DEPARTMENT OF THE INTERIOR FRANKLIN K. LANE, Secretary

UNITED STATES GEOLOGICAL SURVEY
GEORGE OTIS SMITH, Director

BULLETIN 671

SPIRIT LEVELING IN NEW YORK

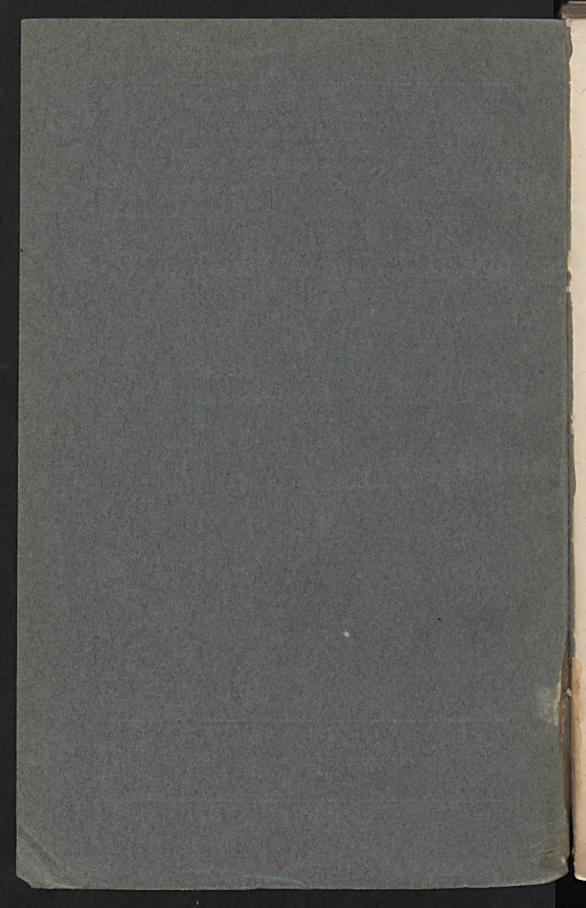
1896-1905 AND 1912-1916

R. B. MARSHALL, CHIEF GEOGRAPHER

Work done in cooperation with the State



WASHINGTON
GOVERNMENT PRINTING OFFICE
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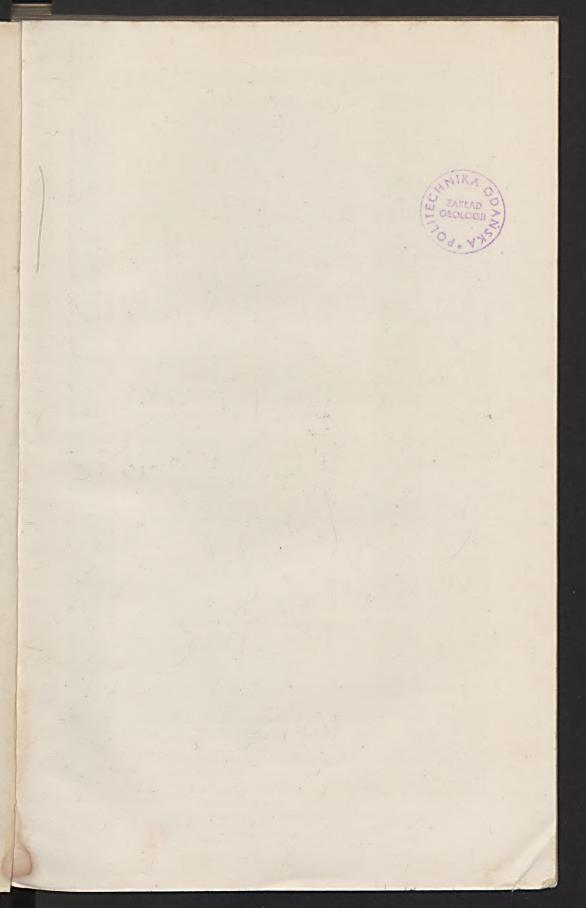


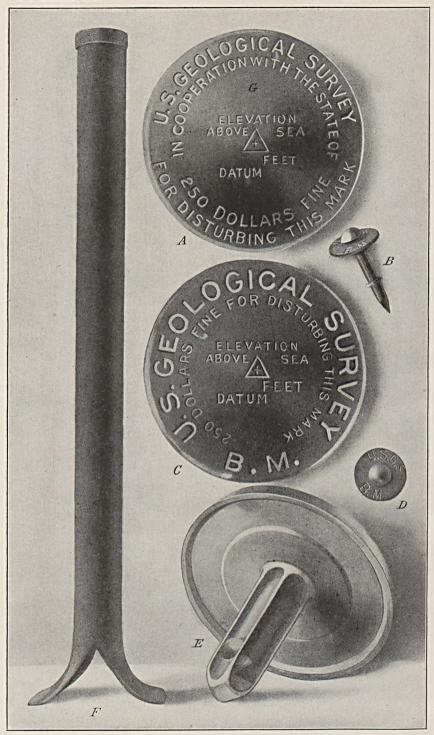
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GEOLOGICAL SURVEY BENCH MARKS.

A, Tablet used in cooperating States. The State name is inserted at G. B and D, Copper temporary bench mark, consisting of a nail and copper washer. A, C, and E, Tablets for stone or concrete structures. F_{\star} Iron post used where there is no rock.

SPIRIT LEVELING IN NEW YORK, 1896-1905 AND 1912-1916.

R. B. Marshall, Chief Geographer.

INTRODUCTION.

Cooperation.—The State of New York contributed financially to the work during the years 1896 to 1905 and from 1912 to 1916, inclusive, being represented by the office of the State engineer and surveyor.

Previous publication.—The following results of spirit leveling are supplemental to and accord with the elevations contained in Bulletin 514, and are in agreement with the 1912 adjustment of precise leveling. Descriptions and elevations of bench marks in Bulletin 281 are reprinted in this volume with corrections and additions.

Bulletin 514 and this bulletin together contain practically all results of leveling in New York State by the United States Geological Survey, the Coast and Geodetic Survey, the U. S. Lake Survey, the New York State Survey, the Board of Deep Waterways, and by the Corps of Engineers, United States Army. These elevations are likely to be changed but little by any future adjustment.

Corrections.—The following corrections to Bulletin 514 should be noted:

Pages 13-17, Lyon Mountain and Dannemora quadrangles: Connection made in 1912 with Coast and Geodetic Survey bench mark at Plattsburg necessitated a readjustment of elevations, and the corrected results are published in this volume.

Pages 17-18, Massena and Potsdam quadrangles: As a result of additional connections, circuits were readjusted in November, 1916, and corrected elevations are published in this volume.

Page 25, Beaver Falls, 3 miles west of, etc.: Permission to move bench mark granted April 21, 1915. Croghan, 70 feet south of railroad, etc.: Bench mark has been reset in new steps, but no record of its elevation has been received.

Page 30, Morris, in northwest side of main entrance to high school, etc.: Elevation should be 1,158.077 feet.

Page 33, insert "South" before New Berlin, for bench mark stamped "1059 ALBANY."

Page 34, Meridale, arch bridge over Ouleout Creek, etc.: Bench mark reset November 29, 1915, at elevation 1,801,740 feet.

Page 36, Parksville, 3.5 miles southeast of, etc.: Bench mark settled, new elevation 1,684.554 feet. Ferndale, 1.0 mile southeast of, etc.: Wall in which bench mark was set has been partly overthrown, elevation doubtful.

Pages 42-43, New York City datums. (See p. 121, this volume.) Page 125, Risby Lakes should be "Bisby Lakes."

Personnel.—The field work from 1896 to 1906, inclusive, was done under the direction of H. M. Wilson, geographer, and the later work under Frank Sutton, geographer. The work since January, 1908, was done under the general direction of R. B. Marshall, chief geographer. Credit is given in the headings of the several lists to the respective levelmen. The office work in preparation of lists was done mainly by S. S. Gannett, geographer, under the general direction of E. M. Douglas, geographer.

Classification.—The elevations are classified as precise or primary, according to the methods employed in their determination. The former are determined by lines of levels run either in both forward and backward directions or by simultaneous double-rodded lines, a high-grade instrument being used and special precautions being taken in observations and reduction to correct errors and make the line continuously good throughout. The latter or primary levels are determined with the Y level, the levels being run mostly in circuits of single lines. The allowable limit of error observed on the precise work already done by the Geological Survey in this State is represented in feet by $0.03 \sqrt{D}$ and that for the primary work by $0.05 \sqrt{D}$, in which D is the length of circuit in miles.

Bench marks.—The standard bench marks are in two forms. The first form is a circular bronze or aluminum tablet (C and E, Pl. I), 31 inches in diameter and 1 inch thick, having a 3-inch stem, which is cemented in a drill hole in solid rock in the wall of some public building, a bridge abutment, or other substantial masonry structure. The second form (F, Pl. I), used where masonry or rock is not available, consists of a hollow wrought-iron post 31 inches in outer diamter and 4 feet in length. It is split at the bottom and spread out to a width of 10 inches in order to give a firm bearing on the earth. and is set about 3 feet in the ground. A bronze or aluminum-bronze cap is riveted upon the top of the post. A third style of bench mark with abbreviated lettering (B and D, Pl. I), is used for unimportant points. This consists of a special copper nail 13 inches in length driven through a copper washer \(\frac{7}{8} \) inch in diameter. The tablets as well as the caps on the iron posts are appropriately lettered, and cooperation by States is indicated by the addition of the State name (G, Pl. I). Another form used in 1896 and 1897 was a copper rod

4 inches long and 1 inch in diameter fastened into masonry or solid rock by driving it on a brass wedge placed in the bottom of a vertical hole, so that the top of the bolt was horizontal and thus formed the bench mark.

The numbers stamped on the bench marks described in the following pages represent the elevations to the nearest foot as determined by the levelman. These numbers are stamped with $\frac{3}{16}$ -inch steel dies on the tablets of post caps, to the left of the word "Feet." The office adjustment of the notes and the reduction to mean sea level datum may so change some of the figures that the original markings are 1 or 2 feet in error. It is assumed that engineers and others who have occasion to use the bench-mark elevations will apply to the Director of the United States Geological Survey, at Washington, D. C., for the adjusted values, and will use the markings as identification numbers only.

Datum.—All elevations determined by the United States Geological Survey and the United States Coast and Geodetic Survey are referred to mean sea level. which is the level that the sea would assume if the influence of winds and tides were eliminated. This level is not the elevation determined from the mean of the highest and the lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. Mean sea level is the average height of the water, all stages of the tide being considered. It is determined from hourly observations made by means of tidal gages placed at stations where local conditions, such as long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month. and if accuracy is desired they must extend over several years. At ocean stations the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels as determined from observations in the Atlantic Ocean. the Gulf of Mexico, and the Pacific Ocean.

The connection with tidal stations for bench marks in certain areas that lie at some distance from the seacoast is still uncertain, and this fact is indicated by the addition of a letter or word to the right of the word "Datum" on tablets or posts. For such areas corrections for published results will be made from time to time as the precise-level lines of the United States Geological Survey, the United States Coast and Geodetic Survey, or other Government organizations are extended.

Topographic maps.—Maps of the following quadrangles, wholly or partly in New York, have been published by the United States Geological Survey up to March 1, 1918. They may be obtained, unless

otherwise noted, at 10 cents each or \$3 for 50 on application to the Director of the Survey, at Washington, D. C.

Albany.1 Canton. Cape Vincent. Albany and vicinity.1 20 cents. Carmel (N. Y.-Conn.). Albion. Alexandria Bay. Carthage. Castleton (Vt.-N. Y.). Amsterdam. Catatonk.3 Angelica.2 Catskill. Antwerp. Apalachin. Cazenovia. Chateaugay. Attica. Chautauqua. Auburn. Ausable.4 Cherry Creek. Chittenango. Babylon. Baldwinsville. Churubusco. Clayton. Batavia. Clove (N. Y.-Conn.). Bath. Berlin (N. Y.-Mass.-Vt.). Clyde. Clymer. Cohoes.1 Big Moose. Cooperstown. Binghamton. Copake (N. Y.-Mass.). Blue Mountain. Corning. Bolton. Cornwall (Conn.-N. Y.).10 Boonville. Cortland. Brier Hill. Coxsackie. Broadalbin. Dannemora. Brockport. Delhi. Brooklyn. Buffalo.8 Depew. Dryden.* Caledonia. Dunkirk. Cambridge (N. Y.-Vt.). Canada Lake. Name changed—see Durham. Easthampton. West Canada Lakes. Eden. Canajoharie. Elizabethtown.4 Canandaigua. Ellenville. Canaseraga.

2 Shows wooded areas.

4 Mount Marcy and vicinity map includes Ausable, Elizabethtown, Lake Placid, and Mount Marcy maps. Mount Marcy and vicinity forestry map uses the same base.

b Babylon, Fire Island, Northport, and Setauket maps, on scale of 1:62,500, have been reduced and form Islip map, on scale of 1:125,000.

⁶ Berlin and Hoosick maps, on scale of 1:62,500, have been reduced and form parts of Taconic map, on scale of 1:125.000.

New York City and vicinity map includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook maps.

8 Niagara River and vicinity map includes parts of all maps bordering on Niagara River.

⁹ Cambridge, Fort Ann, and Pawlet maps, on scale of 1:62,500, have been reduced and form parts of Mettawee map, on scale of 1:125,000.

¹⁰ Cornwall map, on scale of 1:62,500, has been reduced and forms part of Litchfield map, on scale of 1:125,000.

¹ Albany and vicinity map includes Albany, Cohoes, Schenectady, and Troy maps.

⁸ Apalachin, Dryden, Harford, and Owego maps on scale of 1:62,500, have been reduced and form Catatonk map, on scale of 1:125,000.

Elmira (N. Y.-Pa).1 Fire Island.2 Fonda. Fort Ann (N. Y.-Vt.). Fulton.4 Gaines (Pa.-N. Y.). Gardiners Island. Geneva. Genoa. Gilboa.

Glens Falls. Gloversville. Goshen (N. Y.-N. J.).

Gouverneur.

Greenwood Lake (N. J.-N. Y.). Grindstone. Hamlin.

Greene.

Hammond. Hammondsport.

Harford.5

Harlem (N. Y.-N. J.).

Hartwick. Hempstead. Highmarket. Hobart. Honeoye.

Hoosick (N. Y.-Vt.).

Housatonic (Mass.-N. Y.-Conn.).8

Islip.2 Ithaca.1

Jamestown.

Kaaterskill.

Kasoag.*
Kinderhook.

Lake Bonaparte.

Lake Placid.10

Lake Pleasant.

Lassellsville.

Litchfield (Conn.-N. Y.).11

Little Falls. Lockport.¹²
Long Lake. Loon Lake. Lowville.

Luzerne. Lyon Mountain.

Macedon. McKeever. Malone. Margaretville. Massena.

Medina.

Mettawee (N. Y.-Vt.).

Mexico.

Milford (N. Y.-Pa.-N. J.) Millbrook (N. Y.-Conn.).

Moira. Montauk. Monticello. Mooers. Moravia.

Moriches. Morrisville. Mount Marcy.10

* Mount Marcy and vicinity (20 cents).10

¹ Elmira, Ithaca, Watkins, and Waverly maps, on scale of 1:62,500, have been reduced and form Watkins Glen map, on scale of 1: 125,000.

² Babylon, Fire Island, Northport, and Setauket maps, on scale of 1:62,500, have been reduced and form Islip map, on scale of 1: 125,000.

³ Cambridge, Fort Ann, and Pawlet maps, on scale of 1:62,500, have been reduced and form parts of Mettawee map, on scale of 1:125,000.

Oswego special map includes parts of Oswego and Fulton maps.

⁵ Apalachin, Dryden, Harford, and Owego maps, on scale of 1:62,500, have been reduced and form Catatonk map, on scale of 1:125,000.

New York City and vicinity map includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook maps.

Berlin and Hoosick maps, on scale of 1:62,500, have been reduced and form parts of Taconic map, on scale of 1:125,000.

Pittsfield and Sheffield maps, on scale of 1:62,500, have been reduced and form parts of Housatonic map, on scale of 1:125,000.

Shows wooded areas.

¹⁰ Mount Marcy and vicinity map includes Ausable, Elizabethtown, Lake Placid, and Mount Marcy maps. Mount Marcy and vicinity forestry map uses the same base.

¹¹ Cornwall map, on scale of 1:62,500, has been reduced and forms part of Litchfield map, on scale of 1:125,000.

¹² Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson maps, on scale of 1:62,500, have been reduced and form parts of Niagara map, on scale of 1:125,000.

* Mount Marcy and vicinity forestry map (20 cents).¹

Naples.

Navesink (N. J.-N. Y.).2

Neversink.

New Berlin.

New Brunswick (N. J.-N. Y.).2

Newburg.

Newcomb.

New London (Conn.-N. Y.).

New York City and vicinity (N. Y.- N. J.) (25 cents).

Niagara.4

Niagara Falls.456

* Niagara Falls and vicinity (10 cents). 5 6

Niagara River and vicinity (10 cents).

Nineveh

North Creek.

Northeast (Pa.-N. Y.).

Northport.

Norwalk (Conn.-N. Y.).

Norwich.

Number Four.

Nunda.

Oak Orchard.

Ogdensburg.

Olcott.4

Old Forge.

Olean.

Oneida.

Oneonta.

Ontario Beach.

Oriskany.

Orwell. Oswego.

Oswego special.

Ovid.

Owego.10

Oxford.

Oyster Bay (N. Y.-Conn.).

Palmyra.

Paradox Lake.

Passaic (N. J.-N. Y.).11

Paterson (N. J.-N. Y.).311

Pawlet (Vt.-N. Y.).12

Penn Yan.

Phelps, Phoenicia.

Piseco Lake.

Pitcher.

Pittsfield (Mass.-N. Y.).18

Plainfield (N. J.-N. Y.).

Plattsburg (N. Y.-Vt.).

Plattsburg Training Camp (20 cents).

Portage.

Port Henry (N. Y.-Vt.).

Port Jervis (N. Y.-N. J.-Pa.).

Port Leyden.

Potsdam.

Poughkeepsie.

Pulaski.

Pultneyville.

Ramapo (N. Y .- N. J.).

Raquette Lake.

* Out of print.

¹ Mount Marcy and vicinity map includes Ausable, Elizabethtown, Lake Placid, and Mount Marcy maps. Mount Marcy and vicinity forestry map uses the same base.

² New Brunswick and Sandy Hook maps, on scale of 1:62,500, have been reduced and form parts of Navesink map, on scale of 1:125,000.

³ New York City and vicinity map includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook maps.

Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson maps, on scale of 1:62,500,

have been reduced and form parts of Niagara map, on scale of 1:125,000.

⁵ Niagara Falls and vicinity map includes Niagara Falls, Tonawanda, and Wilson

⁶ Niagara River and vicinity map includes parts of all maps bordering on Niagara River.

⁷ Babylon, Fire Island, Northport and Setauket maps, on scale of 1:62,500, have been reduced and form Islip map, on scale of 1:125,000.

8 Rochester special map includes parts of Rochester and Ontario Beach maps.

9 Oswego special map includes parts of Oswego and Fulton maps.

¹⁰ Apalachin, Dryden, Harford, and Owego maps, on scale of 1:62,500, have been reduced and form Catatonk map, on scale of 1:125,000.

