly 24" E-W by 14" W-S & averages 1 1/2" deep. This was filled with wood ashes & the masonry above is smoke stained. At NE & NW corners of basin are two rounded depressions about 5" in diameter and 1" deep. These may have served as convenient pot rests.

Finds- Two hammerstones, part of a mano & a door slab which had been used as a metate were found in the room in addition to those specimens noted in field catalog. A mere handful of sherds were found.

ROOM 9A

Firebox-18"EWx11"x2" deep. Lined with clay.

Fill- Debris of occup. & blown sand filled room nearly to ceiling; fallen masonry above fill at E.

ROOM 9A(cont'd)

Finds-A small lot of turquoise & shell fgts were found on the floor in the NW corner. Material not cataloged: 3 stone disks averaging 6" dia.; 10 manos, 11 hammerstones, handful of flint chips. Most of disarticulated skeleton found at W. end of room. Left half of jaw found in debris of occupation in middle of room.

ROOM 9BIII

Firebox- A semi-circular firebox is built against the S. wall, 25" from SW corner. Raised rim of adobe, 5" above floor & 6" wide. The pit of the forebox is 3" below the rim & 2" above the floor. Wall against which firebox is built is badly smacked.

Finds-Small amount of shards found. A tabular metate, 16"long, 15"wide found in floor & E of N. door. A couple of hammerstones & the material as noted in field catalog.

ROOM 10

Finds- Besides cataloged material there wer 7 manos & 14 hammerstones. Frag. skull of male skeleton found in NE quarter, 1½ to 6" above floor (A-149).

Firebox-Approx. 15" square firebox; 4 stone slabs form sides. 7" deep. Bones of rabbit (Lepus) & coyote skel. if room fill.

ROOM 12

Fill- Crushed ceiling materials & fallen masonry above.

Finds-1 crude s.s. abrader & handful misc. sherds. Among latter, 1 fgt red corrugated bowl w/ polished black interior.

ROOM 13

Finds- 1 crude s.s. disc, 4"dia., among fallen wall material filling room. Most of potsherds came from pile of ashes fronting N. door. A disarticulated skeleton (A-86) lay on floor, head to W., 3' from S. wall & 4'2" from W. Right pelvis lay ca. 12" out of place; L.pelvis & long bones lay against S. wall ca. 4' out of place. Small bones scattered. Torso had lain on plaited rush mat impressions of which were in floor adobe. Near head, imprint of 4 3/4" dia. coiled basket & imprint of long object made of willows or reeds noted in earth at L. side of body. Sand washed in by water fanned out from SW cor. half burying skull & filling body cavity. Skel. is of adolescent male, 15-16 yrs. old.

ROOM 14

Fill- Room filled with fallen wall material. Small amount of charcoal.

Finds-Consisted of 8 hammerstones, 2 manos & parts of 2 metates.

ROOM 15

Finds- Besides.... there were 2 small hammer stones. Also parts of 2 human femurs #118 see also Judd 1959:18.

ROOM 16

Fill- Fallen wall & roof material. Finds- see Judd 1959:19.

ROOM 23

Fill- Composed of fallen wall material & blow sand. Part of split cedar & small poles of 1st story seen at west end. They had been crushed against W. wall.

Finds-Only a small amount of potsherds found. Parts of a human skeleton (A-200) female, found scattered throughout E. half at height of three feet from floor. Burial card says 2' from floor.

ROOM 24

Fill- Composed of blow sand & fallen wall material.

Finds- see Judd 1959:21.

ROOM 25

Fill- Composed of fallen wall material, charcoal & blow sand. The fire must have been very intense as much of the rock & sand fill was burned a brick red.

Finds- Besides cataloged material the room contained a mano, crude hammerstone & a number of flint chips.

ROOM 26

Fill-Room filled with fallen wall material & blow sand.

Finds-Besides... 1 mano, 2 small rubbing stones & 1 small crude stone pestle.

ROOM 27

Fill-The fill which came to the sills of the doors in the second story was composed of fallen wall material with much charred roof timbers.

Finds-see Judd 1959:23.

ROOM 30

Fill- Fallen wall & roof material to depths of 9'10". Small amount of charcoal in last three feet of fill. Only a handful of sherds found.

ROOM 31

Fill- Fallen wall material & blow sand to depth of 8'. There had been only a small amount of fire in the room. The large beams being in place but badly decayed.

