

- PIZZICA 1978-
NOTEBOOK # II
FIELD NOTES
pp. 42-80



Description:

M1-1 Level 4, Batt. 2 S. of Wall

69 P votive hyd

~~70~~ 70 PL lot 84T - Tile frag

71 B - bone

M1-1 North of W. Level 4, Batt. 2

72T St. F.

78P Lekrim

73T St. F. Head

~~74P~~ ~~lot~~

75T Fig. face frag

76PL lot

77B shell fr.

June 28, 1978, cont.

0'-7 Level 3, Batt. 3 208 Pt

Once again the soil in the SW corner of this square contained ~~a~~ a very high conc. of red sand giving the soil a reddish color. The main conc. extends for c. 1.50 along the south edge of the sq. and has a max. w. of c. 0.70m. The rest of the soil is the more typical gray clay with the amount of red sand present decreasing as you move northward. Material very limited in quantity, includes various coarseware sherds, one red fig. frag w/ a meander pattern, and a some gray ware frags. There are scattered patches of conc. of red sand throughout the sq. in add to the SW corner.

MEGALAN BOWL

-7 Level 3, Batt. 3.

Batt. has been completed, and it should be noted that this is a deep batt. c. 0.20 - 0.25m. The stickiness of the clay lends itself well to taking out big chunks of the mch. The workers in 0'-7, -8 are taking out a batt. of more normal depth c. 0.15m. There was a great deal of material as previously noted including many red figure frags and a few statuette frags. Most perplexing is the continued presence of a few shreds of gray ware. The problem of gray ware in supposedly Greek layers, see #1-1, seems to be one of the themes of this season. It's a problem which must be solved if the chronology of the site is ever to make any sense.

*There is also a sheet w/ named the w. may be connected to the site.

0'-8 Level 3, Batt. 3 204 Pt

Soil continues to be gray clay, and as in the adjacent square this is a deep batt. ^{28% red sand} The quantity of material has dropped significantly which is in keeping w/ the finding of the East-West in the 1977 season. So far only two red figure frags. have appeared, and both those were found very near 0'-7. One frag. has the fig. of a man, the other has the up. of a head. Most sherds are coarseware ~~and~~ of Greek appearance. There are also some grayware sherd including a large rim and red fig with a horn. A few more red fig frags have appeared including a ~~frag~~ w/ what appears to be the trunk ~~top~~ of an animal; ~~drag~~ ^{drag} ~~liber~~ ^{liber} ~~por?~~

(A2)

rubbed decoration. A small piece of copper or bronze w/ green patina
also found, 0.025 x 0.018.

O'-8 Level 3, BATT. 3 213 PL

Level has very few finds ~~and few~~, some scattered coarseware
frag and a grayware sherd. The soil is predom. gray clay,
however along the south edge of the sq. there are some very
high conc. of red sand as ~~is~~ found in N'-7. Also there are
some patches of very dark colored soil, almost black,
as noted in previous batt. in this area.

STRATIGRAPHIC LEVELS

L'-1 Level 2, BATT. 4 NORTH OF IRRIGATION CANAL

SOUTH EAST CORNER - -8.93 m.

NORTHEAST CORNER - -9.11 m.

Basin: CENTER - -9.01 m.

TOP OF CONGLOM BLOCK - -8.73 m.

NEXT TO SPOUT - -8.79 m.

PAVEMENT AT R.F. FRAG - -9.02 m.

EAST EDGE OF UT TILE - -8.92 m.

LAYER OF GRAVEL TO BE EXCAV. (CENTER) - -8.79 m.

AREA OF TWO LARGE BODIES - -9.12 m.

N'-7 Level 3, BATT. 3

NW CORNER - -9.21 m.

SW CORNER - -9.16 m.

CENTER - -9.23 m.

N'-8 Level 3, BATT. 3 -

NW CORNER - -9.19 m.

SW CORNER - -9.20 m.

O''-4 Level 3, BATT. 3. (AREA SOUTH OF 1977 EAST-WEST TRENCH)

NW CORNER - -9.16 m.

SW CORNER - -9.13 m.

CENTER OF EXCAV. AREA - -9.17 m.

O'-8 Level 3, BATT. 3 (AREA SOUTH OF 1977 EAST-WEST TRENCH)

NW CORNER - -9.19 m.

SW CORNER - -9.14 m.

JUNE 29, 1978

WORKERS ON HOLIDAY TO POMPEII

A LITTLE TRAVELING IN O¹ BY MICHAEL AND GINGER.

SUPERVISOR DREW FOUR LEVEL PLANS, AND REMOVED THE RED-FIG. FRAG AND TWO OF THREE BONES FROM L¹⁻⁷ WHICH HAD BEEN LEFT IN SITU FOR PHOTOGRAPHY. ^{LY 2, B, S.} THE REMAINING BONE WAS TOO FRAGILE TO REMOVE IN TIME AVAILABLE. ANOTHER ATTEMPT WILL BE MADE LATER.

June 30, 1978

N¹⁻⁸ LEVEL 3, BATT. 3. 238P 239B 240P

WALL STRIP KEPT ALONG EAST EDGE OF SQUARE ON WED. COMPLETED. SEVERAL FIG. SHERDS INCL ON W/ THE FIG OF A YOUNG ATHLETE, THE OTHER W/ THE FIG OF A WOMAN. ALSO THERE WERE FIVE GRAYWARE SHERDS, NUMEROUS COARSEWARE BLACK GLAZE SHERDS, AND ONE BONE FRAGMENT.

O¹⁻⁷ LEVEL 3, BATT. 4 228P 229T (ST)

THIS BATT IS BELOW THE LEVEL OF THE HIGH CONCENTR. OF RED SAND AS NOTED IN THE PREVIOUS BATT. Soil is gray clay throughout w/ sand in the matrix & some streaks of red sand. Material as seems to be the case in this area is of a limited quantity. Some black glaze frags. among the coarseware. A few grayware frags. incl. the neck of a strainer. Two statuette frags. one of which has prob. a bunch of grapes on it or less likely a cl. I had thought that there was a small red-fig. frag. the lot, but now I can not find it.

N¹⁻⁷ level 3. BATT. 4 216P 218B 219P 220P 221P

Soil is gray clay with sand in the matrix and streaks of red sand. Some carbon lenses are also present. 222P 223P 224 (PRF) 225P

Along the north side of the square is a layer of gray clay w/ very little sand present. A much higher clay content; ^{56P} ~~some~~ carbon lenses present in the matrix. The layer ²²⁷ of purer clay widens as it moves to the east where it is c. a. l. 5 m. wide at east edge of square. Tiles fall visible at bottom of batt; the fall which indicates the beg. of level 4. Large amount of material including some red-fig. frags and figurine frags. Many coarseware and black glaze frags of the nature, incl. a lg. frag of a plate.

and a large amphora neck frag.

* The Munsell rating of the clay is betw. 7.5YR N 5/ GRAY AND 7.5YR N 4/ DARK GRAY MOIST. w/ IT TENDING TOWARDS THE DARKER color.

0'-8 Level 3, BATT. 4 237 PL

Level contained very little material once again. One frag. of red fig. ware, a couple frags of black glaze and some coarseware incl. a circular loomweight. One grayware sherd.

1'-8 LEVEL 3, BATT. 4 241 PL 242 P 243 B ~~244~~ ~~245~~

The layer of purer gray clay noted in N'-7 continues to expand eastward in this sq. The layer expands to almost the full width of the sq. 1.0-1.25 m. $\frac{7}{8}$ from its east-western edge. Material consists of various coarseware and black glaze frags.

A few grayware sherds are present, among them is a frag. w/ a raised design. A sherd of similar type was found in N'-7, -8 a couple of days ago. Prof. Latarge who was on the site suggested that it might be a local imitation of a Megara bowl. A large red figure frag. w/ the depiction of a winged Eros and a small badly corroded Greek bronze coin were also among the material.

0'-7 Level 3, BATT. 5. 230 PL 231 T (Vot. P.) 232 T 233 T (ST)

Although in N'-7 the tile fall was reached after four batts, signs of the tile ~~has~~ ~~to~~ ~~be~~ ~~fall~~ has only appeared after five batts here. Soil is gray clay w/ sand in matrix as we have been encountering. Quantity of material is greater than usual for this area, however much smaller than in N'-7. Numerous coarseware and black glaze frags, a few grayware frags, and five statuettes frags.