¹¹ Paterson and Staten Island maps, on scale of 1:62,500, have been reduced and form parts of Passaic map, on scale of 1:125,000.

¹² Cambridge, Fort Ann, and Pawlet maps, on scale of 1:62,500, have been reduced and form parts of Mettawee map, on scale of 1:125,000.

¹³ Pittsfield and Sheffield maps, on scale of 1:62,500, have been reduced and form parts of Housatonic map, on scale of 1:125,000.

Red Mills. Remsen. Rhinebeck. Richfield Springs. Richmondville. Ridgeway. Riverhead. Rochester.1 Rochester special.1 Rosendale. Rouses Point (N. Y.-Vt.). Sacketts Harbor. Sag Harbor. St. Regis. Salamanca. Sandy Hook (N. J.-N. Y.).23 Sangerfield. Santanoni. Saranac. Saratoga. Schenectady. Schoharie. Schroon Lake. Schunemunk. Schuylerville. Setauket. Sheffield (Mass.-Conn.-N. Y.). Shelter Island.

Stamford (Conn.-N. Y.). Staten Island (N. J.-N. Y.).2 Stonington (Conn.-R. I.-N. Y.). Stony Creek. Stony Island. Syracuse. Taberg. Taconic (N. Y.-Mass.-Vt.). Tarrytown (N. Y.-N. J.). Theresa. Thirteenth Lake. Ticonderoga (N. Y.-Vt.). Tonawanda. 9 10 11 Troy.5 Tully, some to dince soller b , not some Tupper Lake. Utica. " anguers sled regger : rebinod Waddington. Warren (Pa.-N. Y.). Watertown. Watkins.12 Watkins Glen.12 Waverly.12 Wayland. Weedsport. West Canada Lakes. Westfield. West Point. Whitehall (N. Y.-Vt.). Willsboro (N. Y.-Vt.). Wilmurt.

² New York City and vicinity map includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook maps.

Wilson.9 11

Winfield.

New Brunswick and Sandy Hook maps, on scale of 1:62,500, have been reduced and form parts of Navesink map, on scale of 1:125,000.

4 Shows wooded area.

Silver Creek.

Skaneateles.

Sodus Bay.

Slide Mountain.

⁵ Albany and vicinity map includes Albany, Cohoes, Schenectady, and Troy maps.

*Babylon, Fire Island, Northport, and Setauket maps, on scale of 1:62,500, have been reduced and form Islip map, on scale of 1:125,000.

⁷ Pittsfield and Sheffield maps, on scale of 1:62,500, have been reduced and form parts of Housatonic map, on scale of 1:125,000.

⁸ Berlin and Hoosick maps, on scale of 1:62,500, have been reduced and form parts of Taconic map, on scale of 1:125,000.

⁹ Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson maps, on scale of 1:62,500, have been reduced and form parts of Niagara map, on scale of 1:125,000.

10 Niagara River and vicinity map includes parts of all maps bordering on Niagara

River.

11 Niagara Falls and vicinity map includes Niagara Falls, Tonawanda, and Wilson maps.

12 Elmira, Ithaca, Watkins, and Wayerly maps, on scale of 1: 62 500, hora book reduced.

¹² Ellmira, Ithaca, Watkins, and Waverly maps, on scale of 1:62,500, have been reduced and form Watkins Glen map, on scale of 1:125,000.

of schoolbouse; brouse tabler starages, "SEE Came

¹ Rochester special map includes parts of Rochester and Ontario Beach maps.

PRECISE AND PRIMARY LEVELING.

ALBION QUADRANGLE.1

[Latitude 43°-43° 15'; longitude 78°-78° 15'.]

Primary leveling in 1896 by E. L. McNair.

Rench marks tied to Canal hench marks

Bench marks tied to Canal bench marks.	
Albion, Orleans House, corner of Platt and Bank streets, 40.5 feet from Bank Street corner, on Platt Street side, 7.7 feet from office door; bronze tablet stamped "521"	Feet. 519. 984
Holley, Webster warehouse, south and west of Erie Canal bridge 115,	
in doorsill of door on canal side; copper bolt stamped "514"	513, 210
Elevations determined from New York State survey levels, corrected.	
Clarendon, 4 miles south of, opposite Andrew Kuhn's house on land	
belonging to Mrs. Butcher, 0.33 mile north of county line, in granite	
boulder; copper bolt stamped "648"	647. 137
Elba, 3.8 miles northeast of, at southwest corner of junction of east and west road and road south to East Elba, in granite boulder;	
copper bolt stamped "675"	674. 637
East Oakfield, 1.5 miles east of, 65 feet southeast of schoolhouse, district 9, 15 feet from road corner, on west side of north road, in	
boulder; copper bolt stamped "709"	708. 143
South Barre, 220 feet east of road crossing, in stone doorsill of	Seturous Lai
schoolhouse, district 9; copper bolt stamped "652"	651. 645
Barre Center, 3 miles southwest of, 1.5 miles northeast of West	Strick of the St
Barre, E. E. Allis's house, on north side of road, in lower of three	005 004
stone steps of eastern front door; copper bolt stamped "666"	665. 304
Bench mark set from old railroad levels, corrected (value doubtful).	
South Byron, 1,710 feet west of railroad station, 27 feet north from	
center of north track of New York Central & Hudson River R. R.,	
in next to upper step of large culvert, across Black Creek; copper	
bolt stamped "682"	681. 165

ALEXANDRIA BAY QUADRANGLE,2

[Latitude 44° 15'-44° 30'; longitude 75° 45'-76°.]

Primary leveling in 1900 by William Kelley.

From Theresa north to Redwood, thence west to Alexandria Bay.

Redwood, the Dollinger House (hotel), east side and northeast corner	
of foundation wall; aluminum tablet stamped "365 Cape Vincent"_	364. 786
Alexandria Bay, Reformed church, 29.9 feet north-northeast from the	dollar toll 12
northwest corner, in ledge in church lot; aluminum tablet stamped	
"283 Cape Vincent"	282, 267
From Lafargeville north via Omar to Fishers Landing.	

Omar, 420 feet northerly from intersection of Fishers Landing and
Collins Landing roads, in bed rock on sandstone ledge, west side
of the Collins Landing road, and on line with northerly side of the
Omar schoolhouse, and distant 51.62 feet from northwest corner
of schoolhouse; bronze tablet stamped "297 Cape Vincent"

<sup>See Bull. 514, pp. 95-96, for other elevations.
See Bull. 514, pp. 62-63, for other elevations.</sup>

295. 745

Fishers Landing, crossroads near, 72.6 feet from the south corner of Mrs. Tom's residence and 131 feet northwest of the west corner of a house on the opposite side of the road; top of a round-headed 1-inch brass bolt cemented into bed rock 6 inches below surface of ground	Delageer
From Redwood north via South Hammond to Chippewa village.	
Chippewa village, stone schoolhouse, district 11, 1 foot easterly from the northeast corner, set in bed rock; bronze tablet stamped "289 Cape Vincent"	287. 768
AMSTERDAM QUADRANGLE,2	
[Latitude 42° 45'-43°; longitude 74°-74° 15'.]	
Precise leveling in 1898 by E. L. McNair.	
From Duanesburg east along Delaware & Hudson R. R. to South Schenectady.	
Duanesburg, 1,000 feet west of Delaware & Hudson station, north end of east abutment of bridge; bronze tablet stamped "681 A" Duanesburg, in front of Delaware & Hudson station; top of south rail Kelleys, at station; top of rail	680, 822 676, 6
Kelleys, at station; top of rail— Kelleys, 1.75 miles east of, 750 feet east of highway, at east abutment of cattle and wagon pass, in coping stone; bronze tablet stamped "410 A"————————————————————————————————————	409. 008
& Hudson railroads; top of rail	349. 1
ANDES QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 74° 45'-75°.]	
Leveling in 1915 by Karl E. Schlachter.	
From Fraser southwest along New York, Ontario & Western Ry. to Hamden.	
Fraser, in front of station; top of rail	
Fraser station, 650 feet south of, in southwest abutment of railroad bridge over Platner Brook; bronze tablet stamped "N. Y. 1324" Fraser station, 1 mile southwest of, 540 feet southwest of milepost N. Y. 192, in east side of concrete culvert 20; chiseled square	1, 323, 631
painted "t. b. m. 1306, 2"	
Delancey station, 270 feet south of, in east side of concrete culvert; bronze tablet stamped "N. Y. 1285"	x : ESE
Hamden, opposite store of E. L. Miller, top of hydrant painted "t. b. m. 1,288.3"	
Hamden, in front of station; top of rail	

¹ The letters "U. S. P. B. M. 29" are cut in the bedrock. This is a bench mark set by the Deep Waterways Commission.

2 See Bull. 514, pp. 67-68, for other elevations.

From Delancey along highway east to Andes, thence south along Delaware & Northern R. R. to point near Union Grove, thence east to Arena.	
Delancey station, 2.2 miles east of, at road corner north, in slab in	
stone wall, north of road, 50 feet east of corner; chiseled square	Feet.
painted "t. b. m. 1,476.1"	1, 476. 17
Delancey station, 3.6 miles east of, in boulder, south margin of road;	
bronze tablet stamped "N. Y. 1565"	1, 565. 039
Delancey station, 4.3 miles east of, 50 feet northeast of intersec-	
tion of Bagley Brook and Terry Clove railroads, in ledge, west	Chianas
margin of road; chiseled square painted "t. b. m. 1638.0"	1, 638. 08
Cabin Hill Church, 2.3 miles west of, 60 feet south of corner, in	
southwest abutment of highway bridge to farmhouse; chiseled	
square painted "t. b. m. 1685.6"	1, 685. 72
Cabin Hill Church, 50 feet south of southwest corner of, in boulder;	
bronze tablet stamped "N. Y. 2203"	2, 203. 151
Cabin Hill Church, 1.5 miles east of, at road corner south, in boulder,	
20 feet south of road; chiseled square painted "t. b. m. 2092.2"	2, 090. 30
Cabin Hill Church, 1.9 miles east of, at road corner north, in rock in	
stone wall, in northeast corner; chiseled square painted "t. b. m.	
1916.7 "	1, 916. 83
Andes, 2.3 miles west of, at road corner east, in boulder 10 feet west	
of road; bronze tablet stamped "N. Y. 1708"	1, 708. 093
Andes, 1.4 miles west of, at road corner south, in rock, north margin	
of road; chiseled square painted "t. b. m. 1681.1"	1, 681. 19
Andes, in northeast abutment of highway bridge over Tremper Kill,	
900 feet northeast of depot; bronze tablet stamped "N. Y. 1594"	1, 594. 451
Andes, 1 mile south of, 528 feet north of railroad bridge 7, in bowlder,	
west margin of track; chiseled square painted "t. b. m. 1546.3"	1, 546. 35
Kaufman's, in front of station; top of rail	1, 461. 6
Kaufman's station, 65 feet north of, in ledge, east margin of track;	
chiseled circle painted "t. b. m. 1463.9"	1, 463. 99
Kaufman's station, 0.7 mile south of, in boulder 12 feet east of	
track; bronze tablet stamped "N. Y. 1413"	1, 413. 419
Wolf Hollow, in front of station; top of rail	1, 391. 6
Wolf Hollow station, 0.4 mile south of, in southeast abutment of rail-	
road bridge 4½; chiseled circle painted "t. b. m. 1357.9"	1, 357. 95
Pleasant Valley, in front of station; top of rail	1, 330. 6
Pleasant Valley station, 0.2 mile south of, in southeast abutment of	
railroad bridge 33; chiseled circle painted "t. b. m. 1324.2"	1, 324. 30
Union Grove, 2 miles north of, in boulder, 35 feet west of track;	Figureria
bronze tablet stamped "N. Y. 1295"	1, 295. 335
Union Grove, 1.3 miles north of, in southwest abutment of railroad	1 200 00
bridge 1; chiseled square painted "t. b. m. 1289.8"	1, 289. 89
Union Grove station, 0.5 mile west of, at junction with Andes Branch	atnied
of Delaware & Northern R. R., in southeast abutment of bridge	1 010 00
12½; chiseled circle painted "t. b. m. 1216.1"	1, 218. 92
Union Grove, in southeast corner of railroad bridge, over the East	1 910 000
Branch of the Delaware; bronze tablet stamped "N. Y. 1218.6"	1, 218, 686
Union Grove, in front of station; top of rail	1, 219. 5
Union Grove, 1 mile northeast of, in northwest abutment of railroad	1 000 00
bridge 10; chiseled square painted "t. b. m. 1220.0"	1, 222. 89
Jacksonburg siding, 0.5 mile west of, in southwest corner of railroad	1 000 700
bridge 8; bronze tablet stamped "N. Y. 1227"	1, 229, 722
Jacksonburg siding, at road crossing; top of rail	1, 200. 0

From point near Union Grove west along Delaware & Northern R. R. to Downsville.	
Shavertown, 0.7 mile east of, in west side of stone culvert, in capstone; chiseled circle painted "t. b. m. 1192.5"	Feet. 1, 195. 33
Shavertown, 0.3 mile east of station, in southeast corner of railroad bridge over Tremper Kill; bronze tablet stamped "N. Y. 1187"	1, 187. 422
Shavertown, in front of station; top of railShavertown, 1,8 miles southwest of, in northeast corner of railroad	
bridge 15; chiseled circle painted "t. b. m. 1175.0"Pepacton, 1.4 miles east of, on northeast abutment of Rock Eddy	
bridge; top of bolt painted "t. b. m. 1157.5"Pepacton station, 200 feet west of, in northeast corner of railroad	
bridge 17; bronze tablet stamped "N. Y. 1146"Pepacton, 1.3 miles west of (Wilson's siding) in east abutment of bridge 18; chiseled square painted "t. b. m. 1134.5"	
Pepacton, 1.9 miles west of, in east side of concrete culvert; bronze tablet stamped "N. Y. 1123"	
Williams siding, 1½ miles east of Downsville, 150 feet east of, in east side of concrete culvert; chiseled circle painted "t. b. m. 1120.1"	
Downsville, in northeast abutment of first (and smaller) highway bridge from station to village; bronze tablet stamped "N. Y. 1103". Downsville, in front of station, top of rail	1, 102, 927
From Pepacton south along highways to Craigie Clair school.	1, 105, 1
Pepacton, 1.2 miles south of, along road to Roscoe, at road fork west, in boulder, west margin of road; chiseled square painted "t. b. m.	
Pepacton, 2 miles south of, at road corner east, in boulder in west	Street
margin of road; chiseled square painted "t. b. m. 1469.7"Holliday's Brook School, 0.7 mile south of, in ledge, west margin of	
road; bronze tablet stamped "N. Y. 1941"Holliday's Brook School, 1.5 miles south of, in front of barn, in boulder in west margin of road; chiseled square painted "t. b. m.	1, 940. 884
2085.5"Berry Brook School, 0.4 mile north of, at road fork, on boulder;	2, 085. 78
chiseled square painted "t. b. m. 1906.6" Berry Brook School, 1.1 miles south of, at old wood road, in boulder in west margin of road, 8.5 feet south of water trough; bronze tablet	1, 906. 83
stamped "N. Y. 1651"Berry Brook School, 2.1 miles south of, at road fork in boulder, in east	- STE
margin of road; chiseled square painted "t. b. m. 1500.2"	1, 599. 32
[Latitude 42° 15′-42° 30′; longitude 78°-78° 15′.]	Great B
Precise leveling in 1898 by E. L. McNair.	
Near Belvidere.	
Belvidere, in front of Erie R. R. station; top of north rail	1, 378. 7
of center of track; bronze tablet stamped "1351 D"	1, 352. 243

¹ See Bull. 514, p. 5, for other elevations.

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Primary leveling in 1903 by George Seidel.

From Portage,	southwest	along	the	Pennsylvania.	R.	R.	to Cub	2.

ewn, divergible fractions in closet-adde out stone crained in the care.	
Fillmore, main entrance of Dingman House, coping stone of stone	
wall; aluminum tablet stamped "1213 Albany 1903"	1, 213. 069
Houghton, road crossing at station; top of rail	1, 210
Caneadea, 0.6 mile north of, west side of track, old canal lock, founda-	
tion rock	1, 228. 856
Caneadea, road crossing; top of rail	1, 238
Caneadea, 500 feet south of station, west end of north abutment of	
railroad bridge; aluminum tablet stamped "1236 Albany 1903"	1, 236. 916
Oramel, road crossing at station; top of rail	1, 264
Belfast, 2.1 miles south of, west side of track at railroad crossing;	
top stone of culvert	1, 350. 810
Black Creek, road crossing at station; top of rail	1, 489
Black Creek, southwest corner of foundation wall of Congregational	
Church; aluminum tablet stamped "1517 Albany 1903"	1, 517. 944
From Caneadea east along public road to Allen Center (single-spur line).	
Allen Center, 0.2 mile west of, north side of road, in foundation wall	
of Wm. Burk's residence; aluminum tablet stamped "1636 Albany	
1903 "	1, 636. 169
From Belfast southeast along public road to Belvidere, thence along Erie	
R. R. to Belmont.	
Belfast, corner of Main Street, northeast corner of foundation to Bel-	
fast House; aluminum tablet stamped "1313 Albany 1903"	
Angelica, crossing at station; top of rail	1, 440
Angelica, foundation of Shawmut Railroad office building, on Depot	
Street; aluminum tablet stamped "1440 Albany 1903" (on single-	
spur line)	1, 439. 990
Belvidere, foundation wall under bay window of Mrs. S. H. Whit-	
comb's residence; aluminum tablet stamped "1371 Albany 1903"_	1, 371. 272

Leveling in 1914 by A. J. Kavanagh.

At Angelica.

Angelica, 0.67 mile east of, in southeast corner concrete abutment of
railroad bridge, at yard limit; chiseled square, painted "U. S.
T. B. M. 1459 " 1, 459. 44

ANTWERP QUADRANGLE.1

[Latitude 44°-44° 15'; longitude 75° 30'-75° 45'.]

Primary leveling by C. H. Semper in 1900.

At Great Bend.

Great Bend, in i	front of station;	tob or	ran	004. 0

APALACHIN QUADRANGLE.

[Latitude 42°-42° 15'; longitude 76°-76° 15'.] Precise leveling in 1898 by E. L. McNair.

From Owego east along Erie R. R. to Hooper.

Owego, 2.75 miles east of Erie station, northwest corner of bridge 33,	
in coping stone; aluminum tablet stamped "812 A"	811. 679
Campville, in front of station; top of north rail	824.9

¹ See Bull. 514, pp. 18-20, for additional elevations.

