

ARCHAEOLOGICAL EXCAVATIONS AT THE KING HILL SITE
(23BN1)
BUCHANAN COUNTY, MISSOURI

By
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The King Hill site is located in the southern portion of St. Joseph, Missouri on a high bluff overlooking the Missouri River bottomland. Construction of roads, houses, a school, and other projects involving earth movement were once believed to have destroyed the entire site. In the Spring of 1966, a small undisturbed portion of the site was discovered by Mr. R. B. Aker in a privately owned garden, which, along with a small house, was for sale. Fortunately, the garden was rented by the St. Joseph Public Museum in order to allow time for salvage of data and to protect it from vandals.

A cooperative agreement between the St. Joseph Public Museum, St. Joseph Archaeological Society and the University of Missouri's Summer Session in Archaeology permitted limited exploration of the site during the following summer. The University's portion of the venture was directed by Dale R. Henning, and was carried out over a ten day period in July of 1966. Members of the St. Joseph Archaeological Society participated in the excavation as a training program: the methods employed were followed in their ensuing investigation which continued into the Fall. In sum, 13 ten foot squares and two narrow exploratory trenches were excavated. All materials were passed through a one-quarter inch screen, and soil samples were taken.

The 1966 tests revealed a deep stratified trash deposit which filled an old erosion ditch to a depth of nearly ten feet. The trash deposit has yielded a large collection of pottery, stone and bone tools, small European derived objects of copper, brass, iron, and glass, and quantities of floral and fauna remains. Preliminary analysis of these remains indicate cultural and temporal similarity to the inhabitants of the Fanning Site (Wedel 1959).

If Wedel is correct in his tentative suggestion that the Oneota remains at Fanning represent a historic Kansa occupation, it is probable that the King Hill site can also be assigned to the Kansa.

Several observations and problems arose from the 1966 excavation which prompted consideration of additional work at King Hill.

First, preservation of botanical remains from the site was excellent. The use of more efficient recovery techniques would offer information concerning subsistence and climate that would not otherwise be available.

Secondly, although preliminary analysis indicated that the cultural remains are fairly consistent throughout the deposit, there was some indication of stratification in that trade materials of European derivation were recovered in the upper levels, but were not present near the base. This could prove to offer a unique opportunity to study continuous Oneota occupation of a stratified site.

Thirdly, from analysis of the faunal remains of the 1966 excavations it was possible to make some tentative suggestions which could be tested by additional data.

It appears that the inhabitants of King Hill had a strong orientation toward seasonal use of woodland and woodland border communities judging from the preponderance of deer, raccoon, beaver, and turkey remains. Bison and other plains fauna are poorly represented the majority of bison elements being tools or tool fragments.

Furthermore, woodland fauna are consistently numerous throughout the deposit. On the other hand bison elements appear to have been deposited only in the middle levels. This information may suggest either fewer bison were available at the beginning and end of site occupation, or that bison bones selected for use as tools were needed in greatest numbers during the occupation recorded in the middle zones.

In the Spring of 1972, the National Science Foundation approved a grant (#GS-33407) entitled "An Analysis of an Oneota Subsistence System". Emphasis was placed upon the subsistence system because the necessary data was well preserved and available through employment of improved collecting techniques, with this data, testable constructs of the physical-environmental system within which the resident population functioned can be developed, and the hypotheses which arose from the 1966 excavations could be tested with no modification of the recovery system.

The project was designed with three major objectives in mind. (1) We wished to increase the qualitative nature of the overall artifact inventory. While quantities of pottery, bone and stone tools were recovered in 1966, small materials normally lost through one-quarter inch screen such as tool fragments, splinters of bone and antler, and fine chipping debitage were lost. Such data, combined with artifacts from the 1966 excavations, will allow far greater insight to village activities. (2) We wanted a larger and more complete sample of the cultigens and wild food remains used by the site occupants.

(3) Small faunal remains which are seasonally available and/or sensitive to slight climatic fluctuation were also desired.

All soil from 1972 excavations was forced through a one-sixteenth inch screen by means of hydraulic pressure from an outside tap located at a nearby house. A storm sewer located approximately fifty yards down a steep slope served as a convenient repository for water. One problem was that of soil loss. We could afford neither the time nor the money to bring in large quantities of earth for backfilling or to remove silt which had been deposited in unwanted places. It became obvious that most of the soil be retained at the site. This was accomplished by construction of a sump trench which served as a settling basin. Each morning this trench was excavated, the mud put in wheelbarrows and placed near the excavation units. Backfilling revealed 85 percent of the soil was retained by this effort.

Initially, a trench consisting of five 5 foot by 5 foot squares was dug in arbitrary six inch levels. The purpose here was to open the trench as quickly as possible in order to expose a working profile which would be used to define natural stratigraphic levels within the deposit. It was soon discovered that we had not hit the deepest portion of the deposit. A decision was made to expose the western wall of an old 1966 excavation unit directly north of our trench in which the deposit had reached a surface depth of eleven feet. Once this was accomplished two 5 foot by 5 foot squares were established to the west of this wall. A third square was established to the east of the original trench. These three squares were excavated in natural stratigraphic units. When possible these natural units were subdivided by six inch arbitrary levels. Again all materials were passed through one-sixteenth inch screen. Large soil samples were taken from each natural level and from the arbitrary divisions within these levels. These samples will be used for gastropod, pollen, and chemical analysis.

Four natural levels were discerned within the site. The first of these was labeled "Plow Zone"; this consisted of the upper-most natural level, usually about twelve inches thick, which had been disturbed as a result of horticultural activities. The second natural level was recently disturbed, as suggested by the presence of both pre-historic and recent historic debris, exhibited great variation in thickness. This level represents recent movements of earth, probably from road and house construction. The third level discerned was characteristically very thin, usually only three to four inches. This level is dark and seemed to be transitional to the undisturbed midden below, it probably represents an old A1 soil horizon. The fourth natural level consisted of the undisturbed midden deposit. The thickness of this deposit varied from one to six feet, the deeper portions filling what are believed to have been former erosional ditches. Recent historical debris

is almost completely absent from this level.

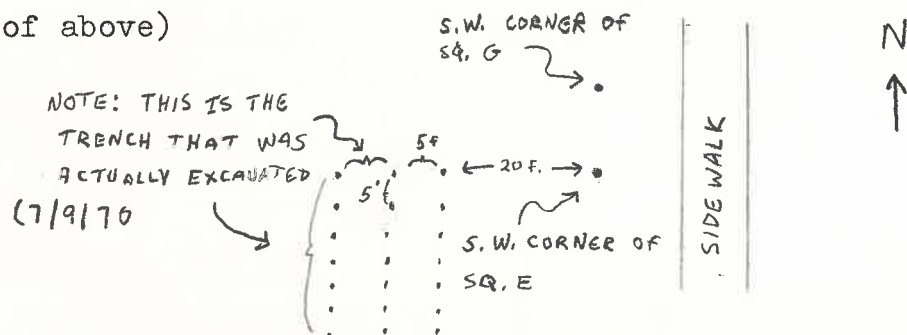
Processing of the materials from the 1972 excavations at King Hill is now being done in the Laboratory of Anthropology at the University of Nebraska-Lincoln. The materials are first passed through a one-quarter inch screen, everything greater than one-quarter inch is completely sorted. Everything less than one-quarter inch is immersed in water; all material that floats is retained separately. After the remaining material is dry, it is sorted for identifiable faunal remains, small artifacts and artifact fragments, and any botanical remains that may have escaped flotation.

In summation, the King Hill project has added to the body of Oneota data in both a quantitative and qualitative sense. The deep midden deposit offers an opportunity to study a stratified Oneota site. Through the use of faunal and floral elements, we should be better able to visualize the physical environment as a balanced system being systematically exploited by man. Further, the project has offered some insights into the adaptability of water screening techniques.

