

MARYLAND GEOLOGICAL SURVEY
Merryman Hall
The Johns Hopkins University
Baltimore, Maryland 21218
(301) 235-0771

COUNTIES (MD/PA/DEL.) CECIL/CHESTER/NEW CASTLE
M&D milestone no. (WEST LINE) 0 (CORNERSTONE)
(also M&D milestone no. (NORTH LINE) 87)
MHT-HSI no. CE-IV-1010

PROTECTED/ENDANGERED/MISSING

FIELD SHEET: MASON & DIXON LINE, MARYLAND-PENNSYLVANIA BOUNDARY MARKER SURVEY

LOCATION: USGS 7.5' quadrangle Newark West UTM 18.43240.439700
? original site/moved/date (replacement) 1849 bench mark/date No. 2, 1935
About 2.15 miles NE of Appleton, Md.; about 0.5 mile NW of Mechanicsville, Del.;
about 0.85 mile SSE of Strickersville, Pa.; on E/S of State Rte. 896 about 700' NE
of junction of Little Egypt Rd. Out of sight from road, just inside west edge of
deciduous woods in ravine, on south bank of small stream.

DIRECTIONS TO SITE:

From junction of Little Egypt Rd. with State Rte. 896: park near house NW corner
on 896 R/W; hike NE across unfenced open field past large open shed into wooded
ravine. Stone is about 15' beyond pile of debris & branches.

DESCRIPTION/MEASUREMENTS: original/replica/replacement/date 1849; square, dressed

granite post; stands about 2' above ground level
N face (PA): 14" wide x 33" high; P + 1849 clear, large chip into number 1

E face: 14" wide x 25" high; P clear

S face (MD): 14" wide x 25 1/2" high; M clear, chip in center of letter

W face: 14" wide x 33 1/2" high; M clear

top: 14" x 14"; low pyramid with centered apex, capped with bench mark

bench mark: standard reference mark metal/disk stamped M.D.P. CORNER NO 2 1935, secured to apex
of top. Other reference marks (1&3) & azimuth in area not field-checked.

CONDITION OF MARKER/FOUNDATION: excellent/good/fair/deteriorated/ruins/unexposed
1900-03 Resurvey notes (order no. 1), as in MGS Vol. 7, 1908, p. 83

1. Initial Monument, standing at the northeastern corner of Maryland. This is a
heavy granite post placed by Lieut.-Col. J. D. Graham in 1849. It stands at
the bottom of a ravine and is partly buried by earth washed from the hillside.

1950 Inspection notes (present order no. 0, photo no. 0) as in Bayliff, 1959,
Appendix C, p. 94

1. Upright; in good condition; lettering clear. Partly buried by erosion from
nearby slopes.

1979-80 Inspection notes (order no. 0, photos no. 0)

0 (1) Graham 1849 replacement stone in good condition; now leans slightly to north
but still seems firmly set; lettering & numbers clear, small chips all corners;
bench mark in place; endangered by erosion & nearby dumping.

SURROUNDING PROPERTY OWNERS (MD/PA): names, addresses, phones

MD: tax map 7, block 18, P.139, deed ^{WAS} 146/308, ac. 8.00, index
Lawrence R. Monger

PA: tax map 73, block 6, P. 17, deed /, ac., index
Joseph B. & Velma Smith, 5563 Westwind Lane, Fort Myer, Florida 33901

DEL: tax map, block, P., deed /, ac., index

RECORDED BY: names, addresses, phones, dates Alice Martin 3/16/80

14308 Mount Ave., Phoenix, Md. 21131 (301) 472-2128

Assisted by Frank J. Perozziello & sons Eric & Mike

3333 Offutt Rd., Randallstown, Md. 21133 (301) 922-2477

Also see: reverse side X, B&W photos X, negatives X, color slides X, maps X,
MHT-HSI form, other X

NOTES

According to Bayliff (1959, p. 81, Table 3 footnote a): "A double crownstone installed by Mason and Dixon was subsequently lost. The present stone was erected by Graham in 1849."

PROBLEMS. This monument is not only endangered by erosion from the stream (N & W sides) and infill by runoff from the hillside (S & E sides), but also possible covering over by dumping of debris and branches in the ravine within about 15' of the stone.

RECOMMENDATIONS. We suggest official contact with owner soon, to discuss plan for protection of monument. This should include: (1) erecting a witness post (as reminder of survey point significance); (2) piling stones along bank to help prevent further erosion at monument base; (3) contriving some kind of diversion of runoff from hillside, away from base.

B&W PHOTOS/NEGATIVES

SE corner (Neg #7A) JE 4/2/80, 5x7.
SW corner (Neg # 1980.11.33) AM 3/16/80, 5x7
NW corner (Neg # 8A) JE 4/2/80, 5x7
NE corner (Neg # 1980.11.36) AM 3/16/80, 5x7
View SE (no neg) JE 4/2/80, 5x7
View SW (Neg # 10A) JE 4/2/80, 5x7
View NE (Neg # 1980.11.31) AM 3/16/80, 3 1/2x5

COLOR SLIDES

SE corner (9) JE 4/2/80
SW corner & bench mark (1980.7.9) AM 3/16/80
NW corner (10) JE 4/2/80
View SW (2) JE 4/2/80
View WSW (7) JE 4/2/80

MAPS

USGS 7 1/2' Topographic Quadrangle section
1900-03 Resurvey engineer's map (Plate V), updated
Maryland Tax Map section

OTHER

Xerox copies of: NOAA Horizontal Control Data Sheet (7/77); 4 Art View Co. photos (10/31), 4 Dr. A. L. Trussell photos (9/48?); *Fig. 1, MGS Vol. VII* (by AM 78d)

11 B&W photos, 3 3/8x 5/4, gift to MGS by Maryland Historical Society, (Prints & Photographs Department) deaccessioned 10/15/80 from Trussell Collection PP2