Union, 1.4 miles west of, northwest corner of bridge 31, across Nanti-	
coke Creek, in coping stone of wing wall of abutment; bronze tablet	
stamped "825 A"	828. 353
Union station, in front of station, eastbound track; top of south rail—Hooper, in front of station; top of south rail, westbound track————	835. 2 834. 5
AN AND STREET STREET, STREET STREET, STREET STREET, ST	004. 0
Primary leveling in 1900 by W. E. Green.	
From Flemingville north along highway to Speedville.	
Weltonville, highway bridge, southwest corner of south abutment; bronze tablet stamped "930 A"	931. 136
From Owego via the Lehigh Valley R. R. to Newark Valley.	
Flemingville, waiting room at station; top of doorsill	907. 23
Newark Valley, 900 feet south of station, at northwest corner of iron	Limitati
bridge 299 A, on abutment; bronze tablet stamped "961 A"	961. 634
Newark Valley, waiting room at station; doorsill	967. 03
From Union north along highway to Maine (single-spur line).	
Union, Duane Street crossing west of station; top of rail	833. 3
Union Center, Andrew & Pitcairn's store, northwest side of; mark on	
water table	879. 82
Maine, northwest corner of Methodist Episcopal Church; aluminum	916. 700
tablet stamped "915 Albany"	310. 100
From Union south along highway to Vestal Center (single-spur line).	
Union, southwest corner of Union Methodist Episcopal Church;	000 ===
bronze tablet stamped "830 Albany" Vestal, at Delaware, Lackawanna & Western R. R. station, road	830. 751
crossing; top of rail	828. 7
Vestal Center, 975 feet east of, in northeast corner of abutment of	Herong train
iron highway bridge over Big Chocount Creek; bronze tablet	
stamped "985 Albany"	985. 274
ATTICA QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 78° 15'-78° 30'.]	
Primary leveling in 1903 by George Seidel.	
From Attica south along railroad to Varysburg, thence west along highway to	
Harris.	
Attica, 0.2 mile west of station, on south side of Erie R. R., in east abut-	
ment of railroad bridge; bronze tablet stamped "990 Rochester"	990. 187
Arcade, railroad crossing; top of rail	974
Varysburg, southeast corner of foundation wall of Baptist Church; bronze tablet stamped "1113 Albany 1903"	1 112 079
Harris, north side of road, about 35 feet south of T. Dorshide's hotel,	1, 110. 012
in large rock; bronze tablet stamped "1306 Albany 1903"	1, 305. 795
From Crittenden east along the New York Central & Hudson River R. R. to	Brillman A
Corfu, thence along highway to Darien, thence east along railroad to	
Attica.	
Crittenden, 0.2 mile east of; New York Central R. R. bench mark at	040.00
milestone 419Crittenden, 1.2 miles east of; New York Central R. R. bench mark	846. 89
at milestone 418	856
104787°—Bull, 671—18——2	With some
TOTIOI —Dull, OIT TO	

Feet. 213. 069 210

228, 856 238

236. 916 264 350. 810

489 517, 944

636. 169

313. 140 440

439. 990

371. 272

459. 44

654. 8

811. 679 824. 9

Corfu, 2.1 miles west of; New York Central R. R. bench mark at mile post 417	Feet. 878.36
Corfu, 1.1 miles west of; New York Central R. R. bench mark at mifestone 416	873, 28
Corfu, 0.1 mile west of; New York Central R. R. bench mark at mile stone 415	a dedicate.
Corfu, southwest corner of foundation wall of Catholic Church; bronze	
tablet stamped "854 Albany 1903" (bench mark on single-spur line) Lehigh Valley R. R. crossing; top of rail	878
Delaware, Lackawanna & Western R. R. crossing; top of rail Darien Center, southeast corner of foundation wall of Allegheny	
Hotel; aluminum tablet stamped "1011 Albany 1903" Darien, Erie R. R. station; top of rail	1, 011, 207
Griswold, 500 feet southwest of station, north side of track; coping stone of abutment of railroad bridge	
Griswold, road crossing at station; top of rail	
AUBURN QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 76° 30'-76° 45'.]	
Primary leveling in 1896 by A. B. Pomme.	
From Cascade northwest to Scipio, thence west via Barbers Corners to Levana, thence south to Aurora.	
Cascade Hotel, 2 miles west of, on capstone of culvert in southeast corner of intersection of road running south; chiseled square	1, 266. 58
Scipio public school, 30 feet southeast of corner of, in boulder; copper bolt stamped "U. S. G. S. B. M. 1205 ft."	1, 203. 211
Scipioville, Watkins's store, on northeast corner of stepstone; chiseled square	989, 46
Barbers Corners, 250 feet south of, in limestone boulder on east side of road under apple tree near bridge; copper bolt stamped "849"	847, 954
Aurora, Cayuga Military Academy, south door of basement, in west end of doorsill; copper bolt stamped "437"	435, 732
From Levana north along the Lehigh Valley R. R. to Union Springs.	
[The error distributed in this line is excessive.]	
Union Springs, basement door at south end of sanitarium, in west end of doorsill; copper bolt stamped "U. S. G. S. B. M. 421 ft."	418. 680
From Union Springs northwest along the Lehigh Valley R. R. to Auburn.	
Half Acre, 1.25 miles southwest of railroad station, on stone near	
southwest corner of intersection of road to south; chiseled squareAurelius, on mounting block in southwest corner of four corners;	706. 76
chiseled squareAurelius, 1.75 miles east of, on southeast bridge seat of bridge over	644. 27
Crane Brook; chiseled squareAuburn, 411 feet south of south side of Genesee Street, on east side	635. 84
of track; bolt in rock (Lehigh Valley R. R. bench mark, railroad	autora.
elevation 647.083)Auburn, south side of Genesee Street, between Sherwood and Delevan	647. 77
streets; west side of coping (city bench mark)Auburn, northwest corner of courthouse; water table (city bench	643. 17
mark)	708. 82

Auburn, North and Market streets; top of monument near southwest corner of city hall lot (city bench mark)	Feet. 671. 75
Auburn, post-office building, Genesee Street entrance, in top of wing stone at east end of steps; bronze tablet stamped "710 feet"	707. 719
From Union Springs north along highway to Cayuga.	
Cayuga, on northwest corner of doorsill to north door of malt house; chiseled square	387. 83
Cayuga, Cayuga and Seneca Canal, lock 10, between anchors of west wing of south gate; copper bolt stamped "U. S. G. S. B. M. 392 ft."	390. 420
From Auburn south along highway to Scipio.	
Auburn, Genesee Street, 2 miles south of, on Lehigh Valley R. R.; iron bolt in box culvert, 911 feet north of north side of public road—Fleming, Methodist Episcopal Church; copper bolt in doorstep, south	721. 13
door, stamped "U. S. G. S. B. M. 912 ft."	910. 051
From Throopsville southwest along highway to Cayuga.	
Throopsville, 1.75 miles east of; iron bolt in foundation of culvert 201 feet north of point of switch (Lehigh Valley R. R. bench mark) Throopsville, north side of road just east of four corners, on south-	546. 060
east corner of stone horse block; chiseled square	516. 36
Fosterville, 3 miles west of, 800 feet east of canal, south side of road, on granite boulder horse block in front of wood-colored house;	
chiseled square	408. 87
BABYLON QUADRANGLE.	
[Latitude 40° 30'-40° 45'; longitude 73° 15'-73° 30'.]	
Primary leveling in 1901 by C. H. Semper.	
From Deerpark south along highway to Babylon.	
Babylon, Deerpark Avenue crossing; top of rail Babylon, Methodist Episcopal Church on Deerpark Avenue, front face	13. 0
near north end; bronze tablet stamped "17 Willets Pt. 1901"	16. 677
From Babylon northwest along railroad via Farmingdale to Jericho.	
Farmingdale, at Main Street crossing; top of rail	71.0
Farmingdale, front face of Catholic Church on Cherry Street, east end; bronze tablet stamped "74 Willets Pt. 1901"	73. 550
BALDWINSVILLE QUADRANGLE,1	
[Latitude 43°-43° 15'; longitude 76° 15'-76° 30'.]	
Primary leveling in 1898 by D. E. Baxter.	
Primary leveling in 1898 by D. E. Baxter. From Hinmansville south via Baldwinsville to Newport.	
From Hinmansville south via Baldwinsville to Newport. Hinmansville, Oswego Canal, lock 6, in lower hollow quoin between	
From Hinmansville south via Baldwinsville to Newport. Hinmansville, Oswego Canal, lock 6, in lower hollow quoin between cinchers; copper bolt (canal bench mark)	360. 68
From Hinmansville south via Baldwinsville to Newport. Hinmansville, Oswego Canal, lock 6, in lower hollow quoin between	360. 68 364. 88

Phoenix, northwest corner of Union Academy, Bridge and Cherry	
streets, Cherry Street front, in water table; aluminum tablet	
stamped "394 Oswgo"Phoenix, Oswego Canal, in second step of abutment, south end, on	
Bridge Street; copper bolt stamped "364 A" (canal bench mark)	365. 000
Phoenix, Oswego Canal, guard lock 1, in upper hollow quoin between cinchers; copper bolt stamped "363 A" (canal bench mark)	
Baldwinsville, southeast corner of Free Academy, Elizabeth Street;	
aluminum tablet stamped "423 Oswgo"	
Warners, 700 feet east of crossroads, Mr. Hawley's brick dwelling, in	
east end of stone water table; aluminum tablet stamped "477	
Oswgo"	
Newport, at Warners, southwest corner of hotel barn, 30 feet north of	
canal; chisel mark on boulder (Erie Canal bench mark)	412. 587
From Bowens Corners south to Peru.	
Plainville, 300 feet west of four corners at center of town, north side of road, in top step of schoolhouse, district 5; aluminum tablet	
stamped "403 Oswgo"	
Peru, highway bridge over Erie Canal, towpath abutment, in west	
end of bottom step; copper bolt (N. Y. S. B. M. No. 324)	413. 643
At Jordan (set from canal bench mark 330).	
Jordan, in Jordan Academy, front of building, 3 feet east of door, in	
stone water table; aluminum tablet stamped "Oswgo 481"	480. 505
BATAVIA QUADRANGLE.	
[Latitude 42° 45′-43°; longitude 78°-78° 15′.]	
Primary leveling in 1902 by George Bailey.	
From Leroy west along the New York Central R. R. to Batavia, thence south to Attica.	
Stafford, crossing just west of station; top of north rail	900.4
Batavia (Attica branch of New York Central), 0.5 mile from station,	
in northeast abutment of railroad bridge; bronze tablet stamped	
"893 Rochester"	892. 386
From Attica along the Erie R. R. east to Linden, thence south to Warsaw.	
Dale, 0.25 mile north of station, in southeast abutment of railroad	
bridge over highway; bronze tablet stamped "1208 Rochester"	
Dale, in front of station; top of rail	1, 215. 0
Warsaw, 1 mile north of, 400 feet north of intersection with road	
north and south, in east wall of pipe culvert; aluminum tablet	1 000 004
stamped "1008 Rochester"	1, 008. 684
From Warsaw north along the Buffalo, Rochester & Pittsburgh Ry. via Pearl Creek and Pavilion Center to Leroy.	
Pearl Creek, 800 feet north of station, southeast abutment of rail-	
road bridge over creek; bronze tablet stamped "954 Rochester"	954. 333
Pavilion Center, 400 feet south of, bridge over highway, in top of	KIND OF THE PARTY
west end of north wall; bronze tablet stamped "953 Rochester"	953. 237
Leroy, West Main Street crossing; top of rail	887. 0

894, 94

BELMONT QUADRANGLE.

[Latitude 42°-42° 15'; longitude 78°-78° 15'.]

Precise leveling in 1898 by E. L. McNair.

Frecise leveling in 1898 by E. L. McNair.	
From Friendship east along Erie R. R. to Belmont.	Feet.
Friendship, in front of Erie station; top of south rail	
Friendship, Union School building, water table at right of main en-	1, 002. 1
trance; aluminum tablet stamped "1520 D"	1 501 000
	1, 521. 050
Belmont, southeast corner of Alleghany County Jail, in stone founda-	
tion; aluminum tablet stamped "1416 D." Permission granted	
B. B. Ackerman, Belmont, N. Y., February 2, 1912, to move this	Attuneour, I
mark	
Belmont, in front of Erie station; top of south rail	1, 384. 8
Primary leveling in 1896 by E. L. McNair.	HOD THEEL IS
From Cuba southeast to Clarksville.	
Clarksville, at M. M. Congdon's residence, in stone horse block; cop-	
per bolt stamped "U. S. G. S. B. M. 1604 ft."	1, 596, 063
	it intrated.
BERNE QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 74°-74° 15'.]	Alteroptia
Precise leveling in 1898 by E. L. McNair.	
At Delanson,	Altermont. I
Delanson, in front of Delaware & Hudson station; top of south rail	812. 5
Primary leveling in 1898-1900 by Seth Van Loan and J. H. Hodges.	
From Delanson south to Gallupville, thence southeast to East Berne.	
Delanson, in front of station; top of rail	813
Gallupville, Dutch Church, in wall near southeast corner; bronze tab-	Andrew Mills
let stamped "831 Albany"	831, 310
Berne, Lutheran Church, in southeast corner; bronze tablet stamped	laborate design
"1015 Albany"	1 014 086
	1,011.000
From Berne southeast via South Berne to Westerlo, thence north to East	
Berne,	
Westerlo, bridge over creek, in top of south end of east abutment;	
bronze tablet stamped "1144 Albany"	1, 144, 094
East Berne, west entrance to village, 300 feet east of Berne road inter-	day v market
section, in embedded stone at bend in road; bronze tablet stamped	
"1174 Albany "	1. 174 310
	2, 212, 010
From East Berne north to Altamont, thence northwest along the Delaware & Hudson R. R. to Delanson.	
Altamont, in foundation wall southwest side of Altamont Hotel;	
bronze tablet stamped "464 Albany"	464. 780
Knox, 1.75 miles west of station, 900 feet west of road crossing, small	
culvert; point on north end, chiseled circle	771.86
Duane, 900 feet east of, south end of east abutment of bridge; point	
an tan	004.04

From Westerlo west to Rensselaerville.

Rensselaerville, southwest corner Miner's storehouse, in stone sill; bronze tablet stamped "1367 Albany." (These figures are uncertain; the true elevation may possibly be 2 feet less.)	
Primary leveling in 1914 by F. J. McMaugh.	
From Altamont southeast along highways to Indian Ladder, thence west and south to East Berne.	
Altamont, in stone underpinning on west side of Altamont Hotel; bronze tablet stamped "Albany 464"	464. 780
Altamont, 1.2 miles southeast of, 100 feet southwest of Delaware & Hudson R. R. crossing, east of road, on small boulder; keel mark_	388. 03
Altamont, 1.4 miles southeast of, 0.2 mile south of railroad crossing, 400 feet southwest of D. V. Crounse's house, 70 feet west of road, on west side of road, in root of large tree; railroad spike (not	
marked or painted)Altamont, 3.1 miles southeast of, 25 feet northeast of small bridge,	388. 31
10 feet east of road; cross mark on boulderAltamont, 4.25 miles southeast of, 0.56 mile west of intersection of Indian Ladder Road and road in valley, 50 feet north of road,	403. 02
in root of elm tree, 3.8 feet north of trunk; steel nailAltamont, 4.47 miles southeast of, on south side of Indian Ladder	621. 56
Road, 0.1 mile east of dim wood road, south of fence; point on boulder	833. 22
Altamont, 4.71 miles southeast of, about 600 feet east of intersection of roads at top of hill, 35 feet west of end of wooden fence on south side of road; ten of good intersection startle.	1 000 01
south side of road; top of second iron stapleAltamont, 4.8 miles southeast of, at intersection of roads at picnic ground, 4 feet north of northeast corner of refreshment building,	Pristary Event Rel
on top of small boulder; chisel flat mark John Boyd Thacher Park Triangulation Station, 4.86 miles southeast	1, 126. 19
of Altamont, 330 feet east of intersection of roads, about 20 feet from edge of cliff; tablet set in granite boulder about 4 by 3 by 6	
feet bedded in ground about 2 feet, marked "John Boyd Thacher Park. Latitude, 42° 39′ 19′′; longitude, 74° 01′ 00′′. Elevation above sea 1,125.6 feet. Determined by U. S. Geological Survey,	
	1, 125. 635
tion station, at crossroads, on stone; chisel cross	1, 239, 32

Altamont, 6.63 miles southeast of, 400 feet east of white house, on

Altamont, 7.5 miles southeast of, 250 feet north of bridge, on east

Altamont, 8.2 miles southeast of, 200 feet east of small house, on

Altamont, 10.27 miles southeast of, 80 feet south of bridge, on west

ledge; chisel cross_______1, 406, 01

edge of road, on stone; chisel cross_______1, 329, 66

north side of road, on rock, chisel cross_______1, 322.48

side of road, on stone; cross mark______1, 191. 54

BIG MOOSE QUADRANGLE.

[Latitude 43° 45'-44°; longitude 74° 45'-75°.]

Primary leveling in 1899 by W. W. Gilbert and in 1897 by Clark Brown.

From Eagle Bay via Fourth Lake to Sixth Lake dam.

Fourth Lake, Fulton Chain, at Hess Inn, 175 feet east of sea wall,	
on lake front of lawn, 70 feet south of main hotel building, 40 feet	
north of boathouse and billiard room, on north bank of inlet of	
Fifth Lake Outlet, 3 feet northeast of sidewalk crossing; iron post	Feet.
stamped "R 1717"	1, 716. 417

From Fulton Chain north along the New York Central & Hudson River R. R.

to Nenasane.	
Clearwater, 600 feet south of, 35 feet east of tracks, in west face of large boulder; bronze tablet stamped "1753 Albany"Big Moose, 110 feet east of point of switch at east end of side track,	
40 feet south of main track, 25 feet west of west line of Hennessey's hotel, in northwest fact of large boulder; bronze tablet stamped "2036 Albany"	2, 034. 324
Woods Lake, 0.37 mile south of, 62 rail lengths south of station, 575 feet north of milepost 100, 125 feet south of small stream, 20 feet west of track, in northeast face of large boulder; bronze tablet	
stamped "1881 Albany"	
Keepawa station, 38 rails north of, 75 feet north of 90-mile post, 100 feet west of track, in east face of large boulder; aluminum tablet stamped "1722 Albany"	
Nehasane, 200 feet west of Mr. Ames's house (Nehasane station), 20 feet northwest of main track, in east face of ledge of rock; aluminum tablet stamped "1789 Albany"	
From Little Rapids west to Salmon Lake, thence north to Mud Pond (single-spur line, by J. W. Hodges in 1900).	
Mud Pond (just south of Clear Lake) in rock at outlet: bronze tablet	

BINGHAMTON QUADRANGLE.

[Latitude 42°-42° 15'; longitude 75° 45'-76°.]

Precise leveling in 1898 by E. L. McNair.

From Lestershire east along railroad to Binghamton.

Lestershire, in front of station, eastbound track; top of south rail	848. 1
Binghamton, Broome County courthouse, west end of, at left of base-	
ment entrance from Collier Street; aluminum tablet stamped	
"867 A"	866.056
Binghamton, in front of Erie and Delaware & Hudson station, west-	
bound track; top of north rail	863.5
Binghamton, 1 mile east of, at crossing of Delaware & Hudson and	
Syracuse, Binghamton & New York railroads; top of south rail	852.6

stamped "2007"______2,007.321

From Binghamton along Delaware & Hudson R. R. to Sanitaria Springs.

Port Crane, 3.25 miles west of, 900 feet west of road crossing, in	
parapet wall at east end of culvert under railway; bronze tablet	Feet.
stamped "959 A"	958. 519
Port Crane, in front of station; top of north rail	1,041.8
Sanitaria Springs, in front of station; top of north rail	1, 117. 0
Sanitaria Springs, 0.33 mile east of station, northeast corner of bridge	
107 over highway, in coping stone of abutment; bronze tablet	
stamped "1126 A "	1, 125. 617

Precise leveling in 1900 by C. H. Semper.