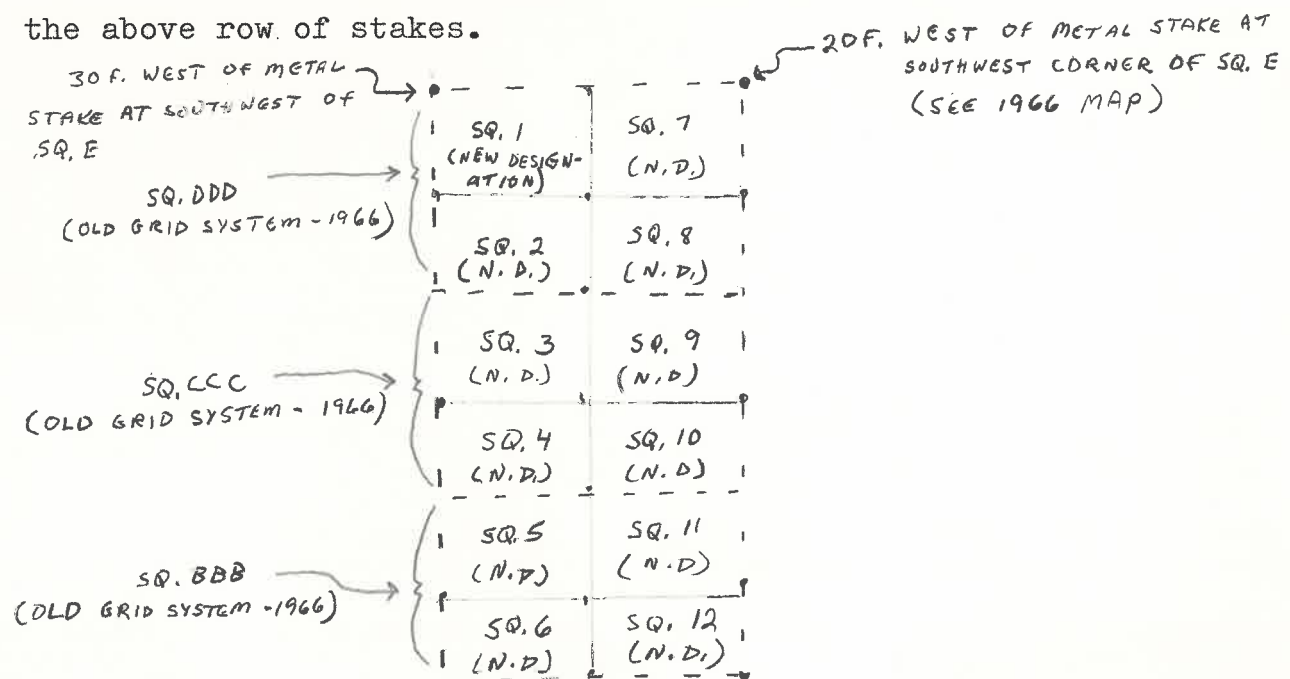
It is proposed that feedback from subsistence system analysis will function positively in construction of the physical environmental system which pertained at the time of the King Hill site occupation. The subsistence system cannot be derived logically without recourse to technological evidence. The tools, their implied function and patterns of wear, must be considered as part of a functioning whole, consistent with the hypothesized subsistence system. Combining material cultural data with that of subsistence patterning should yield information about the social and religious systems as well.

July 8, 1972

Two metal stakes were uncovered six feet west of the side walk. The stakes represent the southeast corners of Squares E and Square G. The stakes are being place at a right angle to the metal stake representing the southeast corner of square E. These stakes are being placed at 20' west and 25' west of the metal stake. These two stakes will represent the northern wall of five foot wide trench. The trench will run in a north-south direction for 30' and will be subdivided into 5' intervals. (See map, 1966) (~~NOTE~~ - (Note-Trench actually excavated is 5' west of above)



Another row of stakes is being added 30 feet west of the metal stake at the southeast corner of square E parallel to the above row of stakes.



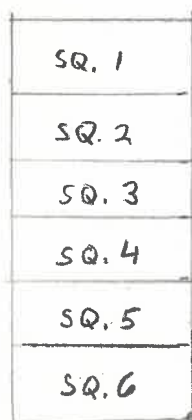
NOTE: THIS IS THE ROW OF SQUARES THAT WAS ACTUALLY EXCAVATED (7/9/72)

The sod has been stripped from Squares 1, 2, 3, 4, 5, & 6.

Construction has begun for the settling basin for water screening.

July 9, 1972

The lines have been leveled for Squares 1, 2, 3, 4, 5, & 6.
The Datum point is the southeast corner of of Square 6.
(String is flush with ground. AT THIS POINT)



Line is flush with the ground
and all the lines run level
with this point.

*
Window screening (1/16 mesh) is being placed on three park service screens. Levels 1 and 2 of all the squares will be chunked out and water screened. Levels 1 and 2 will each be 12" deep. All succeeding levels will be skimmed with trowel and will be 3" deep.

Square 1, level 1 is being excavated by Tom Theissen; Square 2, Level 1 is being excavated by John Ludwickson; Square 3, level 1 is being excavated by Lea Vidlak; and Square 4, level 1 is being excavated by Prudence Sadler and Kay Sargent.

Square 4, Level 2 has been begun by John Ludwickson.

Square 1, Square 2, and Square 3 have been screened and processed.
LEV. 1 LEV. 1 LEV. 1

Change in Cataloging System---formerly there were issued two catalog numbers per provenience---I.E. Square 1, level 1 recieved #'S 500 & 501--the first # representing materials which have been water screened; the second # representing artifacts pulled out durring excavation. Now only one number will be issued, additional

#'S for artifacts found during excavation will be issued upon request of the excavator.

July 10, 1972

Square 2, level 2 was excavated by T. Thiessen

Square 2 level 2 " " " J. Ludwickson

Square 3 Level 2 " " " L. Vidlak

The settling pool was cleaned in aprox. 30 min.

Square 4, level 1 was completed by N. S. King, square 4, level 2 was also started by King.

Square 1, level 2	(12" deep)	-----	screened and processed
" 2	" 2	" "	" " "
" 3	" 2	" "	" " "
" 4	" 1	" "	" " "

Processed materials (cat. #s 500, 502, 503, 504, 506, 507, 508, 510, and 511), sent to Lincoln with T. Thiessen.

NOTE : Datum depths for all squares are measured from southeast corner of square 6.

July 11, 1972

Square 1, level 3 (3" deep) excavated by E. Hoke

Square 2, level 3 " " " M. Ruppert

Square 4, level 2 (12" deep) " " S. King

Radio-carbon sample taken from Square 1, level 3(~~22~~²³ $\frac{3}{4}$ "-28 $\frac{3}{4}$ " south of north wall, 18"-21" west of east wall, and 26 - 26 $\frac{3}{4}$ " below datum)

Four hours of rain

Rest of day spent cleaning and scraping walls of squares 1,2,3,and4. Squares 1 and 2 were at a depth of 27", squares 3 and 4 at a depth of 24". Scrapings from each wall of each square were treated as separate units, the dirt was given a cat. # and water screened.

July 12, 1972

Square 1,	levels	4,5,	and 6	water	screened	and	processed.	E. Hoke
" 2,	"	4, 5,	and 6 "	"	"	"	"	M. Ruppert
" 3,	"	3, 4,	and 5 "	"	"	"	"	S. King

Stone slab and dirt supporting it, water screened and processed. Materials treated as one unit, encountered at level 2, processed at ~~XX~~ base of level 4.

Y

Leveled strings on squares 1, 2, 3, 4, 5, and 6 replaced with nylon cord.

July 13, 1972

Note: All radio-carbon samples will be given a separate cat. #.

Square 1	levels	7,8,	and 9	screened	and	processed.	E. Hoke
" 2	"	7,8,	and 9	"	"	"	.M. Ruppert
" 3	"	6,7,	and 8	"	"	"	.S. King

Dark tan (brown) mottled areas mentioned in all r-sheets which moves from east to west with increased depth, is now covering the entire surface of all three squares. It is almost certain that this soil represents the midden deposite. Some (much less than in the reddish tan soil) Euro-American material is present. Most of this material is associated with rodent activity, the rest probably represents natural deposition due to gravity. As depth increases the frequency of this material decreases. If this trend continues it would tend to indicate that the midden deposit is natural and that some stratigraphy is present.

Note: From this point forward all Euro-American material will be plotted on R-sheets

July 14, 1972

Square 1 levels 10, 11, 12, and 13 screened and processed M. Ruppert

Square 2 levels 10, and 11 screened and processed N. S. King

Note : Level 13 of square 1 contains dark mottled area in northern portion of square grading into light brown mottled in the southern part of the square. (see r-sheets). This could represent a lens within the midden deposit, or an area beneath the deposit.

