West Chester State College

West Chester, Pennsylvania 19380

School of Social and Behavioral Sciences
Department of Sociology—Anthropology

215—436—2657

September 14, 1972

Dr. Elizabeth K. Ralph
Applied Science Center for Archaeology
The University Museum
The University of Pennsylvania
Philadelphia, PA

Dear Dr. Ralph:

This letter is to request your aid in conducting surface surveys (magnetometer, resistivity or both) at the Brinton Cabin Site (36-DE-54). This site occupies the area in which we believe stood the original frame house built by the first Brintons in this area, during the year 1685. After some 20 years the family built the now famous stone manor house known as the Brinton 1704 House, at present maintained by the Chester County Historical Society.

During the summer of 1971 students from West Chester State College test-trenched an area in the fields to the north of the 1704 House, but failed to locate any indications of habitation. The fields are open and largely free from femous debris as well as human intrusions, other than those trenches dug in 1971. The situation appears ideal for conducting surface surveys.

Mr. Travis Coxe, Director of the Chester County Historical Society (696-4755) has given us permission to survey this portion of the property as soon as the crops have been harvested. By the end of September the field should be available for testing.

If you could arrange to initiate such a survey we would very much appreciate the information as well as the opportunity to learn about survey techniques. Thank you very much for your continued attention in this matter.

Sincerely,

Marshall Becker

Marshall Joseph Becker X2349
Professor of Anthropology

cc: Mr. Travis Coxe

Museum Applied Science Center for Archaeology

Froelich Rainey, Director — Elizabeth K. Ralph, Associate Director

THE UNIVERSITY MUSEUM • UNIVERSITY OF PENNSYLVANIA
33rd & SPRUCE STREETS • PHILADELPHIA, PENNSYLVANIA 19104
386-7400 (Area Code 215) — Cable Address "Antique"

7 November 1972

Professor Marshall J. Becker
Department of Sociology-Anthropology
West Chester State College
West Chester, Pennsylvania 19380

Dear Professor Becker,

Here is the original and two extra copies of the contoured map resulting from our resistivity survey last Saturday.

As I've indicated on the map, the only interesting area is in the SW corner. An extension of the survey into this region further will be necessary to define the size and shape of this anomaly and determine if it might have a natural or archaeological cause.

Your students were expert in the operation of the resistivity equipment and I hope you'll be able to investigate the area further with our loaned equipment.

Good luck.

Bruce

Bruce Bevan

13 Nov 1972

Dear Bruce,

our appreciation for your help, and for copies of the survey. The students continue the work, although the rains really stopped them for a while.

Anomalies around the tree include not only roots, but also our trenches seem to show clearly. The resistances (low + high) which you note continue in a straight line, and will be more clearly evident as work continues. We'll be in touch.

Thanks again,

Marshall

(appreciate Loan of Equipment - NJB)

REFERENCE: "RESISTIVITY SURVEYING" BY ANTHONY CLARK, P. 695-707 IN SCIENCE IN ARCHAEOLOGY, SECOND EDITION, EDITED BY D. BROTHWELL, E. HIGGS, THAMES AND HUDSON, 1969

→ N

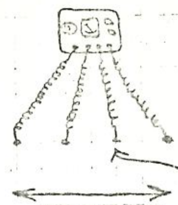
RESISTIVITY SURVEY

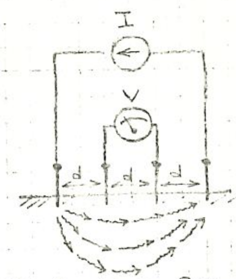
BRINTON CABIN SITE, WEST CHESTER, PA.

4 NOVEMBER 1972

SCALE: 0 1 2 3 4 5 METERS

SURVEYED BY: WEST CHESTER STATE COLLEGE AND UNIVERSITY OF PENNSYLVANIA





$R = \frac{V}{I}$, PLOTTED BELOW IN OHMS

$\rho = 2\pi d R$ = RESISTIVITY

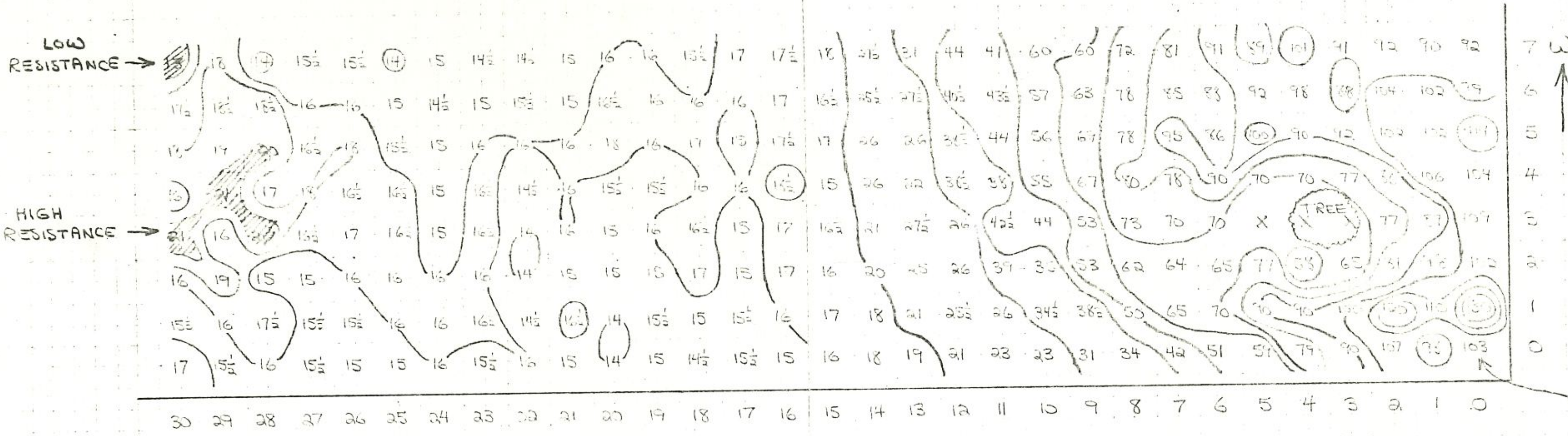
d = PROBE SPACING = 1 METER

(HIGH AND LOW RESISTANCE ANOMALIES IN THIS REGION COULD BE SIGNIFICANT, ADDITIONAL SURVEY TO SOUTH AND WEST NECESSARY)