From Binghamton east along Erie R. R. to Riverside.

Binghamton, Broome County courthouse, west end of, at left of base-	
ment entrance from Collier Street; aluminum tablet stamped "867 A"	866. 056
Langdon, 1,000 feet north of station, top of south abutment west side	
of creek culvert; bronze tablet stamped "860 Albany 1900"	860. 468
Langdon, in front of station; top of rail	864. 4
Kirkwood, in front of station, northbound track; top of rail	871.6
Kirkwood, 0.5 mile south of, retaining wall of signal tower, in north-	
west corner, 7 feet northwest of tower house; railroad spike in top	
of timber of retaining wall	872. 52
Riverside, in front of station; top of rail	869.8

Primary leveling in 1900 by W. E. Green.

From Kirkwood west to Hawleyton (single-spur line).

Hawleyton, northeast corner of Methodist Episcopal Church; bronze	
tablet stamped "1277 Albany"	1, 277. 314

From Binghamton to West Chenango (single-spur line).

West Chenango, Abbot Methodist Episcopal Church, in southeast cor-	ofetra origin
ner of wall; bronze tablet stamped "1387 Albany"	1, 388. 018

From Binghamton north along Delaware, Lackawanna & Western R. R. to Chenango Forks.

Chenango Bridge, in front of station; top of rail, southbound track	886.7
Chenango Forks, 0.1 mile north of Delaware, Lackawanna & Western	
station, iron highway bridge across Tioughnioga River, in south-	
west abutment, northwest wing, end stone of top course; bronze	
tablet stamped " Albany"	897. 457

BLUE MOUNTAIN QUADRANGLE.

[Latitude 43° 45'-44°; longitude 74° 15'-74° 30'.]

Primary leveling in 1896 by A. F. Krause.

Near Indian Lake village.

Indian Lake village, 0.7 mile south of, west end of smooth sloping	
outcrop 75 feet in length, 10 feet from road, 20 feet east of elm	
tree 8 inches in diameter; copper bolt stamped "U. S. G. S.	mile ulf
1793 Ft. B. M."1,	788.807

From Cedar River House southwest to Wakely dam.

Wakely dam, 4.8 miles north of, 0.7 mile southwest of Brown's house	9,
20 feet north of bridge over small stream flowing east into Ceda	
River, 15 feet to right of road; copper bolt stamped "U. S. G.	S. Feet.
В. М. 1,918"	1, 913. 585

From Cedar River House northwest to Blue Mountain Lake.

Forest House, 25 feet of north of west of northwest corner of bar-
room; in outcrop; copper bolt stamped "U. S. G. S. 1941 Ft. B. M." _ 1, 937. 247
Blue Mountain Lake, 3 miles southeast of, bridge over Rock River, on
downstream end of easterly abutment; chiseled square 1,774.56

From Blue Mountain Lake north to Long Lake.

Blue Mountain Lake, foundation of schoolhouse, in second stone from southwest corner of second course from top; bronze tablet stamped	Albany i
"1810"	1, 805. 700
Long Lake, 5.5 miles south of, east side of South Pond, 12 feet to left	
and 2.5 feet above center of road, in bowlder; copper bolt stamped	
"U. S. G. S. 1855 Ft. B. M."	1, 851. 176
Long Lake, 260 feet west of Sabattis's two-story frame house, in west	
end of outcrop, 130 feet to left of center of road; copper bolt	
stamped "U. S. G. S. 1663 Ft. B. M."	1, 658. 685
Long Lake, front line of Lake House, 35 feet south of house, on	

bowlder; chiseled mark ("Colvins B. M. 71 A") ________1, 636.64 Long Lake, 2.75 miles southwest from Grove House; 130 feet east of fork in State road to Forked Lake, 50 feet south of road, north

fork in State road to Forked Lake, 50 feet south of road, north face of large boulder; aluminum tablet stamped "1726 Albany"___ 1,726.514

From Long Lake east to Essex-Hamilton County line.

Long Lake, 4 miles east of, 35 feet west of 4-mile post, in outcrop 14 feet to right and 2.5 feet above center of road; copper bolt stamped	originalist to
"U. S. G. S. 1863 Ft. B. M."	1, 858. 465
Essex-Hamilton county line, 0.87 mile west of, south side of Fishing	
Brook, in boulder 12 feet to left of and 3.5 feet above center of	medical of
road; copper plug stamped "U. S. G. S. 1698 Ft. B. M."	1, 694. 227

BOONVILLE QUADRANGLE.1

[Latitude 43° 15'-43° 30'; longitude 75° 15'-75° 30'.]

Precise leveling in 1900 by C. H. Semper.

At Boonville.

Boonville, canal lock 71, at railroad station, top of	west wall, south
end: bronze tablet stamped "1120 Albany 1900"	1, 121. 306

Primary leveling in 1901 by A. S. Havens.

From Boonville along public road and Black River Canal via West Leyden, Stokes, and Frenchville to Remsen.

West Leyden, steel bridge over Mohawk River, east abutment, top	of
north end; bronze tablet stamped "1493 Albany 1901"	1, 493. 500
West Branch, steel bridge over West Branch of Mohawk Rive	er,
south abutment, top of east end; bronze tablet stamped "10	02
Albany 1901"	1,001.800

¹ See Bull. 514, p. 78, for additional elevations.

Stokes, south entrance to hotel on northeast corner of crossroads, west end of lower step; chisel mark	Feet. 634, 68
Delta, steel bridge over Mohawk River, north of State dam, top of north end of east abutment; bronze tablet stamped "516 Albany	
Westerville, canal lock 16, southwest hollow quoin between anchors;	516. 160
copper boltFrenchville, canal lock 17, top of north end of west wall; copper	587. 622
Frenchville, steel bridge over creek, top of west end of south abut-	595, 473
ment; aluminum tablet stamped "593 Albany 1901"Steuben, church on northwest angle of crossroads, near southeast corner of south foundation wall; aluminum tablet stamped "932	593, 300
Albany 1901"	932. 280
BRIERHILL QUADRANGLE,1	
[Latitude 44° 30'-44° 45'; longitude 75° 30'-75° 45'.]	
Primary leveling in 1904 by G. M. Dimmick.	
From Ogdensburg southwest along highway to Edwardsville, thence north to Morristown.	
Ogdensburg, 4.5 miles south of, in water table of residence of Paul	
Velour, north end, east face; bronze tablet stamped "317 Albany 1903 Adj"	317. 215
Ogdensburg, 8.93 miles south of, in foundation wall of residence of	(market)
Alonzo Havens, center of east face; aluminum tablet stamped "390 Albany 1903 Adj"	389. 916
Ogdensburg, 11.67 miles south of, 200 feet north of residence of Luther Bloodough, 150 feet north of highway, 100 feet northwest of highway sluice, in solid rock; bronze tablet stamped "302 Albany	
1903 Adj "	301. 488
Edwardsville, in foundation wall of Union Church, east end of south face, bronze tablet stamped "295 Albany 1903 Adj"	295. 206
Edwardsville, 2.93 miles northwest of; 2.6 miles southeast of Morristown, in solid rock, 30 feet west of southwest corner of red school-	
house and 54 feet northeast of intersection at four corners; bronze	
tablet stamped "300 Albany 1903 Adj" Morristown, in foundation wall of stone warehouse, 79.5 feet from	300. 227
north side of United States customhouse; 4-inch bolt (Deep Water-	
ways bench mark)	271. 288
BROADALBIN QUADRANGLE.	
[Latitude 43°-43° 15'; longitude 74°-74° 15'.]	
Primary leveling in 1896 by Clark Brown and in 1899 by J. E. Thomas.	
From Factory village west via Galway and Broadalbin to Mayfield.	
Galway, in northwest corner of Presbyterian Church; aluminum tablet stamped "838 Albany"	838. 450
West Galway, in northwest corner of foundation wall of Presbyterian Church; aluminum tablet stamped "871 Albany"	871. 942
Broadalbin, in southeast corner of brick Baptist Church; aluminum tablet stamped "820 Albany"	820. 567

From Mayfield east via Northampton to East Galway.

Northampton, on southeast corner of retaining wall at south approach to closed wooden bridge; State bench mark (Colvin's), chisely	Feet.
marked "B. M. No. 31" Northampton, 2.25 miles south of, on ledge of rock near crest of hill;	
State bench mark, chisel marked "72"	1, 019. 87
Northampton, 2.9 miles south of, at intersection of roads, northwest corner, 50 feet north of road; old State bench mark	1 025 00
Hagedorns Mills, south abutment in southeast corner of bridge over	1, 055. 00
creek; bronze tablet stamped "975 Albany"	974. 824
North Galway, square stone monument 200 feet north of road locally known as Mechanic Street; stone chisel marked "N. Y. 17 S. S."	1 266 699
	1, 200. 000
From Edinburg south via Batchellerville to Northampton.	
Batchellerville, in southwest corner of Presbyterian Church foundation wall; bronze tablet stamped "771 Albany"	770. 450
Northampton, 0.36 mile northeast of, west side of road; chisel mark on boulder (old State bench mark)	774. 06
Northampton, 3.1 miles northeast of, on east side of road near yellow	111.00
house; chisel mark on boulder (old State bench mark)	799.96
Northampton, in northeast corner of Presbyterian Church; bronze tablet stamped "790 Albany"	789. 612
	true refunt
From Edinburg west along road to Northville.	
Northville, northeast corner of Methodist Episcopal Church, corner of Main and Washington streets; aluminum tablet stamped "802	
Albany"	802. 292
From Mayfield northeast along railroad to Northville.	
Van Nostrands; road crossing at railroad station	743. 0
Cranberry Creek, Main Street, 300 feet north of railroad crossing and 100 feet west of track, in boulder 3 feet high; copper bolt stamped	
"U. S. G. S. B. M. 768 ft."	763. 790
Northville; platform of railroad station	765. 0
BROCKPORT QUADRANGLE,1	
[Latitude 43°-43° 15'; longitude 77° 45'-78°.]	
Primary leveling in 1897 by E. L. McNair.	
At Spencerport.	
Spencerport, Amity street, in northeast pier of bridge 99; bronze	
tablet stamped "519 B"	518. 848
Spencerport, New York Central & Hudson River R. R. station; south- east corner of doorstep at east end of building	528. 96
Spencerport, at east end of New York Central & Hudson River R. R.	
station; top of rail	526. 3
From Brockport south to point 1 mile south of Sweden Center.	
Brockport, east end of towpath abutment of Park Avenue canal	
bridge; lower step (Erie Canal b. m. 107, State engineer's b. m.	510, 690
475)	010.000

Product N 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1	
Brockport Normal School, in foundation wall in front of office; bronze tablet stamped "538 B"	Feet. 539. 231
Brockport water tower, on stone foundation, west side; chiseled	helion of
square	607. 83
Sweden Center, 1 mile south of, at Geo. W. Way's residence, in foundation wall under bay window; bronze tablet stamped "639 B"	640. 191
dation wan under bay window, bronze tablet stamped '000 B' ===	010. 101
Spur lines from corrected railroad levels of doubtful value.	
At Bergen.	
Bergen, West Shore R. R. crossing; top of rail	580. 4
Bergen, New York Central & Hudson River R. R. station; top of rail_	604.1
Bergen, New York Central & Hudson River R. R. station, in doorstep	Mary Mill
of baggage room; bronze tablet stamped "604 B"	604. 959
Southward from Chili station (New York Central R. R.).	Kim and
Chili station, 380 feet east of, south side of main line of New York	
Central & Hudson River R. R., in south end of old culvert abut-	
ment at southwest corner of flagman's shanty; bronze tablet	James of
stamped "561 B"	562. 174
Chili station, 2.5 miles south of, 1.25 miles south of Buckbee Corner, under southeast corner of dwelling house of John Groves, west of	
road, in foundation wall; bronze tablet stamped "558 B"	559. 471
	2011/2011/10
At Churchville.	as nime
Churchville, 800 feet east of station; west abutment of New York	
Central & Hudson River R. R. Bridge 721 (railroad company's	
bench mark)Churchville, in front of New York Central & Hudson River R. R.	564. 57
station; top of rail	569.
Churchville, West Shore R. R. crossing; top of rail	569. 6
Churchville, Union School building, at right side of main entrance;	0, 2, 7 "
bronze tablet stamped "615 B"	615. 633
BUFFALO QUADRANGLE.1	
[Latitude 42° 45′-43°; longitude 78° 45′-79°.]	
Precise leveling in 1902 by D. H. Baldwin.	
From Buffalo along the Lake Shore & Michigan Southern Ry. to Athol Springs.	
Buffalo (U. S. Engineer Corps bench mark and State Canal bench	
mark 553), south United States pier lighthouse, upper surface of	
plinth; east angle stamped by chiseling in stone so as to leave a	doction and
rounded pointBuffalo, Michigan Street bridge over Buffalo Creek; surface of floor_	590. 099
Buffalo, Lehigh Valley R. R. bench mark, northwest corner of bridge	587
over Ohio Slip; in top of foundation stone; iron bolt	586. 228
Buffalo, northwest of New York Central switch tower, 24 feet from	mova .
old stone milepost, 10 feet west of track; top of rail driven ver-	
tically in ground	589. 591
Buffalo, grade crossing of Erie R. R., four tracks; top of rail	585. 4

¹ See Bull. 514, pp. 101-103, for additional elevations.

track; chisled square	Feet. 85. 66
corner of fourteenth step from top of wing wall about level with track; chisled square	85. 66
track; chisled square	85. 66
Buffalo (railroad bench mark), northwest corner two-span, steel-truss bridge 267 over Buffalo Creek, southwest corner of parapet wall; chiseled circle	Fed .
bridge 267 over Buffalo Creek, southwest corner of parapet wall; chiseled circle	91. 46
chiseled circle	91. 46
West Seneca, 0.58 mile north of, end of trestle and two-span bridge overhead crossing, at north end of stone pier about 4 feet above main track, on coping stone; chiseled square	91.40
overhead crossing, at north end of stone pier about 4 feet above main track, on coping stone; chiseled square	
main track, on coping stone; chiseled square5 West Seneca, in front of station; top-of rail5	12.77
West Seneca, in front of station; top-of rail 59	89. 16
West Seneca, in front of station, top-of fan	99. 9
West Seneca, 1.04 miles south of (New York Central R. R. bench	00.0
mark), 20 feet south of survey station 606+50, 400 feet south of	
	91. 27
	26
Athol Springs, 0.76 mile south of, milepost "B 11" north face, 6 feet	
	40. 54
Athol Springs, 0.91 mile south of, southeast corner of stone-arch cul-	
vert bridge, in south face of coping stone; bronze tablet stamped	
	31. 110
Athol Springs, 1.1 miles south of, road crossing to "Hamburg-on-the-	
	36. 6
Primary leveling in 1903 by George Seidel.	
From Ebenezer north along highway to Williamsville.	
Ebenezer, railroad crossing at station; top of rail 6	36. 3
Gardenville, 100 feet north of iron bridge at street crossing; rock on	
	30. 57
	36
	41
Forks, 0.2 mile west of station, south side of New York Central	
tracks, Evangelical Church, to right of main entrance, in founda-	
	62.079
	57. 69
New York Central R. R. bench mark at monument 90 6	54. 75
CALEDONIA QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 77° 45'-78°.]	
Precise leveling in 1902 by D. H. Baldwin.	
From Avon southwest along Pennsylvania R. R. to Cuylerville.	
	549 E
Avon, near Pennsylvania R. R. station, road crossing; top of east rail. Fowlerville, 1.42 miles north of, remains of old canal lock, west wall,	543. 5
Fowlerville, 1.42 miles north of, remains of old canal lock, west wan,	551. 98
netti contes i	561. 2
	561. 3
York, 1.02 miles south of, east side of track, on coping stone of	001.0
	555. 76
Piffard, 660 feet north of west side of track, east side wall of drain	200. 10
	564. 96
	569. 0
	000.0
Piffard 191 miles south of, east side of track, southeast corner of	
Piffard, 1.91 miles south of, east side of track, southeast corner of large culvert wall, on coping stone; chiseled square	566.58

	Feet.
Cuylerville, in front of station; top of east rail	569. 9
Cuylerville, 0.53 mile south of, northwest corner of bridge 5, on	
northwest corner of parapet wall; chiseled square	569. 29
Delaware, Lackawanna & Western Junction, grade crossing; top of east rail	586. 8
Primary leveling in 1901 by C. H. Semper and in 1902 by William Kelley.	
From Avon along the Erie R. R. to McQueens Crossing.	
Avon, 0.57 mile south of station, on Bath branch of Erie R. R., bridge over highway, in west end of south abutment; bronze tablet	
stamped "609 Rochester"	608. 977
to the state of the second	dram
From Genessee Vailey junction south along the Erie R. R. to Mount Morris.	
Avon, west side of station; platform	584. 0
Ashantee, in front of station and creamery; top of rail	579.8
South Avon, road crossing near station; top of east rail	614. 3
Geneseo, in front of station; top of east rail	596. 2
Geneseo, 60 feet east of Erie freight house, 5 feet south of northwest	
corner of Delehanty's warehouse, in west face of foundation wall; aluminum tablet stamped "602 Rochester"	609 900
Cuylerville, road crossing; top of east rail	602, 290 579, 2
	019. 4
From Avon west along the Erie R. R. via Caledonia to Leroy.	
Avon, 1.75 miles west of, bridge over Pennsylvania R. R.; top of rail_	557. 4
Caledonia, John Ball's storehouse opposite station, in northerly face	
of foundation wall; aluminum tablet stamped "669 Rochester"	668. 399
Leroy, junction of the Erie and the Buffalo, Rochester & Pittsburgh	
railroads; top of rail	862. 50
Leroy, "Church crossing" of Erie R. R., at southwest corner of, at	
northeast corner of malthouse lettered "D," in easterly face; bronze tablet stamped "869 Rochester"	000 905
bronze tablet stamped "809 Rochester"	868. 385
From Mount Morris northwest along the Delaware, Lackawanna & Western	
R. R. via Greigsville to Linwood.	
Leicester, foundation wall of town hall, set in easterly face, 12 feet	
from northeast corner; bronze tablet stamped "661 Rochester"	660, 404
Leicester, highway crossing; north rail	656. 2
Greigsville, in front of station; top of north rail Craigs, highway crossing; top of north rail	762. 0 865. 0
Craigs, 50 feet west of station, on north side of track, near south-	800.0
west corner of foundation wall of storehouse, on southerly face;	
bronze tablet stamped "866 Rochester"	865. 988
Linwood, in front of station; north rail	933. 2
CANADOMARIE ON ARRANGE (contra por los sustantes	
CANAJOHARIE QUADRANGLE.1	
[Latitude 42° 45′-43°; longitude 74° 30′-74° 45′.]	H JANUA S
Timesy letting in 1000 by Clark Divini	entre:
From Canajoharie to Ames (mean of direct and reverse lines).	
Canajoharie, Union Free School, west front, south of stone steps, in	1
stone balustrade; aluminum tablet stamped "A 350"	350. 301
Marshville, schoolhouse; south end of doorsill	675. 72