ROOM 34

Fill-Mostly fallen masonry with blown sand.

Finds-Besides...., 3 manos & 1 fgt., 2 hammerstones & 5 water worn pebbles were found & left in room.

ROOM 35

Fireplace?- or storage cist, 19"dia. x 8"deep, adobe lined but unrimmed, partially underlies S. wall 27" from SE cor. One of foundation stones protrudes 3" into basin.

Fill- Of blown sand mixt with fallen masonry.

ROOM 37

Fill-Of blow sand & wall fall and roof material.

Finds-Besides...., 4 manos, 3 hand stones, Indian dog skull. identified by Dr. Allen Also antler fgt of elk. & elk leg bone.

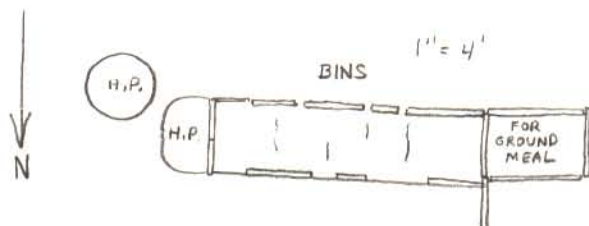
ROOM 40

Fireplaces-(Judd mentions 2 on p.26 but 3 on note card): A semicircular firebox on the S. is 5'5" from SW corner, extends 19" along S. wall & 13" to N. Is 8" deep & traced under S. wall distance of 4". Clay lined & filled with ashes & charcoal. (2)-In SE corner 6" from E wall & 25" from S. wall is a large irregular depression 38"N-S x 39" E-W x 10" deep. Was filled with ashes & shows some trace of burning. Clay lined. (3) A firebox in NE corner measures 30" N-S x 28" E-W x 6" deep. It is 4" from N. wall & 6" from E. wall; clay lined. Stone slab placed along portion of N. side.

Finds-(differs somewhat from p.27)- Besides...., portions of 3 large tabular metates; 2 smoothing stones; 1 stone disc 6"dia.; 1 small flat rectangular polishing stone; 5 stone hammers. Burial (#430) found in SW corner, head to N. Burial covered by blown sand & floor sweepings; fallen masonry above.

ROOM 41

Mealing Bins & associated heating pits (p.28) said by Zuni workman to have been filled with live coals to provide warmth for workers (not a quote-TW).



ROOM 43

Fill- On floor 8" of sandy earth containing numerous potsherds is part of 3" accumulation of ashy sand but few building stones. Thus ceiling remained intact for some time after abandonment & while used as dump.

Finds- In addition to cataloged items, found in fill 2 metates fallen from 2nd story & fgts of 4 others, 11 hammers all but 1 of which were of flint or silicified wood, 4 manos & 1 unfinished + fgts of 3 others, 1 semi-spherical concretion with central cavity 2" in dia. & natural hole thru bottom, 1 12"x14" slab fgt on which white paint had been ground, 3 water worn pebbles 1 of which might have been used as a polisher, 3 fgts s.s. slabs on which red paint had been ground & 2 fgts of thin s.s. tablets or sandel stones; also, numerous chips of flint, chert, obsidian, & silicified wood. Many deer & bird bones in debris; also 3 squash seeds & 2 pinon nut shells.

ROOM 44

Finds- Besides...., portions of 3 large tabular metates, 1 stone disk 13" dia. broken; 4 flat manos; 33 crude hammerstones; 1 stone slab 10"x14"x3/4"; 7 smoothing stones, pinon nuts, portions of tule stems, deer bones. Amsden & Roberts tabulated 2820 sherds above upper floor; 2326 between 2nd & 3rd floors; 967 between 1st & 2nd floors. Dump in fill between 2nd & 3rd floors. Among misc. bones identified above 1st ? floor- tooth of mule deer, vertebrae of domestic pig, sternum of domestic fowl (both discarded), part of macaw skeleton showing injury to sternal apparatus, both coracoids driven back & fractured: healed.

ROOM 45

Posts- From beam hole in W. wall to original floor level for this room (before orig. N.wall was razed to allow for Kiva E) is 8'1". An upright post placed beneath this beam at W.end extended 4 1/2" below orig. floor & rested on stone slab. There was also an upright post at E. end of room for support of cross beam.

