

# The Bulletin

Number 40      July 1967

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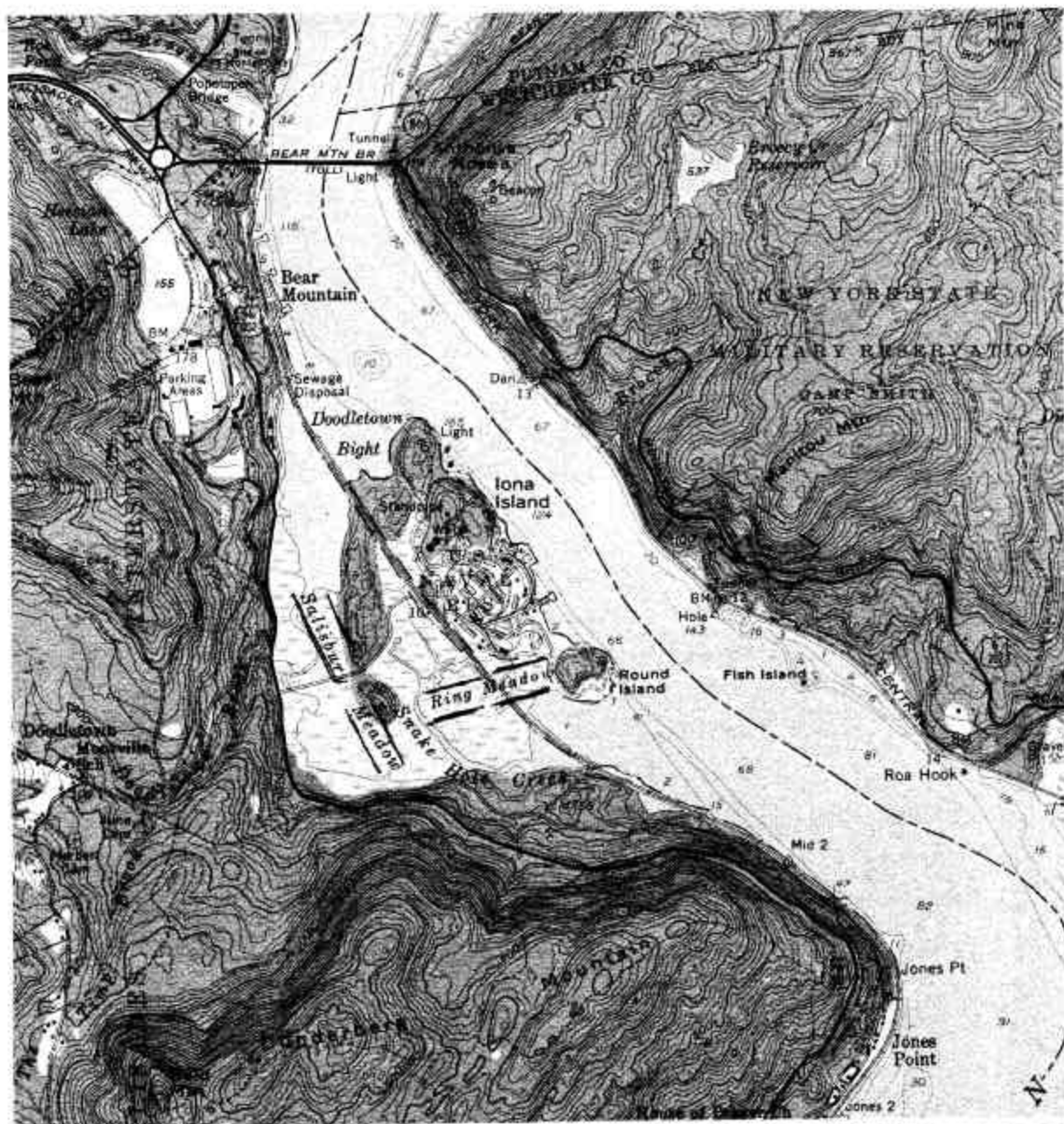


# THE BULLETIN

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THE NEW YORK STATE ARCHEOLOGICAL ASSOCIATION

## LATE PLEISTOCENE HISTORY OF THE LOWER HUDSON RIVER ESTUARY

Walter S. Newman

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My collaborators, David Thurber, Lloyd Burckle (Lamont Geological Observatory) and Harvey Zeiss (an undergraduate), and myself are continuing our investigation of the Quaternary sediments in two marshes at the southern end of the Hudson Highland Gorge adjacent to Iona Island (about a mile south of the Bear Mountain Bridge). Thanks to the cooperation of the New York State Department of Public Works, who last fall completed a boring program on and around the island, we now have excellent sections in the vicinity of the island. We are completing a micropaleontological analysis of one of the borings in Salisbury Meadow which occupies a "meander-scar"-like bedrock channel (Thompson, 1936) whose thalweg is about 98 ft. below mean high water. This boring commences about one foot below mean high water, penetrates 93 ft. of organic silt, then 4 ft. of sand and terminates 10 ft. into bedrock. Bits of wood in the sand at and just below the organic silt-sand interface have been dated by David Thurber at the Lamont Geological Observatory at  $12,500 \pm 600$  years B.P. (L-1141). This is a revision of the date I discussed at the recent meeting of the Northwest Section of the Geological Society of America which I gave as  $13,600 \pm 600$ .