From Ames east to Blaine, thence south to Sha	From	thence south to S	aron.
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Blaine, 50 feet from east coping of cemetery wall; aluminum tablet stamped "A 943"	Feet. 943. 315
Sharon, opposite Lutheran Church and schoolhouse, outcropping ledge in field, southwest of road; aluminum tablet stamped "A 1212"	1, 212. 822
From Sharon northwest to Sharon Springs station.	
Sharon Center, schoolhouse; north end of doorsill	
Sharon Springs, in front of station; top of rail	1, 353. 7
From Sharon Springs station northwest to Sprout Brook, thence east to Ames.	
Sprout Brook, 1 mile south of, at road corner; south end of school-house doorsill	783. 73
Hessville, 0.5 mile south of schoolhouse, 150 feet north of road to west, opposite house and 15 feet east of road, in bowlder 8 feet broad; aluminum tablet stamped "A 826"	825. 987
From Fort Plain west to Hallsville.	
Fort Plain, Erie Canal lock 32, towpath coping, end of anchor, northeast gate; chiseled cross within circle (Canal b. m. 171)	312. 151
Fort Plain, Union Free School, Division Street front, water table 1 foot from south corner; aluminum tablet stamped "A 316"Fort Plain, 1.5 miles west of, Valley schoolhouse; west end of door-	317. 090
Sill	394. 53
Hallsville, south end of cheese factory, stone foundation, 1 foot from east corner; aluminum tablet stamped "A 509"	509. 242
CANANDAIGUA QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 77° 15'-77° 30'.]	
Primary leveling in 1899 and 1901 by C. H. Semper and W. F. Hammond.	
From Canandaigua west along the New York Central & Hudson River R. R. to East Bloomfield.	
Canandaigua Lake, at outlet; surface of water September 13, 1899 Canandaigua, southwest corner of courthouse, in foundation wall;	684. 8
bronze tablet stamped "766 Oswego 1899" Holcomb, in front of station; top of rail East Bloomfield, southeast corner of hotel; aluminum tablet stamped	766. 916 877. 0
"1017 Oswego 1899"	1, 016. 760
From Manchester west along the Lehigh Valley R. R. to Fishers, thence north to Bushnell Basin.	
Tuttles, in top of large bowlder 500 feet south of station; bronze tablet stamped "599 Oswego 1899"	500 506
Victor, 1,500 feet east of, in south end of east abutment of railway cattle pass; bronze tablet stamped "559 Oswego 1899"	599, 596 560, 099
From Wheeler south along highway via Braggville to Bristol Center (single-spur line).	
Bristol Center, northwest corner of Methodist Episcopal Church, in	
foundation wall; bronze tablet stamped "931 Oswego 1899"	930. 898

From point 2 miles east of Canandaigua south on east side of Canandaigua Lake (single-spur line).	1
that the suggest it they was in the same area, and has	Feet.
Canandaigua Lake, surface of water September 9, 1899	
Cottage City, on Lake road, east side of Canandaigua Lake, south	
wall of bridge, in top of east end; bronze tablet stamped "718 Oswego 1899"	719 504
OSHIGO 1000	. 713. 594
CANASERAGA QUADRANGLE.1	
[Latitude 42° 15'-42° 30'; longitude 77° 45'-78°.]	
Precise leveling in 1898 by E. L. McNair.	(Lincoln)
At Alfred.	
Alfred, 0.4 mile south of, east end of bridge 4 over road and creek;	a signale
top of north rail	
Alfred, Erie station, water table under front office window, facing	
track; aluminum tablet stamped "1610 D"	1, 611, 391
Precise leveling in 1902 by D. H. Baldwin.	
From Swain east-along Erie R. R. to Canaseraga.	
Swain, 1.7 miles north of, southeast corner of steel-girder bridge	and the same
over small stream, on parapet wall; chiseled square	
Swain, north of the Pittsburg, Shawmut & Northern R. R. station,	INTERNAL
near southwest corner of highway bridge, south of railroad, in	
west wing wall, on large flat stone; chiseled squareSwain, 200 feet south of Erie R. R. station, small Union Church,	1, 298. 58
northwest corner of, in foundation wall; aluminum tablet stamped	
"1316 Rochester 1902"	1, 316. 658
Swain, in front of Erie station; top of north rail	1, 307. 5
Swain, 0.4 mile southeast of, northwest corner of bridge 9, on coping	1 007 10
stone of foundation; chiseled squareSwain, 1.79 miles southeast of, northeast corner of bridge 8, on	
parapet wall; chiseled square	
Garwood, in front of station; top of south rail, northbound track	1, 274. 9
Canaseraga, 0.2 mile northwest of, northeast corner of bridge 64, on	
foundation stone; chiseled square Canaseraga, in front of station, westbound track; top of south rail	1, 260. 33
Canaseraga, Kingston Hotel, southwest corner, in water table; alu-	1, 257. 0
minum tablet stamped "1253 Rochester 1902"	1, 252, 973
Leveling in 1914 by A. J. Kavanagh.	
From Swain south along Pittsburg, Shawmut & Northern R. R. to Angelica.	
Swain, 200 feet south of Erie R. R. station, northwest corner of small	
Union Church, in foundation wall; aluminum tablet stamped "1316 Rochester 1902"	1 316 650
Swain, 1.42 miles south of, on Shawmut R. R., on west side of small	1, 910, 098
stone culvert; chiseled square, painted "U. S. T. B. M. 1414"	1, 414. 13
Swain, 2.56 miles south of, 0.17 mile south of road crossing, on small	
boulder 6 feet southeast of track; chiseled square painted "U.S.	1 500 00
T. B. M. 1506"Grove, opposite station; top of rail	1, 506, 22
***	T, OTT. 0

Grove, 0.33 mile southwest of station, in northeast wing of concrete	
overhead crossing, top tier; bronze tablet, stamped "1639"	1, 639. 629
Grove, 1.08 miles southwest of, 0.2 mile north of switch, on boulder	
25 feet east of track; chiseled square, painted "U. S. T. B. M.	
1704 "	1, 704. 27
Center, 0.3 mile northeast of, on boulder 5 feet west of track;	
chiseled square, painted "U. S. T. B. M. 1710.2"	1,710.36
Center, opposite station, top of rail	
Center, 1.06 miles southwest of station, 0.15 mile north of sign	
"Tracys", 30 feet west of track, in boulder at foot of two small	
poplar trees; bronze tablet stamped "1770"	1,770.605
Birdsall, 0.32 mile northeast of station, 180 feet north of sawmill	
crossing, on boulder 6 feet east of track; chiseled square painted	
"U. S. T. B. M. 1743"	1, 743. 62
Birdsall, opposite station; top of rail	
Birdsall, 0.56 mile southwest of, in top of south side of wooden cul-	And American
vert; copper nail and washer painted "U. S. T. B. M. 1713.5"	1, 713, 75
Birdsall, 2.04 miles southwest of, 210 feet north of road crossing, at	
foot of telegraph pole W-28, on stone culvert; chiseled square	
painted "U. S. T. B. M. 1651"	1, 651, 44
Scholes, in front of station; top of rail	
Scholes, 1.63 miles southwest of, 250 feet south of road crossing, in	1, 021, 1
boulder 6 feet east of track; bronze tablet stamped "1608"	1 608 508
Bennett, 0.81 mile northeast of, at south end of long siding, in	1,000.000
switch block; copper nail and washer painted "U. S. T. B. M.	
1591"	1 501 00
Bennett, opposite station; top of rail	
Bennett, opposite station, top of fair	1, 000. 1
small bridge; copper nail and washer painted "U. S. T. B. M.	
sman bridge; copper han and washer painted C. S. I. B. M. 1584"	1 504 90
	1, 504. 20
Bennett, 1.14 miles southwest of, in boulder 6 feet east of track;	1 545 650
bronze tablet stamped "1545"County House, 0.6 mile northeast of, 110 feet north of road crossing,	1, 545. 655
on east side concrete culvert; chiseled square painted "U. S. T.	1 511 00
B. M. 1511"	1, 511. 82
County House, 270 feet northeast of station, on top course, southwest	
abutment of railroad bridge; chiseled square painted "U. S. T.	1 701 00
B. M. 1501"	1, 501. 92
County House, 0.53 mile west of, in southeast corner concrete abut-	1 100 100
ment of railroad bridge; bronze tablet stamped "1486"	1, 486. 192
From County House along highways east to Blinn's Four Corners, thence south to Phillips Creek, thence east to Alfred station.	
to immips brook, then to take to immediate and the same of the sam	
Blinn's Four Corners, in yard of brown house, 4 feet from road, on	
small boulder; chiseled square painted "U. S. T. B. M. 1621"	1, 620. 87
Blinn's Four Corners, 500 feet south of, in boulder 4 feet west of	
road; bronze tablet stamped "1645"	1, 645, 428
Blinn's Four Corners, 1.10 miles south of, on large sandstone boulder;	I deputable
chiseled square painted "U. S. T. B. M. 1825"	1, 824. 56
Blinn's Corners, 2.16 miles south of, 1.07 miles north of crossroad,	bestreen
on Phillips Creek road, on small boulder 6 feet south of road;	
chiseled square painted "U. S. t. b. m. 1852"	1, 852, 32
104787°—Bull 671—18——3	
DELOT - DIREDUL-10	

Phillips Creek, 0.75 mile west of, on top of stump 6 feet south of road;	
copper nail and washer painted "U. S. t. b. m. 1803"Phillips Creek, in southwest abutment of bridge at cheese factory;	1, 802. 92
bronze tablet stamped "1836"	1, 836, 568
Phillips Creek, 1.45 miles east of, on boulder beside small sluiceway;	0.400.00
chiseled square marked "U. S. t. b. m. 2169" Five Corners, 1 mile west of, in front of abandoned house, on horse	2, 168. 99
block; chiseled square painted "U. S. t. b. m. 2258"	2, 257. 67
Five Corners, in west end of south side of small bridge; bronze tablet	
stamped "2034"	2, 034. 455
Alfred, 1.49 miles west of, on south side concrete culvert; chiseled square painted "U. S. t. b. m. 2116"	2 115 76
Alfred, 0.7 mile west of, at edge of village, on north side concrete	
culvert; chiseled square painted "U.S. t. b. m. 1842.6"	1, 842. 63
Alfred, Main Street, in northwest wing wall of bridge; bronze tablet stamped "1730"	1 720 010
Alfred station, 1.06 miles west of, on south side concrete culvert;	1, 150. 019
chiseled square painted "U.S. t. b. m. 1638.1"	1, 638. 14
Alfred station, Erie station, water table under front office window	
facing track; aluminum tablet stamped "1611 D"	1, 611. 391
CANTON QUADRANGLE.	
[Latitude 44° 30'-44° 45'; longitude 75°-75° 15'.]	
Primary leveling in 1904 by G. M. Dimmick and in 1908 by F. B. Northrup.	
From De Kalb Junction northeast along Rome, Watertown & Ogdensburg R. R. to Canton, thence north along highway to Madrid.	
Canton, 5.5 miles southwest of, 9 feet south of railroad, 6 feet east of	
west line fence of highway, in granite ledge; chiseled square	
marked "389.7"	389. 82
Canton, 4.0 miles southwest of, 12 feet south of railroad, 21 feet north of south line fence, in granite ledge; aluminum tablet	
stamped "398"	397. 971
Canton, 1.0 mile southwest of, on southwest corner of railroad bridge	
abutment; chiseled square marked "367.6"	366. 55
Canton, town hall, east end of top step of main entrance; aluminum tablet stamped "362"	363, 132
Canton, 3.4 miles north of, at T road east, beside old State road, on	Landania I
granite boulder; chiseled square marked "375"	375. 09
Canton, 4.5 miles north of, on old State road, in granite boulder, 720 feet north of farmhouse of H. E. & H. F. Egglestone, 10 feet west	
of center of road; aluminum tablet stamped "349"	349, 045
Canton, 6.5 miles north of, on old State road, 15 feet east of center of	
road, on granite boulder; chiseled square marked "331.9"	330. 93
Madrid, 3.9 miles south of, on old State road, on farm of J. W. Wright, 525 feet northeast of crossroad, 130 feet east of center of	e amiliti
road, in granite boulder; aluminum tablet stamped "315"	314. 398
Madrid, 1.9 miles south of, on old State road, 15 feet west of center	T ROOMS
of road, 17 feet east of west line fence, on stone; chiseled square	
1-1 ((077.0))	0=0 0=
marked "357.2"Madrid, in foundation wall of Methodist Church, center of east face;	356. 25

bronze tablet stamped "320"______ 319.557

From Norwood west along highway to Madrid Springs.

Norwood, in foundation wall of Music Hall, north end of east face, 28	Feet.
inches above ground; aluminum tablet stamped "330"	330. 237
Norwood, 1.2 miles west of, in old stone culvert at public highway	
crossing, 18 feet from center of track, 24 feet west of center of	
road, 3 feet west of north-south line fence; chiseled square marked "330.2"	330, 57
Norwood, 3.2 miles west of, 18 feet north of south line fence, 28 feet	550, 51
south of center of track, in granite boulder; aluminum tablet	
stamped "328"	328. 141
Madrid, 2.0 miles east of station, 33 feet northeast of center of track,	
15 feet north of center of road, 18 feet south of north line fence,	200 10
on granite boulder; chiseled square marked "308.6"	309. 18
From Madrid Springs west along highway to Lisbon.	
Madrid, 1.1 miles south of, 0.5 mile east of Madrid station, on north	
end of east abutment of railroad bridge over Grass River; chisel	
mark; abutment marked "296.6"	295. 629
Madrid, 3.9 miles west of station, 65 feet north of railroad, 21 feet	
north of north line fence, in granite outcrop; aluminum tablet stamped "323"	200 000
Lisbon, in foundation wall of Methodist Church, center of south face:	322, 668
bronze tablet stamped "357"	357. 696
From Canton east along highways via Crary Mills to Colton.	
The state of the s	
Canton, town hall, east end of top step of main entrance; aluminum	
tablet stamped "362"Canton, 2.9 miles southeast of, T road east to Crary Mills, on boulder	363. 132
west of junction; paint mark; boulder marked "377.8"	377. 91
Canton, 3.0 miles southeast of, T road east, 600 feet south of bridge	911. 91
over Granite Brook, north abutment, west bridge seat; aluminum	
tablet stamped "363"	363, 957
Crary Mills, west abutment of bridge over Granite Brook, southwest	
corner of abutment; aluminum tablet stamped "462"	463. 383
Crary Mills, 3.1 miles southeast of, southeast abutment of bridge	iler -
over Leonards Brook; aluminum tablet stamped "597"	597. 404
CARTHAGE QUADRANGLE,1	
[Latitude 43° 45′-44°; longitude 75° 30′-75° 45′.]	
Precise leveling in 1900 by C. H. Semper.	
From Castorland northwest along Rome, Watertown & Ogdensburg R. R. to Carthage.	
Castorland, 1,600 feet south of station, bridge over Snake Creek, top	
of north abutment, west side; bronze tablet stamped "738 Albany	
1900 "	738. 346
Castorland, in front of station; top of rail	746. 2
Deer River, in front of station; top of rail	741. 2
Carthage, iron highway bridge over Black River, end of bridge rail 10 feet west of railroad, top of wing wall, east end; bronze tablet	
stamped "741 Albany 1900"	742, 143
Carthage, in front of station; top of rail	737. 4

Primary leveling in 1902 by J. B. Maguire.

From 1	Lowville	west	along	highway	to	Gardners	Corners,	thence	north	via
	Co	penha	gen to	Champion	1, t	hence east	to Carth	age.		

Gardners Corners, about 5.2 miles east of, northwest corner of	
foundation of school No. 14 in Martins Township; bronze tablet	Feet.
stamped "1700 Albany"	1,700.643
Gardners Corners, northwest corner of post office and general store;	
bronze tablet stamped "1697 Albany"	1,697.560
Copenhagen, highway bridge over Deer River, in north wing of west	
abutment; aluminum tablet stamped "1174 Albany"	1, 174. 462
Champion, 400 feet south of crossroads, west wall of culvert; bronze	
tablet stamped "1011 Albany"	1 010 791

CATSKILL QUADRANGLE,1

[Latitude 42°-42° 15'; longitude 73° 45'-74°.]

Primary leveling in 1900 by George Bailey.

At Hudson.

Hudson, on northeast end of upper station, 1 foot from ground	und;
bronze tablet stamped "Albany 151"	151. 543
Hudson, Diamond Street; crossing electric railway and railroad_	151.1

CATTARAUGUS QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 78° 45'-79°.]

Precise leveling in 1898 by E. L. McNair.

From Perrysburg southeast along Erie R. R. to Cattaraugus.

Perrysburg, in front of Erie station; top of rail	1, 265. 1
Perrysburg, 400 feet east of waiting room of Erie station, in keystone	
at north end of arch culvert under railway; bronze tablet stamped	
"1261 D"	1, 262. 417
Dayton, 950 feet north of Erie station, 37.5 feet east of center of track,	
coping of tunnel underneath Erie track, second stepstone from top;	
bronze tablet stamped "1322 D"	1, 322, 926
Dayton, in front of Erie station; top of rail	1, 337. 1
Cattaraugus, Union School building, in water table at right of main	
entrance; bronze tablet stamped "1401 D" (possibly restamped	
"1384 D")	1, 385. 631
Cattaraugus, in front of Erie station; top of rail1	1, 415. 2

Primary leveling in 1905 by R. P. Thompson.

From Collins station along Pennsylvania R. R. to Dayton.

Collins station, in southeast corner of building owned by F. Mathan,	
in water table; bronze tablet stamped "875 Adj 1903"	875. 150

¹ See Bull. 514, p. 46, for additional elevations.

CAZENOVIA QUADRANGLE.1

[Latitude 42° 45'-43°; longitude 75° 45'-76°.]

Primary leveling in 1897 by Clark Brown.

From Apulia east to Fabius.

Fabius, 100 feet west of crossroads, Main and Cemetery streets, in wall under west window of flat-roofed frame house; tablet stamped "1284 S"	Feet. 1, 284, 670
From Fabius northeast to Delphi, thence north to Oran.	
Oran, 1.5 miles southeast of, 1.5 miles southeast of railroad crossing of Cherry Valley turnpike, 500 feet northwest of rock cut, on north coping of cattle pass; chiseled squareOran, 300 feet west of church, 20 feet north of road, copper bolt in	
prominent boulder; stamped "S 793"	793, 678
From Fabius south via Keeney to Cuyler.	
Fabius, 1.75 miles south of, east end of south abutment of iron bridge; chiseled square	1, 229. 79
Keeney, 500 feet east of schoolhouse, northeast wing of iron bridge, top stone; chiseled square	1, 209. 31
Cuyler, 1 mile northeast of, near end of northeast wing of iron bridge over Tioughnioga River; chiseled square	1, 206. 31
From Cuyler north via Deruyter to Deruyter reservoir.	
Downston foundation of water tools in contras side next to tracks	
Deruyter, foundation of water tank, in coping, side next to track; iron bolt	1, 284, 70
Deruyter reservoir dam, west end of, south parapet of spillway arch, east end, face corner of coping; copper bolt stamped "1286 S"	
From Deruyter northeast to Sheds Corners, thence east to near Georgetown, thence north to Erieville.	
Deruyter, 2.5 miles north of by 0.5 mile east of, railroad bench mark	
92, reservoir road, opposite old sawmill, south parapet of railroad culvert; iron bolt set in lead	1 910 110
Sheds Corners station, 600 feet south of, Tioughnioga River railroad bridge, north abutment, west end parapet; iron bolt set in cement	open offers
(railroad bench mark 94) Sheds Corners station, 600 feet south of, railroad bridge over Tioughnioga River, bridge seat, west end of south abutment; copper bolt	1, 386. 053
stamped "1383 S"	1, 384. 360
Georgetown, 1.5 miles west of, on road to Sheds Corners, 75 feet north of road to Erieville, 20 feet north of brook, 15 feet west of road, 4	
feet east of road fence; iron post stamped "S 1538" Erieville, railroad bridge over road south of, on top stone, south end	1, 538. 754
west abutment; chiseled square	1, 619. 10

¹ See Bull. 514, pp. 82-83, for other elevations.