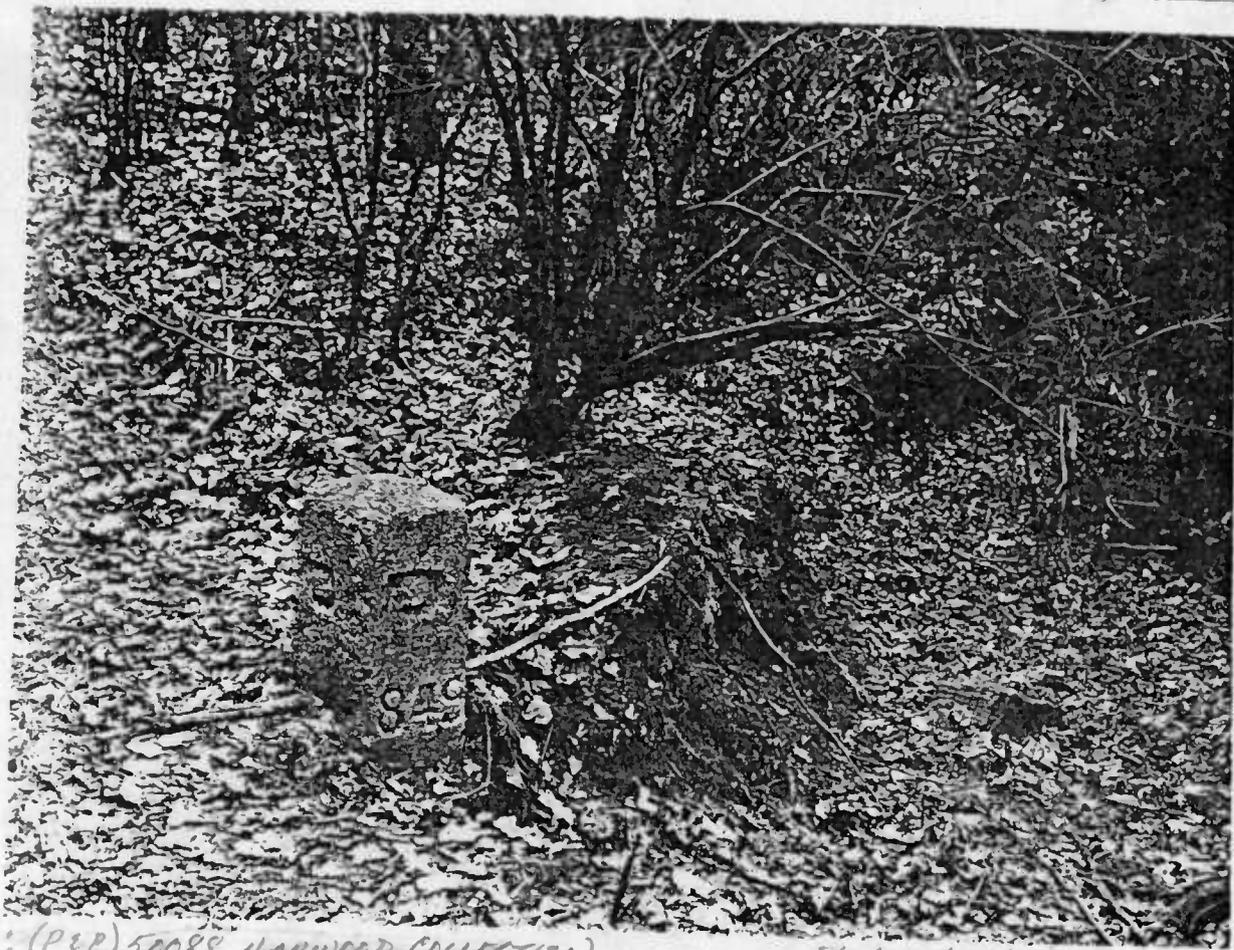


FIG. 1.—GRANITE MONUMENT (NO. 1) ERECTED IN 1849 BY COL. GRAHAM AT NORTHEAST CORNER OF MARYLAND.

VIEWS OF MONUMENT



MASON EDIXON WEST LINE: MILESTONE NO. 0
(MD-DEL-PA CORNERSTONE)