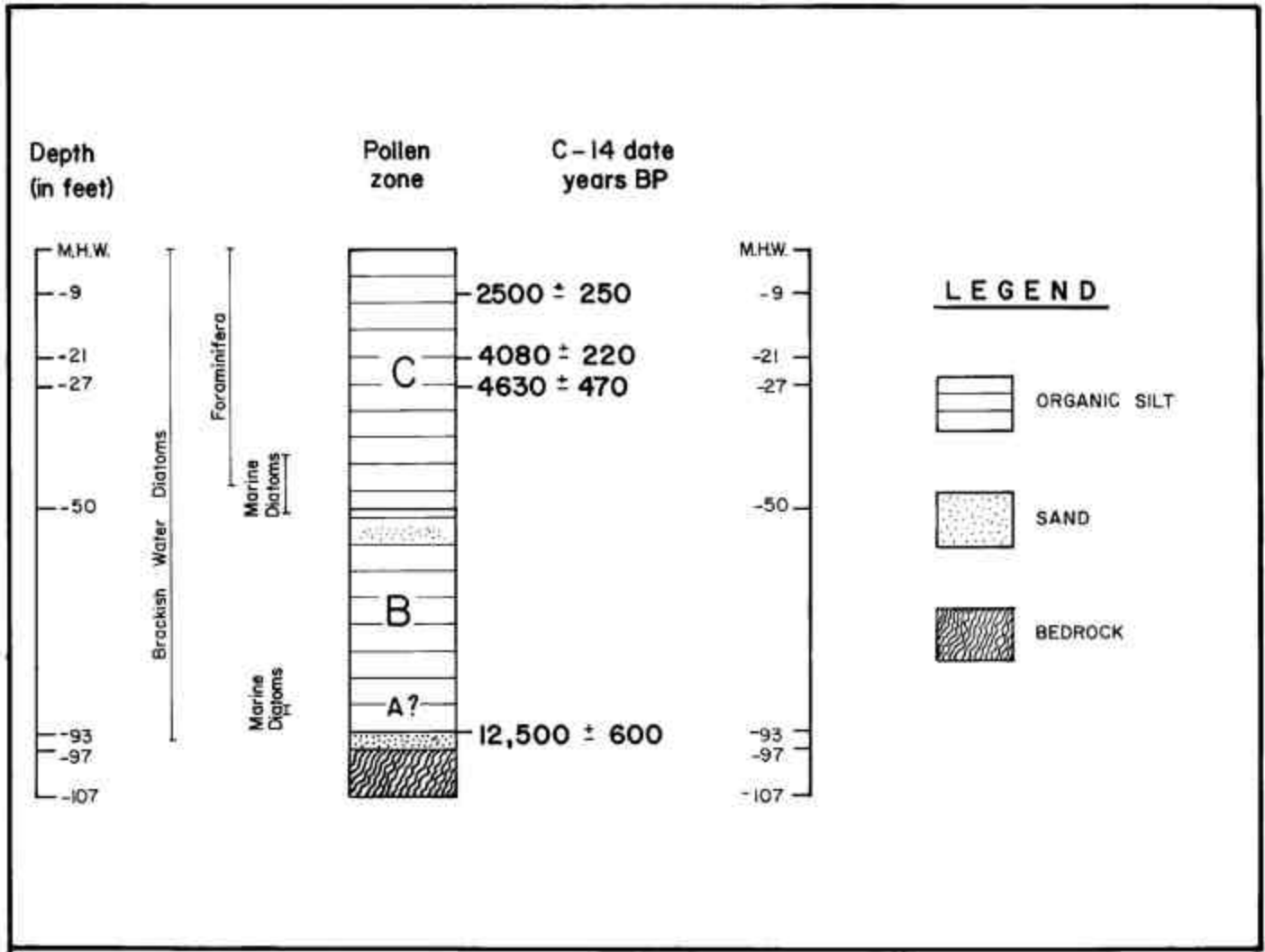
Investigation of the core samples for Foraminifera disclosed *Trochammina* sp. to a depth of about 45 ft., the remainder of the core being devoid of forams. Lloyd Burckle's diatom analysis found brackish water forms throughout the length of the organic silt, with some marine diatoms encountered at the 40, 45, 50 and 90 ft. levels, suggesting that this sector of the Hudson River has been an estuary during the past 12,500 years. The culmination of foraminiferal numbers (5) at the 40 ft.-level coupled with the incursion of marine diatoms indicates somewhat higher salinities than are obtained at this locale at the present time.

Harvey Zeiss and myself have been working up the pollen and spores. The top 10 samples to a depth of 50 ft. seem clear-cut and are clearly divisible into Deevey's C-3, C-2, and C-1 subzones. The sample from the 55 ft. level is quite sandy. We are troubled by the samples from the lower portion of the organic silt. Starting from the bottom at about 95 ft. up to the 65 ft. level, the pollen runs about 75% pine and 15% oak. Spruce and fir are minor constituents, as are alder and birch. If these levels represent the B Zone, then the C-14 date should be about 2000 years younger (which, it seems to me, would be a more reasonable date from a sea level point of view). However, the 60 and 65 ft. levels are running about 40% Compositae (heliophiles!) that are incompatible with forests. Then, do the pine and oak pollen of the lower levels represent exotic forms blown in through a long distance transport mechanism?