From Erieville north via Nelson to Fenner, thence southwest to Cazenovia, thence northwest to Oran.

Erieville, reservoir gatehouse, 6 feet west of door, in projection of bottom course; copper bolt stamped "1473 S"	
Nelson, 500 feet south of crossroads, on face corner of bottom stone,	
east end of north abutment of bridge; chiseled square	1, 432. 24
Fenner, 1 mile south of, 1,000 feet north of Peterboro turnpike, 150	
feet south of orchard, 75 feet west of road, in outcrop; copper bolt	
stamped "1466 S "	1, 467. 544
Cazenovia, 942 feet south of Lehigh Valley R. R. station; iron pin in	
northwest corner of north abutment (railroad bench mark 103)	1, 187. 713
Cazenovia, south entrance of chapel building of seminary, water table	
under pilaster at east side of door; bronze tablet stamped "S 1246"_	1, 247. 392
Cazenovia, West Shore R. R. pumping station, foundation of water	
tank, north pedestal next to track; chiseled square	1, 196. 99
Cazenovia, 2 miles northwest of West Shore R. R. station, highest	
point of stone monument over tunnel, 40 feet north of road	1, 265. 14

CHATEAUGAY QUADRANGLE.

[Latitude 44° 45'-45°; longitude 74°-74° 15'.]

Leveling in 1913 by A. J. Kavanagh.

From point 6.1 miles northwest of Star southwest along Rutland R. R. to near Malone Junction.

18 INC 1 TO THE PROPERTY OF TH	
Chateaugay, 3.64 miles east of, 200 feet west of where Marble River	
crosses Rutland R. R., on boulder 40 feet north of track; chiseled	
square painted "U. S. B. M. 1062"	1, 062. 17
Chateaugay, 2.89 miles east of, 0.3 mile west of point where County	
Line road crosses Rutland R. R., in large boulder in base of fence;	
bronze tablet stamped "1049"	1, 049. 125
Chateaugay, 1.6 miles east of, at point where old military turnpike	
crosses Rutland R. R., on south wing of overhead crossing; chis-	
eled square painted "1014"	1, 013. 78
Chateaugay, 0.85 mile east of, 0.45 mile west of road to south, in bot-	
tom of telegraph pole 25 feet north of track; top of railroad spike	
painted "U. S. B. M. 996"	995. 90
Chateaugay, 230 feet west of station, 15 feet south of track, in con-	
crete supporting wall of sidewalk; bronze tablet stamped "972"	971.600
Chateaugay, 1.34 miles west of, in base of wooden viaduct, middle of	
north side; copper nail and washer painted "U. S. T. B. M. 941.6"_	941. 33
Chateaugay, 2.55 miles west of, 65 feet east of milepost 0.71, 25 feet	
north of track, on boulder back of telephone pole; chiseled square	
painted "U. S. T. B. M. 903"	902. 44
Burke, 0.42 mile east of station, 155 feet east of road forks, on south	
side of concrete culvert; bronze tablet stamped "885"	884. 321
Burke, in front of station; top of rail marked "876"	875.6
Burke, 0.64 mile west of station, 85 feet east of railroad crossing, on	
south wing of concrete culvert, on highway; chiseled square	
painted "U. S. T. B. M. 856.5"	856. 12
Burke, 1.67 miles west of, at road crossing, 6 feet south of track, on	
east end of wooden sluiceway; copper nail and washer painted	
"U. S. T. B. M. 832.3"	831.89

Burke, 3.1 miles west of, 0.6 miles east of road crossing, 50 feet north of track, in boulder near fence; bronze tablet stamped "793"Malone Junction, 2.1 miles east of, 390 feet east of road crossing, on north side stone culvert; chiseled square painted "U. S. T. B. M.	Feet. 792. 227
769.9 "	769. 49
From point near Burke along highways north and west to point northeast of Constable.	
Burke, 0.42 mile east of station, 155 feet east of road forks, in south side of concrete culvert; bronze tablet stamped "885"	884, 321
Burke, 1.55 miles east of station, on bottom stone of northeast wing of overhead crossing; chiseled square painted "U. S. T. B. M.	al cost of
886.5" Thayers Corners, 0.2 mile north of, at schoolhouse road fork, on rock	886. 20
20 feet east of north-south road; chiseled square painted "U. S. T. B. M. 736.6"	736. 22
Thayers Corners, 1.41 miles north of, 205 feet south of road to east, 30 feet west of road, in boulder beside fence; bronze tablet stamped	FOT 100
"597" Thayers Corners, 2.23 miles north of, in bridge over creek, on top of stone of southwest abutment; chiseled square painted "U. S.	597. 166
T. B. M. 504.8" Thayers Corners, 3.35 miles north of, 90 feet north of north corner	504. 41
of Burke schoolhouse, 15 feet east of road, on boulder in fence; chiseled square painted "U. S. T. B. M. 502.2"	_ 501. 89
Thayers Corners, 5.06 miles north of, 0.21 mile west of turn in road, in George Marsh's barnyard, 50 feet south of barn in granite	
boulder; bronze tablet stamped "393" Thayers Corners, 6.33 miles northwest of, 520 feet east of John	392. 519
Bush's farmhouse, 15 feet north of road on small boulder; chiseled square painted "U. S. T. B. M. 356.4"Thayers Corners, 7.34 miles northwest of, at entrance to Mrs. Sarah	356. 04
Price's farm, at west side of driveway on boulder 3 feet from road; chiseled square painted "U. S. T. B. M. 341"	340, 27
Thayers Corners, 8.07 miles northwest of, opposite Luke Fee's farm-house, 35 feet south of road in sandstone boulder; bronze tablet	
stamped "309"Constable, 4.65 miles north of station, 0.3 mile east of railroad on	308. 597
southeast abutment of bridge over "Susie's Brook," top stone; chiseled square painted "U. S. T. B. M. 277"Constable, 3.7 miles north of station, 290 feet south of milepost	276. 70
M 9, 800 feet north of road crossing, in southwest corner of concrete cowpass; bronze tablet stamped "296"	295. 891
From point near Burke along highways south and southeast to point northwest	and Green in the contract of t
of Lyon Mountain. Burke, 0.42 mile east of station, 155 feet east of road forks, on south	
side of concrete culvert; bronze tablet stamped "885"Burke, 1.32 miles south of, 750 feet north of Trout River bridge, on	884. 321
rock 12 feet west of road; chiseled square painted "U. S. T. B. M. 973"	972, 53
Burke, 2.18 miles south of, on rock 20 feet west of road, beside fence; chiseled square painted "U. S. T. B. M. 1096.6"	1, 096. 27

Burke, 3.2 miles south of, 2.55 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house;	Feet.
bronze tablet stamped "1176"	restal products
north, on granite boulder 12 feet north of road; chiseled square painted "U. S. T. B. M. 1302.9"	1, 302. 41
Belmont Center, at road forks at church, on boulder at foot of tele- phone pole, 12 feet south of road; chiseled square painted "1326.3"_	
Belmont Center, 0.82 mile southeast of church, 245 feet east of Joseph Bushey's house, in granite boulder 10 feet north of road; bronze	
tablet stamped "1421"	1, 420. 436
Belmont Center, 1.64 miles southeast of church, in bridge over creek, at east end of north side; copper nail and washer painted	
"U. S. T. B. M. 1330"Belmont Center, 2.94 miles southeast of church, in front of brown	1, 329. 63
house on south side of road, on large boulder beside road; chiseled square painted "U. S. T. B. M. 1641.5"	1, 641, 00
Chateaugay Lake village, at crossroads west of bridge, on west side of concrete culvert; bronze tablet stamped "1351"	
Chateaugay Lake, 0.36 mile south of Banner House, on large boulder 10 feet west of road; chiseled square, painted "U. S. T. B. M.	1, 550. 455
1315 "	1, 314. 82
Chateaugay Lake, 1.14 miles south of Banner House, on east side of concrete culvert; chiseled square painted "U. S. T. B. M. 1324"_	1, 323. 61
Lyon Mountain, 8 miles north of, west side of road, 3 feet east of clump of 5 small maple trees, 10 feet from intersection, on top of	arrents to
boulder; chiseled square	1, 331. 13
From point 3.2 miles south of Burke along highways west, south, east, and northeast to Chateaugay Lake.	
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house;	
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 176. 082
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183. 89
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183. 89
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183, 89 1, 204, 31
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183. 89 1, 204. 31 1, 217. 042
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183, 89 1, 204, 31 1, 217, 042 1, 247, 52
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183, 89 1, 204, 31 1, 217, 042 1, 247, 52
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183, 89 1, 204, 31 1, 217, 042 1, 247, 52 1, 242, 09
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183. 89 1, 204. 31 1, 217. 042 1, 247. 52 1, 242. 09 1, 254. 789
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183. 89 1, 204. 31 1, 217. 042 1, 247. 52 1, 242. 09 1, 254. 789
Burke, 3.2 miles south of, 255 feet east of where road turns east, in boulder under spruce tree in front of James Gardner's house; bronze tablet stamped "1176"	1, 183, 89 1, 204, 31 1, 217, 042 1, 247, 52 1, 242, 09 1, 254, 789 1, 421, 12

Kingville, 1.59 miles east of, 0.72 mile east of O'Donnell's camp, on	Feet.
boulder in middle of wood road; bronze tablet stamped "1619"	1, 618. 380
Kingville, 2.37 miles east of, on side of road to "Lot 46 Camps" on	
boulder; chiseled square painted "U. S. T. B. M. 1692"	1, 691. 78
Kingville, 3.29 miles east of, on boulder in wood road (old tote road	
to Rabbit Inn); chiseled square painted "U.S.T.B.M. 1788"	1, 787. 87
Chateaugay Lake, 4.84 miles south of, 1.45 miles south of Rabbit Inn,	
on Fred Hoy's tote road, in rock beside road; bronze tablet stamped	
"1920"	1, 920, 177
Chateaugay Lake, 3.85 miles south of, 0.45 mile south of Rabbit Inn,	
on boulder in middle of tote road; chiseled square painted	1 004 00
"U. S. T. B. M. 1605"	1, 604. 88
Chateaugay Lake, 2.8 miles south of, 0.8 mile north of Rabbit Inn, 15 feet east of road on large boulder; chiseled square painted	
"U. S. T. B. M. 1573"	1 579 69
Chateaugay Lake, 2.17 miles south of, on Hoy's tote road, 0.7 mile	1, 012.00
south of main road, in granite bowlder 6 feet east of road; bronze	
tablet stamped "1645"	1, 644, 418
Chateaugay Lake, 1.47 miles south of where Hoy's tote road leaves	
main road, on boulder at fork; chiseled square painted "U. S.	
T. B. M. 1619 "	1, 619. 24
Chateaugay Lake, 0.85 mile south of, at three corner on hill, on	
boulder at corner; chiseled square painted "U.S. T. B. M. 1524"	1, 524. 03
Chateaugay Lake, at crossroads, west of bridge, in west side of con-	
crete culvert; bronze tablet stamped "1351"	1, 350. 459
The state of the s	
From Whippleville southeast along New York Central & Hudson River R. R. to Owls Head.	
Whippleville, 720 feet south of station, on southwest wing of stone	444.00
culvert; chiseled square painted "U. S. T. B. M. 1112.4"	1, 111. 93
Whippleville, in front of station; top of rail, marked "1103.7"	1, 103. 3
Whippleville, 1.34 miles south of station, 475 feet south of milepost	
168, on granite bowlder, 25 feet east of track; chiseled square painted "U. S. T. B. M. 1211.4"	
painted "U. S. T. B. M. 1211.4	1 210 97
Charm Falls 100 miles north of station in northeast wing of con-	1, 210. 97
Chasm Falls, 1.09 miles north of station, in northeast wing of con-	
crete overhead crossing; bronze tablet stamped "1270"	
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on	1, 269. 159
crete overhead crossing; bronze tablet stamped "1270" Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"	1, 269. 159
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted	1, 269. 159 1, 312. 18
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9"	1, 269. 159 1, 312. 18
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9"	1, 269. 159 1, 312. 18 1, 327. 46
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159
crete overhead crossing; bronze tablet stamped "1270"Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7"Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159
crete overhead crossing; bronze tablet stamped "1270" Kingville, 3.5 miles west of, at T road, 0.3 mile east of railroad, on large granite boulder; chiseled square painted "1310.7" Chasm Falls, 0.27 mile south of station at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted "U. S. T. B. M. 1327.9" Chasm Falls, 1.09 miles north of station in northeast wing of concrete overhead crossing; bronze tablet stamped "1270" Chasm Falls, in front of station; top of rail marked "1302.9" Chasm Falls, 0.27 mile south of station, at grade crossing, 35 feet southwest of crossing, on granite boulder; chiseled square painted	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159 1, 302. 4
crete overhead crossing; bronze tablet stamped "1270"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159 1, 302. 4
crete overhead crossing; bronze tablet stamped "1270"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159 1, 302. 4
crete overhead crossing; bronze tablet stamped "1270"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159 1, 302. 4 1, 327. 46
crete overhead crossing; bronze tablet stamped "1270"	1, 269. 159 1, 312. 18 1, 327. 46 1, 269. 159 1, 302. 4 1, 327. 46

CHAUTAUQUA QUADRANGLE.

[Latitude 42°-42° 15'; longitude 79° 15'-79° 30'.]

Primary leveling in 1902 by G. M. Dimmick.

From Woogli	n southeast along	Jamestown,	Chautauqua	&	Lake	Erie	Ry.	via
	Chautau	qua Point to	Jamestown.					

Chautauqua Point to Jamestown.	ST TO LIBOUR.
Chartenana Beint in front of station to a facility	Feet.
Chautauqua Point, in front of station; top of south rail	1, 323. 2
Dewittville, in front of station; top of south rail	
Dewittville, foundation wall of Methodist Church, 7.5 feet west of	
southeast corner, in southern side; bronze tablet stamped "1319	
Dunkirk"	1, 319. 864
Starr Farm, in front of station; top of south rail	1, 314. 4
Midway Grove; top of south rail	1, 317. 7
Midway, highway crossing near station; top of south rail Warners, in front of station; top of south rail	1, 319. 8
Giffords, in front of station; top of south rail	1, 313. 0
Bay View, in front of station platform; top of south rail	1, 515. 0
Bemus Point, in front of station; top of south rail	
Bemus Point, 440 feet south of station, west side of Cemetery Street,	1, 598. 8
on the southerly side of A. G. Barrett's residence, in foundation	
wall of bay window, bronze tablet stamped "1345 Dunkirk"	1 945 590
Phillips Mills, in front of station; top of south rail	
Colburns, in front of station; top of south rail	
Belleview, in front of station; top of south rail	
Driftwood, in front of station; top of south rail	
Griffith, in front of station; top of south rail	1 318 9
Greenhurst, in front of station; top of south rail	1 324 3
Fluvanna, in front of station; top of south rail	1, 313, 0
Fluvanna, Chautauqua Lake, June 13, 1902; water surface	1. 308
Jamestown, Isabella Avenue; top of south rail	
Land of the state of states, 475 Astronomical addition value and	LIVE OF BREET
From Bemus Point along highway northeast to Ellery (single-spur line).	
Ellery, Cowden Bros.' store, in foundation wall, north face; bronze	
tablet stamped "1758 Dunkirk 1902"	1, 758, 450
the same to the same to the parties and the parties of the same to	Marin States
From Jamestown southwest along Erie R. R. to Niobe (Grant station), thence north along highway to Panama, thence west to North Clymer.	
20 Contain delega sebashi sala dini 22021	
Jamestown, 3,750 feet west of north end of east abutment of Erie	
R. R. bridge over Chautauqua Outlet, in bridge seat; bronze tablet	R P B
stamped "1324 Dunkirk 1902"	
Lakewood, highway crossing near station; top of north rail	1, 352. 1
Lakewood post office, on east side of Chautauqua Avenue, 4 feet east	
of southwest corner of R. H. Maxim's building (post office), on	. 004 040
south side; aluminum tablet stamped "1362 Dunkirk"	
Ashville, in front of station; north rail	
Watts Flats, in front of station; top of north rail	1, 452. 7
Niobe, north end of brick wall, west abutment of Erie R. R. bridge,	100 700
600 feet west of depot; bronze tablet stamped "1434 Dunkirk"	1, 433. 522
Panama, Hotel Berny, north face, east corner, in water table; aluminum tablet stamped "1551 Dupkink"	EEO 007

num tablet stamped "1551 Dunkirk"_____ 1, 550. 667

CHERRY CREEK QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 79°-79° 15'.]

Precise leveling in 1898 by E. L. McNair.

Sheridan, in front of Erie station; top of rail	From Sheridan east alo	ng Erie R. R. to Smiths Mills.	Feet.
Forestville, 530 feet west of entrance to waiting room of Erie station, at northeast corner of iron bridge over highway, in bridge seat, 7 feet north of center of track; bronze tablet stamped "871 D" possibly restamped "1348 D" 871. 888 Forestville, in front of Erie station; top of rail 875. 5	Sheridan, in front of Erie static	on: top of rail	
at northeast corner of iron bridge over highway, in bridge seat, 7 feet north of center of track; bronze tablet stamped "871 D" possibly restamped "1348 D" 871. 888 Forestville, in front of Erie station; top of rail 875. 5			
feet north of center of track; bronze tablet stamped "871 D" possibly restamped "1348 D" 871. 888 Forestville, in front of Erie station; top of rail 875. 5		Transfer Man Charles and Charl	
sibly restamped "1348 D" 871. 888 Forestville, in front of Erie station; top of rail 875. 5			
Forestville, in front of Erie station; top of rail 875.5			871, 888
			77.10
Smiths Mills, in front of Erie station; top of rail1,010.7			and the same
Smiths Mills, 2.3 miles east of, 10.5 feet north of center of railway			THE RESERVE OF
track, under west end of overhead highway bridge; bronze tablet			
in foundation stone stamped "1097 D 1898" 1,098.628			1, 098, 628
	LEST MILLEN DE LA COMPANION DE		
Primary leveling in 1898 by E. L. Faison.	Primary leveling	in 1898 by E. L. Faison.	
From Cassadaga east to Cherry Creek.	From Cassadaga	east to Cherry Creek,	
Charlotte Center, 1.6 miles east of, 640 feet east of road turning off	Charlotte Center, 1.6 miles east	of, 640 feet east of road turning off	
south, in stone 12 feet north of road, 6 inches above ground; copper	The state of the s	the state of the s	
bolt stamped "1915 D"1, 915. 887		The state of the s	1, 915, 887
Cherry Creek, in west side of north abutment of Main Street iron			Bout named
bridge over Cherry Creek; copper bolt stamped "1309 D" 1,310.510			1, 310, 510
Cherry Creek, 400 feet south of station, northwest corner of abutment		CALLET IN THE STATE OF THE STAT	Liftin maillen
of plate-girder bridge over Erie Railroad; cross mark on top 1, 293.77			1, 293. 77
THE RESERVE THE PARTY OF THE PA	AND THE RESERVE OF THE PARTY OF	STATE OF THE PARTY OF THE PARTY.	
From Cherry Creek northwest via Arkwright to Laona.	The All 19 And 1		

ton 00 mile root of 15 feet wently of son

Arkwright Center, 0.9 mile east of, 15 feet north of center of ros	id,
large stone in place, 2 feet above ground; copper bolt stamp	ed
"1570 D"	1, 571, 006

CHILDWOLD QUADRANGLE.