piece of
NE corner

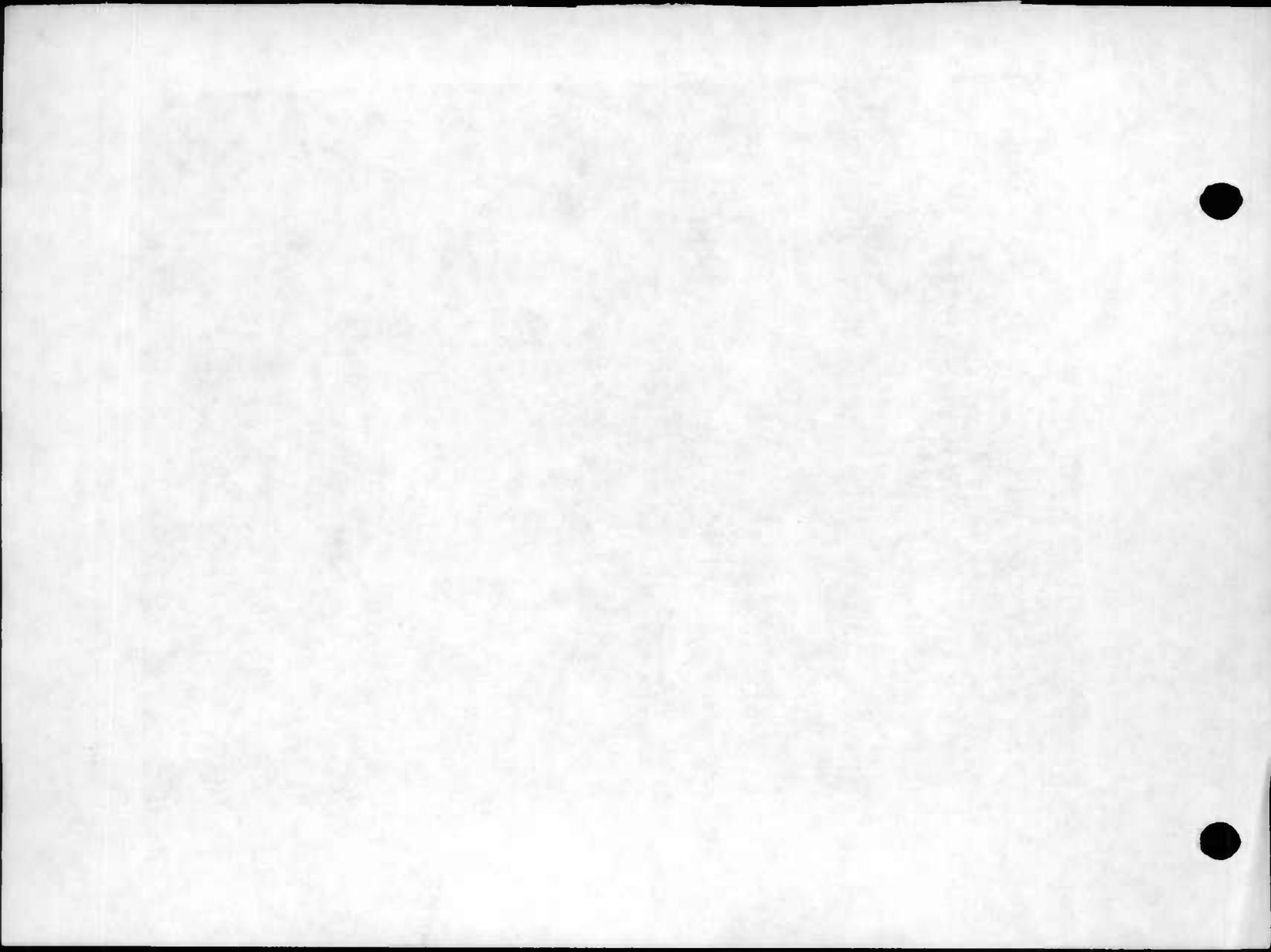
MHS: (P&P) 50088 HARWOOD COLLECTION

Photo: Art View Co 10/31

also;
Mason Dixon
Milestone No. 87
(1950 Photo No. 94)

" THE NORTH LINE. The original double cornerstone placed at this point by Mason & Dixon was lost prior to 1849. The present stone, marking the northeast corner of Maryland was set by Graham in 1849. This stone is a megacrystalline granite. Edges are chipped somewhat but the stone is upright & firmly set. Marked with N on south & west sides & P on east & north sides. "

