

Black var: not with pyrite mirrors, lead, bisect, animal feet, flanged lobes  
(both types), spreading feet, large cases,  
blackly with hay red, cylindrical caps, tall leg trifolds, negative,  
fossils with polyhrome, mixed.

~~Pyrite~~ polyhrome not with ~~trifolds~~ pyrite mirrors, lead, animal feet,  
large cases, flanged polyhrome, spreading feet,  
✓ certainly with negative, ~~trifolds~~, flanged trifolds, cylindrical caps,  
fossils with black, bisect, hay red, curved & mixed?

negative, not with polyhrome flanged lobes,  
doubtfully with large cases, spreading feet, animal feet, hay red,  
lead, pyrite mirrors,  
certainly with polyhrome, black, curved, mixed, cylindrical caps,  
~~flanged trifolds~~

Hay red not with lead, animal feet, flanged trifolds, large cases.  
doubtfully with polyhrome, cylindrical caps, curved & mixed.

Flanged trifolds not with pyrite, lead, animal feet, flanged polyhrome,  
large cases.  
With polyhrome, negative, bisect, cylindrical caps, curved var  
Doubtful with black, hay red, spreading feet.

Flanged polyhrome with pyrite, hay red, mixed - curved.  
Doubtful with spreading feet  
not with 8 others

Spreading feet not with pyrite, flanged trifolds,  
✓ only not with polyhrome & flanged polyhrome & mixed  
" with negative, black,  
With lead, hay red, animal feet, cylindrical caps, cases

Cylindrical caps not with lead, bisect, flanged trifolds, cases,  
certainly with polyhrome, negative, black, flanged trifolds, curved & mixed  
uncertain pyrite, hay red, animal feet, spreading feet.

Large cases not with pyrite, polyhrome, negative, black, bisect, hay red, flanged (both), cylindrical,  
curved & mixed  
With lead, animal feet, spreading feet.

Probably late

Pigite mirrors ✓

Metal ✓

obsidian earrings ✓

flanged polychrome vessels ✓

best curved & incised ✓

" negative flange ✓

vessels with spouts ✓✓

pottery stamps ✓

white on red ware ✓

loose & shell ornaments ✓

vessels with vertical handles ✓

in a group  
same  
when

in one  
group

vessels with cylindrical neck  
(around foot of vessel)  
covers bowl  
had little slope for  
first incised bands

Probably early:

Black ware

Diagnostic Objects

Teller topod 11175

Gold

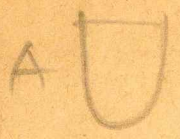
Copper

Turquoise

Alabaster

*[Faint, mostly illegible handwritten text at the bottom of the page, possibly bleed-through or a separate note.]*

Tripods of *L. laevigata* type.



10039, below, middle, polygon



10835, broad base, flat base, flange, patent do. in black or red  
10939, red in color



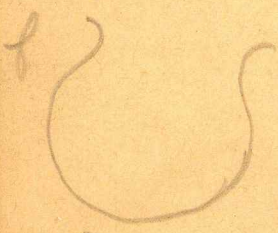
11043, broad, flat, flanged, buff outside & black inside  
11084 " " " " " " " "



11076, thin, dusty, very buff outside, brown inside  
broad, round bottom, not flanged  
~~11622 water~~



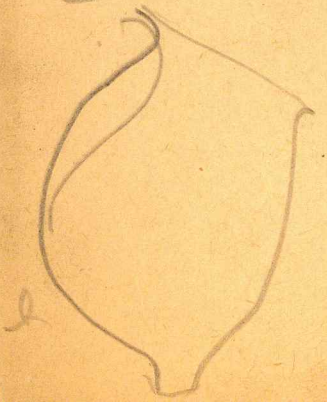
quasi coniform  
11089, like but with slight flange & geminate n. p.



11434, large, long hemispherical, buff, hole of  
conoid geminate hemispheric in black L. laevigata.  
11622, smaller but somewhat similar, also geminate inside  
11633 " hemispherical, plain



11524, coarse, lenticular, mixed, red & buff L. laevigata



11327, very large coniform, red  
L. laevigata



11597 + 11598, limit near, round bottom, thick wide, no flange, negative party starts on buff

11584 11585, same lat. base, flatter & flanged

11627. lower more, negative inside & out.

11690, 11696, 7 lat. slightly decayed for arrival from bed, flanged here, elaborate work.



11702 the bed glaze more round



11663, short legs of very broad flat plate underfoot red.



generally on black mud.

11251, large leg, deep, heavy, polished black 4 legs

11163 " " " " " " " " " " " "

11164, 3 small legs, deep, polished black

11179 " " " " " " " " " " " " flanged lamppost

11200 " " " " " " " " " " " "

lat, small solid legs.

11249, black lampstand body, hook & depression

11238 long lampstand, black mud, red outside

11262 " " " " " " " " " " " " red outside & inside gentle design, buff wide

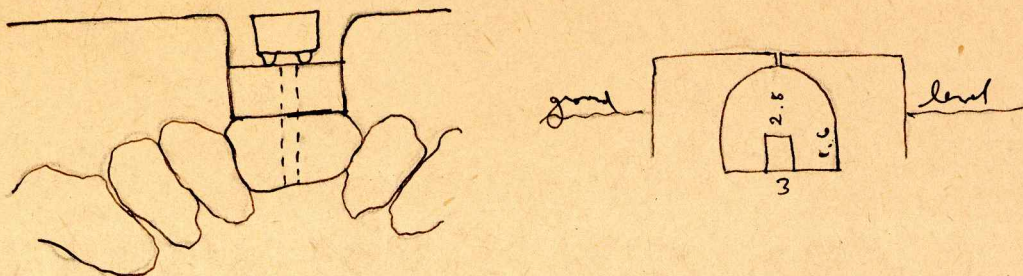
11165 " " " " " " " " " " " " def, weight, red outside, buff wide

11653  
May 1901



Notes on vault at Chipal.