(ALL ANOMALIES IN THIS REGION PROBABLY DUE TO TREE ROOTS)

CONTOUR INTERVAL = 2 OHMS

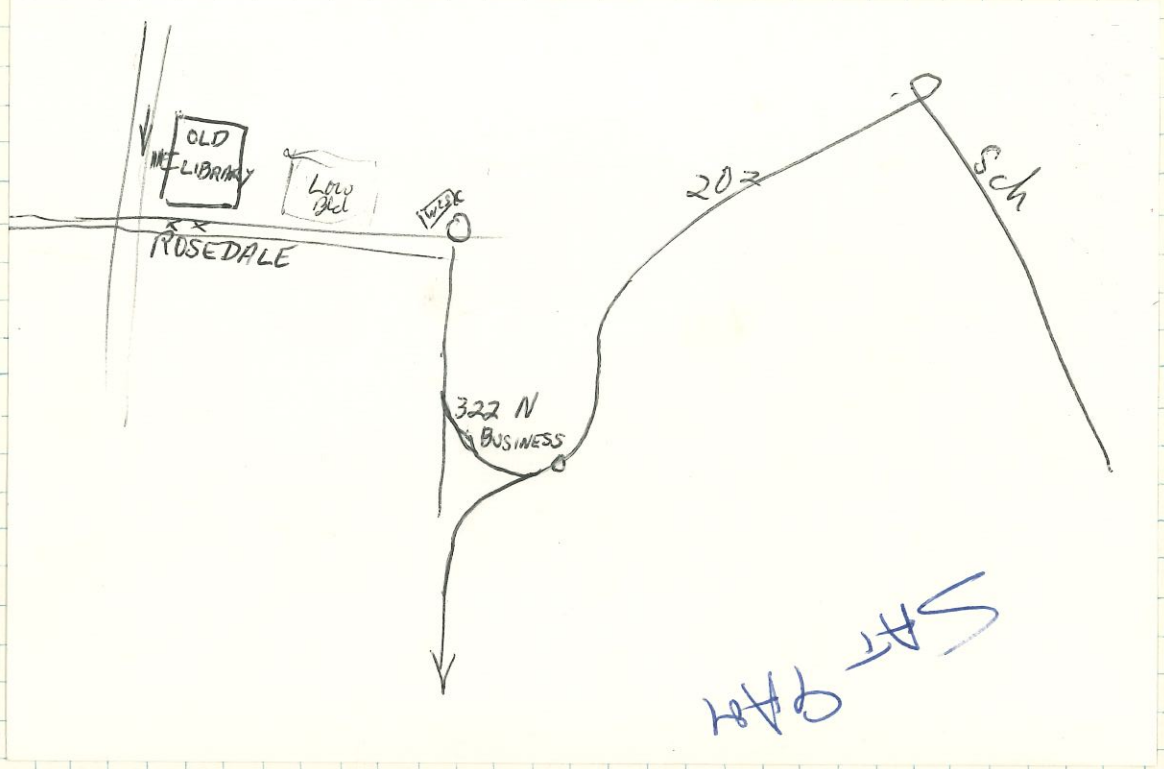
CONTOUR INTERVAL = 10 OHMS



S ←

0-0 REFERENCE STAKE

REGION OF RELATIVELY QUIET BACKGROUND



18	27.5	31	44	41	60	60	72	81	91	89	101	91	92	90	92	⑦
16.5	25.5	27.5	40.5	43.5	57	63	78	88	88	92	98	88	104	102	99	⑥
17	26	26	38.5	44	56	69	78	95	86	100	90	92	102	102	114	⑤
15	26	22	38.5	38	55	67	80	78	90	70	70	77	86	106	104	④
√ 16.5	21	27.5	26	42.5	44	53	73	70	70	TREE	Tree	Tree	77	87	109	③
16	20	25	26	39	35	53	62	64	65	77	58	65	81	98	102	②
17	18	21	25.5	26	34.5	38.5	50	65	70	90	90	100	120	110	130	①
16	18	19	21	23	23	31	34	42	51	59	79	90	107	98	103	0

Points: 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 00

W ↑ ↓ S

13	18	14	15.5	15.5	14	15	14.5	14.5	15	16	16	15.5	17	17.5	(7)
17.5	18.5	18.5	16	16	15	14.5	15	15.5	15	16.5	16	16	16	17	(6)
18	19	20	16.5	18	15.5	15	16	16	16	18	16	17	15	17.5	(5)
16	21	17	18	16.5	16.5	15	16.5	14.5	16	15.5	15.5	16	16	18.5	(4)
21	16	20.5	16.5	17	16.5	15	16.5	14	16	15	16	16.5	15	17	(3)
16	19	15	15	16	16	16	16	14	15	15	15	17	15	17	(2)
15.5	14	17.5	15.5	15.5	16	16	16.5	14.5	16.5	14	15.5	15	15.5	16	(1)
17	15.5	16	15.5	15	15	16	15.5	16	15	14	15	14.5	15.5	15	0 W
30	29	28	27	26	25	24	23	22	21	20	19	18	17	16 S	

Point: (30S, 0W)