Ref. Bayliff, Wm. A. (1959 Appendix B, p. 93) desc. of stone by AM 38



MASON DIXON WEST LINE MILESTONE NO. 0

MD-DEL-PA CORNERSTONE REPLACEMENT 1849

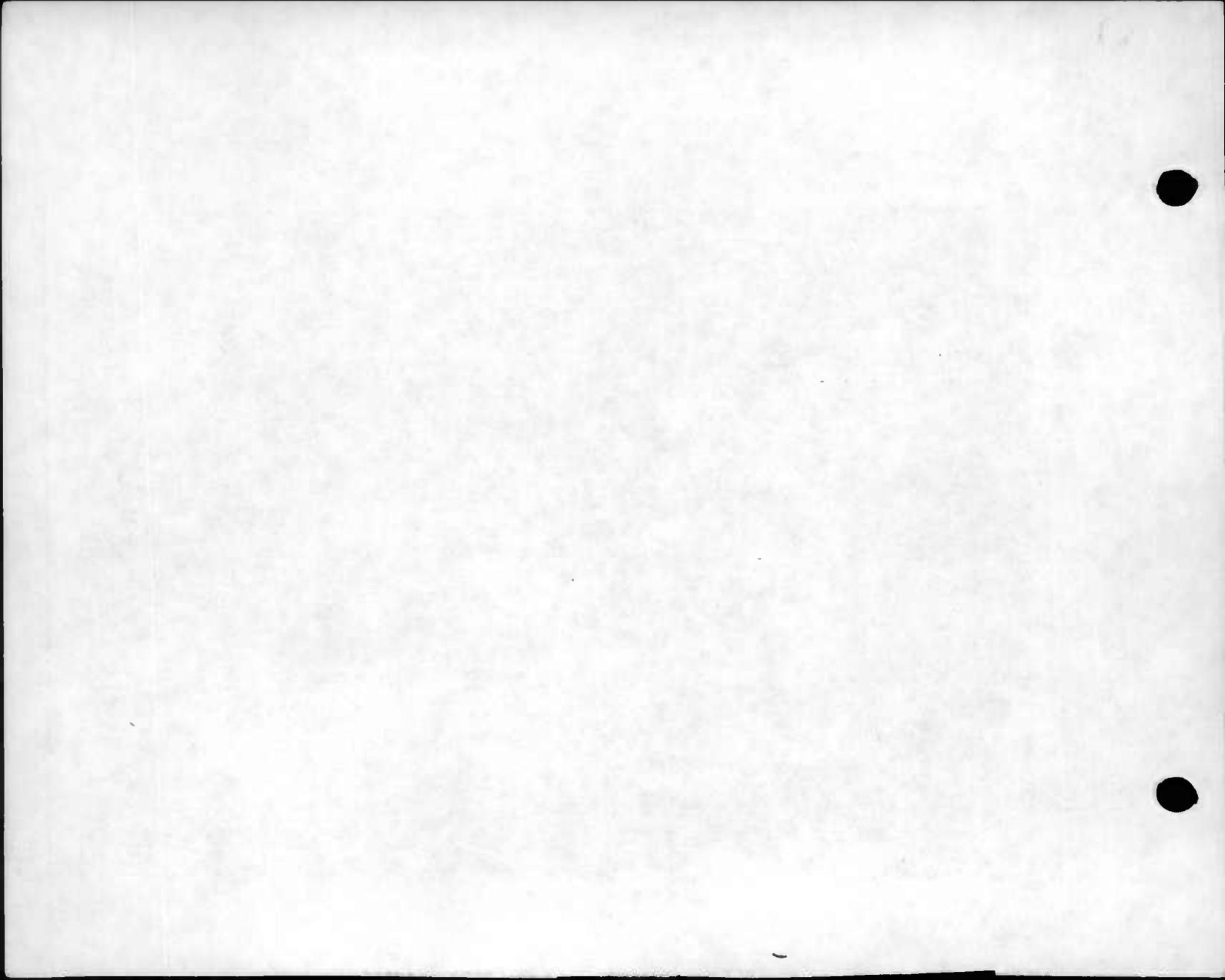


SE CORNER

Photo: Art Vano 8 10/31

MHS: (PEP)

50088 HARWOOD COLLECTION



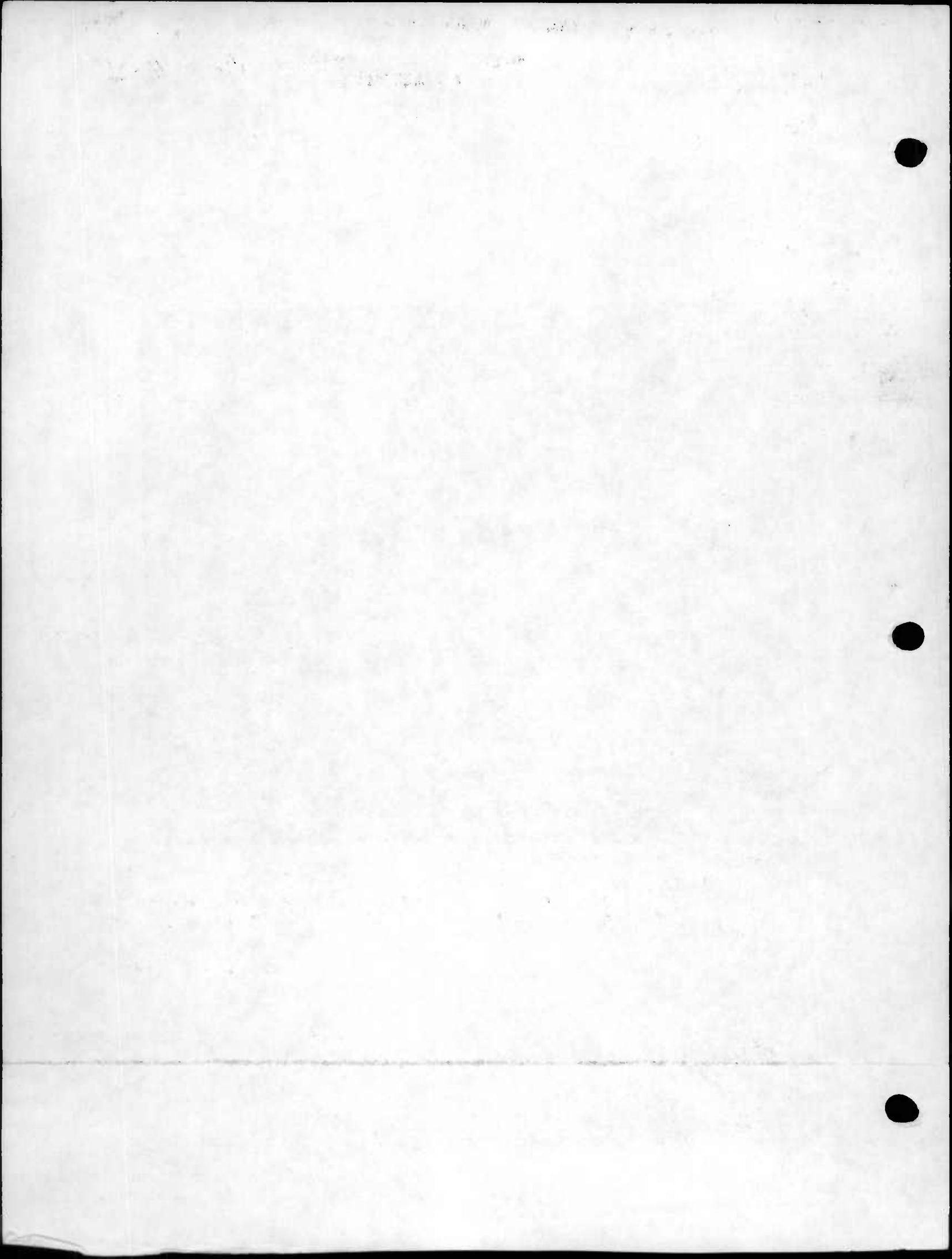
MASON & DIXON WEST LINE; MILESTONE NO. 0
(MD-DEL-PA CORNERSTONE) REPLACEMENT (1849)



WEST OR SOUTH FACE

Photo, Art View Co 10/31

MHS. (P&P) 50088 HARWOOD COLLECTION





HASBON DIVISION WEST LINE: MILESTONE NO. 0

MD-DEL-PA CORNERSTONE (GRANITE REPLACEMENT S/S)