About  $3/5$  below ground level. Chamber  $3 \times 2.25$  m; 2.8 high; wall straight for 1.6 m., then dome roof.



Has underground doorway, ~~vent or chimney in top of dome~~ about  $80 \times 90$  cm., <sup>built</sup> of squared stone & closed by single squared stone which fitted perfectly. Floor just below level of doorway, probably originally of plaster. Walls of rough stone without mortar. Arched roof also without mortar, built of naturally wedge-shaped stones; not false-arching with overlapping; jagged ends of stones "point at you from all directions." Dome clumsy & uneven, but solid. Hole <sup>broken</sup> made in roof had no tendency to enlarge and shows <sup>ed</sup> stones to be wedge-shaped. Keystone is rather flat, natural uncut with hole, possibly natural in center. Above this a squared stone with artificial hole continuing that below. Solid, shaped cylindrical stone with 4 short legs above this, to protect entrance to hole. Outside cap of stone & mortar, ~~probably made of earth etc~~ ~~this not specifically stated~~ forming great block.

~~Nos. 11324-11369 from this chamber. Consisting of~~

On several structures see great pieces of stone & mortar which originally supported some rather small figures or idols of the same material. The excavation of these found of especial interest.

L. H. J. P.

~~the~~ <sup>the</sup> pier <sup>stood</sup> between <sup>the</sup> tops of stairways; probably originally supported a figure; pier thickly coated with plaster. Interior of pier <sup>of</sup> earth in which were <sup>many</sup> ~~following~~ objects; casing <sup>with</sup> of squared stone & plastered exterior. No arrangement of objects and mostly broken when found. Two human skeletons found imbedded in plaster in front of foot of pier, head to head in front of pier, lying on sides facing outwards; not imbedded in plaster but surrounded by it; bodies probably buried in flesh.

Small underground chamber contained crystal spearhead, deer-antler figure, flint spearhead, ~~small round pot~~.

From small mound, 1 m. deep. Dainty vessel, on exh., high figure relief; white on red designs, mouth stopped by small stone saucer and small cup of thin gold in this.

*note* Pier <sup>was of our greatest interest</sup> of group A, Chipal, had its back to a platform and faced down hill, not raised on terraces ~~like that of B~~ but several shelves or steps <sup>at</sup> are the bottom. Small stone & mortar image, only about 1 ft. high, surmounted pier, had been destroyed. The masonry practically entirely mortar, very thick. Earth under pier and ~~not~~ imbedded in mortar remains <sup>from</sup> of 150 to 200 persons, no entire human bodies, mainly skulls. In one of the steps about 18 <sup>skulls</sup> arranged in 3 horizontal rows, in the foot of the pier from 30 to 40. Many more than these in underlying earth. Skulls crowded in earth under steps. Large censer urn ~~was~~ surrounded by a stack of possibly 80 skulls, 3 skeletons in front of it, side by side. This censer in earth beneath is middle line of pier and step. Yet ~~not~~ pier yielded much less pottery than <sup>from</sup> pier of B. Skulls generally stuck in mortar; some artificially deformed, forehead depressed, bulging at sides, One with lower jaw stuck in hole in side of skull would seem to indicate interment after loss of flesh. ~~From earth under steps, tripod rattling vessels,~~ 2 animal headed & 1 cylindrical; obsidian knife, some of tripods bright red and one with incised geometric design; large censer urn, red, relief spikes, etc., overlaid with lime. Earth inside pier contained coarse incense bowl without feet, spikes & relief face. Much broken pottery inside pier, but inferior in quality and quantity to that of pier B.

## Grave Associations

Tambor 11572-11579 (922-929) may be of interest; objects apparently unusual consisting of: All one mound, possibly same grave pottery figurine torso; coarse flat-bottomed bowl with spikes; lid of vessel with frog in relief; flat-bottomed bowl, black designs on red slip; 2 flat stones with grooved edges (bark-beaters?); several beads of green stone; flakes of mica.

Of these, the mica flakes are unique; the bark-beaters found only once at Chama (11022), they are plain without striations, one round, one oblong; the bowl or pot-cover unique, probably a turtle; the large bowl of unusual shape & decoration, # 10834 most resembling the latter; the spiked bowl slightly variant but resembling 11676, 11673, 11547-11549, 11314; the jade (?) beads typical; the figurine displays archaic or neo-archaic traits - solid ware, thin waist, wide hips, large round eyes with large central dot; but possibly made in mould. (figurine on exh.)