1'-7 Level 4, BATT. 2 234 PL 235 P 236 T (ST)

Prof. Carter has ordered a very shallow batt. to further expose the tile fall. This has been design level 4, since it is in the next till fall, even though not to the customary depth of a batt. The levels in this area are being kept to the usage of the 1977 season, see the field notes of 1977 and the level plan of the East-West test trench of the 1977 season. Only about a 1.0 m x 1.0 m area was opened before the end of the day soil is the gray clay w/ sand that has

been present in previous levels. Material is limited as would be expected due to depth of batt. and its extent at this time. Various coarseware and black glaze sherds and one statuette fragment.

N¹-8 Level 3, Batt. 4.

~~At the corner~~ In the northeastern corner of the part of this sq. under excav. a large wall has appeared composed of ~~co.~~ stones and possibly a conglomerate block. It may very well be parallel to the lg. wall in the squares to the west & is certainly assoc. w/ them.

* See levels below

July 3, 1948

O¹-7 Level 3, Batt. 5, 253 Pt

Batt. begun last Friday now completed. Signs of till and stone conc. continue to appear at bottom of batt. This conc. definitely slopes down from N¹-7, -8 towards the south. Material consisted of a few coarseware sherds and the base of a shylhol.

A few nails have been placed in the south wall corresponding to the bottom of this batt.

N¹-7 Level 4, Batt. 1

(Bottom of batt. is c. 0.17-0.18m ^{down from} North wall)

This batt. continued from Friday. It is a very shallow batt. ordered by Prof. Carter to further expose the second tile + stone conc. Since it is scratching the surface of this conc., I have design. it as the first batt. of Level 4. Depth of batt. is c. 0.08-0.09. Although this batt. is taking out some of the till + stone conc. it is primarily defining it. The material of the next batt. should be all assoc. w/ the big N-S wall, since this tile + stone dep. runs right above that wall and then slopes downward into the areas under excav. Material is predominately coarseware glaze with some black glaze ware. A couple anomalous teeth, ~~two~~ ^{two} flages of gray ware, and six statuettes frags. were also present.

Some nails put in north wall at the top of this batt.

The conc. of dark gray clay of high clay content cont. along the north end of sq., see descr. of Lev. 3, Batt. 4, *

STRATIGRAPHIC Levels (TAKEN ON JUNE 30)

M¹-I

MID POINT OF WALL I - -8.43m.

PAVEMENT NORTH OF WALL I - -8.77m.

~~PAVEMENT SOUTH OF WALL I~~ NORTH EAST CORNER - 8.91m.

Northwest corner. - 8.63m.

Southwest corner - 9.11m.

Southeast of wall I - -8.81m.

Pavement N. end of Wall I - 8.99m.

N¹-7 Level 3, BATT. 4 - ~~8.91m.~~

Northwest corner 9.41m.

Southwest corner 9.41m.

Northeast corner 9.33m.

Southeast corner 9.30m.

Center 9.35m.

O¹-8 Level 3, BATT. 4

Northwest corner -9.28

Southwest corner -9.29

Northeast corner -9.37

Southeast corner -9.33

Center -9.31

O¹-1 Level A, BATT. ? (BOTTOM)

ALONG BANK EVEN w/ PUMP - -9.30m.

West edge of pavement -9.34m.

large block in pavement -9.26

South end of wall -9.61m.

Mid area east of wall -9.57m.

Mid area west of wall -9.57m.

Raised area to east -9.36m.

N¹-8 Level 4, Batt. I. 263 PL 264 P(GW) 265 P(GW) 266 T(LW)

One of the early finds in this bath was another frag. of grayware with a raised decoration. The decoration is in the form of raised dots. ~~It~~ Poss. local imitation of Megarian bowl

267 T (ST)

0'-8 Level 3, Batt. 5 251PL 252T 260T (Vot. cup)
+ ST

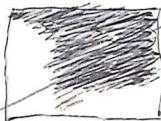
The soil continues to be the usual gray clay w/ sand in the matrix, however in the center of the excavated area there ~~are~~ are some patches of purer clay, comparable to what has been found in N¹⁻⁷-8.

A stone w/ a worked spiral on it was found in the fill dirt of the 1977 East-West test trench. Its position although equal to this level has no reliability since it was from the fill dirt.



* N¹⁻⁷ level 4, Batt. 1 247PL 248P (CW streamer) 249B 250T (ST)

A large number of stones are visible at the bott. of batt. mixed w/ the tiles of the second tile & stone conc. Stones are for the most part fieldstones ranging fr. c. 0.05 - 0.25 m. in length. The layer of dark gray purer clay now extends to cover almost the entire sq. It will prob. be present throughout the next batt. N



see below

0'-8 Level 3, Batt 5

Small handleless type of votive cup or bowl was among the material. Also there was a punched in type of loomweight. Material overall was a mix of coarse sand with some black glaze frags. One statuette frag was present.

1'-0 Level 4, Batt 1 254PL 255T 256P (ung) 257T (lms) 258T (ST)

Level of second stone and tile conc. now reached. As noted earlier it slopes down from its level to the north. Concentration of stones and tiles here is much less than in N¹⁻⁷. Soil is the gray clay w/ high clay content as already observed in N¹⁻⁷-8.

259 P (ung)

N^o - 8 Level 4, Batt 1

Soil was gray clay w/ high clay content throughout the square. There was a large coarseware frag. w/ impressed lines dec. among the mat. along w/ various coarseware & black glaze sherds. Also there ~~was~~ were several large gray glaze frags including another frag. of gray ware w/ a red decorated. This time the dec. was in the form of raised dots. Also present were a couple statuettes frags. and a sherd in the shape of Texas. Some patches of the second till and stone core were exposed especially in the Northeast ~~in~~ corner near the wall? found last Friday. That wall may in fact be no more than ~~is~~ a particularly dense area of stones and tiles. Further excavation is necessary.

Approx. the North 2.0 m. of the excav. area has soil which is the dark gray clay as noted earlier. The southern 2.5 m. has soil of a ~~light~~ lighter shade of gray. Northern patch of soil is Munsell 10YR 5/1 dark gray moist. There is some sand in its matrix, but the clay content is very high. Carbon lenses are also present. This is the same dark gray soil as described earlier in this area. The southern patch of soil is Munsell 10YR 5/1 gray moist. There is sand in its matrix, although definitely clay the quantity ratio of clay to sand is lower than in the darker soil. This soil corresponds to the soil encountered in the earlier batt. of this area.

- 7, - 8 Level 4, Batt. 1

This level throughout has consisted of the dark gray clay as discussed above.

- 7 Level 4, Batt. 1

Material includes in addition to many coarseware and black glaze sherds: several statuettes frags among wh. is a lg frag w/ a leg, the intact body of an unguentarium, and a ~~small~~ circular loomweight. There were no grayware frags.

N¹⁻⁷ Level 4, Batt. 4 268PL 269P 270P 271P 272P 273P (LAMP)

Batt. right in the second concentration of tiles and stones. Large number of tiles and stones present. Prof. Carter states that it has to be a tile fall due to the large number of tiles and stones. Very high quantity of material, including three fine red fig. sherds (a booted foot, palmettes, and the lower body of a young man) which are of much finer quality than the previous red fig. sherds found in this area. Also there was the intact body of an unguentarium, ~~and~~ numerous rottnette frags, and 2 circular loomweights. Rest of material consists of various coarseware and black glaze sherds. See above for discussion of soil. Dark clay seems to expand southward as work on the sq. proceeds to the east, however it is difficult to determine the exact line of demarcation betw. the two sorts. Changing light has been constantly challenging my previous observations. The soil nearest the north wall of N¹⁻⁷ seems darker than the other soil even darker than the soil in O^{1-7, 8} which have been called similar. The difference if it act. exists is in a blacker hue, possibly due to a higher carbon content? In my earlier dealings w/ the Munnell chart the ~~soil~~ dark soil there ^{appeared to be} ~~virtually~~ no diff. betw. them. The concentration of tiles and stones was especially heavy beginning c. 2.5 m. from the west end of the sq.

N¹⁻⁸ Level 4, Batt 1 261 PL 262H

Little material, assorted coarseware and black glaze sherds. No grayware present. A curved flat piece of bronze or copper was found. Leonard's identified it as a bracelet.