If the date is valid, it suggests that the Lake Albany episode terminated prior to about 12,000 years B.P. Furthermore, if both our Throgs Neck date (L-606A,  $11,950 \pm 200$  years B.P.) and the Salisbury Meadow dates are valid sea level indicators (they are 35 miles apart), then about 75% of postglacial isostatic rebound (about 2.2 feet/mile as measured by Reeds (1933)) had already occurred by 12,500 years B.P.

A *Crassostrea virginica* valve from the lower midden at Montrose Point (a stratified shell midden divided by a soil horizon some 44 miles up the estuary from the Narrows) is being dated by Thurber and is coming in at about 5100 years B.P. The site, located by Louis Brennan, Sigfus Olafson and Mauck Brammer of the New York State Archeological Association, records a time when the salinity of the estuary was higher than it is today and appears to confirm the reality of the *thermal maximum*.

COVER MAP: Section of Peekskill Quadrangle, USGS, showing Salisbury Meadow and Ring Meadow (see Newman, NYSAA Bulletin No. 39). Montrose Point is about 4 mi. southeast.



Composite of Borings in Ring Meadow and Salisbury Meadows, adjacent to Iona Island.

## THE DENHAM SITE (Glf 21-1)

Paul L. Weinman  
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Auringer-Seelye Chapter  
Auringer-Seelye Chapter

The Denham site is a small, stratified site situated on the property of Frederick Denham on the west side of Lake George, New York. It is in a shallow, south-facing cove that is formed by the eastward projection of Cramer Point. The site is 4 ft. above a sandy beach and is backed by a very steep rise that leads to Route 9N. Directly across the lake, two miles to the east, are the Weinman (Funk, Weinman, and Weinman 1965) and Knox (Weinman 1965) sites. Five miles to the north on the west side of the lake is the Finley site (Weinman, 1965). All of these sites are culturally and stratigraphically similar.

During the fall of 1965, with the generous permission of Mr. Denham, the present writers stripped back part of the lawn of the owner's summer home and excavated 11 five-foot squares. Two culturally occupied levels were found.

Stratum I was a dark, sandy topsoil that measured from 8 to 14 in. in thickness, narrowing from the shoreline toward the back of the site. This zone contained a sparse late Middle Woodland occupation that pertains to the Burnt Hill phase, first described at the Weinman site (Funk, Weinman, and Weinman 1965). Projectile points included 9 Levanna, 1 untyped thin side-notched, and 1 Orient Fishtail-like type. The Orient Fishtail-like point must be considered an admixture from an earlier occupation. Other artifacts recovered from this layer were: 5 flake knives, 5 retouched flake scrapers, 3 plano-convex end scrapers, 1 side scraper, 2 straight drills, 1 combination straight drill-scraper, 1 flint core, 1 pebble hammerstone, 1 anvilstone, and various unidentifiable pieces of worked flint. Pottery was surprisingly scarce; only a single cordmarked sherd and several unmarked sherds were found.

The Burnt Hill phase of the Lake George region has mainly been defined from the pottery types. These show some similarities and differences in relation to pottery types found in Central New York (Ritchie and MacNeish 1949) and those of the Four Mile phase in the Central Hudson Valley (Funk, Ms.). Decorative techniques of the Burnt Hill pottery include: "... rocker-dentate, dentate, corded-stick and pseudo-scallop-shell-like stamping on small to medium-sized vessels with straight or slightly flaring rims, flat, thickened, or rounded lips, and elongated bodies with subconoidal bases. Other pottery elements include vertically-corded, punctate, incised, or complex decoration, appliqué collars, and scalloped or incipiently castellated rims." (Funk 1966)

Since only a single cordmarked sherd was found at Denham, comparisons cannot rest on ceramics.

The principal differences from Burnt Hill are the absence at Denham's of Jack's Reef Pentagonal and Jack's Reef Corner-notched points, both present at the Weinman site. Steubenville points, found at Weinman's but not at Denham's, may not be of Late Middle Woodland provenience and are not attributed to the Burnt Hill phase.

Stratum II was a reddish sand containing a meager sample of early Late Archaic materials, probably of the Sylvan Lake complex (Funk 1965). This layer was from 3 to 7" thick, narrowing from the back toward the shoreline, the reverse of the trend observed for Stratum I. Projectile points recovered were a single Bare Island and an untyped expanded stem point similar to several found at the Sylvan Lake Rock Shelter (Funk 1965) and the Weinman site. Other artifacts were: 2 massive end scrapers, 1 flake knife, 1 anvil stone, 1 ovate knife, and several worked flint fragments.

Stratum III was a tan, gravelly, postglacial sand that was generally 1' in thickness and graduated into a white-tan clay (Stratum IV). No artifacts were found within these zones.

## REFERENCES

Funk, Robert E.

- 1965 The Sylvan Lake Rock Shelter (C10 2) and Its Contribution to Knowledge of the Archaic Stage in Eastern New York: Brief Report. The New York State Archeological Association, *Bulletin*, No. 33. Rochester.