### Kixpek

(11580-11588)

Group A, Upper burial: large amorphous green stone bead; lump of red paint earth; obsidian knife; low flat-bottomed bowl, flaring sides, geometrical pattern incised on white slip (11583); 2 tripod bowls with negative designs; 2 cylindrical cups, both on exh., (11587, 11588) one with incised hieroglyphic band on rim and negative designs on body; other with band of hieroglyphs on rims & carved design on body; both white slip, black interiors, thin ware, red paste, deeply carved & incised, bit of carved bone

flanged

and Comments: association of broad tripod bowls ~~with~~ ~~flanged~~ with cylindrical cups; of negative painting with deeply carved & incised ware; both broad bowls & cups are of rather thin ~~very~~ red ware with very white slip; this ware with carved & incised designs is common in sherds from Chama.

id. Lower burial, 11589-11600: small bead; one of best of jade pendants, blue-green, "Chinese face"; 5 fragments of worked bone: 3 of them "Spoon or blade things", 2 tubular; flat-bottomed bowl with flaring sides, red ware, black inside, geometrical design in negative (11596); 2 tripod bowls, biscuit ware, black insides, negative p. outside; no flanges; 11597, 11598; 2 cylindrical cups, 1 plain, one polychrome but without herringbone border, 11599 + 11600

### Comments:

jade pendant looks rather Zapotecan, probably head in animal mouth; 11596 is cup with slightly flaring sides, on exh. these two tripod bowls slightly different from those in upper grave, smaller, deeper, no flanges, more curvilinear design. Cup 11599 is plain black, 11600 (exh.) high polychrome, red, orange, sepia, white; demon figures. with Maya hieroglyphs. Comments continued on next sheet.

Comments cont'd. Association proved of polychrome picture cups, black ware, negative painted ware, biscuit ware, ~~flange~~ tripod bowls with rattling feet, jade pendants. Negative painting on thin biscuit ware with black interior and white slip tripod bowls with rattling feet in both upper & lower graves, but some minor differences; 2 cylindrical cups in lower grave quite different from those in upper, but probably slight difference in period and culture.

Group B. Top burial, 11601-11614: Chamber <sup>at</sup> tomb stone bead, human figure on one side; large buff olla-vase with knobs & depressions (exh.); barrel-shaped crock; pitcher with cylindrical neck & spout; tripod bowl with jaguar feet, black inside, white outside, <sup>with</sup> geometric pattern in black; red hemispherical vase with carvings; bottle shaped vase with polychrome hieroglyphic designs (exh.), heringbone band; bottle-shaped red vase, small; alabaster vase; 4 pyrite mosaic mirrors; ~~exh.~~

Burial Q. 11615-11618 cylinder pot with cover; 19 obsidian knives; brown jug with neck, red and white;

Burial R. 11619-11624. Chamber: lump of red paint earth; mirror-remains; red tripod bowl; jaguar foot of tripod bowl; obsidian knife

Burial S. 11625-11627. Chamber: beads of resin; jade; tripod bowl, brown with pattern in black. ~~exh.~~

Burial X. 11628-11634. Chamber: jade bead; red pot with toad head relief; brown cylinder pot with relief face; smooth brown jug with flutings; tripod with cylindrical feet; small tripod with round feet; light brown tripod with jaguar feet.

Burial Y. 11635-11640. Chamber: Green pendant with huge nose; ~~exh.~~ obsidian knife; brown <sup>with</sup> tripod bowl; small vase with spreading foot; ~~exh.~~ lead glaze olla with grotesque head (exh. 0) (See Chipal 11539) ~~exh.~~

Burial Z. 11641. Chamber: brown jug like 11631.

Unlocated: pottery mould, human face in animal mouth; Pendant bead of green stone with face; large flint spearhead.

Comments: Graves from group B appear to be different in type from those of group A. and to resemble Chipal, those from A resembling more Chama. There are no cylindrical cups and no picture pottery; there is one specimen of polychrome pottery with the typical colors, red, orange, sepia & white, but on a narrow-mouthed vase and in non-pictorial designs; no incised, but one fine hemispherical carved bowl, pictorial; no true black ware. One of the special characteristics is the number of ollas with sub-globular bodies and wide cylindrical necks, often decorated with flutings, knobs & depressions but always artistic; tripod bowls with animal head feet; bowls with cylindrical tripod feet; lead glaze ware. Most of the above are more characteristic of Chipal. Also pendant with great nose. Characteristics shared by both Chama and Chipal seem to be: mosaic mirrors, pottery with relief, obsidian knives, carved pottery. Unique characteristics are: alabaster vase, cylinder vase with cover, pitcher with long straight neck, & vertical loop band handle; beads of resin; no vessels with basal ring & only 1 with spreading foot; most of bases tripod or flat-concave.

The typical vase-ollas are found in all graves except R & S. That in Y is unusual, small, tall, lead glaze with spreading foot. S is most variant, then Y. But tripod leg in R is identical with one in top grave, and that of Y identical with that of X. The latter have animal head rattling feet, are of thin brown gray ware and one or both with neg. p. Tripods of X & R are ~~identical~~ similar with round, rattling feet; that of R is a chili grater. The legs of the tripods in top and R are similar, eared animal heads, thin with neg. p., black interior, white and red exterior. Tripod 11627 from S is most variant with red nipple feet and neg. p. within & without.

The graves of B are probably of same age & differ from A. Certain correlations in same grave are: alabaster vase, polychrome pottery (but not picture or cylinder), tripod bowls of thin ware with animal head rattling feet, negative painting, carved picture ware, mosaic mirrors. Mosaic mirrors, tripod bowls with animal head feet; chili grater bowls. Tripods bowls with cylindrical feet, round feet and animal head feet. Tripods with animal head feet; negative painting and lead glaze ware.

Correlations are probable between all the elements of the above four groups.