N¹⁻⁸ Level 4, batt. 1

As work progressed eastward in these sqs. the workers progressively deepened the batt. ~~prob.~~ prob. due to the way the clay found itself to being removed in big chunks. This should be taken into account. Stratigraphic levels will be taken bef. this batt is taken out.

HAPPY FOURTH OF JULY.

★ July 4, 1978 ★

0' ~~A~~ Level 4, Batt. 2. ~~297P~~ ~~298P~~ 297P 298T(Lw) 299P
Soil continues to be dark gray clay w/ high clay content as discussed yesterday. The material is predominately coarseware w/ some black glaze ware + one large frag. No fragments of statuettes or gray ware. In the southwestern corner of the sq. a large soft worked stone has appeared. Several large tile frags. are assoc. w/ it including a frag. on top of it wh. has a in. curve on one side to accommodate a drain or post. Width of stone is 0.42m, it length cannot yet be determined. The large tile w/ the notch is 0.435m x 0.21m.


1' ~~7~~ Level 4, Batt. 2 285P 286P 287T(Lw) 288P(R.F.)
Batt. completed from yesterday. The concentration of tiles and stones becomes especially heavy 5.0m from the west edge of the sq. This density of tiles and stones continues on into N' 8. Material consists of a mix of coarseware and glaze ware frags. including a pierced in type of loomweight and a large frag. of an amphora neck. Most notable find is a red figure frag. w/ a fine ~~woman's~~ ^{male} head in profile.

~~N' 7 Level 4, Batt. 2~~ By the time the east end of the square is reached the dark gray clay, as discussed yesterday seems to expand to the entire N-S. width of the square. It is difficult to tell for sure in this morning light.

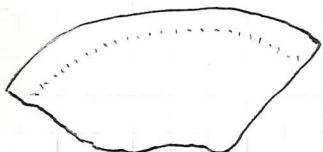
~~N' 8 Level 4, Batt. 2~~ Once again as noted before the clay along the north edge of the square appears to be blacker.

N' 8 Level 4, Batt. 2 289P 290P 291P 292P 293T
Dark gray clay is throughout the square, slightly darker clay noted in N' 7 cont. along north. Some of tiles and stones noted in N' 7 continues eastward through the sq. Material is a mix of coarseware and black glaze frags. with a greater number of coarseware sherds. There is one sherd which may be called grayware but it is of a different texture than the Roman type grayware. Notable among the coarseware are a large amphora neck frag., a pithos rim frag. and the frag. of a mortar. 294T(ST) 295P 296P

O'-7 level 4, Batt. 2

There is some sort of masonic mark or graffiti on the side of the large worked stone. This was first noticed by Vera Massaro after the field supervisor had jokingly referred to an inscription on the stone. Its config. as visible is . Also a large fragment of a mortar

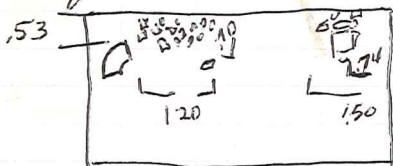
or bouterion has appeared at the far east of the square. There is a ribbed decoration running around its rim and there is also a sm. lug on the hem.



284P

0.65

In the vicinity of this large bouterion mortar there is a higher conc. of tiles and stones than in the rest of the sq.



N'-7 level 4, BATT. 3 315P(L) 318T (VST) 319P(SPT) 320T(LW) 321P

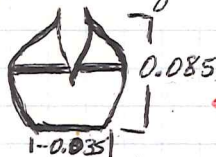
In the south west corner of this sq., several lg. red fig. frags have appeared, they all may belong to the same vessel poss. a hydria. All have a fine palmette dec. and one frags has the two front hooves of a horse on it. Soil is all the dark gray clay except for a small strip in the northwestern corner of the lighter colored clay w/ the higher sand content as discussed yesterday.

- 322P 323P 324T (SATTYR) 325T (STS) 326P (RF)
- 327T (NOT COIN) 328SS (WOOD) 329T (TILE w/ RED PAINT) ~~330SS (CARR)~~
- 339P (ung)

N¹⁻⁴ Level N, BATT. 3 CARBON SAMPLE - TO BE SENT TO AUSTIN
 SS A LARGE CARBON LIMB c. 0.11 X 0.07 X 0.05 m. WAS FOUND
 1.55 m. from the west edge of the square and 1.75 m. from the
 north bank of the square. Its actual level was -9.83 m.
 It was in a matrix of dark gray clay w/ some streaks of sand
 and rootlets present. It was associated w/ a dense concentration
 of tiles, sherds, and stones c. 4 B.C.

* SEE SKETCH BELOW

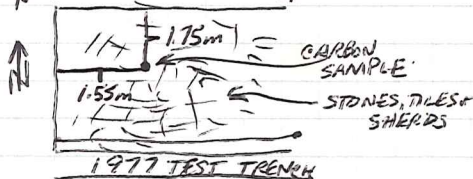
-7 Level 4, BATT. 3 304 Pk 305P 306P 307P 308P 309P
 Soil continues to be the dark gray clay as already discussed.
 An almost intact unguentarium and an almost complete
 small vessel w/ a horiz. red dec. band were found in the
 western 150 m. of the sq. Also a large liliaceae frag.



310 B
 311 P
 312 P
 313 P

-8 Level 4, BATT. 2 301 PL 302 P (RF) 303 P

Almost all of this area is now covered by the dumpster ramp,
 however a small strip ~~west~~ north of the ramp was
 taken down. A large spotted mortar frag and a red frag.
 frag w/ floral dec. were found here, ~~to~~ one black gl. handle +
 one sherd w/ a red band on it.



~~Level~~

STRATIGRAPHIC LEVELS

Levels were taken on July 3 of Lev. 4, B. 1 in N¹-7, Lev. 3, B. 4 in N¹-8, and Lev. 3, B. 5 in O¹-7. Unfortunately, the h.s. was lost; therefore these readings are worthless. New levels were taken today by a more awake supervisor. Sightings are now being made fr. P¹-1 due to the depth of the present trenches. The level of the new sighting point is -9.58 as sighted from L¹-1.

N¹-7 Level 4, Batt. 2

SE corner - 9.65 m.
 SW corner - 9.48
 Center - 9.65 m.
 Northeast corner - 9.69 m.
 NW corner - 9.59 m.

N¹-8 Level 4, Batt. 1

SE corner - 9.51 m.
 NE corner on wall - 9.46 m. (Lev. 3, Batt. 1)

O¹-7 Level 4, Batt. 1

SW corner - 9.63 m.
 NW corner - 9.70 m.
 Center - 9.69 m.
 SE corner - 9.76 m.
 NE corner - 9.85 m.

O¹-8 Level 4, Batt. 1

Center - 9.77 m. (Next to end of ^{ramp} Dumped)

O¹-7 Level 4, Batt. 2

NW corner - 9.83 m.
 SW corner - 9.86 m.
 Center - 9.84 m.
 NE corner - 9.93 m.
 SE corner - 9.88 m.

N¹-7 Level 4, Batt. 3.

CARBON SAMPLE - 9.83 m.

N-7 Level 4, Batt. 3.

Soil ~~is~~ now dark gray clay throughout. The concentration of tiles is very high along with ~~the~~ many sherds and some bones. Numerous stoneware frags have appeared including many frags of a standing pot-bellied oolite. Also there is a frag w/ an amphora on it. A large decorated frag of a red fig. vessel has now been discovered. Also some frags of unburnt wood have been found and saved.

- The problem of the darker soil continues, but it may be closer to definition. The darker clay as noticed before appears once again as scattered patches w/in the dark gray clay matrix. This seems to be ident. w/ the darker soil noticed along the mouth of the sq. in earlier batt.

I have finally got a hold of a good sample. It has a ~~thunell~~ reading of 104R 3/1 very dark gray moist. It has very little ~~of any~~ sand ~~in~~ in its matrix and is a very fine & sticky clay. The dark gray found throughout the area is also sticky but not as fine.

~~But~~ Carbon lenses are present in both clays. ~~It is~~ This darker clay may be due to high concentration of ash or fine carbon which is no longer visible as black specks, possible evid. of burning. It however could be due to some other factor with ~~which~~ which I am unfamiliar.