Finds- Besides...., many squash seeds & pinon nuts found. Some tuli stems. On 2nd floor in W. half of room considerable quantity of white sandstone found.

ROOM 47

Post- One of the original EW roof beams (S. beam #133=AD1066) for this room (dia 12") was cut out to allow for construction of Kiva roof. The end at W. crudely hacked off with stone ax. An upright post giving additional support to this beam is still in position. On S.side of post, Kiva wall has been built against it.

ROOM 52 B

Wall posts- South wall secondary & not tied against E or W wall. Masonry crude & heavily plastered. Four posts with av. diam. of 5" have been set in S.wall to give additional strength. Base of 1st is 20" below floor and rests on flat stone. 1st is 11 1/2" from SE corner, 2nd 47", 3rd 7'5" & 4th 11' from SE corner.

ROOM 62

Fill- Room filled with floor sweepings, sand & ash.

ROOM 64

Fill- Mostly sandy earth & some floor sweepings.

Finds- Besides...., 1 fgt. each of small troughed metate & broad tabular metate; 4 manos; several flint chips; antler fgts; part of turkey skeleton; 1 bone awl fgt & 1 hammerstone.

Subfloor- Test against N.wall revealed 5" high foundation & earlier underlying floor at depth of 19". Latter rests directly upon arc of partly razed kiva wall whose plastered & smoked S. face connects with smoked floor 3'8" below that of Rm.64. Concave face of kiva wall (with a 3" wide bench, 25" above its floor) passes under W. side of room.

ROOM 65

Finds- (additional info for that listed on pg. 49-TW)- 1 fgt of doorslab bearing yellow paint, 1 fgt drilled abalone shell pendant, deer bones & antler fgts; rab & bir

PUEBLO BONITO ROOMS - a cluster of those with large firepits/ovens like those at Pueblo Alto.  
(Judd's Papers: Box 8)

ROOM 215

Masonry- Of 3rd type-dressed blocks of friable s.s. in bands between sections of small laminate fgts. Small chips form chinking under dressed blocks. Walls plastered & whitened with powdered sandstone such as that found in Rm. 27. East wall a thin, rude partition.

Subfloor- Rough, unfinished E. wall abuts whitened plaster on S. wall; latter continues to a 3" offset 34" below room floor & base of E. wall. An earlier floor is noted 5" below that of room; a 3rd floor, at depth of 31", is overlain by debris of reconstruction. The 10" thick masonry walls of a huge firepit, 43" EWx39" wide x 40" deep, lie 8" below 3rd floor. Slabs on edge reduce above dimensions by av. of 2" on each side. Inner SE cor. of pit is 7" from E. wall of Rm. 215 & 16" from its SE corner; inner SW corner lies 11" from S. wall of Rm. 215. Pit is plastered inside; both plaster & masonry burned. Pit filled with burned sand mixt with particles of charcoal. Resting on SE cor. of pit & immediately underlying 3rd floor noted, is 14" long section of partly razed wall 4" thick, finished S. face of which passes under E. wall of room 18" from its SE corner.

Adjoining firepit on W. is another of comparable size; its masonry walls are plastered inside & burned. Pit measures 37" EW x 35" x 36" deep. Inner NW cor. of pit lies 28" from S. wall of Rm. 215 foundation of which extends down 17" within pit. Latter filled to depth of 16" with sand burned purple & containing bits of charcoal. Above this sand was debris of occupation mixt with stone spalls & containing late coiled & hachured sherds. Coiled sherds predominate.

Fill (of room)- Of fallen masonry & blown sand. In this a small quantity of sherds.

ROOM 219

Masonry- Of 3rd type, probably late; limited laminate chinking between large, friable s.s. blocks. Walls were plastered; smoke stains at N. end.

Fill- Of fallen masonry & blown sand.

Subfloor- Earlier floor of Rm. 219 noted at base of its S&W walls, 30" below latest floor level. On this lower (30") floor, a wall fgt., now only 2 courses high but 19" wide, passes under S. wall of room 6'7" from its SW cor., & under N. wall 78" from NW cor. Built against N. wall, 24" from NW cor., on an apparent floor level 25" below latest in Rm. 219, is a masonry-lined, unrimmed fireplace 38" EW x 17" wide x 10" deep.