Grave Associations #4

Chihuatal

11645-11671

Mound I. Top burial; 11645-11647

jade <sup>exh</sup> bead; mirror fragments;

~~XXXXXXXXXX~~

Bottom burial 11648-11655

spindle-shaped jade <sup>exh</sup> bead; mosaic mirror; polychrome flanged bowl with basal ring, like Chipal (902); picture <sup>macaw</sup> designs; obsidian knives; 2 hemispherical bowls with fine incised ~~designs~~ fine thin ware, black inside, white outside with snake incised designs, one incised (in studio), one carved (on ~~exh.~~), resemble Chama 533; bone tube; bit of plaster.

Mound II. Outlying burial, 11656 small stone beads

Stone chamber, 11657-11669. <sup>572-58</sup> jade beads; mosaic <sup>57</sup> mirror; cylindrical <sup>60</sup> cupped with hieroglyphs in black; bell-mouthed <sup>61</sup> bowl with patterns in white & red; ~~tripod~~ basin with everted rim; red <sup>62</sup> cylinder <sup>63</sup> cup; cylinder picture cup; quasi-cylindrical bell-shaped picture cup (on ~~exh.~~); flanged bowl with low round foot; low censer: cup with contracted mouth, pictures & hieroglyphs in red, black & white.

Unlocated, 11670-11671. jade beads; pestle.

B. Believes the burials in Mound I older than those in Mound II. Too few objects in top burial of I for comparison, but contained mosaic mirror. Objects in large burials in 1 & 2 quite different, but both contained mosaic mirrors. Otherwise no resemblances. Md. 1 burial had flanged polychrome macaw bowl almost identical with Chipal, also 2 fine incised & carved thin buff hemispherical bowls & a bead of spindle shape. Md. 2 burial contained mainly objects slightly unusual, 2 bell-shaped cups. one of them polychrome with usual colors but different art, the other (11669) unusual also; 2 cylindrical cups of other unusual types with traces of pictorial decoration in red & black; No flanged bowls, no tripods, ~~with~~ animal-head tripod feet. Ware mainly thin, red & rotten.

Grave Associations #5

Ratinluxul 11672-11705

Burial P, 11672, broken picture cylindrical cup.

Q, (inside chamber) 11673-11675; tripod censer, solid feet; with lid and several beads.

(outside chamber) 11676-11683; bowl without feet but with lid; small pot with lid. These three vessels are of heavy red ware with knobs & fingerpinched decoration and rude heads surmounting lids. painted flanged bowl; jade beads; pieces of pyrite mosaic mirrors.

R (11684) pyrite mosaic mirror

S (11685) bone disks

T (11686) bowl with rim band & knobs

U (11687-11691) 2 jade beads, anthropomorphically carved; end of bone tube; tripod bowl with animal head feet & neg. p. painted picture bowl; polychrome.

W (11692-11693) stone beads; fine cylindrical cup with Mayan incised pictorial designs & carved hieroglyphic border, m also some paint

X (11694-11701) 2 jade beads, flat carved bead; 2 flanged tripod bowls with neg. p. 2 polychrome bowls, one tripod. 2 cylinder cups, one tall, small, fluted, brown, other the finest polychrome.

Y (11702) lead glaze tripod olla.

Unlocated (11703-11705) beads & pyrite polygons.

Characteristics of Chipal

lamp-chimney vase, red & brown designs 11638  
cylindrical vase, heavy, with raised ridges 11630  
ring-base bowls, smoke-blackened  
stone axe-heads, mostly polished hard green stone. 11628-11628  
coarse red pottery with relief spikes & knobs & pellets, 11620, 11573  
large censers, hour-glass shape.  
copper bells 11258  
red powder  
large urn, relief jaguar heads.  
Lead glaze (?) ware, effigy olla.  
spherical olla with 3 vertical handles  
tripod bowls with rattling animal head feet.  
Tripod bowl with cylindrical feet  
Many rude vessels red ware, ollas, cups, bowls, some with  
loop handles  
whistle figurines (11349-653) hollow red, human face.  
buff, animals, head in jaguar mouth.  
Large cylindrical vessel leg with cruciform orifice  
Solid pottery figurines  
Sherds with death's heads  
Obsidian earrings  
effigies with traces of blue paint  
pottery disks with drilled holes, pot covers (?)  
Stone figurines, animal & human, green stone & steatite  
obsidian arrowheads  
flint spearheads  
stone mask pendants of tufa, quartzite, etc, long nose, grotesque & monkey  
large ollas with vertical loop handles, up to 6.  
pitchers, tall neck & projecting spout.  
tripod metate & mano  
Conical cup-base, turned on wheel  
stamp with handle  
section of pyrite (11397-703)  
Rings, etc, of bone, tooth, etc.  
Objects of shell, mother-of-pearl,  
Green stone beads  
Copper rings, buttons, fragments, bells,  
Gold beads, leaves, bands,  
Tripod bowls with globular rattling feet  
Bowl with perforated ring foot  
Large effigy censers and urns, some with high relief, some with  
red, yellow, blue coloring.  
Human head in snake's mouth.  
Hollow effigies & whistles, human  
Faces with nose-sticks & nose-rings  
crystal spearhead, flint id.  
carved deer antler  
lava mortar  
jadeite (?) objects, pendants, buttons, beads.  
painted sherd, red, orange, brown, buff (11487-786)  
(All the above were not excavated by Burkitt)  
(Following numbers from his excavations)

(Specimens from Burkitt's Chipal excavations)

Obsidian knife flakes

jade beads

shoe-shaped vessel

cylindrical vessel with rattling base

vase of lamp chimney shape with circular orifice

Cup with designs of negative painting

cup with incised figures and glyphs

censer with lattice-work body

bone rasp

lead glaze ware, one with caballero agula, one grotesque senile

tripod vessel with tall legs & twined handles.

black incised vessel

bowl with conventionalized painted parrots

piece of pyrite mosaics & backs for same

tiny bit of turquoise

crayons

pottery stamp.