SET BY LT. COL. J. D. GRAHAM 1849

PHOTO: ART VIEW CO. JOHN BOYNN ad/photographer 7/31

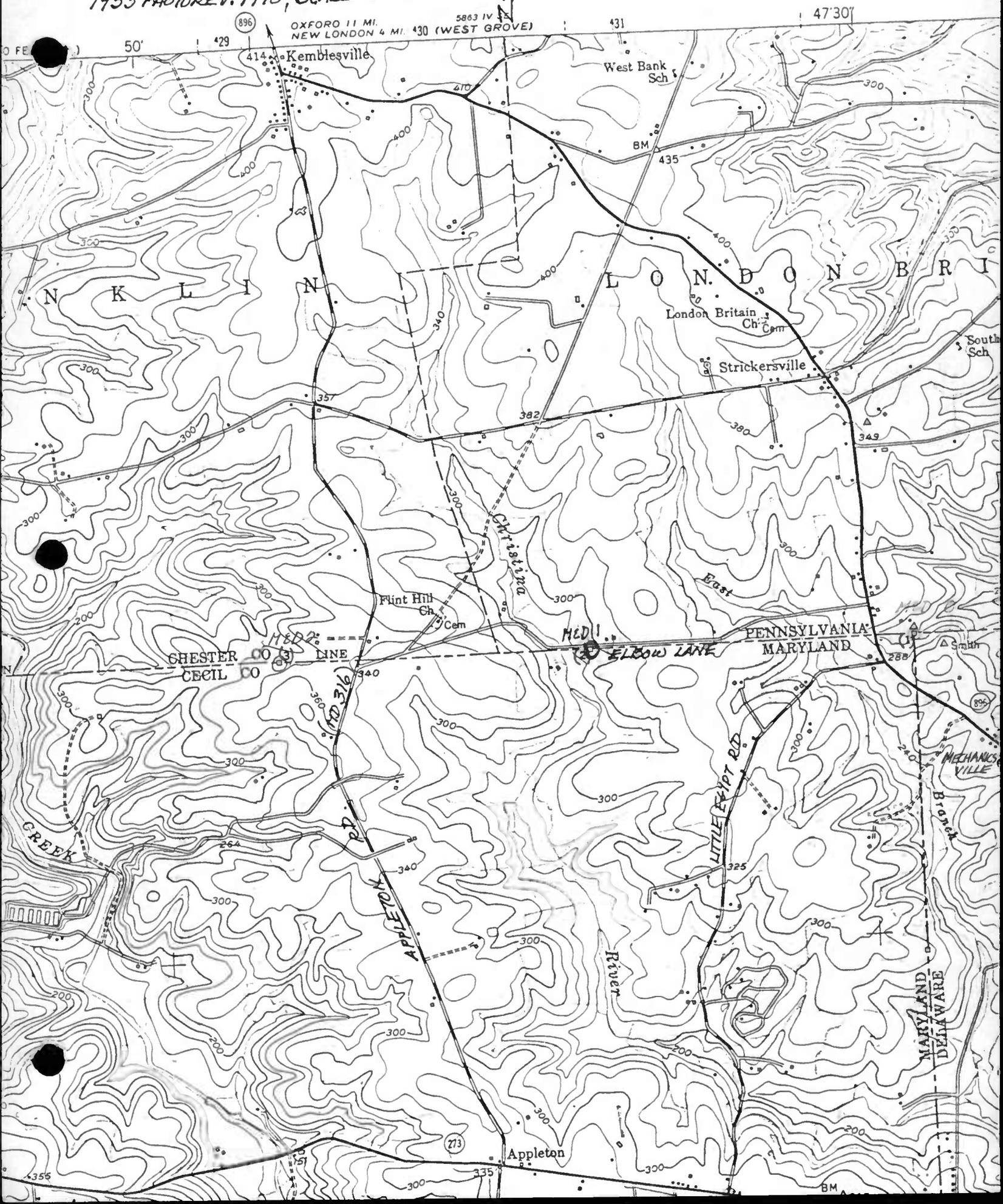
MHS (P&P) 50088 HARWOOD COLLECTION



CE-IV-1010

MASON & DIXON WEST LINE: MILESTONE NO. 0 (1)
(NE CORNERSTONE)

NEWARK WEST QUADRANGLE
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)
1953 PHOTOREV. 1970, SCALE: 1"=2000'



OXFORD 11 MI.
NEW LONDON 4 MI. 430 (WEST GROVE)

50'

N K L I N

L O N D O N B R I

CHESTER CO (3)
CECIL CO

PENNSYLVANIA
MARYLAND

MARYLAND
DELAWARE

CREEK

APPLETON RD.

LITTLE EGYPT RD.

River

Appleton

MECHANICSVILLE

BRIDGE

MARYLAND
DELAWARE



()

()

(71) MASON DIXON WEST LINE MILESTONE NO. 0
(MD-DEL-PA CORNER)

(WITH) CE-IV-1010

JUL 1977
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY, NATIONAL GEODETIC SURVEY

HORIZONTAL CONTROL DATA

By the
National Ocean Survey
NORTH AMERICAN 1927 DATUM

ADJUSTED HORIZONTAL CONTROL DATA

M.D.P. CORNER (Md.-Del.-Pa., J.B. Jr., 1935)--Station is located 10 miles SE of Jennersville, Pa., by road at the junction of the Maryland-Delaware State line with the Pennsylvania or Mason-Dixon line. It is about 0.15 mile E of the point where Pa. State Route 796 crosses the Maryland-Pennsylvania State line, on property belonging to Leon Garrett and tenanted by George Hendrickson. It is 75 feet SW of the SW corner of Hendrickson's house, 35 feet SE of the SE corner of garden plot and 80 feet N of Creek bottom.

Surface, underground, Reference mark No. 1 and azimuth marks are standard bronze disks set in concrete as described in notes 1a, 7a and 11a.

Reference mark No. 1 is 46.461 meters (152.50 feet) N of the station and 0.5 foot S of fence line.

Reference mark No. 2 is 28.159 meters (92.39 feet) S of the station in a 15-inch square stone post projecting 1 1/2 feet above the surface and about 6 feet S of the center of the creek bed. This post marks the state boundary.

The azimuth mark is located about 0.15 mile W of the station, 6 paces E of the center line of Route 796, 23 paces N of the state line and 12 paces from telephone pole 1615.