Walls trimmed as before (see notes 7-11-72)

Note : Radio-carbon samples are now being taken from all levels of all squares.

July 17, 1972

Square 1 levels 14, 15, And 16; screened and processed, M. Ruppert
 and 14
 Square 2 levels 12 and 13; screened and processed, J. Ludwickson
 and 12
 Square 3 levels 9, 10, and 11; screened and processed, J. Oothoudt

Note : Soil in square 1 continuing light brown mottled (see notes July 14, 1972).

July 18, 1972

a probe
 Square 1 revealed that the light brown (tan) soil (see r-sheets) represents the sterile bottom of the midden deposit. The deposit continues to a depth of aprox. 86" in the NE corner of square 1. This square will be taken down three inches below the the deposit in the NE corner (89" Ø)

Square 2 A probe revealed that the midden deposit extends aprox. 16" below present surface of 60" to a depth of 76". Square 2 will be taken down^{3"} below base of the midden deposit (79")

Square 3 - A probe revealed midden deposit to a depth of aprox. 12" below present surface of 54". Square 3 will be taken down to depth of 69", 3 inches below base of deposit.

Square 1 levels 17, 18, and 19 screened and processed M. Ruppert
^{5 6 7}
 Square 2 levels 1~~4~~, 1~~5~~, and 1~~6~~ screened and processed J. Ludwickson
^{3 4 5}
 Square 3 levels 1~~2~~, 1~~3~~, and 1~~4~~ screened and processed J. Oothoudt

July 19, 1972

Square 1 levels 20, 21, 22, and 23 screened and processed M. Ruppert
 Square 2 levels 18, 19, and 20 screened and processed J. Ludwickson
 Square 3 levels 16, 17, and 18 screened and processed J. Oothoudt

Note : depth of squares as mentioned in notes of July 18, 1972 may be greater than anticipated.

July 20, 1972

J. Oothoudt started excavation of square 4 at level 3. Square 3 will remain at it's present level (level 18).

Note: Square 1 was taken down to level 24 (87-90"). The dark brown mottled midden deposit in the NE corner of the square was excavated in ~~three~~ 3" levels to a depth of 99". The light brown (tan) sterile soil was then chunked out from 90-99". This sterile material was then given a cat. # and water screened,

Square 1 levels 24,25,26, and 27 and sterile loess (see notes above)

screened and processed M. Ruppert

Square 2 levels 21, 22, and 23 screened and processed J. Ludwickson.

Square 4 levels 3 and 4 screened and processed J. Oothoudt.

Square 5 level 1 screened and processed M. Ruppert.

July 22, 1972

Square 4 level 8 screened and processed L. Vidlack

Square 5 levels 5 and 6 screened and processed N. S. King

North wall of square 1 profiled - N. S. King and M. Ruppert

A ten foot ^{long} trench 5 feet wide was dropped north of the north wall of square 1. A two foot balk was left between the north wall of square 1 and the south wall of the trench therefore the north wall of the trench is twelve feet from the north wall of square 1. This trench cuts through square EEE (1966 excavation unit) - the purpose is to expose and profile the west wall of square EEE. The two foot balk will be cut back to approx. 6" from the north wall of square 1.

A profile will then be taken - soil samples will be taken from the natural levels and sent to Lincoln for chemical analysis.

Note : from this point forward all arbitrary levels will be in 6" intervals.

Square 2 level 22 - last 3" level

Square 3 level 18 - " " "

Square 4 level 8 " " "

Square 5 level 6 " " "

Note ; All materials screened and processed to this point (including today) have been sent to Lincoln.

Note : All cultural materials from the ten foot extension trench will be treated as a single unit.

Note : Catalog error - Due to cat. error the cat. #'s 656 and 657 were duplicated and should have been separately numbered, therefore square 5 level 5 will have the new cat. # 661. Square 4 level 8 will be renumbered as cat. # 662 (see page 35 of catalog).

July 24, 1972

Square 4 levels 9 and 10 screened and processed. S. Holen

Square 5 levels 7 and 8 screened and processed. M. Ruppert

Square 1 - east and west walls profiled. C. Johnson and N. S. King

12' extension trench - soil containing cultural material was encountered in northern 1/3 of trench at a depth of from 7' to 10'. All materials were treated as a single unit and water screened. Materials all came from a single strat. unit to be defined later (" midden level" ?).

Balk between north wall of square 1 and southern wall of 12' extension trench removed.

Soil samples were removed from strat. units of northern wall of square 1 before its destruction (samples for chemical analysis only) samples will be sent to Lincoln with King.

Note : Numbering system for soil samples from vert. profiles -
 Each vertical profile of each square will be given a Roman numeral
 All soil samples from each profile will be numbered in regular
 notation (ie. I-1 = first sample taken from north wall of square 1)
 all regular numbers will then be plotted photo copies of the profiles,
 thereby giving exact location of each sample.

July 25, 1972

Square 2 ~~level~~ levels 2 screened and processed S. Holen
 Square 3 levels 19 and 20 screened and processed N. S. King
 Square 4 levels 11, 12, and 13 screened and processed S. Holen
 Square 5 level 9 screened and processed M. Ruppert

Square 4 - possible pit(s) surrounded by sterile soil on floor.
 Only area believed to be pit excavated in 6" levels. (see r-sheets)

Note: two pits observed in vertical profile of east wall of square 1

Note : square 3 may also contain pit (see r-sheet)

July 26, 1972

Square 3 levels 21, 22, and 23 screened and processed N. S. King
 Square 5 vertical profiles of east, west, and south walls taken
 Square 4 vertical profiles of east and west walls taken.

West wall of 12' extension trench cleaned M. Ruppert and J. Ludwickson.

July 27, 1972

Square 1 level 28 screened and processed C. Johnson
 Square 2 level 25 screened and processed S. Holen

Note : possible pit in NE corner of square 1 is only area in the
 square that is being excavated.

One half day of rain.

July 28, 1972

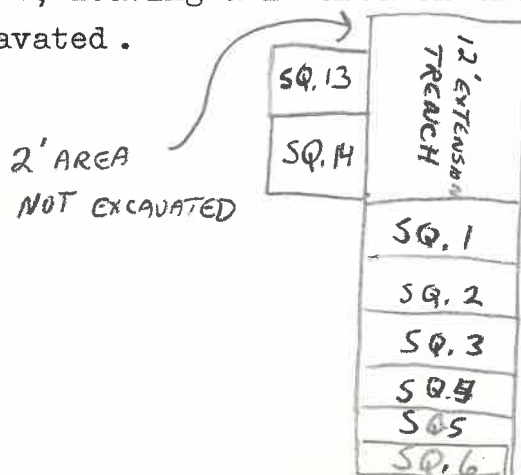
Square 1 levels 28, 29, 30 and 31 screened and processed. C. Johnson

Square 2 levels 26 and 27 screened and processed J. Ludwickson

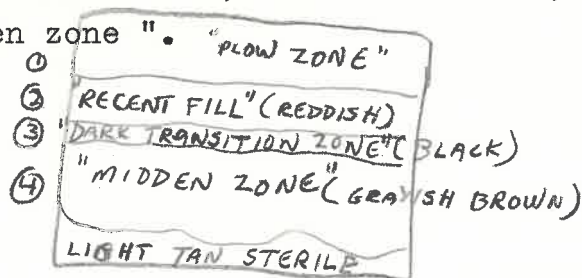
Square 3 levels 24 and 25 screened and processed. S. Holen

Note: Profiles taken from ~~xxxx~~ west wall of 12' extension trench..

Two five foot squares designated squares 13 and 14 will be dropped immediatly to the west of ~~squares~~ of 12' extension trench and immediatly NW of square 1, leaving a 2' area on the northern edge of 12' extension trench unexcavated.



These two squares will be taken down in natural strat. units. The four units will consist of " Plow zone ", " Recent fill. ", Dark transition zone ", and midden zone ". " PLOW ZONE "



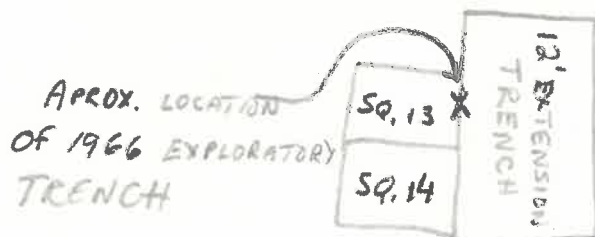
The first three zones will all be chunked out and treated as a single units. The fourth zone (midden zone) will be excavated in 6" levels

Note: Square 1 - square becomes sterile at a depth of 120" (see r-sheets)

Square 5	"	"	"	"	"	"	"	54"	"	"
Square 4	"	"	"	"	"	"	"	72"	"	"

Note: Datum depths for squares 13 and 14 will be the same as those for squares 1-6 (level lines run continuous for all squares mentioned above) the datum point being the SE corner of square 6.