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Ms. Middle Woodland Manifestations of the Central Hudson Valley. ,  
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- 1965 A Stratified Site at Lake George. *Pennsylvania Archaeologist*, Vol. 35, No. 1, Gettysburg.

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- 1966 The Burnt Hill Phase: Regional Middle Woodland at Lake George, New York. The New York State Archeological Association, *Bulletin*, No. 37. Rochester. Ritchie, William A. and R. S. MacNeish

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- 1949 Pre-Iroquoian Pottery of New York State. *American Antiquity*, Vol. 15, No. 2. Menasha.

Weinman, Paul L.

- 1965 Two Small Stratified Sites on Lake George. The New York State Archeological Association, *Bulletin*, No. 34. Rochester.

## RESOLUTION

At the Executive Committee meeting of the New York State Archeological Association at Saratoga Springs, New York, on April 30, 1967 the following resolution was passed:

WHEREAS the New York State Archeological Association currently expresses deep concern over the continuing destruction of archeological sites as a result of highway construction: Therefore be it

RESOLVED, that the New York State Archeological Association take steps to contact as many individuals and institutions as possible for the purpose of gaining information and cooperation which will help alleviate this problem.

Prepared by Charles F. Hayes III  
President, N.Y.S.A.A.

ADDITIONAL DATA ON HISTORIC BURIALS AT THE BOUGHTON HILL SITE (Can 2-2),  
VICTOR TOWNSHIP, ONTARIO COUNTY, NEW YORK

Albert J. Hoffman

Morgan Chapter

The site dates approximately at A.D. 1670-1687 and was one of the larger of the Seneca Villages destroyed by the Governor of New France, the Marquis de Denonville, in 1687. The first report on miscellaneous burials recorded by Morgan Chapter members and the Rochester Museum was entitled, "Historic Burials at the Boughton Hill Site (Can 2-2), Victor Township, Ontario County, New York," and was compiled by Alice Wood of Morgan Chapter. See *The Bulletin* No. 32, NYSAA, pp. 6-16, November 1964. Mrs. Wood has also compiled the data for this second report.

TABLE I. Condensed Record of Burials at Boughton Hill

Green Site: August 1953 and October 1965

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #1	3'9" d. 28"x3'8"				1 Adult	Iron knife & draw shave	Bones "gone." Charcoal.
Grave #2	3'5" d. 2' x 3'	S	W	R	1 Child 3-7 yrs.	4 catlinite beads, 1 human (?effigy) bead, 300 round black beads	Flexed, bones nearly gone, Charcoal
Grave #3	36" d. 28" x 40"				Adult	Small red beads mixed through soil near bottom.	No bones. Charcoal & large humus layers present. Grave disturbed.
Grave #4	2'4" d. 18" x 3'	N	W	L	1 Child 3-5 yrs.	1 iron woodworking knife; small brass kettle, 6" diam. x 5" high, containing cake. Blanket underneath, bark lining.	Some charcoal & humus.
Grave #5	4' d. 73" x 2'				Adult 60-70 yrs.	2 gunflints, sections of iron.	Charcoal & large quantities of humus.
Grave #6	4-5' d. 2' x 5'		W		Adult Female 40-60 yrs.	1 bangle & 2 brass jews harps.	Bones nearly gone, large chunk of charcoal
Grave #7	48" d. 24" x 29"	?N	E		Adult		Some charcoal & humus.
Grave #8 Oct. '56	4'6" d. 2' x 6'		W		Adult 50-60 yrs.	1 short sword.	Quantities of charcoal present, some humus. Extended, face up. Body had been on a pyre or large stick stretched over burial area. "As body burned," it fell into grave & was smothered, thus leaving large sections of wood & charcoal. Possibly non-Indian.

TABLE II. Condensed Record of Burials at Boughton Hill

Green Site: July and August, 1954

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #1	16" d. 44" x 32"	W	N	R	Adult 21-24 yrs.	Brass kettle, 7"x3-1/2" high, 5" in front of face. Wooden ladle. Beaver hair(?) cake. Bark lining.	Flexed, hands under chin. Sandy clay, dark humus on top. Charcoal
Grave #2	43" d. 3' diam.	E	S	R	Child 5-11 yrs.	Brass kettle, 7" diam., 4-1/2" high, containing 1,047 small round red beads, seed cake, comb, brass bell & wooden ladle, 382 red seed beads.	Flexed, charcoal flecks. Kettle 4" behind skull.
Grave #3	42" d.		W		Adult	Brass kettle at neck containing berry seeds, corn husk & other organic material. Wooden ladle. Short string of large round red beads around neck. Iron pot hook. Bear fur under kettle. Bark lining.	Flexed, little humus.
Grave #4	21" d. 26" x 32"		W		Adult 20-25 yrs.	3 knives back of head, iron ax at feet.	Flexed, charcoal flecks.
Grave #5	40" d. ?26"x45"				Adult	Large brass kettle at feet containing large gourd ladle. Large piece of blanket under kettle.	Flexed, skull missing, remaining bones in poor condition. Much humus.
Grave #6	54" d. 25" x 36"	S	W	R	Male 40-45 yrs.	Human female effigy pipe, ring bowl pipe at feet. Several large round red beads.	Some charcoal. Undisturbed.
Grave #7	24" d. 25" x 36"				Adult	Pottery jar. Half of notched edge or rim of pot.	Disturbed. Some charcoal.
Grave #8	42" d. 63" x 23"		W		Male 40-45 yrs.	3 knives, 1 iron ax.	Extended on back, face up. Charcoal & humus present.
Grave #9	40" d. 26" x 37"				Adult		Disturbed, some charcoal.
Grave #10	2' d. 3'5"				Adult	Sections of pottery, iron knife.	Disturbed, some charcoal.
Grave #11	3' d. ?3' x 4"	E	S	R	Child 5-9 yrs.	Iron knife.	Flexed, hands before face.