To reach from Jennersville, go S on Route 796 for 10 miles to the Pennsylvania-Maryland State line. Turn left on a dirt road about 10 yards N of the state line and go 0.15 mile to the station on left.

A 100-foot tower required for 1935 observation.

NOTE: The position of Reference mark No. 2 checks that of NORTHEAST CORNER OF MARYLAND 1692.

OBJECT	DISTANCE	DIRECTION
MILFORD	feet	0°00'00.0"
R.M. 2	92.39	87 37 30.1
Az. Mk.	0.15 mile	167 43 31.35
R.M. 1	152.50	220 31 10.0

NAME OF STATION: MDP CORNER

STATE: PENNSYLVANIA YEAR: 1935

SECOND-ORDER

SOURCE: C-12731

GEODETIC LATITUDE	39 43 20.4322	ELEVATION	77.9 METERS
GEODETIC LONGITUDE	75 47 20.1432		256 FEET

STATE COORDINATES (Feet)				
STATE & ZONE	CODE	X	Y	PLANE ANGLE
PA S	3702	2,551,629.42	147,834.19	+ 1 16 20
DE	0700	395,282.42	627,504.11	- 0 14 16
MD	1900	1,140,686.64	690,238.50	+ 0 15 36

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE P. C. R. Δ FORMULA NEGLECTING THE SECOND TERM.

TO STATION OR OBJECT	GEODETIC AZIMUTH (From south)	PLANE AZIMUTH (From south)	CODE
AZIMUTH MARK	81 30 43.9	80 14 23	3702
AZIMUTH MARK	81 30 43.9	81 45 00	0700
AZIMUTH MARK	81 30 43.9	80 45 08	1900

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

RECOVERY NOTE, TRIANGULATION STATION

NAME OF STATION: M.D.P. CORNER
ESTABLISHED BY: J.B. Jr. YEAR: 1935 STATE: Pennsylvania
RECOVERED BY: R.W. Tomlinson YEAR: 1961 COUNTY: Chester

HEIGHT OF TELESCOPE ABOVE STATION MARK 35 METERS. HEIGHT OF LIGHT ABOVE STATION MARK 38 METERS.

OBJECT	BEARING	DISTANCE		DIRECTION
		FEET	METERS	
MILFORD 1935				0 00 00.00
Reference Mark 2 (Traversed 28.094 m.)	S	92.19	28.098	87 35 03.2
Reference Mark 3	WSW	102.285	31.176	162 32 21.3
Azimuth Mark	W	Approximate 0.15 mile	167 43 32.0	
Reference Mark 1	NW	152.45	46.466	221 33 40.2

The station mark, reference mark number 1 and 2 was recovered in good condition. The azimuth mark was recovered but found to be slightly leaning, due to the location of the mark it could have been hit by a road grader or a snow plow. It was still in good condition and used as it is. A difference in direction to the azimuth mark was 00 00 59.92 seconds.

The property is now owned by Mrs. Clarence Crossan, who lives at Fair Hill, Maryland. A complete description follows:

The station is located 0.15 mile east of the point where the Delaware State Highway 896 crosses the Delaware and Pennsylvania line, 4.5 miles north-northwest of Newark, Delaware, 6.0 miles southeast of New London, Pennsylvania at the location where the Delaware, Maryland and Pennsylvania State Lines junctions.

To reach the station from the post office in Newark, go west on Main Street for 0.4 mile to a triple forks at a railroad crossing, keep the extreme right fork, State Highway 896 and go northwest for 3.5 miles to the Pennsylvania State line and the azimuth mark located on the right. Continue north for 0.05 mile to a field road right. Turn right and cross a field for 0.10 mile then bear right down the hill for about 0.05 mile to the edge of the timber and the station as described.

The station mark, a standard disk stamped M.D.P. CORNER 1935, is cemented in top of a square concrete monument which projects 5 inches above the ground surface and described by note 1a, 7a. It is 80.0 feet north of a small creek bed.

Reference mark 1, a standard disk stamped M.D.P. CORNER NO 1 1935, is cemented in top of a square concrete monument which projects 4 inches above the ground surface and described by note 11a. It is 232.0 feet north-northwest of the creek bed and about 13.0 feet higher than the station mark.

Reference mark 2, a standard disk stamped M.D.P. CORNER NO 2 1935, is cemented in a drill hole in the top of a 15-inch stone which projects about 1 1/2 feet above the ground surface. This stone is a boundary marker. It is 12.0 feet south of the small creek bed, 12.0 feet southwest of a 30-inch poplar tree and about 8.0 feet lower than the station mark.

Reference mark 3, a standard disk stamped M.D.P. CORNER NO 3 1935, is cemented in top of a square concrete monument which projects 2 inches above the ground surface. It is 85.0 feet north of the creek bed and about 3.0 feet higher than the station mark.

Azimuth mark, a standard disk stamped M.D.P. CORNER 1935, is cemented in top of a square concrete monument which is flush with the ground surface. It is 1.7 feet south of a standard metal witness post and marker, 15.0 feet east of the center line of State Highway 896, 33.0 feet north of a powerline pole number 1615 and 57.8 feet north of a Maryland and Pennsylvania boundary marker which projects about 6.0 feet above the ground surface.

Copy of forms courtesy of Dr. Robert R. Jordan, Delaware State University

NOAA FORM 78-71 (11-76)

NOTE - One of these forms must be used for every station recovered.