Note: Exploratory trench (1966 excavation unit) off of west wall of 12' extension trench (west wall of 1966 excavation unit square EEE) is visible in vertical profile. This trench extends down to approximately 6" into the "midden zone". This feature will be included in square 13 materials from the first two natural zones and the first 6" of the "midden zone". Materials from square 13 should be interpreted with this consideration in mind.



July 31, 1972

Square 2 level 28 screened and processed, C. Johnson

Square 3 levels 26 and 27 screened and processed, S. Holen

Vert. profile - square 3 east wall S. Holen

Note: two new squares opened - Square 15 is 45 - 50 feet directly south of the north wall of square 1. Square 16 is 110 - ~~195~~ 195' directly south of the north wall of square 1.

These two squares will be chunked out in 12" levels, the materials from these squares will not be screened. The purpose of these squares is to obtain vert. profiles and soil samples.

Note: soil samples will be taken from each level of squares 15 and 16.

Note: from this point forward all soil samples will receive cat. #'s. (samples from north wall ^{of Sq. 1} did not receive cat. #'s - see vert. profile of that wall for information.)

August 1, 1972

Square 13 level ~~x~~ P. Z. (plow zone) screened and processed J. Ludwickson
 Square 14 level P. Z. (plow zone) screened and processed M. Ruppert

Vert. profiles Square 3 west wall	~~xx~~	J. Ludwickson	and	S. Holen
Square 3 south wall		"	"	"
Square 2 east wall		"	"	"
Square 2 west wall		"	"	"

Note: Old exploratory trench running through square 13 will be treated as a single and separate unit from this point forward (from the top of "recent fill" to approx. 6" into the midden zone)

August 2, 1972

Square 13 level recent fill (R.F.) screened and processed N. S. King
 Square 14 ~~Rx~~ level recent fill (R.F.) screened and processed M. Ruppert

Square 8 (see notes of 7-8-72 for location) opened. This square will be treated in the same manner as squares 13 and 14.

Note: datum of square 8 is exactly 18" higher than for squares 1-6.

Note: Natural strat. level "Recent fill" is not present on west wall of square 8 therefore it may be omitted in this square.

Note: A light tan natural strat. was encountered in squares 13 and 14 this level was not present in eastern wall of (vert. profile of 12' extension trench) therefore it was included in "Recent fill". Soil samples will be taken from this level at a later date.

August 3, 1972

Square 13 level dark transitional zone (D.T.Z.) screened and processed
 N.S. King

Square 14 level dark transitional zone (D.T.Z.) screened and processed
 M. Ruppert

Square 15 chunked down to sterile at 36" J. Ludwickson

Note: natural strat. level "Midden zone" will be subdivided into Midden zone I and Midden zone II (see profiles and r-sheets)

Note: Square 14 will be chunked through M.Z. I and M.Z. II and each level

will be treated as a single unit. Square 13 will be subdivided - each of the above mentioned units will be divided into 6" arbitrary levels (following the contour of the natural strata) .

August 4, 1972

Square 8 level Plow zone (P.Z.) screened and processed S. Holen

Square 13 level Midden zone 1-1 (M.Z. 1-1) screened and processed S. King

Note: No Recent fill zone in square 8

Note: Square 14 - entire midden zone will be taken out as a single unit.

Note: Squares 13 and 8 - Entire midden zone will be taken out in 6" levels (Disregard former notes stating that Midden zone could be divided into natural strata.) - changes in strata within midden zone are too ambiguous in nature and cannot be seen horizontally.

August 7, 1972

Square 13 level midden zone 1-1 screened and processed N. S. King

Square 8 level midden zone 1-1 screened and processed S. Holen

Note: A one foot extension of the east wall of square 1 will be made All soils will be retained for floatation etc. Only the northern ½ (2½') of the extension will be excavated. This unit will be designated square 1 E.

August 8, 1972 ^{MIDDEN ZONE 1-}

Square 8 levels ¹2,3, and ⁴4 screened and processed S. Holen

Square 13 levels ^{MIDDEN ZONE 1-}3,4, and 5 screened and processed N. S. King

Square 1E zones 1,2,3,4,5,6, and 7 all soils retained J Ludwickson

Square 14 level midden zone (entire zone) screened and processed M. Ruppert

Note: Square 14 taken down to sterile (see r-sheets for infor.)

Note: south wall of square 14 profiled M. Ruppert

Note: Dark area in NW corner of square I3 (possible pit) which has been left standing (see r-sheets for this square) is now being excavated in 6" levels following the same contour as the other levels for this square, soill samples are being taken.

August 11, 1972

v Square I3 Dark area in NW corner of square taken down to sterile (level 10)

Note : all squares down to ~~tox~~ sterile

profiles of west and north walls of square I3 taken

profiles of north, south and east walls of square 8 taken

profile of east wall of square I E taken

August 12, 1972

BACKFILL

August 8, 1972

Square ~~28~~ 8 levels 2,3, and 4 screened and processed S. Holen

Square ~~23~~ 3 levels 3,4, and 5 screened and processed N. S. King

Square I E zones I -- 7 All materials retained J. Ludwickson

Square I4 level "Midden Zone" screened and processed M. Ruppert

Note: Square I4 taken down to sterile (see r-Sheets for information)

South wall of square I4 profiled M. Ruppert

August 9, 1972

Square I3 levels 6, 7, 8, 9, IO, II, I2, and I3 screened and processed

N. S. King

Square 8 levels 5, 6, 7, 8, 9, and IO screened and processed S. Holen

Square I E Zones 8-25 All materials retained J. Ludwickson

Note: Squares I3, 8, and I E all reached sterile at the levels mentioned above

Note: Soil samples taken

1. From south wall of Square 3 (sterile soil) all natural levels
2. From east wall of square 8 - all natural levels within the midden zone.
3. From west wall of square I4 - light tan zone with in "recent fill zone"
(see vert. profile)
4. From south wall of square I4 - all natural levels within "midden zone"

Excavation units; I972 and depths of each unit in feet.

~~1630~~ cubic feet
1625

5 54'	4 54'	3 120"	2 106"	I 106'	I4	I3
4.5	4.5	10	9	9	10	11.5
						I2' Ext.
			8			
			6.5			

5'

Excavation Units : 1966 and depths of
each in feet

5,200 cubic feet

A	B	C	D	E	F	G	H
.5 I	.5 I	.5 I	.5 I	.5 I	.5 I	.5 I	.5 I
114"	90"	72"	60"	48"	42"	36"	30"
9.5	7.5	6	5	4	3.5	3	2.5
EEE	FFF	GGG	HHH	EEE	FFF	GGG	HHH
EE	FF	GG	HH	EE	FF	GG	HH
48"	42"	36"	30"	24"	18"	12"	6"
4	3.5	3	2.5	2	1.5	1	.5

10 feet

Catalog numbers corresponding to the arbitrary 6" and 12" levels
at the Kings Hill site (1966 and 1972 excavations)

1 (12")		2 (12")			3(6")		4(6")	
29	235	3	154	291	1	597	4	652
32	239	5	155	292	2	644	7	654
43	278	10	158	303	11	655	8	659
44	279	35	160	304	13	656	9	661
47	289	37	161	319	14		12	
48	290	36	162	320	15		73	
49	220	38	163	338	16		94	
50	221	39	164	339	17		98	
51	222	40	165	352	18		99	
52	223	42	166	353	19		101	
58	224	41	167	511	20		107	
59	225	45	169	508	21		109	
62	301	53	157	510	22		110	
63	302	55	170	512	23		130	
65	317	56	171	653	24		131	
66	318	57	172	509	25		132	
67	336	60	173		26		133	
70	337	61	174		27		134	
76	350	64	175		28		137	
79	351	68	176		54		138	
81	500	72	177		71		139	
83	502	74	178		89		140	
85	504	75	179		90		141	
86	506	77	180		95		142	
87	646	78	181		103		143	
92		80	182		105		144	
96		82	183		108		194	
97		91	184		120		195	
104		93	185		135		196	
106		100	187		136		197	
116		102	189		145		198	
118		111	207		146		199	
117		112	208		147		200	
149		113	213		159		201	
204		114	214		188		202	
205		115	231		266		244	
206		121	237		283		243	
215		122	238		293		246	
216		123	240		305		273	
217		124	241		321		284	
218		125	248		340		294	
219		126	250		343		306	
226		127	253		344		316	
227		128	255		354		322	
228		129	256		513		341	
229		148	257		514		345	
232		150	265		515		523	524
233		151	269		520	521	528	
234		152	270		525		526	
		153	280				527	
			281				531	
			282					