A small circular piece of terracotta 0.02m. in diam. has appeared. Prof. Carter has suggested that it may be a votive coin. Also a piece of roof tile w/ remnants of red paint. There is a very high quantity of coarseware and black glaze sherds which goes along w/ the very high conc. of tiles.

16

O'-of Level 4, Batt. 3

Clay ^{fall} gray throughout. ~~#~~ Two large stones at bottom of batt. apparently go w/ the large worked block. They may form a wall. One block is below the ~~upper~~ stone. The other is NW of it. The dimensions of the lg. worked block are last batt. are 0.43 x 0.43 x 0.29. The mark in the block is def. not part of an ~~unit~~. It is either an unusual masons mark or poss. a mason's doodling in the soft stone. There is not a ~~very~~ heavy conc. of tiles in this sq. as in N'-7, -8 with the exception of the small area in the southeast corner of the square, mentioned in the last batt. Material is a mix of coarse and glaze ware sherds. The quantity of material is much less than in N'-7. The batt. is not yet complete.

July 5, 1978

N'-of Level 4, Batt. 3 341P 342P 343P 344P 345P (heavy fine) 346P

7P
8P
= male
lat. Batt. cont. fr. yesterday. Prof. Carter has noticed the conc. of tiles is highest ~~low~~ at the bottom of this batt., therefore the workers are peeling off the clay just above the tile conc. The depth of the batt. remains unchanged. The soil remains the dark gray clay w/ the very high content. The very dark clay discussed yest. is also present. This very dark clay seems to come at the bottom of the batt. assoc. w/ the thickest conc. of tiles. It will be interesting to note in the next batt. whether this assoc. holds true. ~~As for~~ The as hypoth. yest. the very dark layer may in fact be an ind. of fire, etc. at least something assoc. w/ the tile fall. Material was an assortment of coarse + glaze ware sherds.

O'-of Level 4, Batt. 3 316P 317P

Soil continues to be gray clay. Quantity of material decreased as work moved eastward. Only heavy conc. of tiles remains in SE area as already noted. Several other blocks have appeared at the bottom of the batt.

w/ a hole in ~~structure~~
including a block ~~to~~ just to the east of the unscrubbed block,
0.39 x 0.35 m.; hole - diam. 0.085, depth 0.07 m.

N¹⁻⁷, Level 4, Batt. 3 *

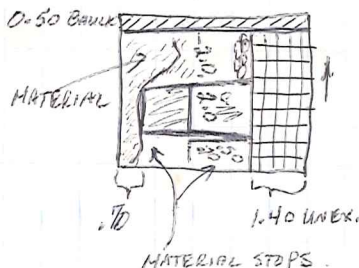
More now can be said about the darker colored clay
in this area. As noted before this dark layer seemed
assoc. w/ the till fall. This has become strikingly clear
in the east end of N¹⁻⁷ and into N¹⁻⁸. There is clearly
a layer of the dark gray pure clay and beneath it &
overlying the till fall is a very dark layer. In this area
the bottom of the layer dark soil has a thin layer of
plant material. The exact meaning of this is not
clear to me. Is the plant material to be assoc. w/
the fall or w/ some natural occurrence after the till
fall? I ~~now~~ feel that it is directly tied with the
fall in some way. It is pos. that the clayey soil
created an anaerobic environment wh. prevented
the decay of the plant material. I have not been able
to ~~get~~ arrive at one satisfactory Munsell reading for
this soil. It ranges from 10YR 3/1 very dark gray as
noted just. to 7.5YR 3/2 dark brown (especially for
the layer of plant material) to 5YR 2.5/2 dark reddish
brown, all moist. A person more experienced w/ the
Munsell chart may have done better, but these readings
convey the basic nature of this dark layer. Whereas the
customary pure clay is a deep gray as previously noted,
his soil although ~~it~~ with a gray base has definite
brownish and ~~no~~ black tints. I have told the workers
to leave this dark layer as best as possible. Samples
have already been taken wh. included both layers
still together. Further samples will be taken. A branch
about 0.10 m. long has also been found in this area.
It is unfortunate that this layer wasn't observed more closely
in the earlier excav. of the oz. In N¹⁻⁸ This dark layer extends
south for c. 4.0 and eastward c. 1.50. The configuration of
it in N¹⁻⁷ is not now clear but it prob. was assoc. w/ the
till fall throughout the oz.

N¹-8 Level 4, Batt. 3 332 PL 333T (ST) 334 (Lung) 335B

See above for discussion of soil also note that in section of sq. south of dumper ramp there is virtually no material and no tiles. The soil is blacher in color, and seems to signal the end of the area of cultural activity in this area. The soil is clayey but of a higher conc. of sand, much higher than has been present in the past few batts. A few streaks of red sand are also present in the material.

36 SS (L2000)
BR
5/ GR. CLAY +
7/ (V. DIC. SOIL w/
PL. M.+T)

855 "
1055 "



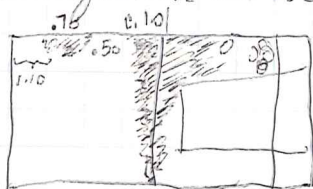
0'-8 Level 4, Batt. 3.

This level has not been exc. since almost its entire area is taken up by the dumper ramp.

~~1'-7 Level 4, Batt. 4~~

← N¹-7, -8 Level 4, Batt. 3.

Troweling around the tile fall for photography indicates that the dark layer does not run throughout the sq., therefore it is not a feature to be assoc. w/ all the fall.



■ - Dark layer.

The exact extent of the layer though more cannot be determined.

N¹-7 Level 4, Batt. 3

A find frag. frag w/ the lower mude torso of a youth has been found during the course of troweling around the tile fall for photog.

3

STRATIGRAPHIC LEVELS

N¹⁻⁴ Level 4, BATT. 3

NW corner — — 9.77m.
 SW corner — — 9.67m.
 Center — — 9.82m.
 NE corner — — 9.85m.
 SE corner — — 9.85m.

N¹⁻⁸ Level 4, BATT. 3 -

South side of ramp, } — — 9.83m.
 NE corner }
 N. of ramp beside } — — 9.77m.
 large stone }

(SAMP OF PLANTM) (MUDBRK) (BK SOIL + PLANTM) (WOODEN BRANCHES)

N¹⁻⁴ Level 5 BATT. 1 357PL 352SS 353SS 354SS 355SS 369B

Level 5 is defined as the area of the very dense tile fall and below. After discussion w/ Prof. Carter it has been determined that this tile fall should be distinguished from the second concentration of tiles with correspondence to level 1. In SW corner there is a black stain wh. no doubt corresponds to the lg charcoal stain encountered last yr. An almost intact vessel, 0.12m h., was found 0.68m. fr. the W end of og. + 0.10m. from the south end. A woodburch, 0.16 X 0.11m. was found just to the north of the intact vessel. The soil is predominately the gray pure clay as previously discussed also a streak of the very dark soil ment bef. has appeared c. 2.5m. fr. the west end of the og. 383P 384B 385B (shells) 386T (st) 389T (st)

N¹⁻⁴ Level 5, BATT. 1 331PL

A high conc. of tiles has not appeared here as in N¹⁻⁷. Level 5 is defined as the area starting at the level of the blocks wh. appeared at the bott. of the last batt. In assoc. w/ the upper block. Soil continues to be gray clay as bef. in this area. Little material has appeared so far

9

N¹-8 Level 4, Batt. 3.

Although there was little material to the south of the ramp, there was mat. from the area immedi- west and north of the ramp. ~~The~~ It was composed primarily of coarseware w/ some glaze ware. There were 3 statuettes frags, several belemnite frags. and about half an unguentarium.

O¹-7 Level 4, Batt. 3.

Material was a mix of coarse + glaze ware of the majority being coarseware.

N¹-7 Level 5, Batt. 1

More plant material has been found in the patches of very dark soil in this level (see above). Gureppel and Prof. Carter bel. that it may be the remnants of straw basket. Prof. Carter also believes that this very heavy concentration of ~~material~~ tiles, sherds, and so forth in a compact area is the remnants of a ^{channel} ~~channel~~. Pass. assoc. w/ the spring cult of the site.

Numerous carbon stains along w/ some limbs and leaves are present in this level. In the NW corner of area some ~~so~~ fine sticky clay, ~~of~~ Munsell 10YR 4/2 Dark grayish brown moist, has appeared in w/ the other gray clay.