[Latitude 44° 15'-44° 30'; longitude 74° 30'-74° 45'.]

Precise leveling in 1900 by C. H. Semper.

At Kildare.

Kildare,	350 feet north	of station,	in large l	ooulder 8 fee	t east of	
rail; br	onze tablet sta	imped "1528	Albany 19	900 "	1	, 527. 874

Primary leveling in 1902 by A. T. Fowler.

From Horseshoe north along highway to Lake Massawepie, thence southeast to Childwold station.

Lake Massawepie, east side of, in yard of camp owned by Hote	el
Childwold, 30 feet west of road, east of two houses, in boulder	in the bearing
bronze tablet stamped "1540 Albany"	_ 1,540.209

Leveling in 1916 by F. L. Shalibo.

From point near southwest corner of Childwold quadrangle along highways northeast to Sevey, thence east and south to Massawepie.

Shurtleff station, 50 feet southeast of, on south side of track in large boulder; chiseled square marked "t. b. m. 1,520.5"	
Shurtleff, in face of dam at north end, in 6 by 6 inch timber; copper nail marked "t, b, m. 1514.4"	
Shurtleff, 0.2 mile north of station, 40 feet south of road, 300 feet	1,011,10
southwest of Shurtleff Hotel, 583 feet northwest of center of dam across Grass River, in rock ledge; bronze tablet stamped "Prim.	dition (not
Trav. Sta. No. 6, 1916, Elev. 1556"Shurtleff, 1.1 miles northeast of, on southwest side of road, in root of	1, 555. 826
20-inch beech tree; copper nail marked "t. b. m. 1671.9"	1, 671. 94
Shurtleff, 1.8 miles northeast of, on northwest side of road, in cement culvert over small stream; chiseled square marked "t.b.m.1558.3"_	1, 558, 36
Sevey Corners, 600 feet southwest of Sevey Hotel, 50 feet southwest	1,000.00
of junction of Potsdam-Tupper Lake road with road to Cranberry Lake, in south end of concrete headwall to small culvert, at	
southeast corner of road forks; bronze tablet stamped "Prim.	
Trav. Sta. No. 8, 1916, Elev. 1532 "Sevey Corners, 1 mile east of, on north side of road, in large boulder;	
chiseled square marked "t. b. m. 1582.8"	1, 582. 87
Sevey Corners, 2 miles east of, at northwest corner of road forks, in large rock; chiseled square marked "t. b. m. 1617.6"	1, 617. 63
Childwold, 150 feet southeast of A. F. Cardinal's residence and post office, 40 feet south of road inside of wire fence, on south side in	
large boulder; bronze tablet stamped "Prim. Trav. Sta. No. 15,	
1916, Elev. 1628"Childwold, 1.2 miles east of, 30 feet from road on north side, opposite	1, 627. 883
abandoned house, in large boulder; chiseled square marked "t.b. m.	in the second
1693.7"Childwold, 2.2 miles east of, near top of long hill at forks of old wood	1, 693, 76
road, on north side of road, in large boulder; chiseled square marked "t. b. m. 1669.6"	1 660 61
Gale Corners, in center of triangle, in wooden post; copper nail	
marked "t. b. m. 1526.6"	1, 526. 65
Hotel on north side of road, in root of 10-inch tree; copper nail	
marked "t. b. m. 1527.2"	1, 527. 17
Childwold, 30 feet west of road, east of two houses, in boulder; tablet stamped "1540"	1 540 000
	1, 540. 209
From Sevey north along highways near west border of quadrangle,	
Sevey Cormers, in cement culvert at southeast corner of road forks; bronze tablet stamped "P. B. M. 1532"	1 531 834
Sevey Corners, 1.1 miles north of, on east side of road in boulder;	
chiseled square marked "t. b. m. 1458.2"	1, 458. 20
east side of road in old stump; copper nail marked "t. b. m.	1 450 10
1456.2 "	1, 400. 18

Sevey Corners, 2 miles north of, on west side of road, in root of	
tamarack tree; copper nail marked "t. b. m. 1436.8"	1, 436. 84
Sevey Corners, 2.9 miles north of, on west side of road, in front of H. C. Perry's residence, in large boulder; chiseled square marked	
"t. b. m. 1413.9"	1 413 98
Sevey Corners, 3.1 miles north of, 1,000 feet north of H. C. Perry's	1, 110. 00
residence, on west side of road, in root of pine tree; copper nail	
marked "t, b, m. 1447.1"	1, 447. 10
Sevey Corners, 3.1 miles north of, 1.000 feet north of H. C. Perry's	
residence, 220 feet west of road in boulder; bronze tablet stamped	Inches
"t. b. m. 1444"	1, 444. 305
Sevey Corners, 4 miles north of, on east side of road in root of tree; copper nail marked "t. b. m. 1514.4"	1 514 50
Sevey Corners, 4.4 miles north of, at road forks, in front of Par-	1, 014. 00
meter's Camp, on east side in large rock; chiseled square marked	
"t. b. m. 1394.2"	1, 394. 26
Sevey Corners, 5.1 miles north of, on east side of road, in boulder;	
chiseled square marked "t, b. m. 1384.3"	1, 384. 33
Sevey Corners, 6.1 miles north of, 600 feet north of William Smith's	
residence, on east side of road, in large boulder; chiseled square marked "t. b. m. 1348.8"	1 9/10 0/
Hollywood, opposite and 60 feet east of front entrance of Hollywood	1, 540. 64
Inn and post office, on east side of road, in rock; bronze tablet	
stamped "Prim. Trav. Sta. No. 20, 1916, Elev. 1335"	1, 335. 283
Hollywood, 0.9 mile north of, on east side of road, in boulder; chis-	
eled square marked "t. b. m. 1378.0"	1, 378. 10
Hollywood, 1.9 miles north of, on west side of road, in large boulder;	1 040 01
chiseled square marked "t. b. m. 1348.5"Hollywood, 2.9 miles north of, 300 feet north of A. Sherman Lumber	1, 348. 61
Co. farmhouse, 15 feet from road on east side, in rock; bronze	
tablet stamped "1400"	1, 400, 485
proper legislity. Proc sciam an out no 100/201 in 300	
CHITTENANGO QUADRANGLE.1	
[Latitude 43°-43° 15'; longitude 75° 45'-76°.]	
Primary leveling in 1897 by Clark Brown and in 1902 by J. B. Maguire.	
From Canastota south via Perryville to Fenner.	
Canastota, Peterboro Street Bridge over Erie Canal, east wing of	
towpath abutment; fourth step (old canal bench mark 52)	433. 89
Canastota, 0.5 mile south of New York Central & Hudson River R. R.	100.00
station; iron bolt in culvert coping (Lehigh Valley R. R. bench	
mark 118)	457. 406
Clockville, 400 feet south of, 15 feet east of track; water-pipe valve	norway /
case south edge of bell (Lehigh Valley R. R. bench mark 116)	645. 79
Cotton, 0.4 mile southwest of station, culvert for farm crossing on north side of track; iron bolt in coping (Lehigh Valley R. R.	
bench mark 114)	758. 016
Perryville, crossroads, new schoolhouse on site of old church, corner	100.010
to right of front entrance, in stone foundation; tablet stamped	
"1103 Albany"	1, 103. 431
	A STATE OF THE PARTY OF THE PAR

From Constantia east to Cleveland.	
Cleveland, opposite station, west end of concrete wall; bronze tablet stamped "416 Albany 1903"	
CHURUBUSCO QUADRANGLE.	
[Latitude 44° 45′-45°; longitude 73° 45′-74°.]	
Primary leveling in 1913 by A. J. Kavanagh.	
Northwest of Lyon Mountain.	
Chateaugay, 4.61 miles east of, on old military turnpike at white schoolhouse crossroad, on boulder 30 feet from intersection; chiseled square painted "1118.7"	
Primary leveling in 1912 by R. A. Kiger and K. W. Trimble.	
From Lyon Mountain along highway north to Ellenburg Center, thence north- east to Ellenburg station, thence south to Ledger Corner, thence west to point 3 miles northeast of Lyon Mountain.	
Lyon Mountain, 185 feet west of, 11 feet from center line of railroad, on south wing of east abutment of railroad bridge over brook; aluminum tablet stamped "1753"Lyon Mountain, 0.8 mile north of, at three corners, on southeast side	1, 753. 247
of, on top of white quartz rock; chiseled square marked "1707.9 B. M."	1, 707. 661
on top of stone; chiseled square marked "1664.4 B. M."	1, 664. 21
Lyon Mountain, 3.4 miles north of, 1,400 feet south of small stream, 15 feet west of highway, in top of large quartz boulder; bronze tablet stamped "1660"	
Lyon Mountain, 5 miles north of, 500 feet north of stream, 12 feet east of highway, on quartz boulder; chiseled square marked	
"1537.2 B. M."Lyon Mountain, 6.1 miles north of, 400 feet northeast of dwelling, 3 feet east of highway, on top of quartz rock; chiseled square	
marked "1545.8 B. M."	1, 545. 52
"1672" Ellenburg Center, 3.5 miles south of, 480 feet north of dwelling, 15	1, 671. 358
feet east of highway, on quartz rock; chiseled square marked "1509.8 B. M."	1, 509. 55
fork, on sandstone south stone head to culvert; chiseled square marked "1352.7 B. M."	1, 352. 43
Ellenburg Center, 1.8 miles south of, at Arnolds Corner, 25 feet northwest of center of road at corner, in quartz rock; bronze tablet stamped "1400"	1, 399, 774
Ellenburg Center, 0.8 mile south of, in northwest corner of road fork, on top of large quartz boulder; chiseled square marked "1308.2"	(See all of
B. M." Ellenburg Center, on south end of east abutment of highway bridge	Mirgael

over Chazy River; chiseled square marked "1202.2 B. M."_____ 1, 201.85

stamped "1154" _____ 1, 153, 327

Ellenburg Center, 1 mile northeast of, 230 feet east of dwelling 6 feet east of center of highway, in sandstone ledge; bronze tablet

Ellenburg Corners, on north end of east abutment of highway bridge over Chazy River; chiseled square marked "964.0 B. M."	Fect. 963, 65
Ellenburg Corners, 1.2 miles northeast of, in southwest corner of crossroads, on large quartz boulder; chiseled square marked "941.0 B. M."	940. 66
Ellenburg, 250 feet west of station, in southwest corner of road fork, at Rutland R. R. under grade crossing, on concrete pavement;	
chiseled square marked "883.7 B. M."	883. 33
100 feet south of Main Street, 40 feet east of State Street; bronze tablet stamped "838"	837. 198
marked "870.8"Ellenburg, 1.7 miles south of, in northeast corner of crossroads, on	870. 48
quartz boulder; chiseled square marked "988.4 B. M." Ellenburg, 2.8 miles south of, in east end of south abutment of high- way bridge over Graves Brook; bronze tablet stamped "1116"	988. 01
Ellenburg, 4.1 miles south of, 500 feet north of dwelling, 10 feet east of highway, on brown quartz boulder; chiseled square marked	
"1289.2 B. M."	
B. M."	
Ellenburg, 7.3 miles south of, 150 feet north of Wallace School, 10 feet west of highway, on large quartz boulder; chiseled square marked "1225.5 B. M." (probably marked incorrectly)	
Ledgers Corner, 2 miles north of, in southeast corner of road fork, in base of corner fence post; nail marked "1467.9 B. M."Ledgers Corner, 50 feet northwest of road fork, 70 feet southeast of	1, 467. 48
schoolhouse, in quartz rock; bronze tablet stamped "1601"Ledgers Corner, 1.1 miles west of, 200 feet south of dwelling, 7 feet south of highway on flat sandstone rock; chiseled square marked	1, 600. 631
"1645.5 B. M."Ledgers Corner, 2.1 miles west of, on south end of east abutment	1, 645. 04
of highway bridge over outlet to Chazy Lake; chiseled square marked "1,530.7 B. M."Ledgers Corner, 3.6 miles west of, 300 feet east of dwelling 15 feet	1, 530. 25
north of highway, in large white quartz rock; bronze tablet stamped "1575"	1, 574. 372
ment of concrete culvert, near junction of railroad sections 7 and 9, 12 feet from center of track; aluminum tablet stamped "1715"_	1, 714. 918
From Lyon Mountain along highway north to point north of Star, thence east and southeast near Rutland R. R. to Ellenburg station.	
Lyon Mountain, 0.8 mile north of, south edge of ditch, south side of road forks, on white quartz boulder; chiseled square painted "1707"	1, 707, 66
Lyon Mountain, 1.8 miles north of, 25 feet south of telephone pole 1215, on end of large rock on west side of road; chiseled square	
marked "1415"	1, 415. 02

	Feet.
Divided Brook, floor of bridge over	
Divided Brook, surface of water; June 18, 1912	
Lyon Mountain, 2.2 miles north of, on south side of bridge over Di-	
vided Brook at forks of road to Hutton; top of bolt marked	
" 1357 "	1, 356. 37
Lyon Mountain, 3.1 miles north of, 10 feet north of center of road,	
30 feet west of saloon in building known as Fineburg Block,	4 000 000
in granite boulder; bronze tablet stamped "1333"	
Chateaugay Lake, floor of iron bridge over arm ofChateaugay Lake, surface of water, June 19, 1912	
Lyon Mountain, 4.1 miles north of, 160 feet north of road forks, 30	1, 510. 0
feet north of Backus's store, 50 feet east of Catholic Church, on	
rock on east edge of road; chiseled square marked "1314.4"	1, 314, 23
Lyon Mountain, 5.2 miles north of, 150 feet north of small yellow	and holls
house, east side of road, on boulder; chiseled square marked	
" 1331 "	1, 331. 25
Lyon Mountain, 6.3 miles north of, west side of road, 20 feet north	
of center of road, 15 feet west of telephone pole 1378, 75 feet south	
of cleared field on west side of road; copper nail in root of double	1 000 50
birch tree, marked "1323"Lyon Mountain, 6.7 miles north of, 15 feet west of center of road,	1, 322. 79
in yard of house occupied by Ezra Bigor, in boulder; bronze tablet	
stamped "1327"	1. 327. 105
Lyon Mountain, 7.3 miles north of, 30 feet north of forks of road	1,021.100
to east, 20 feet east of center of road, 100 feet northwest of one-	
story red house, in root of 14-inch maple tree; copper nail marked	
"1317.8"	1, 317. 63
Lyon Mountain, 8 miles north of, west side of road, 10 feet from	
intersection, 3 feet east of clump of five small maple trees, on	62) (IIII)
top of boulder; chiseled square marked "1331.3"	1, 331. 13
Lyon Mountain, 9 miles north of, on west side of road, 15 feet from center and 10 feet from fence, on boulder; chiseled square marked	
"1616"	1 615 66
Lyon Mountain, 9 miles north of, 5 feet east of center of road, on	1, 010. 00
edge of roadbed, 200 feet north of house occupied by A. E. McPher-	
son, in rock; bronze tablet stamped "1649"	1, 649, 036
Lyon Mountain, 10.2 miles north of, west side of soad, at forks to	majou.Y
right, 10 feet from center of road, 10 feet east of bars in stone	
fence, on boulder; chiseled square marked "1786.9"	1, 786. 71
Lyon Mountain, 11.1 miles north of, west side of road, 75 feet north	
of 12-inch maple and 80 feet south of 12-inch elm, 25 feet north	diggs.
of small double elm, on rock; chiseled square marked "1778"	1, 777. 60
Harrigan Corners, 50 feet north of crossroads, on south side of road leading west, 15 feet south of center of road, on rock; chiseled	
square marked "1822.1"	1 822 00
Harrigan Corners, 0.4 mile north of, on east side of road, 20 feet	1, 022. 00
west of southwest corner of J. Tacy's barn, on rock; chiseled	
square marked "1739"	1, 739. 06
Star Crossroads, north side of road, 300 feet west of intersection, 20	tour
feet north of center of road, 100 feet northeast or northeast cor-	
ner of Horace Johnson's house, in top of rock almost covered with	
earth; bronze tablet stamped "1526"	1, 526, 266