5(6")	6(6")	7(6")	8(6")	9(6")	10(6")	11(6")
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30	210	289	288	299	300	313
3I	211	297	298	311	312	329
34	212	309	310	327	328	602
247	251	325	326	572	589	608
252	286	547	561	581	603	616
263	296	548	564	590	607	622
267	308	580	574	591	609	667
271	324	559	583	604	599	
285	347	566	588	610	617	
295	537	584	596	673	675	
307	538	665	671			
323	568	672				
342	663					
347	666					
529	542					
530	543					
533	573					
657						
664						
534						
535						
536						
662						

12(6")

13(6")

14(6")

15(6")

16(6")

17(6")

314
330
615
621
629
638
674

315
331
628
634
647
677

332
640
641
676
680

333
642
687
683
682

334
684
685
688

335
689
691
692

18(6")

19(6")

690
693
694

698

1972 EXCAVATION UNITS :
REASSIGNMENT OF CATALOG NUMBERS
WITHIN ARBITRARY LEVELS

	Cat. #	SQ. 1		New Level Depth		Cat. #	SQ. 2		New Level Depth
		Former Level #	Former Level Depth				Former Level #	Former Level Depth	
	(1) 500	1	12"	12"		502	1	12"	12"
	(2) 511	2	12"	12"		508	2	12"	12"
	513	3	3"	6"		514	3	3"	6"
	(3) 520	4	3"	6"		515	4	3"	6"
	524	5	3"	6"		523	5	3"	6"
	(4) 527	6	3"	6"		526	6	3"	6"
	529	7	3"	6"		530	7	3"	6"
	(5) 534	8	3"	6"		535	8	3"	6"
	537	9	3"	6"		538	9	3"	6"
	(6) 542	10	3"	6"		543	10	3"	6"
	547	11	3"	6"		548	11	3"	6"
	(7) 559	12	3"	6"		566	12	3"	6"
	561	13	3"	6"		574	13	3"	6"
	(8) 564	14	3"	6"		583	14	3"	6"
	572	15	3"	6"		590	15	3"	6"
	(9) 581	16	3"	6"		591	16	3"	6"
	589	17	3"	6"		603	17	3"	6"
	(10) 599	18	3"	6"		609	18	3"	6"
	602	19	3"	6"		616	19	3"	6"
	(11) 608	20	3"	6"		622	20	3"	6"
	615	21	3"	6"		629	21	3"	6"
	(12) 621	22	3"	6"		638	22	3"	6"
	628	23	3"	6"		647	23	3"	6"
	(13) 634	24	3"	6"					
	640	25	3"	6"		676	24	6"	6"
	(14) 641	26	3"	6"					
	642	27	3"	6"		683	25	6"	6"
	(15) 687	28	3"	6"					
	(16) 688	29	6"	6"		684	26	6"	6"
	(17) 689	30	6"	6"		692	27	6"	6"
	(18) 690	31	6"	6"		694	28	6"	6"

NEW LEVEL

SQ. 3					SQ. 4				
	Cat. #	Former Level #	Former Level Depth	New Level Depth		Cat. #	Former Level #	Former Level Depth	New Level Depth
(1)	504	1	12"	12"		506	1	12"	12"
(2)	510	2	12"	12"		512	2	12"	12"
(3)	521	3	3"	6"		597	3	3"	6"
	525	4	3"			644	4	3"	
(4)	528	5	3"	6"		652	5	3"	6"
	531	6	3"			654	6	3"	
(5)	533	7	3"	6"		657	7	3"	6"
	536	8	3"			662	8	3"	
(6)	558	9	3"	6"		663	9	6"	6"
	573	10	3"						
(7)	580	11	3"	6"		665	10	6"	6"
	584	12	3"						
(8)	588	13	3"	6"		671	11	6"	6"
	596	14	3"						
(9)	604	15	3"	6"		673	12	6"	6"
	610	16	3"						
(10)	617	17	3"	6"		675	13	6"	6"
	627	18	3"						
(11)	667	19	6"	6"					
(12)	674	20	6"	6"					
(13)	677	21	6"	6"					
(14)	680	22	6"	6"					
(15)	682	23	6"	6"					
(16)	685	24	6"	6"					
(17)	691	25	6"	6"					
(18)	693	26	6"	6"					
(19)	698	27	6"	6"					

NEW LEVELS

SQ. 5				
	Cat. #	Former Level #	Former Level Depth	New Level Depth
(1)	646	1	12"	12"
(2)	653	2	12"	12"
(3)	655	3	3"	6"
	656	4	3"	
(4)	661	5	3"	6"
	659	6	3"	
(5)	664	7	6"	6"
(6)	666	8	6"	6"
(7)	672	9	6"	6"

Catalog numbers corresponding to natural levels at the Kings
Hill site, 1972 excavations.

Level	SQ. 8	SQ. 13	SQ. 14
P.Z.	711	696	697
R.F.	---	708	706
D.T.Z.	725	713	715
*M.Z.	---	---	721
M.Z. -1	731	719	
M.Z. -2	739	733	
M.Z. -3	742	736	
M.Z. -4	753	745	
M.Z. -5	764	756	
M.Z. -6	774	760	
M.Z. -7	782	771	
M.Z. -8	790	779	
M.Z. -9	802	793	
M.Z. -10	804	806	
M.Z. -11		809	
M.Z. -12		812	
M.Z. -13		815	
M.Z. -6a		816	
M.Z. -7a		817	
M.Z. -8a		818	
M.Z. -9a		819	
M.Z. -10aa		820	

Catalog numbers corresponding to the arbitrary 6" and 12" levels
at the Kings Mill site (1966 and 1972 excavations)

1 (12")

2 (12")

3(6")

4(6")