USCOM-OC 57175-PP

re designated Pa Rte 896

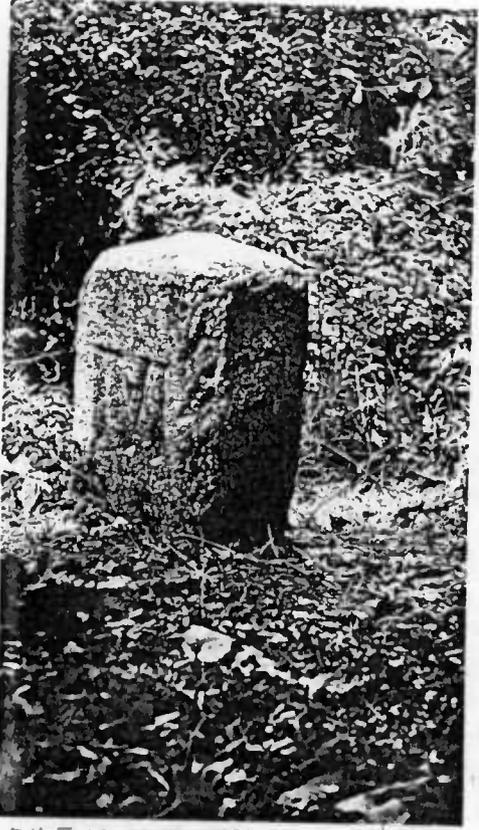


PHOTO: DR. A. L. TRUSSELL 9/19/48?
SW CORNER
MHS: PP2.1.8



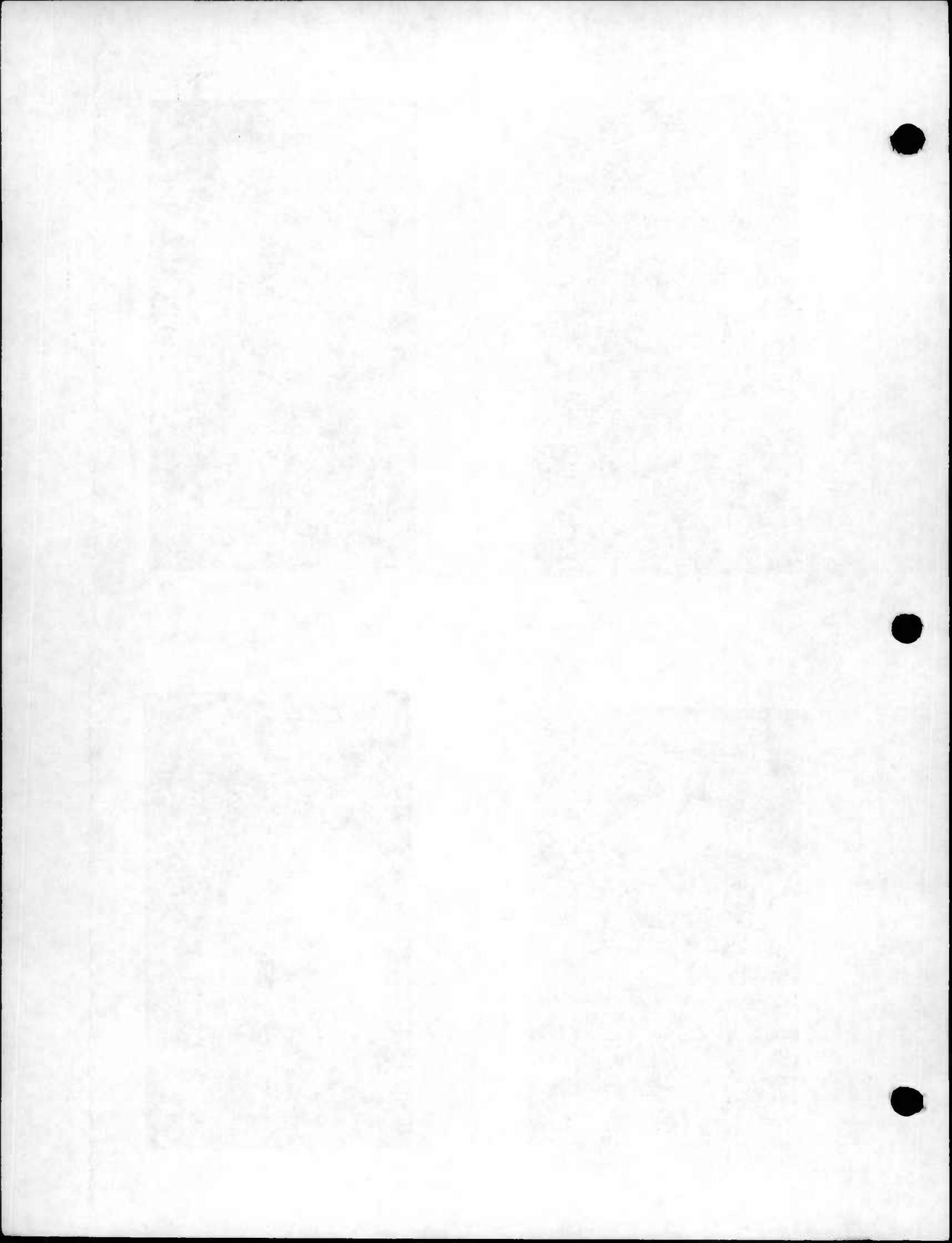
PHOTO: DR. A. L. TRUSSELL 9/19/48?
MHS: PP2.1.6



PHOTO: UNIDENTIFIED WOMAN 9/19/48?
NORTH FACE + DR. TRUSSELL
MHS: PP2.1.11



PHOTO: DR. A. L. TRUSSELL 9/19/48?
TOP SHOWING REF. MARK NO. 2 (1935)
MHS: PP2.1.10





MASON + DIXON^{WEST} LINE - Milestone No. (1) NE CORNER STONE (NORTH LINE No. 87) PP 37-2-8a
GRANITE REPLACEMENT STONE SET BY LT. COL. J. D. GRAHAM, 1849
S/S & UNIDENTIFIED MAN

Oct. 1931.

Milestone No. 1.

ORIG. SURVEYED ¹³
STONE Set by Mason & Dixon in 1766.

Now in South-edge of line road.