*just like 11650.*

Large cases  
Room 20 11537, 11493, 11444, 11443, 11442, 11439  
11370, all black

11235 black & open cylinder, twisted case buff. silver type  
high counterweight & significant relief

new basement 11520, 11532, 11523, 11545, 11380, 11381,  
11438, 11379, 11378, 11323 all black

10991 black

11604 black

*Turnerley*

associations.

Flanged bowls with pronounced flanges, ring bases and red, black & orange or buff conventionalized or geometric designs.

11679. Ratlilixul burial Q. With 3 vessels of coarse red pottery with lids, spikes, finger-pinching and rude human relief. jade beads, pyrite mosaic mirrors.

11650. Chihuatal bottom. spindle-shaped jade bead; pyrite mirror; obsidian knives; 2 hemispherical bowls with incised & carved designs; bone tube; bit of plaster.

11555. Chipal IV. large massive rude tripod basin with solid cylindrical legs; lid of vessel, coarse with handle in form of human head. another vessel 11555, something like 11555.

11217, 11219, 11220. Chama. carved & incised hemispherical bowl. hemispherical bowl with round spreading foot.

Very suggestive associations here; note two instances of rude heavy red relief ware, two of incised fine hemispherical bowls, but not together, coarse ware at Rat. & Chip., fine ware at Chih. & Chama. Note absence of tripods with rattling feet; negative painting; fine pictorial polychrome; cylindrical cups; lead glaze;

35A-64  
376-87

*tombs*

Associations

Tripod bowls with less pronounced flanges, buff surfaces generally with negative painting, generally thin ware, rattling legs, generally not in animal head form.

11690. Ratinlixul, U. Negative geometric, legs slightly modified to animal head form. With 2 jade beads, human carved; end of bone tube; polychrome picture bowl, round bottom.

11696. Ratinlixul, X. identical. With 2 jade beads; polychrome round bottom picture bowl like preceding; polychrome tripod picture bowl with herringbone paint & short, solid, conical legs; fine polychrome picture cylindrical cup; tall fluted cylindrical red vase; biscuit ware tripod bowl with flange & negative painting, feet gone, (11697) geometric n. p.

11089. Chama. Most resembles 11697 just above; nipple rattling feet, buff biscuit ware, red base, geometric n. p. With buff artistic olla with cylindrical neck & 3 jaguar heads in relief; coarse crock with high round foot & rattling monkey-head handle red & white. Less intimately associated: fragments of polychrome picture pottery & bead. (These were not in tombs and possibly all nos. 11034-11133 are associated.)

11301 Chama, no associations, pronounced flange, thin buff ware, conventionalized animal in n. p. Sherd, no legs.

~~11383, 11384, 11406, 11417, 11521, 11522~~

11043. Chama. Broad, black interior, buff exterior, thin ware, rattling nipple feet. no n.p. noticeable, possibly eroded. With smooth black cylinder pot; smaller brown id.; bell-shaped chocolate cup; jade ball bead; jade figurine (11045-possibly the one done with edge of hollow drill technique). Probably also associated: shallow bowl, ring base, red outside, black inside; white cylinder pot; jade bead.

11084. Chama. Identical with above. With dark brown glinder pot. Less intimately associated: grotesque human face; cylindrical picture cup, polychrome, herringbone, fish; cylindrical picture cup, black on white, possibly n.p., some red & carving; tripod bowl, sausage-shaped rattling feet, white outside, red in; black flat-bottom bowl, monkey-head relief; 3 small pots with lids & relief, animal figures for handles; spikes, etc; tubular & button-shaped beads. (Probably 11049-11061, and possibly all 11034-11133 are associated.)

11585, 11584. Wide, thin, biscuit ware, nipple rattling feet, geometric n.p., Kixpek. With jade bead; red paint; obsidian; small flat-bottomed bowl, geometrid incised designs; cylindrical picture cups, bell-shaped with neg. p. & incised hieroglyphs on rim; id. with hieroglyphs on rim & carved design on body; both white slip, black interior, thin ware, red paste, deeply carved.

Comments on associations of tripod bowls with negative painting and rattling feet, with flanges.

Legs are generally nipple-form, but in two cases slightly modified to animal-head form.

Uncertain if all of several types are contemporaneous. None are from Chipal or Chihuatal.

11179. Chama. The most variant one. Black ware, bent truncated conical feet. With peculiar short cylindrical cup with 3 hollow rattling rectangular feet and 4 hollow rattling knobs, (Toltec type?); 3 round-bottom bowls, black-olive, black red and chocolate, latter with relief knot, other 2 with relief ornament; slate disk.

Polychrome pottery is certainly associated with type A, probably with B, C has no ass., probably with D. Type E associated with carved pictures. F quite different. Cylindrical cups with A, D, E. Round bottom bowls with A, possibly D & E.

No associations with animal-head tripod legs, pyrite mirrors, polychrome flanged tripods, incised hemispherical bowls, lead glaze,

The associations of B (Chama) are unique: cylindrical necked-olla of Kixpec type & coarse red & white small vessel with monkey-head handle, & high round foot.