TABLE II (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #12	3' d. 2' x 3'		W		Adult	1 iron knife.	Disturbed, quantities of charcoal.
Grave #13	34" d. 40" x 36"	NW	SW	L	Adult 30-40 yrs.	Iron knife, bear teeth.	Some charcoal.
Grave #14	38" d. 13" x 2'	S	W	R	Male 40-50 yrs.	3 brass kettles: 1st 2 were 10"x11", diam., 8" high—one on top of other over feet of burial; both empty & upside down. Smaller kettle, 5" diam. 3-1/2" high, right side up between knees & face. Bark lining.	Loosely flexed, upper portion of burial disturbed.
Grave #15	44" d. 44" x 45"	S(A) & N(B)	W (A& B)	R(A) & L(B)	Adult Female(A) & child 4-6 yrs. (B)	44 round red & 35 round black & white striped beads "around neck." Several thousand blue seed beads in clump before head. 2 brass kettles, 8"x5" & 7"x3" high, at hips of adult. Several musket balls around 50(?) caliber, knife blade. Iron ax at feet of adult. Kettle contained small ladle, seed cake & chestnuts. Brass kettle 8" diam. 5" high. Wooden ladle, bone comb piece, iron knife. Bark lining.	Double burial, child & adult facing each other. Small chunks of charcoal.
Grave #16	24" d. 3' diam.		W		Adult 30-35 yrs.	Brass kettle 8" diam. 5" high. Wooden ladle, bone comb piece, iron knife. Bark lining.	Disturbed.
Grave #17	37" d. 40" x 29"	E	S	R	Adult 30-36 yrs.	Bear hair, blanket, small sections of brass. "Lots" of bark.	Loosely flexed, hands before face. Quantities of charcoal.
Grave #18	30" d. 24" x 36"		W	R	Adult	2 sections pottery outside rim notched, sections flint, 1 gun flint, section iron knife.	Closely flexed, disturbed, Charcoal.

NOTE: This includes 7 burials dug by RMAS, 1934, W. Ritchie, K. Orr, J. Bailey, S. Fisher & A. Hoffman. 1 other burial found s. of fence near middle of field, 1934, by writer (L.B.). See Table III, NYSAA Bull., Nov. '64.

TABLE III. Condensed Record of Burials at Boughton Hill

Green Site: August 1-13, 1954

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #1	37" d. 45" x 28"	N	W	L	Male, 60-80 yrs.	Brass kettle 12" x 5" (before face) contained large brass arrow point. Sections of buckskin, scissors, 2 ring bowl pipes, 2 whet stones, 1 iron knife behind skull, 1 effigy pipe, 2 iron knives, 1 flint arrow point, 1 bundle brass points, 1 gun flint, 3 bear teeth, 1 strike-a-light. 1 iron ax back of hips, 1 section iron, 1 whet stone at feet, 1 iron carving tool in kettle. Bark lining.	Loosely flexed, hands under chin before face. Big chunks of charcoal. (Photo)
Grave #2	18" d. 20" x 17"	NW	SW	L	Child 1-1/2-2 yrs.	2 brass kettles, a) diam. 6", 3" high, b) diam. 3", 2" high. Contained 3 gourds, small turtle(?) rattle, seed cake, sections brass rattle, 1 large round black bead, with white stripe, 4 long red glass beads. 55 round black with white round red, 1 hawk bell. Bark bottom. Knife in grave bottom.	Flexed.
Grave #3	42" d. 3'		W		Adult		Charcoal.
Grave #4	43" d. 48" x 20"		W		Male 50-60 yrs.	Gun barrel, kaolin pipe, 1 lead ball, scissors, knife, blanket, brass kettle 8" diam., 5" high, 1 iron ax. Bark.	Extended on back with hands at sides. Charcoal & humus present.
Grave #5	19" d. 21" x 15"	N	W	L?	Child 2-3 yrs.	Brass kettle 5-1/2 x 3" containing a smaller kettle 3" x 2" which in turn contained a "crockery" drinking cup of 2" diam. & 3" high. 1 iron knife, 1 pr. scissors, 1 hawk bell, 7 plum	Flexed, charcoal present.