~~29~~	~~235~~	~~3~~	~~154~~	~~291~~	~~4~~	~~597~~	~~4~~	~~652~~
~~32~~	~~239~~	~~5~~	~~155~~	~~292~~	~~2~~	~~644~~	~~7~~	~~654~~
~~43~~	~~278~~	~~10~~	~~158~~	~~303~~	~~11~~	~~655~~	~~8~~	~~659~~
~~44~~	~~279~~	~~35~~	~~160~~	~~304~~	~~13~~	~~656~~	~~9~~	~~661~~
~~47~~	~~289~~	~~37~~	~~161~~	~~319~~	~~14~~		~~12~~	
~~48~~	~~290~~	~~38~~	~~162~~	~~320~~	~~15~~		~~73~~	
~~49~~	~~220~~	~~38~~	~~163~~	~~338~~	~~16~~		~~94~~	
~~50~~	~~221~~	~~39~~	~~164~~	~~339~~	~~17~~		~~98~~	
~~51~~	~~222~~	~~40~~	~~165~~	~~352~~	~~18~~		~~99~~	
~~52~~	~~223~~	~~42~~	~~166~~	~~353~~	~~19~~		~~101~~	
~~58~~	~~224~~	~~41~~	~~167~~	~~511~~ ⁵¹²	~~20~~		~~107~~	
~~59~~	~~225~~	~~45~~	~~169~~	~~508~~	~~21~~		~~109~~	
~~62~~	~~301~~	~~53~~	~~157~~	~~510~~	~~22~~		~~110~~	
~~63~~	~~302~~	~~55~~	~~170~~	~~512~~	~~23~~		~~130~~	
~~65~~	~~317~~	~~56~~	~~171~~	~~653~~	~~24~~		~~131~~	
~~66~~	~~318~~	~~57~~	~~172~~		~~25~~		~~132~~	
~~67~~	~~338~~	~~60~~	~~173~~	~~509(?)~~	~~26~~		~~133~~	
~~70~~	~~337~~	~~61~~	~~174~~		~~27~~		~~134~~	
~~76~~	~~350~~	~~64~~	~~175~~		~~28~~		~~137~~	
~~79~~	~~351~~	~~68~~	~~176~~		~~54~~		~~138~~	
~~81~~	~~500~~ ⁵⁰¹	~~72~~	~~177~~		~~71~~		~~139~~	
~~83~~	~~502~~	~~74~~	~~178~~		~~89~~		~~140~~	
~~85~~	~~504~~	~~75~~	~~179~~		~~90~~		~~141~~	
~~86~~	~~506~~	~~77~~	~~180~~		~~95~~		~~142~~	
~~87~~	~~646~~	~~78~~	~~181~~		~~103~~		~~143~~	
~~92~~		~~80~~	~~182~~		~~105~~		~~144~~	
~~96~~		~~82~~	~~183~~		~~108~~		~~194~~	
~~97~~		~~91~~	~~184~~		~~120~~		~~195~~	
~~104~~		~~93~~	~~185~~		~~135~~		~~196~~	
~~106~~		~~100~~	~~187~~		~~136~~		~~197~~	
~~116~~		~~102~~	~~189~~		~~145~~		~~198~~	
~~118~~		~~111~~	~~207~~		~~146~~		~~199~~	
~~147~~		~~112~~	~~208~~		~~147~~		~~200~~	
~~149~~		~~113~~	~~213~~		~~159~~		~~201~~	
~~204~~		~~114~~	~~214~~		~~188~~		~~202~~	
~~205~~		~~115~~	~~231~~		~~266~~		~~244~~	
~~206~~		~~121~~	~~237~~		~~283~~		~~245~~	
~~215~~		~~122~~	~~238~~		~~293~~		~~246~~	
~~216~~		~~123~~	~~240~~		~~305~~		~~273~~	
~~217~~		~~124~~	~~241~~		~~321~~		~~284~~	
~~218~~		~~125~~	~~248~~		~~340~~		~~294~~	
~~219~~	~~225~~	~~126~~	~~250~~		~~343~~		~~306~~	
~~226~~		~~127~~	~~253~~		~~344~~		~~316~~	
~~227~~		~~128~~	~~255~~		~~354~~ [?]		~~322~~	
~~228~~		~~129~~	~~256~~		~~513~~		~~341~~	
~~229~~		~~148~~	~~257~~		~~514~~		~~345~~	
~~232~~		~~150~~	~~265~~		~~515~~		~~523~~	~~524~~
~~233~~		~~151~~	~~269~~		~~520~~ ⁵²¹		~~528~~	
~~234~~		~~152~~	~~270~~		~~525~~		~~526~~	
		~~153~~	~~280~~				~~527~~	
			~~281~~				~~531~~	
			~~282~~					

5(6") 6(6") 7(6") 8(6") 9(6") 10(6") 11(6")

~~20~~	~~210~~	~~289~~	~~288~~	~~299~~	~~300~~	~~313~~
~~31~~	~~211~~	~~297~~	~~298~~	~~311~~	~~312~~	~~329~~
~~34~~	~~212~~	~~309~~	~~310~~	~~327~~	~~328~~	~~602~~
~~247~~	~~251~~	~~325~~	~~326~~	~~572~~	~~584~~	~~608~~
~~252~~	~~286~~	~~547~~	~~561~~	~~581-?~~	~~603~~	~~616~~
~~263~~	~~296~~	~~548~~	~~564~~	~~590~~	~~607~~	~~622~~
~~267~~	~~308~~	~~580~~	~~574~~	~~591~~	~~609~~	~~667~~
~~271~~	~~321~~	~~559~~	~~583~~	~~604~~	~~599~~	
~~285~~	~~317~~	~~566~~	~~588~~	~~610~~	~~617~~	
~~295~~	~~537~~	~~584~~	~~596~~	~~673~~	~~675~~	
~~307~~	~~539~~	~~665~~	~~671~~	~~593~~	~~627~~	
~~323~~	~~568~~	~~672~~				
~~342~~	~~663~~	~~570~~	~~-576~~			
~~347~~	~~668~~					
~~529~~	~~542~~					
~~530~~	~~543~~					
~~533~~	~~573~~					
~~534~~						
~~535~~						
~~536~~						
~~662~~						

534

~~581~~
~~570~~
~~576~~
~~593~~
~~619~~
~~627~~
~~653~~
~~658~~
~~668~~
 misc
 699?

35

12(6")

13(6")

14(6")

15(6")

16(6")

17(6")

~~314~~
~~330~~
~~615~~
~~621~~
~~629~~
~~638~~
~~674~~

~~315~~
~~331~~
~~628~~
~~634~~
~~647~~
~~677~~

~~332~~
~~640~~
~~641~~
~~676~~
~~680~~

~~333~~
~~642~~
~~687~~
~~683~~
~~682~~

~~334~~
~~684~~
~~685~~
~~688~~

~~335~~
~~689~~
~~691~~
~~692~~ — 8

NOTHING FOR THESE TWO
 ↓ ↓

18(6")

19(6")

~~690~~ ?
~~693~~ ?
~~694~~ ?

~~698~~ ?

10 5 3
 10 5 4
 10 5 5

SLIDE CATALOG

<u>Slide number</u>		<u>Description</u>	
1	Sq. 1	Vertical Profile	North Wall
2	Sq. 1	Vert. Pro.	North Wall
3	Sq. 1	Vert. Pro.	North Wall
4	Sq. 1	Vert. Pro.	North Wall
5	Sq. 1	Vert. Pro.	North Wall
6	Sq. 1	Vert. Pro.	North Wall
7	Sq. 1	Vert. Pro.	North Wall
8	Sq. 1	Vert. Pro.	East Wall
9	Sq. 1	Vert. Pro.	East Wall
10	Sq. 1	Vert. Pro.	East Wall
11	Sq. 1	Vert. Pro.	East Wall
12	Sq. 1	Vert. Pro.	East Wall
13	Sq. 1	Vert. Pro.	East Wall
14	Sq. 1	Vert. Pro.	East Wall
15	Sq. 1	Vert. Pro.	East Wall
16	Sq. 1	Vert. Pro.	East Wall
17	Sq. 1	Vert. Pro.	East Wall
18	Sq. 1	Vert. Pro.	West Wall
19	Sq. 1	Vert. Pro.	West Wall
20	Sq. 1	Horizontal Profile	Sterile
21	Sq. 1	Horiz. Pro.	Level 17
22	Sq. 2	Vert. Pro.	East Wall
23	Sq. 2	Vert. Pro.	East Wall
24	Sq. 2	Vert. Pro.	East Wall
25	Sq. 2	Vert. Pro.	East Wall
26	Sq. 2	Vert. Pro.	East Wall
27	Sq. 2	Vert. Pro.	East Wall
28	Sq. 2	Vert. Pro.	East Wall
29	Sq. 2	Vert. Pro.	East Wall
30	Sq. 2	Vert. Pro.	West Wall
31	Sq. 2	Vert. Pro.	West Wall
32	Sq. 2	Horiz. Pro.	Sterile
33	Sq. 2	Horiz. Pro.	Level 10
34	Sq. 2	Horiz. Pro.	Level 20
35	Sq. 3	Vert. Pro.	East Wall
36	Sq. 3	Vert. Pro.	East Wall
37	Sq. 3	Vert. Pro.	East Wall
38	Sq. 3	Vert. Pro.	East Wall
39	Sq. 3	Vert. Pro.	East Wall
40	Sq. 3	Vert. Pro.	South Wall
41	Sq. 3	Vert. Pro.	West Wall
42	Sq. 3	Vert. Pro.	West Wall
43	Sq. 3	Horiz. Pro.	Sterile
44	Sq. 3	Horiz. Pro.	Level 13
45	Sq. 3		
46	Sq. 4	Vert. Pro.	East Wall
47	Sq. 4	Vert. Pro.	East Wall
48	Sq. 4	Vert. Pro.	East Wall
49	Sq. 4	Vert. Pro.	West Wall