Associations of D (Chama) unusual: black ware; bell-shaped cups; jade figurine (~~Yp/δw/dt/ll/~~) (rude, archaic); monkey-head ring black ware; small vessels with lids, spikes & animal relief (Chipal type).

Associations of E slightly variant; those of F entirely different. A type associations probably most typical.

Polychrome ware associations:

transcribed  
typed on

A. With herringbone borders:

- tyt - 11091 Chama sherd (see next)  
11092 " " See 11089, neg. p.  
tyt - 11097 " " . black cylindrical pot; black basin without  
foot; small coarse cylindrical pot; 2 beads, one apparently  
figurine cut with hollow drill.  
tyt - 11104 Chama sherds  
11103 " "  
tyt - 11209 with figurine whistle, cat-beast; small cup without foot  
or handle, white & ?.
- tyt ech - 11184 Chama bat-god: with another of identical type as below:  
tyt ech - 11185 " priests; fine brown hemis. bowl with short cylind.  
neck & carved hier. on neck;
- tyt?ech - 11600 Kixpek lower burial jade bead & pendant (finest-11590);  
5 pieces of carved bone; flat-bottom bowl with n.p., black  
m interior; 2 tripod bowls with n.p., no flange; plain  
dull black cylinder cup. (not herringbone border)
- tyt ech - 11701 Ratinlixul X See 11696 n.p.
- tyt - 11074 Chama. See 11084 n.p. (Less intimate associations.)
- tyt ech - 11221 Chama. Ceremony/ no associations.  
tyt ech - 11222 " . Bat-god /  
98
- tyt - 11699 Ratinlixul X (See 11696 n.p.)
- tyt - 11691 Ratinlixul U See 11690 n.p.
- 
- ? 11672 " P No ass.
- 7 11666 Chihuatal stone chamber under mound.  
jade beads; pyrite mirror;

Associations of Solder copper at Lhpfal

Lhpfal 876, 602, 603, 722-32 more elsewhere

Sold 733-38

Lhpfal Lhpfal: 690-740 = 51 numbers, 11384-

\* 11307  
drawing

Polychem Associations contd.

after 11666 cards (11657-11669 set. (all slopes) unusual)  
not quite typical  
jelly heads; pyrite mass; cylinder jet - bell mouth, heavy flange or black;  
brown, bell mouth head, pattern in red & white; horn head, slight flange,  
low round foot; very broad red lam, 3 short solid feet; red yellow jet,  
cylinder jet, red & black pattern; bell shape jet, head with flange &  
foot; low case with round foot; jet or head contracted mouth, pattern  
in red, black & white.

10835#10838 Sinker, no association, not typical

typical 11075 Lhpfal see top of not v. f. 11084

? 11139 Lhpfal Bottom red A  
matrix, marks - four sides

? 11142 Lhpfal red B. pyrite mass, four head

~~11152~~  
" " " " " " " "

not typical 11320 Lhpfal case, unusual, no association

not typical 11607 little case, narrow

typical -11693 Patented w. heads

Comments on association of typical polychrome ware  
no animal-head tripod?; no lead glaze? no figure mirrors (see 11666)  
flanged bowl with rim & breast ware; dia + self-judging lines, black  
ware; figurine whistle; curved handle; jade; carved bowl;  
breast ware; monkey-head relief; 4 small pots with lids;  
Bell-shaped cup 11666 slightly variant.

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Lead glaze associations

~~11639~~

~~10957~~ ~~sub-banded V.P. no glaze~~

~~11449 + 11450<sup>+11451</sup> banded XX (11434 - 11464 - all mixed)~~

~~11508 banded alone (mostly all 11502 - 11523)~~

~~11537 " alone~~

~~11638 + 11639 banded Y (11035 - 11040)~~

~~patent with large nose; broken base, top of bowl;~~

~~11702 Potential Y, alone.~~

~~On banded Y & banded Yk?~~

~~11539 banded complete tall case, no jar, opening feet, top of bowl days~~

~~From banded chamber (11384 - 11433 + 11307) none~~

~~Amural - had feet none from chamber~~

~~11312 banded with little else~~

~~11536 " E complete tall case, 11528 no jar of body, feet, with lead glaze on end.~~

~~11435 banded XX (11434 - 11464) with lead glaze on end & also stitigods~~

~~10846 " variants broken~~

~~11490 + 11492 banded A (11468 - 11492)~~

~~small light & light red nose feet, jar, top of bowl, broken bowl~~

~~11327 banded bands of Rm 2 (11325 - 11368) no association also under figures 11328~~

Associations of tripods with animal-headed rattling feet.

- ✓ 10846-Coban, no associations.  
✓ 11435- Chipal XX (11434-11464), with lead glaze as below & also other tripods. also 11436 & 11437.  
11490 Chipal A (11488-11492) with small red pot & high neck  
11492 & no feet; jaguar relief bowl; obsidian knife; also 11491  
11327 Chipal, chamber of ruin #3c (11325-11368) Look up associations.  
11328 Also tripod 11328

~~10957/355/130/278/568/1373/1/3/263/23/30/31/31/375/  
11349/013/21/373/  
11550/3~~

- 11312 Chipal, with bottle olla  
11536 Chipal E, with coarse pot, tall censer, red jar with spreading foot, lead glaze.