TABLE III (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #5 (continued)						pits, 5 brass French coins (1637-1658), seed cake, 54 blue round, red round beads, blanket. Bark lining.	
Grave #6	22" d. 17" x 2'	N	W	L	Child 7-9 yrs.	Brass kettle, 5" diam. & 3" high, between arms & knees. Iron knife, blanket sections. Bark lining.	Flexed, charcoal present.
Grave #7	19" d. 21" x 34"	NE	SW	L	Male 30-35 yrs.	Brass kettle 5" diam. & 3" high, right side up on knees--patellae in kettle bottom, also iron knife. Iron knife & human face effigy pipe 3" before skull. String of blue & white round beads.	Closely flexed, hands before face. Charcoal present.
Grave #8	40" d. 45" x 3'	NW	W	L	Female 30-35 yrs.	2 iron knives at knees, section blanket, small (5" diam.) decomposed brass kettle, section ladle. Bark lining.	Closely flexed, quantities of charcoal.
Grave #9	30" d. 40" x 27"	NW	SW	L	Male 60-70 yrs.	2 gun side-plates, 1 iron knife, 2 nails, 1 human figure effigy pipe (broken).	Closely flexed, hands before face. Charcoal.
Grave #10	36" d. 5' x 24"		W		Male 40-50 yrs.	Barrel-shaped beads, blue, 1 with green & red stripes near neck. Gun barrel section above body nearly at surface. Iron tomahawk & woodworking tool above feet.	Extended on back, hands at sides. Quantities of charcoal.
Grave #11	3' d. 28" x 20"	N	W	L	Child 4-6 yrs.	Brass kettle, 6" diam. & 3-1/2" high, containing wooden ladle, seed cake & squirrel bones. Ring bowl & stem pipe, pewter pipe-stem. 3 knives, 2 iron bracelets, 5 brass coils, 1 brass bracelet, 2 hawk bells, sunflower seeds, deer hair, 2 spiral ear ornaments.	Flexed, charcoal and humus present.

TABLE III (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #11 (continued)						2 brass coils (ear ornaments), 5 large shell beads, numerous wampum, red round & white seed beads, black round. Scissors, red ochre & red paints, 2 paint stones. Section human skin.	
Grave #12	44" d. 33"	S	W	R	Adult	Ring bowl pipe, sections bear hair, iron (?) ball or bark, sections of mirror. Pipe bowl in w. center, stem in n.w. corner.	Quantities of charcoal.
Graves #13-18 are missing from the notes.							
Grave #19	28" d. 28" x 46"	S	W	R	Adult 70 yrs., senile	Small ring bowl pipe 5" in front of skull. Iron ax standing upright next to pipe.	Loosely flexed, hands before face. Quantities of charcoal & humus.
NOTE: The following burials were dug between Sept. 3 and Nov. 6 of 1954.							
Grave #20	14" d. 2' x 3'	S	E	L	Child 12-15 yrs.	Brass horn-of-plenty pipe, 1 iron awl, 1 iron knife, fragments of graphite, red hematite & red stone, pottery fragments.	Loosely flexed, hands before face.
Grave #21	34" d. 48" x 32"	N	W	L	Female 30-40 yrs.	Brass kettle 10" diam. & 6" high, between knees on forearms, contained antler comb, pumpkin dish, mandrakes or wild (May) apples, fragment cloth, wooden ladle. 2" before face were 3 brass rings, 1 brass bracelet (single), 2 plum pits, fragment of shell runtee, 3 shell beads, several fossils. Oak bark bottom.	Loosely flexed, hands before face. Quantities of charcoal. Notes read: "Individual died in mandrake season July or Aug."

TABLE III (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #22	30" d. 2' x 3'				Adult		Charcoal present intermixed with light grey sand & clay. Disturbed.
Grave #23	50" d. 48" x 28"	NW	W	L	Female 25-35 yrs.	Brass kettle diam. 7" & 3-1/2" high between knees & both fore-arms, contained seed cake, sunflower seeds--blanket & bark beneath. Knife at L. hip, iron ax 1'3" behind skull. Brass rattle in red blanket in hands. Numerous wampum from wrists (2/3 of both arms) to elbows. 12 long shell beads back of neck "probably in hair." Iron awl & 72 round red beads around neck, also some wampum.	Loosely flexed, hands before face. Charcoal. Bones in good condition, "best burial found on this cemetery."
Grave #24	30" d. 3' x 2'				Child	-	-
Grave #25	32" d. 30" x 35"				Adult 30-35 yrs.	Small iron adze in grave fill near bottom.	Disturbed. Charcoal.
Grave #26	42" d. 70" x 23"		W		Adult Male	Human face effigy pipe, 1 pr. scissors, 4 woodworking knives (curved blades), 1 large iron harpoon, 1 whetstone.	Extended burial, face up. Quantities of charcoal, humus above burial.
Grave #27	3' d. 4' x 4'				Adult	Iron knife, 1 round black bead. Large strips of bark in bottom.	Extended. Quantities of charcoal. Humus over grave.
Grave #28	4' d. 72" x 36"				Adult	Pipe bowl (plain trumpet) painted red on bottom.	Extended, quantities of charcoal. Humus over grave.