O¹-7 Level 5, Batt. 2

Soil cont. to be gray fine clay as desc. bef. Relatively little mat., coarseware w/ some glaze ware. No new features visible. Batt. not yet complete.

N¹-7 Level 5, Batt. 1

Batt. not yet complete. Very high quantity of mat. Numerous statuettes frags. and a few red fig. frags. Prof. Carter ^{will} has hypoth. w/ future work needed for confirm. that the gray clay along the western C. 1.0 of the sq. which is covered w/ fine ware sherds and patches of burnt mat. is a clay pavement. ~~on~~ the heavy conc. of material down the center of the soil is the remnants of a channel w/ the pavement flanked. It is theorized that the plant mat. in this area may have grown in the channel then been covered. A ~~long~~ chunk of ^{quartz} clay has been isolated by RT as ~~the~~

pos. remnant of the pavement. Prof. Carter makes this only a presum. hypoth before further work can be done in the area. One of last finds of day was a large frag. of votive plaque w/ remnant of satyr. + female companion.

July 6, 1978

0¹-7 Level 5, Batt. I 387PL 388P 390B

The soil in this area has changed from what we have been encountering. Rather than the gray pure clay, the soil is a gray clay with a very very high sand content. There is enough clay in the soil, so that it can be rolled betw the fingers, but the texture of the soil is extremely sandy. Its Micnell reading is 54 4/1 dark gray moist.

Then is the more usual gray clay along the C. west meter of the sq., then this very sandy clay begins. * ↓

N¹-d Level 5, Batt. I 410PL 411T 412P 413P 414P 415P 416P (RF) 417B (shell)

Soil remains the gray clay w/ high clay content, and there continue to be patches of the very dark soil and plant material. Alfredo of B.B. has ident. a clump of plant material as a cow chip. I don't know, but there's a man who should know his cow chips. The entire bottom surface of this batt. is covered w/ the very dark soil and matted plant material as previously discussed.

Once again the quantity of material was very high w/ a mix of coarse and glaze ware. A coarse ware sherd w/ strainer holes, several statuettes frags, a small intact votive cup or bowl, and a couple red figure sherds are notable among the material found.

N¹-8 Level 5, Batt. I 349PL 350P 351B

Same soil as noted bef in this area. Once again there ~~was~~ no mat to the south of the stump. Soil was the cust. gray clay w/ ^{the} layer of very dark soil + plant material cont. into the NE section of sq. Material was a mix of coarse + glaze ware.

404 SS (25x25) SS
N1-9 LV. 5 B1

Large clump of plant material and numerous branches kept as samples. Among the branches were some ³⁹¹⁵⁹ identified as ~~being~~ grape vines by Alfredo B.

Pl. poss. combined w/ Lev. 5, 0.1

N¹-7 Level 5, Batt. 2 HOST(ST) 466B (MANDIBULE) 407P (LEK) 408P (LUNG)

The black carbon stain noted last yr. + this yr is now clearly visible in the west bank. There is a marked soil change below the very thin, c. 0.001-0.003, layer of very dark soil and plant material. The soil is a clay w/ a fine sand in its matrix. The texture is clayey and its Munsell reading is 2.5Y 3/2 Very dark grayish brown moist. An intact unguentarium, 0.065 h., w/ banded decoration was one of the early finds. Also some statuette frags. have appeared. A few bone fragments including half the lower jaw bone of a carnivore have been found. (only ~~partially~~ ^{partially}) An almost complete black glaze vase has been found 2.60m fr. west + 1.80 from south. It was being left for photography, but was broken during the customary ~~scrapped~~ ^{scrapped} dumper removal problems. Thus the photog was ~~stopped~~. Vessel appears to be a squat lekythos. A terracotta female head crowned w/ a polos was among the statuette frags.

STRATIGRAPHIC LEVELS

N¹-7 Level 5, Batt. 2

NW corner - - 9.98 m.

Center - - 10.02 m.

NE corner - - 9.95 m.

SE corner - - 9.98 m.

(SW ~~not taken~~, but it was removed by worker bef. it could be taken)

N¹-8 level 5, Batt. 1

South of Ramp - - 10.00 m.

NE corner

N¹-7 Level 5, Batt. 2

This layer ~~was much~~ ^{was} material, however there is no layer a very high concentration of tiles as in the previous batt.

The ratio of soil to cultural materials is much higher in this level. There ~~are~~ are great amounts of soil w/ no finds.

A ^{soil} sample of the very dk layer + plant material above the very dark grayish clay c. 0.25 x 0.18 x 0.04 was taken.

N¹-7 Level 6, Batt. 1 420P 421P (66) 422P 423P 424P 425P

This is a shallow batt., c. 0.10 m. d., at the bottom of which is the continuation of the pavement discovered last year in N¹-6, 0¹-6. This level is ~~in accordance with~~ directly above and including the pavement has been designated Level 6 which is in accordance w/ last year's practice ~~in the~~ in N¹-6 0¹-6. Soil is the same very dark grayish brown clay as present in level 5, Batt. 2. There is a thin layer of ~~of~~ dark gray (Munsell 10YR 4/1 dark gray moist) above the pavement and below the very dark grayish brown clay. This is a fine sand with a texture reminiscent of beach sand. Prof. Carter believes that this indicates that water was flowing over the pavement.

-7 Level 5, Batt. 1

Material is a mix of coarse and fine ware. Notable finds are one black glaze cup or bowl w/ ~~two~~ ^{two} ~~horizontal~~ ^{horizontal} ridges for decoration and what is prob. another smelting spout. Also there is a bone fragment.

-7 Level 6, Batt. 1

A fragmentary owl cup has been found lying on the pavement c. 0.10 m from ~~the~~ south, 0.35 ft. west. Two other frags fr. this cup had been found in the vicinity earlier.

A small frag. black glaze vase was found c. 0.10 m. south of the owl cup. It also was lying on the pavement. A large branch ~~which~~, c. 0.16 x 0.05 m, which appears charred on one side ~~also~~ lay roughly between the two vases. Both vases were in the layer of gray sand which covers the pavement. Prof. Carter believes that this indicates that these vases were washed down w/ the water w/ ~~it~~ went w/ the sand or were lying in the water. There is much higher proportion of fine black glaze ware to coarserware in the area of the pavement than has been encountered before. Also, ~~many~~ ~~vases~~ in many cases several frags from the same vase survive together suggesting that they were not washed down to their present location. A small branch has been found which Alfred G. identifies as a grape vine.

O¹-~~7~~-8 level 5, Batt. #1 397PL 398B 399T 400T (ANTE) 401P
402P 409P
The soil of this level consists of the very dark grayish brown soil observed in N¹-7, but the change of soils was not as marked as in N¹-7. Some of the gray pure clay was also present. The work in this area preceded eastward into -8 while the supervisor was busy taking levels, therefore the material of the two sqs. has been consolidated. The workmen began the removal of the dumper ramp.

A pavement appeared along the far east edge of the O¹-7 and the west c. 2.0 m. of O¹-8. The full extent of this pavement is not yet clear, since more of the ramp needs to be removed. Some large stones in O¹-8 are assoc. w/ the pavement but their exact relation to it is unclear. There is gray sand also assoc. w/ this pavement. Its full extent is not known, because I must admit that I lost track of this area. There are several patches of black stain in the area of the pavement. It may be indicative of fuel, or Prof. Carter believes that ~~the~~ it is similar to the dark O¹-6 channel stains found in N¹-5 in 1977. There was a relatively small amount of material, a mix of coarse & fine glass. The troweling of pavement extended back into O¹-7.

~~Material is in~~

There were some bone frags. incl. the end of a lg. leg. bone. Also there was a frag. of an antefix w/ part of a palmette on it. Work showed ~~to~~ depth of ramp; some mix of materials to be expected.

N¹-8 Level 5, Batt. #2 South of Dumper ramp - 358 PL
This area as before contained little material, a few coarseware and ~~the~~ glass ware sherds.

359 B

360 T (ST)

361 T

362 P

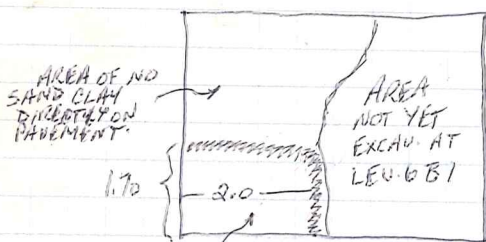
363 P

364 P

365 P

366 P

N¹-7 Level 6, Batt 1



* Also many bone frags have appeared in this level.