50	Sq. 4	Vert. Pro.	West Wall
51	Sq. 4	Horiz. Pro.	Level 3
52	Sq. 4	Horiz. Pro.	Level 4
53	Sq. 4	Horiz. Pro.	Level 5
54	Sq. 4	Horiz. Pro.	Level 6
55	Sq. 4	Horiz. Pro.	Level 7
56	Sq. 4	Horiz. Pro.	Level 10
57	Sq. 4	Horiz. Pro.	Sterile
58	Sqs. 1-4	Looking North	
59	Sqs. 1-4	Looking South	
60	Sqs. 1-4	Looking South	
61	Sq. 5	Vert. Pro.	East Wall
62	Sq. 5	Vert. Pro.	South Wall
63	Sq. 5	Vert. Pro.	West Wall
64	Sq. 5	Vert. Pro.	West Wall
65	Sq. 5	Horiz. Pro.	Sterile
66	Sq. 8	Vert. Pro.	North Wall
67	Sq. 8	Vert. Pro.	East Wall
68	Sq. 8	Vert. Pro.	East Wall
69	Sq. 8	Vert. Pro.	South Wall
70	Sq. 8	Horiz. Pro.	Bottom of M.Z.
71	Sq. 8	Looking East	
72	Sq. 13	Vert. Pro.	North Wall
73	Sq. 13	Vert. Pro.	West Wall
74	Sq. 13	Vert. Pro.	West Wall
75	Sq. 13	Horiz. Pro.	Top of Recent Fill
76	Sq. 13	Horiz. Pro.	Top of D.T.Z.
77	Sq. 13	Horiz. Pro.	Top of M.Z.1
78	Sq. 13	Horiz. Pro.	Bottom of M.Z.
79	Sq. 13	Horiz. Pro.	Bottom of M.Z.
80	Sq. 13	Horiz. Pro.	Sterile
81	Sq. 14	Vert. Pro.	West Wall
82	Sq. 14	Vert. Pro.	Bottom of M.Z.
83	Sq. 14	Horiz. Pro.	Top of D.T.Z.
84	Sq. 14	Horiz. Pro.	Top of M.Z.
85	Sq. 14	Horiz. Pro.	Top of Recent Fill
86	Sqs. 13-14	Horiz. Pro.	Sterile
87	Sqs. 13-14	Horiz. Pro.	Top of D.T.Z.
88	Sqs. 13-14	Horiz. Pro.	Top of M.Z.
89	Sq. 15	Vert. Pro.	North Wall
90	Sq. 15	Vert. Pro.	East Wall
91	Sq. 15	Vert. Pro.	South Wall
92	Sq. 15	Vert. Pro.	West Wall
93	Sq. 15	Looking N.E.	
94	Sq. 16	Vert. Pro.	North Wall
95	Sq. 16	Vert. Pro.	East Wall
96	Sq. 16	Vert. Pro.	East Wall
97	Sq. 16	Vert. Pro.	South Wall
98	Sq. 16	Vert. Pro.	West Wall
99	Sq. 16	Looking South	

100	12' Extension Trench	Vertical Profile	West Wall-N1/3
101	12' Extension Trench	Vert. Pro.	West Wall-N1/3
102	12' Extension Trench	Vert. Pro.	West Wall-M1/3
103	12' Extension Trench	Vert. Pro.	West Wall-M1/3
104	12' Extension Trench	Vert. Pro.	West Wall-S1/3
105	12' Extension Trench	Vert. Pro.	West Wall-S1/3
106	Artifacts and Identifiable Fauna 1966		
107	Reconstructable Pot?	Sq. 2	
108	Pumice Pipe		
109	Map of the Site		
110	Map of the Site		
111	Vertical Profile of the Western Walls		
112	View of the Site	looking North	
113	View of the Site	looking North	
114	View of the Site	looking North	
115	View of the Site	looking North	
116	View of the Site	looking South	
117	View of the Site	looking South	
118	View of the Site	looking South	
119	View of the Site	looking South	
120	Water Screening		
121	Water Screening		
122	Water Screening		
123	Water Screening		
124	Water Screening		
125	Water Screening		
126	Water Screening		
127	Water Screening		
128	Drying Screens		
129	Drying Screens		
130	Back Filling		
131	Back Filling		
132	Back Filling		
133	Back Filling		
134	Back Filling		
135	Back Filling		
136	Back Filling		
137	People, etc.		
138	People, etc.		
139	People, etc.		
140	People, etc.		
141	People, etc.		
142	People, etc.		
143	People, etc.		
144	People, etc.		
145	People, etc.		
146	People, etc.		
147	People, etc.		
148	People, etc.		
149	People, etc.		
150	People, etc.		

151	Sq.E	Vert. Pro.	North Wall
152	Sq.F		East Wall
153	Sq.F		East Wall
154	Sq.G		South Wall
155	Sq.FF	Vert. Pro.	East Wall
156	Sq.FF	Vert. Pro.	East Wall
157	Sq.GG	Vert. Pro.	North Wall
158	Sq.EEE	Vert. Pro.	West Wall
159	Sq.EEE	Vert. Pro.	South Wall
160	Sq.EEE	Vert. Pro.	South Wall
161	Sq.FFF	Vert. Pro.	North Wall
162	Sq.FFF		West Wall
163	Sq.FFF		West Wall
164	Sq.FFF	Level 9	S.E. Corner
165	Sq.GGG	Vert. Pro.	West Wall
166	Sq.GGG	Vert. Pro.	West Wall
167	Sq.GGG	Vert. Pro.	West Wall
168	Sq.GGG	Vert. Pro.	West Wall
169	Sq.GGG	Vert. Pro.	South Wall
170	Sq.HHH	Vert. Pro.	North Wall
171	Sq.HHH	Vert. Pro.	West Wall
172	Sq. ~~HHH~~	Vert. Pro.	South Wall
173	Sq.HHH	Vert. Pro.	East Wall
174	Miscellaneous		
175	"		
176	"		
177	"		
178	"		
179	"		
180	"		

PHOTOGRAPHIC RECORD--Archaeology				Minolta	Page <u>1</u>	
Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed	
1	1-9	7-10-72	23-0N-1	PEOPLE AT WORK AND OR GEN. SHOTS		
	10		23-0N-1	TRENCH FACING NORTH WITH PEOPLE WORKING		
	11		23-0N-1	ELEVATED OVERVIEW OF TRENCH FROM S.E.		
	12		23-0N-1	TRENCH FACING NORTH		
	13	TO	23-0N-1	CHARCOAL ASH DEPOSIT IN SQUARE 2 LEVEL 10 (48") EAST WALL		
	14+15		23-0N-1	SQUARE 1		
	16		23-0N-1	SQUARE 3		
	17+18		23-0N-1	PEOPLE AT WORK ON TRENCH		
	19+20		23-0N-1	SQUARE 2 - JOHN LUDWIGSON TAKING OUT POT		
	21+22		23-0N-1	PEOPLE AT WORK ON TRENCH		
	23		23-0N-1	SQUARE 2 EAST WALL LEVEL 20 NOTE: SLATE READS LEVEL 120-SHOULD BE 20		
	24	7-20-72	23-0N-1	BEFORE OPERATIONS ON SLUMP TRENCH		
	25+26	"	23-0N-1	WORKING ON SLUMP TRENCH		
	27	"	23-0N-1	AFTERMATH OF OPERATIONS ON TRENCH ^{SLUMP}		
	28	"	23-0N-1	SQUARE 4 LEVEL 3 (27") HORIZONTAL PROFILE EAST WALL		
	29	"	23-0N-1	SQUARE 4 LEVEL 4 (30") EAST WALL		
	30+31	7-24-72	23-0N-1	ELEVATED OVERVIEW OF TRENCH (#31 is 2X)		