TABLE IV. Condensed Record of Burials at Boughton Hill

Green Site: October, 1954

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #1	36" d. 30" x 51"				Child 7-9 yrs. Female 30-35 yrs.	Fragment brass kettle, blanket, iron knife with bone handle, iron ax.	Double burial, disturbed. Charcoal & humus.
Grave #2	40" d. 4' x 28"	S(A)	W(A)	R(A)	Child (A) 9-11 yrs. Adult (B) 30-40 yrs.	Round bottomed brass kettle (Susquehanna R. Valley type) 7" x 6-1/2" contained smaller (5-1/2" x 2-3/4") kettle which held cake. 616 round red beads, 1 Jesuit ring, 1 ring with setting, antler pitching pin, 1 coin with hole in top, 2 paint stones, small (3/4" diam.) brass kettle, 1 large black & white disc bead, 1 bone-handled knife, 1 decorated bone-handled knife, 1 trumpet pipe, 15 long shell beads, 1 large square shell bead, fragment runtee, fragment lead. Large quantity round red beads, pkg. brass pins, brass-beaded dress, collar & suspenders. Buckskin bag with red paint.	Double burial, child flexed, hands before face. Adult bundle burial 27" long, 15" wide, 12" thick. Charcoal & dark humus present. See Grave 7B, p. 15. NYSAA Bulletin No. 32, Nov. 1964.
Grave #3	40" d. 28" x 40"				Adult 50-60 yrs.	Kaolin pipe.	Disturbed, charcoal & humus present.
Grave #4	48" d. 37" x 60"				Adult	Brass kettle 10" x 7", red paint, iron nail.	Disturbed, bones broken & mixed with fill. Charcoal & humus present.
Grave #5	28" d. 24" x 3'		W				Disturbed, bones broken & mixed with fill. Charcoal & humus present.
Grave #6	30" d. 3' x 4'				Female(?)	Iron knife, antler comb with human figure.	Disturbed. Charcoal & humus present.

TABLE IV (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #7	40" d. 34" x 38"				Adult		Bones mixed with grave fill, some missing. Charcoal.
Grave #8	2-1/2' d. 2' x 3'				Adult		Bones mixed with grave fill, some missing. Charcoal.
Grave #9	40" d. 3' x 49"				Adult		Bones mixed with grave fill. Charcoal.
Grave #10	30" d. 3' x 40"				Adult		Bones mixed with grave fill, some missing. Charcoal.
Grave #11	30" d. 3' x 44"				Adult		Bone fragments mixed with grave fill. Charcoal.
Grave #12	30" d. 2' x 3'				Adult		Charcoal.
Grave #13	3' d. 4' x 3'				Adult		Bone fragments mixed with grave fill. Charcoal.
Grave #14	3' d. 30" x 40"				Adult	Pipe stem, bear tusk, iron knife, fragments of deer hair & brass kettle.	Parts of burial mixed with dark humus at bottom of grave. Charcoal.
Grave #15	32" d. 30" x 3'				Adult		Disturbed. Charcoal.
Grave #16	3' d. 3' x 28"				Adult	Brass kettle.	Bones scattered in grave fill. Charcoal.
Grave #17	34" d. 3' x 3'				Adult	Iron ax.	Bones scattered in fill. Charcoal.
Grave #18	35" d. 2' x 5'		W		Adult	Pouch at L. side of feet contained 30 round red-brown & black beads. Whetstone, red vermilion, fragment of comb found at head of grave. Catlinite tube bead.	Extended, face up. Burial had been dug previously to leg bones, which were in place. Charcoal and very dark humus.
Grave #19	25' d. 24" x 30"	N	W	L	Male 30-40 yrs.	At feet, gunflint & 6 or 8 lead balls. Iron tomahawk, 3 knives, 2 chisels, 1 awl, 4 bear teeth, 2 pitching tools, slate tablet 1/4" thick, 3-1/2" x 2" wide, graphite, scissors, tweezers, iron digging	Very tightly flexed, hands & knees at face. Charcoal & quantities of dark soft humus.

TABLE IV (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #19 (continued)						tool & 2 whetstones. 1 pr. scissors, at L. scapula. Strike-a-light & 2 trigger guards.	
Grave #20	28" d. 28" x 30"	N(?)		L	Adult		Bones broken, scattered in grave fill. Charcoal & humus. Flexed "at one time." Charcoal & humus mixed with grave fill. Charcoal.
Grave #21	25" d. 45" x 24"				Adult		
Grave #22	31" d. 23" x 41"				Adult		
Grave #23	3' d. 2' x 40"				Adult		Disturbed. Bones & humus mixed with grave fill. Charcoal. Bones broken & mixed with grave fill. Charcoal & humus present.
Grave #24	40" d. 45" x 3'				Adult		
Grave #25	6' d. 4' x 4'				Females (?) 50-60 & 20-30 yrs.	Heron comb, pewter cup, 1 red bead, iron ax, 2 knives, 1 awl, 2 "mullen berry" seeds, red paint.	Double burial, bones broken & scattered. Quantities of charcoal. Humus & refuse mixed at grave top. Double burial, bones broken up. Charcoal & humus mixed with grave fill.
Grave #26	3' d. 4'6" x 3'				Adult 40-50 yrs. Child 10-16 yrs.	Iron knife with "good" bone handle, red paint, gun hammer, fragment of pipe stem. Wampum beads scattered in grave fill.	
Grave #27	3' d. 2-1/2' x 4'			L?	Adult	Scissors, iron tomahawk, small short sword at knees. Iron pyrites.	"Originally" flexed. Charcoal. Humus in 3" layer at E. end of grave. Humus & broken bones mixed with grave fill. Charcoal. Bones broken up. Charcoal.
Grave #28	3' d. 2' x 3'				Adult		Bones broken & mixed with grave fill & humus. Charcoal.
Grave #29	2-1/2' d. 3' x 3'				Adult		
Grave #30	2-1/2' d. 3' x 4'				Adult		