The gray ~~clay~~ already discussed now seems limited to the southwest corner of the square. Above it ~~there~~ the clay lies directly on the pavement. In the area of the sand the sand overlies scattered broken tiles which lie on the pavement. Pottery ~~is~~ lies below these tiles. A red figure frag w/ palmette design was found in the pavement in clay approx 3.25 ft. west and 1.0 from south.

N¹-8 Level 5, Batt. 2 North and West of Dumper camp. Soil change as in N¹-7. Large amount of material, mix of coarse + glaze ware sherds ~~and~~ ^{some} large stones appeared just to the west of the ~~stone~~ stone pavement which has been left for earlier batt. The exact nature of these large stones is not yet known.

July 7, 1978

Level 6, Batt. 1 448 PL 449 P 450 P 431 T (SPIND WITH) 452 B

Work continues on clearing the pavement, and it is slow due to the extensive use of the shovel. Water also will probably be an increasing problem in spite of the pump, as water is collecting in the NE corner of this square and the adjacent area of W. ~~8~~ 447 SS WOODEN BRANCHES

SOIL SAMPLE 441 SS

A soil sample, 0.20 x 0.20 x 0.06-0.03 m. located 1.50 m west of the east end of sq + 1.50 m south of north end has been taken. Its vertical location is _____. It consists of the very dark grayish ~~slay~~ brown clay which lies above the pavement.

A Note on sampling

More samples should have been taken during the course of this excavation, yet they haven't been taken. Only the laxity of the supervisor is to blame. This situation will be remedied by taking a series of samples out of the bank in the near future. The samples should prove to be especially helpful in this important area of the site. Also numerous branches have been collected and wrapped in aluminum foil. It has been recently pointed out by T. Hale and G. Pate that it would be best to surround these specimens w/ some of the soil from which they came. This will be carried out in the future. Hopefully the past specimens will survive in spite of their collection.

~~Level 5, Batt.~~ Clearing of dumper ramp down to Level 5, Batt. 1. 439 PL

There was very little material in this area. The area 0.25-0.30 m above Level 5, Batt. 1 consisted of the gray pure clay and contained virtually no finds. Some carbon limbs and lenses were present ~~in~~ in the clay. Notable finds were a red fig. sherd of the profile of a woman and an unusual black glaze sherd which appears to have a raised design on it, poss. of a tooth or cornucopia.

Clearing of Dumper ramp 434 PL 435 P (CROSS HATCH ARYBLER) 436 P 437 P 438 B

0'-8 Level 5, Batt. 1 Area below dumper ramp.

This area was taken up ~~to~~ to the eastern limit of the excav., i.e. 1.40 ~~from~~ west of the -9 axis. The N-S. length of this area is 1.55m. going from the cor. of stones left fr. an earlier batt. to the east limit of excav. The soil consisted of some of the gray pure clay with ^{some} carbon lenses in its matrix which was found primarily in the west third of the area. In the south 73 there was a large area of black stain, Munsell 2.5YR N 2.5/0 Black, moist. The soil of the black stain was a fine textured clay. No material was found in this area.

A Note on the levels in 0'-7, 0'-8.

In dealing w/this area it should be noted that there is not an exact correspondance between its levels and the levels in N'-7, -8. The notes should always be checked to avoid confusion. ~~The excav Level 5, Batt. 1~~ excavated yesterday included some material which technically belonged to Level 6, i.e. the level just above & including the pavement. ~~The troweling and pick work around the structure, line betw. 7 & 8 stone cor., betw -7 & 8 was carried down~~ revealed that this is apparently a continuation of the pavement disc. last yr. which in this area slopes upward to the east. The levels will be left unchanged ~~so far as~~. The next shallow batt. in 0'-7 will be designated level 6 since it will be just above and include the pavement. The pavement has already been uncovered along the east edge of -7, and it has been ~~now~~ revealed in the west 1.50m. of -8. The pavement then stops.

0'-7 Level 6, Batt. 1 445 PL 44255 (Bn.) 444 B (claw)

A relatively shallow batt. of c. 0.05-0.10m. has revealed more of the pavement. The soil in this area is complex. The gray sandy soil noted in previous batt. in this area persists along the southern 1.50-2.00m. of the area. Some patches of gray pure clay are also present as well as some very dark grayish brown clay ~~so far~~ along the north end of the area. There are scattered carbon lenses in the soil, and

several branches (some of the charred) of wood were recovered. These branches were enclosed in clay from the area and covered w/ alum foil. The pavement as expected appeared at the bottom of the level and is now being traveled. In the southwest corner near the large blocks several lg. tile frags have been found. Most notable is a curved roof tile which survives almost for its entire length, only a bit of one edge is stopped broken off, 0.44 x 0.16. The finds were very few in number, scattered coarse and glaze ware frags. Also there were the branches already noted and an animal claw.

-7 level 6, Batt 1

Work continued in this area, but moves slowly due to difficulty of traveling the clay and time spent in removing the Dumpster ramp. The density of material is much lower than yesterday. As work proceeds eastward the density of cultural material drops. This of course corresponds to movement away fr. the large wall in N¹-5, -6 desc. in 1977. The material consists of a mix of coarse and glaze ware w/ one flying saucer (I forgot the correct name) loomweight. Several wooden branches were also present.

-8 level 6, Batt. 1

453P 454B 455B (skull) 456SS (Branches)
457P 458SS (worked wood)

Among early finds was a small worked piece of wood, 0.06 x 0.02 x 0.015. It has been encased in clay and wrapped in aluminum foil. Also a fragmentary animal skull.

-7 level 6, Batt 1

A large sprial frag. from a large votive plaque has been found 0.83 ft. west end and 1.33 from north just north of the lg. blocks.



443T

For Str. elev. of these areas see last notebook

N¹-8 level 6, Batt 1

The western c. 1.70m of this sq. has soil ident. to N¹-7 namely very dark grayish brown fine clay. The next 1.90-1.60m of the sq. in the SE corner of open excav. has a fine olive gray clay, Munsell 5Y 5 1/2 moist. There was some dark blue gray clay, Munsell 5Y 3 1/2 moist, in the far SE corner. This olive gray soil contained no magnetic materials. Although it is too early to tell for sure, the line betw. the very dark grayish clay and the olive gray clay may run parallel to the large wall in N¹-5, -6.

The removal of the dumper ramp has revealed more of the cone of stones in the NE corner of the area. Its exact nature, wall?, pavement?, fall? is still not clear. A large conglom. block 0.063 x 0.06 has been partially uncovered in this area. There is a small amount of water running from under part of it ^{to the} indicating the presence of another spring. As work continues in this area it becomes more apparent that the olive gray clay's boundary slants towards the NE. ~~Whether the limit of the olive gray clay runs parallel to the large wall cannot be stated yet accurately.~~ The extent of pavement into this sq. remains uncertain until further ~~excavation~~ ^{digging} can be done.

-7 level 6, Batt 1

Pavement exposed wh. covers most of the sq. Overall it is ~~not~~ composed of smaller stones than the pavement in N¹-7 ~~also of wood~~

-8 Level 6, Batt 1

Prof. Carter has observed that the top of a conglom. block in L¹-8 as yet unexcav. appears to line up w/ the conglom. block in the NE corner of N¹-8. At the end of the day I happened across the negative of a conglom. block. No south of the block in this area. The dimensions of the negative as exposed are 170 x 550 or more to be uncovered.

7

July 8, 1978 SAT.

L1-4 Level 3, Batt. 4 Sounding w/in room. 459 PL
Robin of N.Z., Jane, J. Carter, Giuseppe D.T., and myself 460 P (Giv?)
carried out various operations on this Saturday morning. 461 B (Teeth)

Excavation was in the room of the farmhouse where Celeste is located. (the exact wall termin will be checked). After a study of the 1977 field notes, it has been determined that we are in level 3, Batt. 1. Level 3 is equal to the tile fall and below. The tiles of the fall were largely removed by hand and then a shallow batt. was ~~was~~ brought down by pick and shovel, depth c. 0.05m. The designation of level 3 will be maintained until a new feature is reached. The soil from this area is the first soil to be used in the new water flotation system. *Celeste will be uncovered in conjunction w/ this excavation. The material of the first batt. consisted of mostly large coarseware body sherds, a circular loomweight, a few black glaze sherds incl. one w/ a painted design wh. may be Amathia ware, a jaw frag w/ teeth and a small ~~hand~~ ^{leg} ~~box~~ ^{bone} of pass. a bird. This area was washed by Prof. Carter and Giuseppe D.T.