Note that there are none from the chamber of ruin 18  
(11384-11433, 11307)

~~116~~

- 11506 Chipal, yard between mounds (11502-11523) especially with small smooth red pot, short neck & round foot.  
(this belongs with # 11435, 10846, 11490, 11492, 11437, 11327, 11436)

- 10877-10881 Coban district, surface find  
10846, 10930, 10936, 10938, ~~10949~~ Coban district  
10949 Cajabon district  
10964 San Cristobal Verapaz district

Note none from Chama.

11328 and 11491 are cylindrical rattling legs without animal heads, but both found in association with them as above.

11632 Kixpek X, has also cylindrical feet but broader, shallower, heavier than those above; associations as given *below*  
~~with n.p. flanged bowls.~~

Other types

11605, Kixpek, top burial, group B. With jade beads; fine buff olla with knobs & depressions; barrel-shaped crock; olla with cylindrical neck & spout; fine carved red hemi. bowl; painted hieroglyphic bottle; pyrite mirrors.

(This burial very unusual)

This tripod thin biscuit ware, peccary heads, shallow, fine n.p.

11634 Kixpek X With jade beads; small pot with reptile head relief; brown crock with flutings on body; tripod with cylindrical feet above; tripod with round feet.

11637 Kixpek Y pendant with huge nose; obsidian knife, 2 lead-glaze vessels.

These two are thin, light, deep, hemi.; traces of n.p.

*animal heads.*

Associations of tripods \$2

- 11690 Ratinlixul U See flanged tripods; these two have very  
11696 " X rude animal heads built up upon them.

Tall feet of Chiriqui type

- 11230 Chama. black round bottom bowl; dark olive bowl; nearly  
11231 flat bottom 7 straight side; ~~4~~ dark bowl; 2 hemi-  
spherical bowls, one with broad foot & 1 with  
latticed base; tripod black basin; obsidian knives,  
another long-leg tripod.
- 11546 Chipal Md. 3, identical with ~~above~~. 3 small censers with  
ring of spikes; black bowl with incised & carved  
hieroglyphs;
- 11236 Chama black incised, human figures on legs. No immediate  
associations. but 2 large unusual fine buff censers  
nearby. Found near 11230 & 11231 above.
- 11296 Chama unlocated, long leg moulded in human form.

1  
 All large crabs + more + large vessels in form of bluff  
 (look up the or each). One large cylinder below with  
 one (solid type) form of band. 1 large vessel from  
 below.

Taped heads with hollow rattling feet in form of animal heads and  
 very typical. From below:-

- 11420 (Jugon?) red
- 11427 (Buggard - red)
- 11425 Jugon - red
- 11437 Buggard, red; 11440 tepin; 11442 (Jugon - red)
- 11431 11440 Jugon, red. 11446 Jugon - red
- 11536 Jugon, red

- 11491 fake dent
- 11328 hollow rattling cylindrical, 11492 red.
- 11434 knurpled rattling.
- 11552 day, massive, wide, solid cylindrical legs.
- 11440 tall leg, 11441 large type, rattle
- 11327. ground, hollow, uniform, separate leg..

Taped like the four other pieces:

- ~~Rattling animal heads~~ 10877, 10881, Jugon below dent
- 10846, 10850, 10856, 10838 Jugon below dent
  - 10864, Jugon 10849, Jugon below dent

No animal head foot from below.

- 11605 (Jugon, hollow, rattle, feet, new shape)
- 11639, 11627 Jugon, thin, new
- 11600, 11696: not animal flayed, rattle, pointed



Black ware

~~b. hupol: 11550 + 11551, fragments of 2 or 3. all of  
folded brown & black ware, incised, one very  
fine, with fine lines. B. white excavation  
any more on exhibit?~~

~~Siopoh 11599 plain black cylindrical cup.  
Potential 11686 " " and bottom bowl with knobs.~~

~~Blana 11249 3 short uniform solid legs.  
beaver ware, deep bowl, knobs & incisions  
11251 deep bowl, knob, 4 <sup>legs</sup> legs.  
11227 deep olla with lettered foot, incised  
curvilinear designs.  
11222 low bowl-shaped bowl.  
11229 bowl with round bottom, straight sides  
& slight molded ornament.  
11225 slightly fluted bowl  
11221 folded black bowl, large rilling leg.~~

~~Potential 10980 Black pottery bottle no ass~~

~~La Manyan 11002 small red pitcher  
Blana 11031 small flat bottom deep bowl, then small  
11042 " deep cup,~~

~~11076, 11066 shallow, flat bottom plate, folded, plain  
11075, 11028, 11041, 11083, deep black cylindrical cup  
11077 cup with molded knobby feet~~

~~11182, 11182, 1122 - 1124. shards.  
11159, long cylindrical cup, 3 solid small legs, incised.~~

~~11170, 11171, 11172, 76, 77, 8 round bottom bowls.~~

~~11063, 4 large rilling legs~~

~~11164~~ 3 small rattling legs, finished back Black # 2  
~~11166~~ nose heavy, flat base, straight flange sides.  
~~11179~~ 3 rattling legs.  
~~11192~~ thin nose, shallow nose base hole.  
~~11200~~ deep hole, 3 small rattling legs.  
~~11211~~ flat rest  
~~11085~~ one each  $\sqrt$  monkey relief

Basins

~~10890~~ to show }  
~~10956~~ to show } one type, look  
~~11021~~ to show }  
~~11524~~ to show, different type - etc.