TABLE IV (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #31	3' d. 3' x 3'				Adult		Charcoal & humus mixed with sandy clay.
Grave #32	3' d. 3' x 4'				Adult		Charcoal & humus mixed with sandy clay.
Grave #33	3'5" d. 3' x 4'				Adult	1 iron knife, 1 iron nail.	Bones broken up.
Grave #34	3' d. 3' x 4'				Adult		Bones broken up, charcoal & humus present.
Grave #35	2-1/2' d. 3' x 3'				Adult		Bones broken, charcoal & humus mixed.
Grave #36	3' d. 3' x 3'				Adult		Charcoal & humus mixed with soil.
Grave #37	3' d. 3' x 4'				Adult		Bones broken up, charcoal & humus mixed with soil.
Grave #38 (4-5-58)	30" d. 3' x 2'				Child 10-13 yrs.		Humus & charcoal mixed with sandy clay. Epiphyseal caps loose on bones.
Grave #39 (4-13-58)	2' d. 2'	E	N	L	Child 11-13 yrs.	3 pieces hematite, red ochre scattered in grave fill, 1 fragment dark flint, 41 round red beads.	Flexed. Charcoal present & dark humus on top of grave.

TABLE V. Condensed Record of Burials at Boughton Hill

October 1957

Grave #1 (9-10-57)	2'5" d. 3'6"	E	N	L	Adult 55-65 yrs.	14" x 5" brass kettle on feet. 2 brass lugs, 2 patches cut brass. "Worked" ax blade. Iron celt, 1 antler tine tool, 1 iron punch, 4 knives, 4 screws from top of flint lock, 1 perforated elk tooth, 2 brass bangles, 2 wolf teeth, 4 beaver incisors, 9 bear teeth, 2	Loosely flexed. Quantities of charcoal & humus mixed with sandy clay.
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TABLE V (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #1 (continued)						flint scrapers, 1 potter's stone, 1 section gun barrel worked "for woodworking tool," 3 ring bowl pipes (1 with red paint on sides), 1 otter comb.	
Grave #2 (14-10-57)	1'6" d. 3' x 2'	N	W	R	Child 9-11 yrs.	Pottery jar, 2 lugs. At feet, small brass kettle 5-1/2" diam., 3" high, contained fragments of bark, animal bone & small wooden ladle. 65 red, 13 black, 2 blue round beads under mandible & skull. 1 red bead 1/2" long, 2 runtees, 1 iron awl. Iron ax 5" above head.	Tightly flexed. Charcoal.
Grave #3 (15-10-57)	18" d. 68" x 40"				Adult 20-25 yrs. Children 3-7, 6-9 yrs.	1 otter comb "in s. east. 1 over leg lower." 16 wampum, 28 round red, 8 round green, 40 red-white & green seed beads. Section iron knife, also section drilled turtle shell rattle.	Triple burial, feet of adult "in flexed position," bones of children mixed with those of adult. "Originally on a scaffold?"
Grave #4 (15-10-57)	27" d. 3'		S	L?	Adult 40-50 yrs.	Section scissors, knife blade & iron punch. 353 round red, black & green beads. 1 antler otter comb.	Some charcoal & humus.
Grave #5 (18-10-57)	30" d. 36"				Adult		Charcoal & very dark humus
Grave #6 (21-10-57)	26" d. 4' x 32"			R?	Adult 15-23 yrs. Children 9-12, 5-7, 3-6 yrs.	Turtle rattle section, pewter pipe. (Sketch.)	Quadruple burial. "Bones all fumbled up, looks like they were originally on a scaffold."

TABLE V (continued)

Field #	Depth and Grave Dimensions	Orientation			Approx. Age & Sex	Burial Accompaniments	Remarks
		face	skull top	side			
Grave #7 (21-10-57)	20' d. 4' x 2'	S	W	R	Adult 15-17 yrs.	1 gun lock, 3 gun hammers, 1 lock plate, 1 spring gun, 3 iron knives, 1 awl, section iron hook, 2 iron needles, 1 flint point, 1 antler effigy, 4 Jesuit rings, 1 runtee, 1 discoidal, 1 lavalier. Beads: 52 wampum, 156 round red (some round blue & barrel shaped) & long red beads, 110 round black, 7 long black "also red beads," 12 long red, 2 black, 1 large black with white stripes, 1 brass bead spacer, 110 small red, blue & black seed beads.	Originally flexed, hands, feet & 1 hip bone in place. Charcoal.
Grave #8 (21-10-57)	29' d. 4' x 3'				Adults 45-50, 60-70 yrs.	1 gun flint, 1 iron awl, 1 section gun plate, 2 beaver incisors, 1 piece cannel coal, section pipe with brass innerliner in stem, 5 bear teeth, 1 whet-stone.	Double burial, both originally flexed. Charcoal

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