-2, -3 Level 3, Batt. 3. 446 PL
The exact determ. of this level is not easily arrived at through the 1977 field notes. Five batt. of level 3 were taken down in this area according to the notes, yet an area of no more than 0.17-0.25m. appears to have been removed. The notes are not detailed enough to clarify where all those batt. went. The area we are in now is definitely in what is defined as level 3 (Area of tile fall/walls and below), and I will arbitrarily set the batt. at 3 allowing for the removal of two. Caution therefore should be used in dealing w/ the 1977 and 1978 work in this area. I have not attempted to correspond exactly w/ the batt. count of last year. This work is a sounding made w/in the walls of this area (Wall diag. to be found later). Most of the work in this area was done by Robin Austin and Jane Henner w/ occasional help from Prof. Carter, Giuseppe D.T., and J. Engfest.

N¹-4 Level 3, Batt. 2 Sounding w/in Rm. 463 PL

Soil continues to contain many tile fragments and small stones. Material is a mix of coarse and glaze ware w/ the majority of sherds being coarseware. There was more material in this batt. than in the first batt. 464P 465P 466P 467SS (FLOT SAMPLE)

* A wheelbarrow load of soil from the area south of Celeste's location will be put through flotation for each batt.

1-4 Level 3, Batt. 3 Sounding w/in Rm. 468 PL 469P (BLG SKYP) 470P (leaf des) 471SS (FLOT-S.)
Some tiles and stones still present in the soil. Material of coarse and glaze ware w/ one circular loomweight. These three Batt. have been very shallow and have gone down only 0.27 - 0.16 m. depending upon the slope of the hill.

1-2-3 Level 3, Batt. 3 Sounding w/in Rm.
This has been a very shallow batt. only c. 0.02 - 0.05 m. in depth. Finds were few in number: some coarseware sherds w/ some small black glaze frag. A very large tile or poss. storage jar frag. was also included in the lot.

11

Mims and Affredo of S. B sent to Lucovita July 10, 1978

Work has begun in L¹⁻⁵, -6, -7, -8. An initial cut was made by the bulldozer earlier in June. The dozer cut removed the layer of dark ~~to~~ blackish brown soil which makes up level 1. A small strip, c. 0.5m., along the south side of the area may be a remnant of Level 1 not removed by the bulldozer. The determination of levels is greatly complicated by the soaking given this area on Saturday to facilitate this week's work. Some sections received more water than others, so that the soil color is quite variable. Prof. Carter believes that the soil to the south is different from the yellowish-brown breccia to the north. Giuseppe DiTomaso believes that all but possibly a little soil is the same, the only difference being the degree of moisture present. Prof. Carter has divided the area into north and south halves until we fully understand the level. After ~~observing~~ the work for two and a half hours it is clear that ~~some~~ The slope of the hill in conjunction with a horizontal cut of course adds to the problem. After observing the work for two and a half hours it is clear that a small strip of Level 1 soil remains along the south side of the area varying in width from c. 0.50 - 0.75m. The soil is a ~~deep~~ dark blackish w/ stones present the matrix. The remainder of the area is a yellowish brown soil w/ a high content of the local breccia. The level here will be designated Level 2, Batt 1 based on the 1977 excavation M⁻⁵ and the test trench in the west end of L¹⁻⁵. ~~so~~ apparently complete ^{crushed} shippes of many of their pieces held together by dirt clods have been found. One in the north of L¹⁻⁵ and the other in the north of L¹⁻⁶.
L¹⁻⁵, -6 Level 2, Batt. 1 North Half (Also see above) 472 PL
Soil is yellowish brown w/ high Breccia content. Much more material present in this area than in the southern area of the sgs. Test trench in west end of L¹⁻⁵ taken down to virgin soil in 1977. Numerous black glaze shippes including the previously mentioned fragmentary shippes. Also numerous coarseware fragments found. Material 478 P (SKYP) 479 P (SKYP)

appears to be primarily Greek, however ~~some~~ a few
fragments of Aretine type ware poss. imitation terra sigillata
are present. 473P.A

L¹-5, -6 Level 2, Batt. 1 South Half. 474PL 475B

Area includes a small amount of soil from Level I, see
above discussion. Much less material here than in
the north. Several frags of Aretine-type were identified
by Prof. Carter as prob. imitation terra sigillata. A circular
loomweight and a black-glaze sherd also among the
finds in addition to ~~the~~ an animal tooth and
some bone frags.

L¹-8 Level 2, Batt. 1 North Half 477PL

Soil throughout was yellowish brown w/ high content of
breccia. The areas not soaked on Sat were very hard.
~~In both the~~ Work was stopped 2.25m. from the east
end of -8 due to hardness of soil and necessities of
dumper ramp. Very little material, a few assorted
coarse and glaze ware sherds. More black glaze sherds
than in the south half, but still few in no.

L¹-8 Level 2, Batt. 1 South Half. 476PL

Soil was yellowish brown w/ high content of breccia
except for a continued strip of dark top soil along
south edge as discussed above for L¹-5, -6. There was
little material, an assortment of coarseware frags w/
two or three glaze ware sherds. Work here ^{also} was stopped
2.25m fr. east end of L¹-8.

RADIOGRAPHIC LEVELS. - SIGHTINGS HAD TO be taken fr. M¹-4
whose level is -7.70 as sighted from K¹ 7-7

L¹-5 Level 2 Batt 1 -

SW corner alongside 1977 Test TF — — 7.35m

L¹-6 Level 2 Batt 1 -

SW corner	—	- 7.27m.
NW corner	—	- 7.11m.
Center	—	- 7.21m.
SE corner	—	- 7.25m.
NE corner	—	- 7.13m.

L¹-⁴ Level 2, Batt. 1
Center — -7.21m.
S^{SE} corner — -7.09m.
NE corner — -7.18m

L¹-⁵-⁶ Level 2, Batt. 2 **480PL**

Along the southern 0.50 - 0.60 m of this area there is a brown sandy soil w/ numerous stones in its matrix, Munsell 7.5YR 4/2 Dark Brown - Brown moist. The remainder of the soil is a yellowish brown fine sandy soil with many small stones present, Munsell 10YR 5/4 Yellowish Brown moist. This soil is a continuation of the sandy soil encountered in the first batt., while the brown soil is apparently the last traces of level 1 soil present in this area, but it is not as dark in color as the corresponding soil in batt. 1. **481P**

~~A~~ ~~A~~ A complete ^{section} keep w/ painted decoration and held together by a breccia clod was found in the NW area of L¹-⁶. This is the same area in which the two almost intact skyphoi were found in the previous batt. Prof. Carter in observing the stratigraphy of the site ~~between~~ has noted that the layer of gravel in which we are now, overlies the sanctuary. He also believes that the farmhouses' foundations were dug into this layer. The above complete vessels in the breccia level would therefore offer a ~~date~~ ^{terminus} past ~~quasi~~ ^{ante} ~~quasi~~ ^{quasi} for the farmhouse and ^{terminus} ~~quasi~~ ^{quasi} for the same. ~~Other~~ Other material is a mix of coarseware and gray ware. Some fragments of Arretine type ware and gray ware present. Also a circular bronze weight. **486PL (Cw. shreds fr. int. of 481P)**

Note on intact vessels —

The two skyphoi were found in the first batt. which corresponds to the higher coarse gravel layer in the vault while the ~~the~~ other was found in the breccia below that thick layer of gravel.