The workshop

~~10951~~ to show  
~~11511~~ to show  
~~11521~~ to show  
 one of them

T off of to show finished

Johnson terrazine, 11097-11104,  
 thin, fine, red nose, buff relief, often blackened inside, fine  
 wind design, 11110, 11112  
 down repeated relief, the 2 are often combined.  
 white on red, 11105  
 monkey heads 11124.

Thin red nose with white slip + often blackened inside,  
 design in fine wind lines, canopy - low relief, etc.

10905-10913 to show  
 11240, 11242 (11597, 11598, 11584, 11585, 11697)  
 11043, 11039, 11076, 11089, 11087, 11157, 11193

### Excavations 3

Chapel

Chapel burials nearly destroyed, sometimes graves reused & earlier contents ejected or thrown into cover.

See 11521-11522, especially 11519

11601-11614

11623

~~11625~~

No burial entirely undisturbed; least so in 11601-11614

Chapel, Island, Staff, Church, Retained all on upper ledge or D Quail & its affluents the Hoopon, former of El Quicke near Chestnut Mt. Chapel the most distant & most recent, other 4 close together, W. of Island. P. seen spot of soil Chapel etc. contents, other lot. B. found in undisturbed burial at Chapel. Empty graves the majority.

Chapel Pier of Group A; 11488-11499. Boyard with contents of pier of group B (11434-11404). Small stone & mortar image originally surmounted pier.

Notes on excavations

Edana mound A top

Does bottom digging (11136-11139) differ from top?

water, sherd, including monkey-face relief & sherd of painted cylinder.

11163 ~~to~~ 11168 new deep

4 footed bowl; black; 3 other black bowls with pedicel slot rather feet, black new older?

T other cylinder with knob 11175 not deep

11187 - 11190 (pyrite, cylinder foot) upper

11191 - 11195 (mused hieroglyphs, cylinder foot) lower

11200 pyrite in top soil

11208 figurine whistle in top soil

11209 cylinder pedicel foot with hanger in top soil

11211 - 11215 deeper

black foot rest, head (11212) pedicel;

Edana

11223 - 11232 deep, also 11169 - 11174 (& 11805) and 11216 - 11220.

11223 - 11232 contains round bottom black bowl, black bowl round bottom bowl, black; black glaze bowl with round foot, black bowl with lattice base; tripod black basin; 2 tripod with tall legs.

11169 - 11174 contains thin horn bowl 2 black round bottom bowl, 2 red cylindrical foot, large slate disk

11216 - 11220 contains mused make bowl, polyhrome flanged bowl, knurled bowl with foot, another mused bowl. - fragments of 3d (this group quite different for the function

Large case + work 11234 + 11235 mostly on surface

11236 Black tuffid with tall human legs one just below top soil

11243 Black pit over clay floor

11247 pyrite in top soil.

best kept

Chapel dark with vaulted roof. In contents nos. 11324-11369: red lead (just outside vault) tuffids with animal rattling feet, many small round vessels, globular etc with upright rilled bands, 1 to 4, vessels with spreading feet, highly polished red ware, cylindrical vessels feet, modest org. p., (great vessels, black or brown) obsidian knives, red cylindrical caps, buff slip, bands above + below, jactant disc, foliately incised finitely jointed, leaf chimney shapes, round foot, figurine whistles, foliately modeled, figs + fig whistles 11350-11353, great red hollow globular by with cross opening, traces of the chis, 11364 spoke slope grey stone head + human figure (get description) obsidian spe + flint spearheads.

Chapel near XIV ~~best kept~~ contents:

great red ware with relief, containing burnt corn + stone beads + grotesque stone masks (11371-11376).

Chapel to lower 18 Outside chamber in atterent large globular vessels with outward loop handles, one with spot. ~~Large~~ chamber + tuffid material + smaller. Inside chamber 11384-11433 + 11307, red buff jointed ware, high relief, jactant wheel made vase, ocarina whistle, triangular stamp, small stone beads, obsidian spearheads, pyrite mosaic, much shell, bone, copper + gold + obsidian rings, perforated human teeth, small copper bells, discoidal + tubular stone beads, shell beads + beads.

Over

Pier of 20.

11434-11464

lehigh

many types of vessels with setting feet: highly polished red, jagged corner feet; buff porous feet & incised pictorial ornament; glaze setting feet with curved - mould ornament filled in with black.

Other type great footed basin, white on red designs ..

large red corner mugs (5 of them) 11439, scalloped relief, spreading foot, flange high relief four pointed red, blue & yellow, had in crocodile mouth, short of incised lines, rim with animal head relief red lead red ② lid of

one (ext ?) 11451, large, lobed, red, brown figures, whistle mug (11454) another form animal mouth, over the front

Small underground chamber 122 (11465, 11466)

Joseph Barlett

Joseph Group B. Good great burial pit containing human remains  
3 pits together. Pits surrounded by beads. More than one person in  
each pit. Internally subjected, fragments of lid found under the  
body in one case.

Joseph Mound A. superimposed burials, but both of same manufacture.  
round stone lined, lower in <sup>2000 B.C. level</sup> original soil, upper in mound. Setting burials  
East contains 5 vessels, goods undisturbed. Jade better in lower group,  
five ways; incised above, negative below; neg. for tripod above & below  
flanges above, absent near below; both cylindrical cups; incised & negative  
above  
E.S. incised more later than polychrome? flanged looks later?

Joseph top B zone situated like top of A.

bottom B - - - - - Bottom A.

T of zone for micras, alabaster case

Potential - groups T, X, W, possibly Y & V probably later than  
P, Q, R, S - possibly U.  
T especially probably later