Duplicate photo DEACCESSIONED 12/2/81 BY MMS FROM PP 37 HARWOOD COLL
AS GIFT TO MGS

ART VIEW CO.

15 E. Pleasant St. BALTIMORE

W. B. GWINN, MGR

50083



MGS

MET-HSI: CE-ZV-1010

MASON & DIXON WEST LINE: MILESTONE NO. 0 (MD-DE-PA CORNERSTONE)
VIEW OF SE CORNER (with BM dunc on top)

PHOTO: JEAN EWING 4/2/80 (NEG. #7A)



CE-IV-1010

MASON & DIXON WEST LINE: MILESTONE NO. 0
(NE CORNERSTONE)

VIEW OF SW CORNER, SHOWING PROXIMITY TO
LARGE POPLAR TREE TO NE

PHOTO: ALICE MARTIN 3/16/80 1980.11.33

MES



M65

MHT-ASI: CE-TV-1010

MASON & DIXON WEST LINE; MILESTONE NO. 0 (MD-DEI-PA (CORNERSTONE))
(also listed in MD THE NORTH LINE; MILESTONE NO. 87)
NW CORNER

PHOTO: JEAN EWING 4/1/80 (SEE #8A)



1163

MHT-ASI: CE-II-1010

MASON BRIDGE WEST LINE; MURSTONE NO. 0
(2) CERAMIC TILE (REPLACEMENT)

(also given no. 87 of the MASON & BRIDGE NORTH LINE)

PHOTO: BILL MARTIN, 3/16/80 (ASC-1106)



Mason & Dixon West Line, Milestone 0 - (NO. 321.7A CORNERSTONE)
N.W. CORNER: LOOKING SE PAST CORNER STONE & UP HILLSIDE

PHOTO: JEAN EWING 4/2/80 (NO. 11.2)

(X)



MGS

MNT-HSI: CE-IV-1010

MASON & IRON WEST LINE:

MILESTONE NO. 0

NE CORNERSTONE REPLACEMENT

(ALSO KNOWN AS MED NORTH

LINE MILESTONE NO. 87

REPLACEMENT)

VIEW OF SW CORNER LOOKING

NE: ERIC (L) & MIKE (R)

PEROZZIELLO BEHIND STONE

NOTE JUNK FILLED ALMOST TO

STONE 

PHOTO: ALICE MARTIN 3/16/80

(1980. 11.31)



1968

MHT-HSI: CE IV - 1010

MARSHAL DUNN 2350 LIME MILESTONE NO. 1 (170-361-14 COORDINATIONS)
(also " WEST-108: MILESTONE NO. 871)

REPLACEMENT 1849

EAST FACE, LOOKING SW UP RAVIDE TOWARD BARN (EAST SIDE
E RTE 896, OUT OF SIGHT), SLOAN VALLEY, WYOMING

PHOTO: JEAN EWING 4/2/80 (REC #104)



MHS TRISSELL COLL.

PP 24-34 (no sig)

MEDICAL MATERIALS (1)
AND COLLIER (11/11)

PHOTO: DR. A. L. TRISSELL

559

SENT FROM MHS TO MHS (see notes above)
10/15/80 (Prints & Photograph Dept)



MHS TRUSSELL COLL
P. 2. 1. 7a (707169)
photo of (Seaman)

PHOTO: DR. A. L. TRUSSELL 2 1948-50

559

Gift of duplicate to MHS 10/15/80
from MHS (Printer & Photograph Dept)



RUSSELL COLL.

1915

(Some type)

(1)

1915

559

1915-50

list of duplicate to 1915 10/15/50
from 1915 (Printer & Photographic Dept)



MHS TRUSSELL COLL.

PP 2. 1. 6a. MHS WEST LINE (20 Neg)

NO. 1

(20 Neg)

Photo: Dr. A. L. Truwell

1948-50

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PP2.1.8. (no sig) MHS TRUSSELL COLL.

NE CORNER OF MD. (NE CORNER)

PHOTO: DR. A. L. TRUSSELL 1948-50

NE Cor of Md. (# 87)
140 with the A. L. TrusSELL line (and - bid - Pa)

gift of duplicate to MGS 10/15/86
from MHS (Prints & Photographs Dept)



MUS TRUSSELL COLL.

SP. 2. 2nd (no. 107)

no. 107 = 1

(1948-50)

PHOTO D. A. E. TRUSSELL 1948-50

563

1

List of duplicate to MUS 10/15/50
from IHS (Prints & Photographs Dept)



MHS TRUSSELL COLL.

15-1-20 (orig)

1911-12 (orig)

PHOTO: ED. A. L. TRUSSELL

5-11-20

559

GIFT OF (10) (22) REPRODUCED IN SLIP -
PRINTS & PHOTOGRAPHS LEFT TO MHS



MHS TRUSELL COLL
PP-22 is a (no neg)

PP-22 is a (no neg)

PHOTO DR. A. L. TRUSELL 2, 1948-50

gift of duplicate to MGS 10/15/80
from MHS (Prints & Photographs Dept)

5631



PP 201. 10a (acmg)

MRS TRUSSELL coll

10/15/50
reference 11

PHOTO DR. A. L. TRUSSELL ± 1918-50

559

Gift of duplicate to HGS 10/15/50 from Mrs (Mentor)
Photographic Dept



MHS TRUSSELL COLL.
PP 2 1 12 (neg #24-2, PP2)

Photo taken at T. Hill: Mt.
(North side E. side of road)

Photo: DR. A. L. TRUSSELL

5
5
9

5 1948-50

gift of duplicate to HGS 10/15/80
from MHS (Prints & photographs
Dept)



MAS TRUSSELL COLL.

PF 2 (5a) (1948-50)

4000 2000 1000 (east face)

PHOTO DR. A. L. TRUSSELL 1948-50

559

get 2 duplicate - 1. 5. 10/15/80
from MAS (Director Photographs
Dept.)