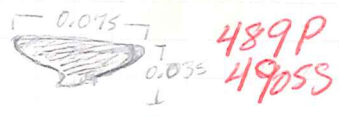
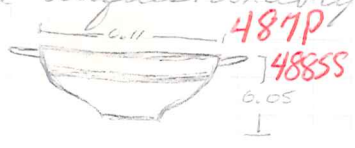
**RT FR. VESSELS KEPT - 483SS fr. 479P 485SS fr. 481P
484SS fr. 478P**

July 11, 1978

W-5-6

Level 2, Batt. 2 North + South Hall
N.H. = 495 PL 496 P 497 B S.H. = 498 PL

Soil is the same as discussed yet. ? predominately yellowish-brown soil w/ high breccia content and small strip of darker soil along the south. Very little material was found in the south area, a few black glaze sherds and what may be some imitation Arretine-type sherds. Raphael found another complete cup along the north edge of the square identical to the one found yet. It was only 0.10 east of the find spot of the previous cup. A little further to the east Raphael found another cup intact except for a chipped base. This was different fr. the previous cups in that it was black glaze and smaller. It is interesting to note that five complete or nearly complete cups have been found w/in a 1.50 of one another along the north edge of W-6, and separated in depth by 0.10-0.15m. There is much more pottery from the north section with a higher proportion of black glaze to coarseware. No sherds from this area which are unquestionably Roman.



W-7-8 Level 2, Batt. 2 501 PL 502 P 503 B

Some darker soil along south as before, but almost all of area is yellowish brown soil with high breccia content. Along the north end of the area virgin soil appeared. Work once again stopped 2.25m from east end of -8. Material was relatively ~~small~~ low in quantity, and was predom coarseware w/ some black glaze frags. One sherd of Arretine-type were poss. imitation *Terra sigillata*. Work in this area will now be discont.

STRATIGRAPHIC LEVELS SIGHTED FROM M1-4 - 7.70m.

L1-5 Level 2, Batt 2

SW corner along 1977 Test Tr. - ~~7.465m~~ 7.505m.

L1-6 Level 2, Batt 2

SW corner - ~~7.355m~~ 7.465m.

NW corner - 7.355m

Center - 7.375m.

NE corner - 7.285m.

SE corner - 7.375m.

L1-7 Level 2 Batt. 2

Center - 7.295m.

NE Corner - 7.165m.

SE Corner - 7.345m.

✓ HIGHER THAN
SIMILAR READINGS
IN BATT. 1 OTHER
RODS OK.
COULD BE DUE TO
DOZER ACT.

-5 level 2, Batt. 3 **491 PL 492B**

Soil still y-b. because of step along south
little mat. some black clay wear + various
mondescript cov. sherds. A tone

-6 Level 2 Batt. 3 **499 PL 500B**

Ditto on soil. Black glaze on sherds Low guan,
a few frags of Archaic-type ware.

July 12, 1978

1-5, -6 Level 2, Batt. 4 Southern Strip

Excavation in this area is now confined to a 2.0m wide strip along the southern end of these two squares. The remainder of the area is virgin soil. Soil is sandy in texture w/ scattered small stones in the matrix, ~~the~~ Munsell 10YR 5/4 yellowish-brown, moist.

1-5, -6 Clearing around blocks and walls. * 506 PL ~~507 (506)~~ 508M (Br. Ring)

Several large washed blocks were uncovered in this area during the 1977 season. The erosion of the past year has ~~uncovered~~ uncovered them even more. They were located in level 2 with level 3 appearing at the bottom of the area. Recent examination of the area by Prof. Carter has revealed the presence of two more walls here which previously were unidentified.

A cleaning operation is now being carried out to allow Mike to plot these features on the site plan. Then further excavation will be carried out here. A bronze ring w/ a diam. of 0.025m. was in the area of the pillar on the ^{south}west edge of M¹⁻⁶. A fragment of terra sigillata w/ a fine raised design which appears to be from an erotic scene w/ a lower

0.052m - |



509P

muscular

also and below it the upper torso of another fig. cradling the thigh of the upper figure. ~~imagine below upper fig.~~

Includes some of the area excav. in the western half of M¹⁻⁶. Several small statuette fragments have also appeared both in M¹⁻⁵ and -6. 507T

1-5, -6 Level 2, Batt. 4 Southern Strip 493PL 494B

Little material was present in this level. Most sherds were various nondescript coarseware ~~sherd~~ frags. Some black glaze and grayware frags were also found. There were a few sherds which may have been very poor imitations of Arretine-type ware or they may simply be another red ware. Also a couple of bone frags

STRATIGRAPHIC LEVELS - SIGHTED FR. M¹-4 @ -7.70m.

Three points will be used for level taking in L¹-5,-6 Southern strip:
A = midpoint of strip @ west end by 1977 test trench; B = midpoint of strip on -6 axis; C = midpoint of strip on -7 axis (east end of strip).

L¹-5,-6 Level 2, Batt. 4 Southern Strip
A = -7.70m.

B = -7.70m.

C = -7.66m.

L¹-5,-6 Level 2, Batt. 5 Southern strip 504PL

Soil continues to be same yellowish-brown sandy earth.

There is a noticeable increase in ~~red~~ rust colored streaks of the common red sand in ~~them~~ of the pits in the matrix.

L¹-5,-6 Cleaning around blocks and large N-S. Wall. 511PL-512T (ST)

This operation is concerned w/ cleaning out erosion fill from the level of the continuation of the large conglomerate wall running north-south. It should be distinguished from the ^{prev.} operation in M¹-5,-6 which was concerned w/ blocks at a higher level.

L¹-5,-6 Cleaning around blocks and walls. 513PL-514T (ST)

In addition to the noted special finds a few other coarseware and black glaze sherds were found. ~~They~~

L¹-5,-6 Cleaning around blocks and large N-S wall.

In the course of cleaning a new outlet for the spring discovered in 1977 was ~~now~~ opened. The area was quickly flooded by a very rapid rush of water. The pipe leading from the old spring outlet was removed so that the water could run through the rest of the pipe line leading to the canal. Some water is already seeping through to ~~the~~ N¹-5,-6. The bank along the N axis may be in very serious danger of undermining unless a solution can be found to this new water problem.

STRATIGRAPHIC LEVELS - SIGHTED FR. M¹-4 @ -7.70m.

L¹-5,-6 Level 2, Batt. 5 Southern Strip.

A = -7.86m.

B = -7.82m.

C = -7.80m.

L¹-6 ~~Level 3~~ Level 3 BATT 1 - Find Spot of Roman coin, July 12, 1978.

- 8.60m.

M¹-6, -7 level 3, Batt. 1 513PL 514B 515P 516T (St.F)

A new area has been opened. The area was brought down ~~by~~ by the bulldozers to a level equal with the first tile concentration, therefore area is designated as level 3, Batt. 1. ~~All~~ All but the eastern 2.0 m. of M¹-6 were excavated in 1977.

- A bronze Roman as has been found in M¹-6 about 1.50 m. from the east edge of the square and near its mid east-west axis. The diameter of the coin is 0.0265. The coin is fairly heavily corroded especially on the reverse. A portrait in profile of what appears to be a young man is on the obverse. The obverse inscr. reads: CAESAR AVGV GERMANICVS PONTIF POT. The reverse is too badly corroded at this time for any features to be discernible. ~~Although~~ The coin definitely appears to belong to a Julio-Claudian. Although it could be several different emperors my first ~~of~~ hunch would be Caligula, my second a young Nero.

1-6 Cleaning around blocks and large N-S wall.

Material is predominantly not described coarseware w/ some black glaze sherds. Several statuettes frags. were also found.

5, -6 level 2, Batt. 5 Southern Strip.

Material consists primarily of coarseware sherds of some black glaze sherds. There are also some frags of what appears to be an imitation of Aretine-type ware. ~~Some~~ Two bones frags. A few tiles frags. present in the soil as in the previous batt.

5, -6 level 2, Batt. 6 Southern Strip 508PL

Soil remains the same yellowish-brown sandy soil.

Small stones and streaks of reddish sand are still noticeable. ~~The~~ Tile frags are scattered throughout the matrix, but most in a high density.

-5, -6 Cleaning around block and walls. 510M

A large iron nail, 0.055 m. long, with a large head, 0.025 m. in diam, was found on the extreme east end of M¹-5.

-6, -7 level 3, Batt. 1

Soil is a dark gray clay, Munsell 10YR 4/1 moist, w/ white concretions, streaks of red sand, and other sand + fine gravel in the matrix. Material consists of various coarseware sherds incl a piece w/ impressed line dec. and numerous bone frags. There were also two circular home-weight and numerous fragment of grayware.

1-5, -6 Level 2, Batt. C Southern Strip 505 Pl.
Few finds, mostly coarseware sherds w/ a few black glaze
frags.