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
	32	7-21-72	23-DN-1	SQUARE 4 LEVEL 5 (33") HORIZ. PROFILE EAST WALL	
	33	7-21-72	"	SHOT OF PEOPLE WORKING LOOKING NORTH	
	34	7-21-72	"	SQUARE 4 LEVEL 6 (36") HORIZ. PROFILE EAST WALL	
	35		"	SQUARE 4 LEVEL 7 (39") HORIZ. PROFILE EAST WALL	
	~~36~~		"	SHOT OF GROUP OF PEOPLE REMONDSITE	
2	1	7-22-72	"	SQUARE 1 VERTICAL PROFILE EAST WALL	
	2	"	"	ELEVATED SHOT OF TRENCH	
	3	"	"	ELEVATED SHOT OF TRENCH (2X)	
	4	7-24-72	"	SQUARE 1 VERTICAL PROFILE, NORTH WALL	
	5	"	"	SQUARE 1 VERTICAL PROFILE, EAST WALL	
	6	"	"	SQUARE 4 LEVEL 10 (54") HORIZ. PROFILE - SUSPECTED TRASH PIT ON NORTH EDGE	
	7	"	"	BREAKING THROUGH ON N WALL OF SQ. 1	
	8	"	"	"	
	9	7-25-72	"	SQ. 5 EAST WALL VERTICAL PROFILE	
	10 & 11	"	"	SQ. 1 WEST WALL VERT. PROFILE (99")	
	12	"	"	SQ. 2 WEST WALL VERT. PROFILE (87")	
	13	"	"	SQ. 3 WEST WALL VERT. PROFILE (78")	

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
2	14	7-25-72	23-BN-1	Sq4 EAST WALL VERT. PROFILE (54")	
	15	"	"	Sq.5 South wall VERT PROFILE (54")	
	16	"	"	Sq.2 EAST WALL VERT PROFILE (58")	
	17	"	"	Sq.3 EAST WALL VERT PROFILE (78")	
	18	"	"	GENERAL SHOT OF TRENCH EXPOSURE NORTH	
	19	7-26-72	"	Sq.4 WEST WALL VERT. PROFILE (54")	
	20 & 21	"	"	Sq.5 WEST WALL VERT. PROFILE (54")	
	22	"	"	Sq.4 WEST WALL VERT PROFILE (54")	
	23	7-27-72	"	Sq.3 PARTIAL SHOT AT 100" IN NE CORNER	
	24	7-28-72	"	EXTENSION TRENCH VERT. PROFILE - WEST WALL (South 1/3)	
	25	"	"	" (Middle 1/3)	
	26	"	"	" (North 1/3)	
	27	"	"	SHOT OF PEOPLE WORKING FROM THE NORTH	
	28	7-31-72	"	Sq.3 WEST WALL VERT. PROFILE (120")	
	29	"	"	Sq.2 WEST WALL VERT PROFILE (108")	
	30	"	"	Sq.2 EAST WALL VERT PROFILE (108")	
	31			Sq.3 EAST WALL VERT. PROFILE (120")	

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
2	32	8/1/72	23BN1	SQ. 3 SOUTH WALL (54-120") STERILE LOESS	
	33	8/1/72	23BN1	SQ. 3 SOUTH WALL (54-120") STERILE LOESS	
	34	8/1/72	23BN1	SQ. 2 EAST WALL (108") "PIT"	
	35	8/1/72	23BN1	SQ. 2 EAST WALL (108") "PIT"	
	36	"	"	SQ. 14 (TOP OF R.F.) HORIZ. PROFILE SOUTH WALL	
	3	"	"	SHOT OF TRENCH LOOKING SOUTH	
	142	"	"	SQ. 14 (TOP OF R.F.) HORIZ. PROFILE SOUTH WALL	
	3	"	"	EXTENSION TRENCH VERT PROFILE WEST WALL (SOUTH 1/3)	
	4	"	"	" (MIDDLE 1/3)	
	5	"	"	" (NORTH 1/3)	
	647	"	"	SQ. 13 (TOP OF R.F.) HORIZ. PROFILE NORTH WALL	
	8-10	"	"	GENERAL SHOTS OF TRENCH	
	1142	8-2-72	"	SQ. 5 (54") HORIZ. PROFILE EAST WALL STERILE LEVEL	
	13414	"	"	SQ. 4 (54") HORIZ. PROFILE EAST WALL STERILE LEVEL	
	15416			SQ. 1 (99") HORIZ. PROFILE EAST WALL STERILE LEVEL	
	17418	"	"	SQ. 2 (108") HORIZ. PROFILE EAST WALL STERILE LEVEL	
	19420	"	"	SQ. 3 () HORIZ. PROFILE EAST WALL STERILE LEVEL	

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
3	21	8-2-72	236N-1	WATER SCREENING	
	22	"	"	Square 16	
	23	"	"	" 15	
	24 & 25	"	"	Sq. 14 TOP OF DTZ HORIZ PROFILE SOUTH WALL	
	26	"	"	ELEVATED SHOT OF SITE AND TRENCH FROM NORTH	
	27	"	"	ELEVATED TELEPHOTO SHOT OF TRENCH FROM THE NORTH	
	28	"	"	ELEVATED TELEPHOTO SHOT OF WATER SCREENING	
	29 & 30	"	"	Sq. 13 TOP OF DTZ - HORIZ. PROFILE NORTH WALL	
	31 & 32	"	"	SHOT OF Sq. 13 & 14 FROM EAST (TOP OF DTZ)	
	33 & 34	8-3-72	"	Sq. 13 & 14 TOP OF M2 WEST WALL	
	35 & 36	"	"	Sq. 14 TOP OF M2 SOUTH WALL	
	37	"	"	Sq. 13 TOP OF M2 NORTH WALL	
4	1	"	"	"	
	2 & 3	"	"	Sq. 15 36" NORTH WALL VERT. PROFILE	
	4 & 5	"	"	Sq. 15 36" EAST WALL VERT. PROFILE	
	6 & 7	"	"	" SOUTH WALL	
	8 & 9	8-4-72	"	" WEST WALL	

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
41	10	8-4-72	230N1	PART OF PUMICE PIPE FROM SQ. 13 M. 2.1	
	11 & 12	"	"	Sq. 14 TOP OF M. 2.2 HORZ. PROFILE	
	14	"	"	Sq. 8	
	14 & 15	"	"	Sq. 16, 36" VERT PROFILE, NORTH WALL	
	16 & 17	"	"	" WEST WALL	
	18 & 19	"	"	" SOUTH WALL	
	20 & 21	"	"	" EAST WALL	
	22	8-7-72	"	SHOT OF TRENCH FROM NORTH	
	23	8-8-72	"	SHOT OF SITE FROM NORTH	
	24	"	"	SHOT OF SITE FROM SOUTH	
	25 & 26	"	"	Sq. 14 HORZ. Profile South wall, Bottom of MIDDEN ZONE (STABLE)	
	27 & 28	"	"	Sq. 14 VERT. Profile, South wall	
	29 & 30	8-9-72	"	Sq. 14 VERT PROFILE, WEST WALL	
	31 & 32	"	"	SHOT OF TRENCH AND PEOPLE WORKING FROM THE SOUTH	
	33	"	"	SHOT OF M. 2.2 SHOWING IN SQ. 13	
	34	"	"	SHOT OF TRENCH AND WORKERS FROM NW	
	35	"	"	SHOT OF TRENCH FROM NORTH	

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Film Number	Frame Number	Date	Site Number	Subject	f-Stop/Speed
4	36	8-9-72	23BN1	CATALOGING AND RECORDING - FROM NORTH S.E. 1/4	
5	142	"	"	Sq. 8 VERT. PROFILE, TOP OF M21-7 EAST WALL	
	314	"	"	Sq. 8 VERT. PROFILE, EAST WALL BOTTOM - STERILE (M21-4)	
	546	8-10-72	"	SLOTS OF PEOPLE WORKING (BY M. Ruppert)	
	7-17	"	"	Sq. 8 VERT. PROFILE, SOUTH WALL BOTTOM - STERILE	
	18419	"	"	" NORTH WALL	
	20421	"	"	"	
	22123	"	"	SHOT OF ARTIFACTS ABOVE S FROM 1966 EXH. AT KINGS HILL	
	24425	8-11-72	"	Sq. 1E VERT. PROFILE, EAST WALL	
	26127	"	"	Sq. 8 HORIZ. PROFILE, FLOOR - STERILE	
	28	"	"	TRENCH AND PEOPLE AT WORK FROM NORTH SOUTH	
	30431	"	"	Sq. 13 VERT. PROFILE, WEST WALL LEVEL - STERILE EXCEPT FOR NW CORNER	
	29	"	"	DON REYNOLDS	
	32433	"	"	Sq. 13 HORIZ. PROFILE, FLOOR - STERILE (EXCEPT NW CORNER)	
	34435	"	"	PUBLIC RELATIONS	
	36	"	"	Sq. 13 HORIZ. PROFILE, FLOOR - STERILE	
6	1	"	"	"	

[illegible]