ROOM 220

Masonry- Of large, friable s.s. with limited laminate chinking-probably to be classed as degenerate 3rd type using material from razed walls. Walls were plastered; 4 coats show in NW corner.

Finds- 2 manos, 1 hammer, fgts of 2 metates; misc. sherds, bird & mammal bones. These not saved.

Subfloor- Earlier floor, 5" below rests immediately upon 4" wide N. wall offset. On this earlier floor, 30" from N. wall & 19" from E., rude, plastered fireplace 25" deep x 36" dia at top & 30" dia at bottom. N. wall masonry extends 24" below offset & includes laminate chips to approach 2nd type masonry. On floor at depth of 24", masonry-lined & plastered firepit 4'2" deep x 34" wide x 41" NS; it is 26" from NW cor. & it extends under N. wall offset 4". 4" wide offsets on E & W sides of pit, 3" below room floor. Pit filled with chunks of burned, friable ss. & burned sand. 24" fill debris reconstruction between floors. E. wall, on 2 course foundation, rests on N. offset. W. wall has 2" wide offset at same level & tying with that of N. but W. foundation extends 25" below its offset. Paralleling N. wall at dist. of 6' & razed flush with floor is foundation that may mark position of former S. wall; it crosses room & continues under E. side where it rests upon 9" of ashy sand. That overlies a partly razed, plastered & sooted wall 6" thick; this latter emerges from under E. wall 5'10" from NE cor. & 8" beyond, turns N., finished on W. side only, to pass under N. wall 6" from NE corner, etc.

PUEBLO BONITO ROOMS - cluster with firepits like Alto (Judd's Papers, B ox 8)

ROOM 221

Masonry-Of friable s.s. blocks, obviously from razed walls, in what may be degenerate 3rd type construction.

Fireplaces- Central pit, 3'7" EWx28"widex31"deep, masonry lined; its inner NE corner is 5'6" from NE cor. of room & 9'6" from NW corner; its inner NW cor. is 8½' from NE cor. of room & 6'10" from NW corner. Pit filled with burned sand & small am't charcoal.

Second fireplace, on same floor level 22" from E. wall & 4' from N.wall, is 2' longx18" x 7" deep; ash filled.

Third fireplace, against N.&W. walls, is 18"NS x 16" x 7½" deep.; its S. end is a slab on edge.

Fourth fireplace, against W. wall 2' from NW cor., is 23" NS x 19" wide x 13" deep, & slab-lined. South slab is a metate with grinding surface out.

Finds-Small lot misc. sherds & 1 metate fgt-not saved.

Subfloor- Foundations of N, E & W walls are of good masonry & apparently represent repairs to the partly razed walls of an earlier. N & E foundations, 27" high & offs e. 5½" & 6½" respectively from walls of Rm.221, rest on & slightly overhang the partly razed walls of this earlier structure; W. foundation, 20" high & offset 17" from room wall, likewise rests on earlier walls. Subfloor room, with floor 5'2" below that of Rm.221, is represented by unplastered, smoke-stained walls supporting masonry which serves as foundations for N, E & W walls of Rm.221.

Judd's Papers:  
(~~Robert's misc. collections~~: Box 7)

PUEBLO DEL ARROYO

ROOM 65

Subfloor firepit- Earlier floor, with wall plaster rounding off to it, noted at depth of 4". Very few sherds noted between the 2 floors. On W. side of room, test hole revealed W. wall masonry ending 3" below original floor; also masonry walls of large firepit. North side this pit, 11" thick, passes under W. wall 9" below orig. floor at 48" from NW corner. Pit is 28" deep; its E. end 37" wide. Inner SE cor. is 6" from S.wall of Rm. & 27" from its SW corner; inner NE corner is 2'11" from W.wall & 4½' from its SW corner. Inner S. wall of pit goes under W. wall of room 9" from SW corner. West wall foundation, 10" high within pit, had been built upon stones filling it & thus prevented E-W measurement. Pit filled & consisted of irregular blocks of burned s.s., burned sand & charcoal, mostly pinyon. Pit walls burned to depth of 1½" without fusing its ½" mud plaster. No bone fgts or sherds in pit.

Note: Kiva "a" at Del Arroyo had only E.½ excavated. Fill of blown sand & razed wall material.

BONITO NE FOUNDATION COMPLEX (Judd's Papers: Box 8)

see Judd 1964:148.