Star, 1.5 miles north and east of, in southwest corner of road forks,	
on large rock in ditch; chiseled square marked "1368.9"	1, 368. 82
Star, 2.8 miles north of, at forks of road to east, 50 feet north of	
intersection, 15 feet east of center line of north-south road, on	
flat rock; chiseled square marked "1290.8"	1, 290. 70
Star, 3.2 miles north of, 15 feet west of center line of road, 10 feet	
south of private road to west, 25 feet west of private road east	
leading to residence of John Campbell, in sandstone bowlder 2 feet	
high, 2½ by 2 feet on top; bronze tablet stamped "1262"	1, 262, 234
Star, 3.8 miles north of, on east side of road, 30 feet east of inter-	Limordek.
section of road to west, 5 feet northwest of 15-inch maple tree,	
on boulder; chiseled square marked "1213.1"	1, 212. 95
Star, 4.9 miles north of, 200 feet south of intersection of old military	
turnpike, in top of foundation stone of northwest corner of barn	Trong.
of John Fitzgerald; bronze tablet stamped "1183"	1, 182, 97
Star, 5.9 miles north of, 1,200 feet south of railroad crossing, in	
north end of west side timber of small bridge; copper nail marked	
"1125"	1, 124, 58
Forks of road near railroad crossing; point on boulder	
Star, 7 miles north and east of, 120 feet west of Tom Luby's house,	
on flat rock 2 by 4 feet and about ½ foot high; chiseled square	Clayton C
marked "1166"	1, 166, 24
Churubusco, northeast corner of stone foundation of public school	historia mia
building, 2 feet above ground and 2½ feet south of northeast corner;	
bronze tablet stamped "1194"	1, 193, 580
Crossroads, point on rock at	
Churubusco, 1.3 miles east of, 10 feet north of center of road, at tele-	Porch 10.
phone pole 1154, on flat top rock; chiseled square marked "1142"_	1, 141, 97
Churubusco, 2 miles east of, in center of triangle at intersection of	
road to right, on flat rock; chiseled square marked "1,109"	1.108.99
Clinton Mills, at railroad crossing; top of rail marked "1093"	1, 093
Clinton Mills, 20 feet south of center of road, 65 feet east of Clinton	Still to
Mills schoolhouse, 130 feet east of road forks at schoolhouse, in low	
flat rock about level with ground; bronze tablet stamped "1098"	1 097 715
Clinton Mills, 1 mile east of, 10 feet north of center of road, 25 feet	a sile e
north of New York Telephone Co.'s pole B 1060, on flat rock ledge;	
chiseled square marked "1088"	1 088 22
Clinton Mills, 2 miles east of, 25 feet south of center of road, 40 feet	1,000.22
west of telephone pole 1015, on large rock in swamp; chiseled	intge be
square marked "989"	989. 35
Clinton Mills, 2.7 miles east of, 25 feet northeast of intersection in	000.00
edge of ditch, at crossroads, on rock; chiseled square marked	Clayton, r
"953"	953.06
Clinton Mills, 3.8 miles east of, in top of flat ledge, 470 feet south of	333.00
angle of road to south, 10 feet west of center of road; bronze tablet stamped "908"	908. 24
Clinton Mills, 4.8 miles east and south of, 8 feet south of sharp angle	000. 24
in road, 15 feet east of center of road, in root of 10-inch beech tree;	
copper nail marked "880"	879. 63
Clinton Mills, 6 miles east and south of, on west side of road, near	010.00
fence in front of G. Colligan's house, in top of stump; copper nail	
marked "955"	955. 40
104797° Pull 671 19 4	000. 10
104797° Dull 671 19 4	

miles north and east of, it sufficeed corder of road forks. Iron	Feet.
Chazy River, bridge over North Branch of	
	Comment of
CLAYTON QUADRANGLE.1	
[Latitude 44°-44° 15'; longitude 76°-76° 15'.]	
Precise leveling in 1900 by C. H. Semper.	
At Limerick.	
Limerick, stone-arch bridge over Perch River; point on east end of south parapet wall	317. 09
Primary leveling in 1900 by William Kelley.	
From Clayton south via Clayton Center and Depauville to Limerick.	
Clayton, southwest corner of Catholic Church, in water table; copper bolt	278, 81
Clayton, James Street, in front of Mrs. Linnell's residence, on back part of top of fire hydrant; copper bolt stamped "Cape Vincent 289"	287. 63
Clayton Center, residence of Merritt Legenfelter, on west face of building at south corner in stone foundation wall, bronze tablet stamped "Cape Vincent 423"	422. 07
Departile, at crossroads in east corner of stone foundation wall under residence of Ira Gillett; aluminum tablet stamped "299 Cape Vincent"	297. 52
Perch River, stone schoolhouse, in northeast corner of water table; bronze tablet stamped "338 Cape Vincent"	336. 950
From Limerick northwest via Chaumont to Threemile Bay.	
Chaumont, Main Street, in north face of buttress at northwest corner of Hiram Copeley's stone office building; aluminum tablet stamped	T MODELL
"295 Cape Vincent"Threemile Bay, Baptist Church, in southeast corner of foundation wall; aluminum tablet stamped "266 Cape Vincent"	293. 425 264. 54
From Threemile Bay north via St. Lawrence to Clayton.	
St. Lawrence, 225 feet north of crossroads, on east side of road, on large boulder; bronze tablet stamped "357 Cape Vincent"	356. 269
From Clayton southeast to Lafargeville.	
Clayton, north side of Water Street, in limestone water table on west side 1.85 feet northerly from the southwest corner of the Barker	Channa C
brick building; aluminum tablet stamped "257 Cape Vincent" Clayton, 1.9 miles from, north end of west abutment of iron bridge on New York Central R. R., northeast corner of top step; chis-	256. 248
eled mark	325. 49
From Limerick south to Dexter.	
Dexter, brick schoolhouse, 2 feet easterly from northwest corner of main building, in limestone water table on north side; aluminum tablet stamped "326 Cape Vincent"	324. 395

CLOVE QUADRANGLE.

[Latitude 41° 30'-41° 45'; longitude 73° 30'-73° 45'.]

Primary leveling in 1899 by Seth Van Loan.

At Dover Plains.

Dover Plains, in northwest	corner of bank; aluminum	(?) tablet	Feet.
stamped "Albany 406"	ofacto, entrett it from milete	Acquist Mark	406.866

CLYDE QUADRANGLE,1

[Latitude 43°-43° 15'; longitude 76° 45'-77°.]

Primary leveling in 1898-99 by C. H. Semper and D. E. Baxter.

At Clyde (set from State bench marks).

Clyde, Methodist Episcopal Church, on northeast side of Sodus	
Street, in north end of foundation of front wall; aluminum tablet	Cigmen,
stamped "406 Oswego"	405. 196

From Wallington east along highway and railroad to Red Creek.

Alton, nighway crossing; top of rail	402.8
Dunbar, road crossing; top of north rail	393. 7
North Rose, in front of station; top of rail	387. 80
Wolcott, Main Street highway crossing; top of north rail	361.7
Wolcott, northwest corner of Main and Clyde streets, in masonry	in front
foundation southeast corner of Baptist Church; aluminum tab	- T. 188 0 -
let stamped "378 Oswego"	379. 026

From Wolcott south along highway to Mays Point.

South Butler, in northwest corner of schoolhouse on road east from	
hotel; bronze tablet stamped "399 Oswego 1899"	399. 717
Savannah, northeast corner Main and East Church streets; top of	
concrete monument	420, 20

Savannah, 4.8 miles south of, Barry Bridge 1, western division, in	Cobess 8
top of first step of west wing of north abutment; top of copper	
bolt stamped "B, M, 2"	395. 16

From North Rose southwest along highway to Lyons.

d inwesth; elimeter committee and the second and the second and the second	Tace or
Wayne Center, in southeast corner of schoolhouse on crossroads;	Calmes, 1
bronze tablet stamped "438 Oswego 1899"	438. 942
Lyons, on west side of Broad Street, between Church and Pearl	
streets, in Dutch Reformed church; bronze tablet stamped "Os-	
wego 438 1899 "	438. 395
Lyons, Water Street highway bridge over canal, east wing of tow-	
path abutment; chiseled square	407. 727

CLYMER QUADRANGLE.

[Latitude 42°-42° 15'; longitude 79° 30'-79° 45'.]

Primary leveling in 1902 by G. M. Dimmick.

From Clymer north along Western New York & Pennsylvania Ry. to Mayville.

Clymer, in front of station; top of east rail	1, 472. 1
North Clymer, east end of foundation wall of Methodist Episcopal	er desk
North Clymer, east end of foundation wall of Methodist Episcopal Church south face: bronze tablet stamped "1582 Dunkirk 1902"	1, 582, 091

	Feet.
Panama (North Clymer), in front of station; top of east rail	
Sherman, in front of station; top of north rail	
Summerdale, at highway crossing; top of east rail	
Mayville, in front of station; top of east railMayville, Chautauqua Lake; water surface	
Mayvine, Chautauqua Lake, water surface	1, 510
From Sherman station west to Sherman (single-spur line).	
Sherman, 0.72 mile west of station, highway bridge over Finch Creek, west end of north abutment; bronze tablet stamped "1538 Dunkirk 1902"	1, 538. 226
From Clymer west along highway to Marvin, thence north to point 9 miles north of Findley Lake, thence indirectly eastward to point 3 miles west of Mayville.	
Clymer, 1.3 miles west of station, west end of foundation wall of	
Baptist Church, front face; bronze tablet stamped "1468 Dunkirk	1 400 040
Marvin, 0.6 mile north of, highway bridge over Finch Creek, top of	1, 468. 349
north end of west abutment; bronze tablet stamped "1388 Dunkirk	
1902 "	1, 387, 907
Findley Lake, Aug. 9, 1903; water surface	1, 421
Findley Lake, west corner of foundation wall of Methodist Church,	Wolfsout, 3
in front face; aluminum tablet stamped "1429 Dunkirk 1902"	1, 428. 655
COHOES QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 73° 30'-73° 45'.]	
Precise leveling in 1898 by E. L. McNair.	
The state of the s	
On Erie Canal near Cohoes.	
00 061 An Colours are other annext manners at the should not	194. 608
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16,	194. 608
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill	ore sted
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled cross	159. 404
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on	159. 404
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)	159. 404
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of	159. 404
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled cross	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled cross	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890 159. 810
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890 159. 810
Cohoes, 3.5 miles west of, east end of lower Mohawk Aqueduct, southwest corner of parapet wall; chiseled cross inclosed by circleCohoes, on top of wall west side of mill race between locks 45 and 16, 6 inches from northeast corner of small brick building between mill race and towpath; chiseled crossCohoes, lock 15, on east wall, south end of west lock; cross cut on second foot-iron clamp (U. S. Engineer Corps bench mark)Cohoes, lock 15, southwest corner of east wall of west lock; top of point of coping	159. 404 159. 890 159. 810

COOPERSTOWN QUADRANGLE.1

[Latitude 42° 30'-42° 45'; longitude 74° 45'-75°.]

Precise leveling in 1898 by E. L. McNair.

From Maryland northeast along Delaware & Hudson R. R. to Worcester.

Maryland, 1.9 miles west of, southeast corner of bridge	51 across Feet.
Schenevus Creek, in parapet wall; bronze tablet stamped "	1170 A"_ 1, 169. 850
Maryland, in front of Delaware & Hudson station; top of no	orth rail_ 1, 213. 4
Schenevus, in front of Delaware & Hudson station; top of so	outh rail_ 1, 276. 3
Schenevus, 0.25 mile east of Delaware & Hudson station, s	southeast
corner of bridge across Schenevus Creek, in coping stone	of abut-
ment; bronze tablet stamped "1272 A"	1, 271, 387
Worcester, 80 feet west of west end of Delaware & Hudson	station,
foundation of railroad water tank, third course of stone,	east side
of tank; aluminum tablet stamped "1131 A"	1, 310. 160

Primary leveling in 1899 by A. W. Gill and W. W. Gilbert.

From Springfield Center south to Cooperstown.

Cooperstown, northwest corner of county courthouse; aluminum tab-	
	1, 264, 480
Cooperstown, opposite Cooperstown & Charlotte Valley R. R. station;	Albany
top of rail, main track	1, 283. 0

From Colliersville along the Delaware & Hudson R. R. to Cooperstown.

Milford, Methodist Church, northeast corner of foundation; alumi-	
num tablet stamped "1207 Albany"	
Hartwick, Seminary building, in foundation, east side; aluminum tab-	
let stamped "1266 Albany"	1, 266. 390
Hartwick Seminary, 1.4 miles north of, iron bridge over river, on cap-	
stone at northeast corner; chisel mark	1, 179. 37

COPAKE QUADRANGLE.

[Latitude 42°-42° 15'; longitude 73° 30'-73° 45'.]

Primary leveling in 1900 by George Bailey and in 1902 by G. C. Mills.

From Millerton north along New York Central & Hudson River R. R. to Philmont.

Mount Riga station, 1.5 miles north of, stream to west; northwest	
corner of culvert (stream 3 feet lower)	773. 43
Boston Corners, 300 feet south of station, in top of southeast corner	
of culvert on New York Central R. R.; bronze tablet stamped	
"Albany 727"	727. 139
Copake Ironworks, 500 feet south of station; northwest abutment of	
railroad bridge (stream 25 feet below)	674. 33
Craryville, 500 feet west of station, south side of track, in west abut-	
ment of railroad bridge; bronze tablet stamped "Albany 635"	635. 151
Martindale station, just north of, at crossing; west rail	639. 5

¹ See Bull. 514, p. 33, for other elevations.

From Boston Corners westward via Central New England Ry. to Gallatinville, thence north along highways via Glenco Mills to Claverack, thence northeast to Philmont.	
Boston Corners, 300 feet south of station, in top of southeast corner of culvert on New York Central R. R., bronze tablet stamped "Albany 727"	Feet. 727. 139
Copake, Central New England bridge 80, on north end of west abutment; chiseled square	537. 69
highway and 0.5 mile southeast of Millers Pond, in east corner of southwest abutment; bronze tablet stamped "Albany 508"	508. 350
Ancram, stone-arch highway bridge over Roeliff Janson Kill, on south end of west parapet; chiseled square	480.76
Gallatinville, highway bridge over Roeliff Janson Kill, east wing of north abutment; aluminum tablet stamped "405 Albany"New Forge, on south end of west abutment of iron bridge over Clav-	405. 192
erack Creek; bronze tablet stamped ".516 Albany" West Taghkanick, 0.9 mile north of, 600 feet south of George Sears's	515. 995
dwelling; 1-inch steel bar 15 inches long sunk flush in rock ledge on west side of road, marked "U. S. B. M. 289"	289. 61
Glenco Mills, iron highway bridge over Taghkanick Creek, in west wing wall of south abutment; aluminum tablet stamped "261 Albany"	261. 703
Claverack, 0.5 mile southeast of, iron highway bridge, center pier, east end; bronze tablet stamped "156 Albany"	155. 841
CORNING QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 77°-77° 15'.]	
Precise leveling in 1898 by E. L. McNair.	
From Addison east along Erie R. R. to East Corning.	
Addison, in front of Erie station; top of north rail, westbound track—Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum	985. 5
Addison, in front of Erie station; top of north rail, westbound track—Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195 938. 4 936. 3
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195 938. 4
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195 938. 4 936. 3
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195 938. 4 936. 3 936. 759 909. 3
Addison, in front of Erie station; top of north rail, westbound track_Addison, 0.4 mile east of Erie station and 750 feet northwest of tracks, Union school building, at right of main entrance; aluminum tablet stamped "1021 D"	985. 5 1, 022. 554 965. 2 936. 195 938. 4 936. 3 936. 759 909. 3

Savona, 1.8 miles south of; top of boulder on east side of track, 1,200 feet north of crossing	Feet. 1, 036. 62
Campbell, 700 feet north of station, on east end of bridge seat, south wall of railroad girder bridge; chisel mark	
Coopers Plains, at station; top of railCoopers Plains, 1 mile south of, on east end of bridge seat, on south	963. 11
wall; chisel mark	950. 81
Painted Post, 2 miles north of, crossing of Delaware, Lackawanna & Western and Eric railroads; top of rail	949. 15
Painted Post, 1 mile north of, on west end of parapet wall of north	J bush.
abutment; chisel mark	942. 88
From point 1 mile north of Coopers Plains northeast along highway toward Monterey.	
Coopers Plains, 1 mile north of, on southwest corner of iron bridge; on cross marked on anchor bolt	980. 58
East Campbell; crossroads	1, 032. 0
East Campbell, 600 feet east of; top of boulder	1,020.44
From Lawrenceville, Pa., north along New York Central & Hudson River R. R. to Corning, N. Y.	
Lawrenceville, Pa., on top of stone at south end of east abutment of	993, 43
highway bridge over Tioga River, near station Lindley, 0.8 mile south of, on corner of stone on east side of north	993. 43
abutment of small bridge, 140 feet south of milepost 99-92 Lindley, 0.2 mile north of, nearly opposite milepost 101-70; in tele-	986. 94
phone pole, nail	981. 89
Lindley, 1.2 miles north of, on west side of south abutment of iron bridge at milepost 102-69; on top of bridge seat stone	980. 640
Lindley, 2.2 miles north of, at west end of south abutment of small	000 00
bridge, 840 feet south of milepost 103-68; top of coping stone Presho, 0.8 mile south of, east end of south abutment of steel bridge,	972. 99
630 feet south of milepost 104-67; top of stone	963.77
Presho, on west side of south abutment of double-track steel bridge, 700 feet south of station; top of bridge seat stone	962. 40
Presho, 1.2 miles north of, west end of north abutment of small bridge_ Mulholland, 620 feet south of highway crossing near station plat-	953. 71
form, on east side of south abutment of small bridge; top of third	
stone stepCorning, 4 miles southwest of, 30 feet north of milepost 109-62, 10 feet	955. 78
west of track; railroad spike in stump	945. 80
Corning, 2.5 miles west of, on south side of west abutment of small	005 11
bridge, 400 feet west of yard limit sign; top of stoneCorning, on right side of Cedar Street entrance to city hall; aluminum	935. 11
tablet stamped "935 D 1898"	936. 759
From point 1 mile south of Coopers Plains along highway north to East Campbell, thence northeast to Hornby, thence south to Painted Post, thence northwest to beginning.	Cempbell, abetone d Campbell,
Coopers Plains, in northwest corner of road fork; copper nail in south end of boardwalk, marked "965.4 B. M."	965. 44
Coopers Plains, 0.9 mile north of, at three corners; chiseled square	000 14
on west stonehead to highway culvert, marked "980.1 B. M."	980. 14

	Coopers Plains, 2.3 miles north of, in top of east concrete head to	Feet.
	highway culvert over small stream; bronze tablet stamped "1008".	
	East Campbell, in northeast corner of road fork; nail in base of	
	corner fence post, marked "1032.6 B. M."	
	East Campbell, 0.8 mile northeast of, in northeast corner of road	
	fork; chiseled square on top of limestone rock, marked "1094.2	
	B. M."	
	East Campbell, 2.4 miles northeast of, 700 feet east of three cor-	
	ners, in top of north end of west abutment to highway bridge over	
	Mead Creek; bronze tablet stamped "1197"	1, 197. 107
	Hornby, 2.6 miles west of, in northwest corner of road fork, 50 feet	magaali Ua-
	east of schoolhouse; chiseled square in top of highway guard	
	stone, marked "1270.2 B. M."	
	Hornby, 1 mile west of, 480 feet east of dwelling, 10 feet south of	
	highway; nail in root of maple tree, marked "1494.5 B. M."	
	Hornby, southwest corner of foundation of town hall, in west face;	
	bronze tablet stamped "1516"	
	Hornby, 0.9 mile south of, at three corners, 15 feet west of highway;	
	nail in root of maple tree, marked "1773.3 B. M."	
	Hornby, 2.1 miles south of, in northwest corner of road fork; nail in	
	base of mailbox post, marked "1626.6 B. M."	
	Hornby, 3.3 miles south of, at deep rock cut on west side of highway,	
	west of highway, in limestone ledge; bronze tablet stamped "1381"_	
	Painted Post, 3 miles northeast of, in northeast corner of road fork;	
	nail in base of telephone pole, marked "1172.7 B. M."	
	Painted Post, 2.6 miles northeast of, 20 feet west of three corners;	
	nail in top of maple stump, marked "1097.8 B. M."	1, 097. 96
	Painted Post, 1.1 miles east of, in northwest corner of road fork;	Total build
	nail in base of signpost, marked "988.6 B. M."	988. 76
	Painted Post, Delaware, Lackawanna & Western R. R. grade crossing;	
	top of north rail of north track, marked "947"	947. 16
	Coopers Plains, 1 mile southeast of; on east end of bridge seat, south	a Shear
	wall; chiseled mark	950. 81
		an hardwart
	From Addison north along highway to Campbell, thence southeast to Coopers Plains.	
	FESTO IN CASE HE WAS A CONTROL OF THE PARTY	
	Addison, 1.8 miles north of, on road to Campbell, in top of concrete	
	carriage step of Mrs. Mary Audinwood's home; chiseled square	1, 312. 30
,	Addison, 1.8 miles north of, on road to Campbell, in top of concrete	
	carriage step of Mrs. Mary Audinwood's home; bronze tablet	1, 312, 299
	Addison, 2.7 miles north of, along road to Campbell, on bridge over	P (Northbot)
	Goodhue Brook, on top of west girder, most northeasterly bolt	1 252 32
1	Phillips School, 1.5 miles northeast of, along road to Campbell, in rail-	-, -0
	road rail in southwest corner of culvert; chiseled cross	1 615 99
	Campbell, 4 miles southwest of, along road to Addison, copper nail	1, 010, 22
	in root of old tree stump on west side of road	1 595 00
	Campbell, 4 miles southwest of, along road to Addison, in stone step	1, 505.00
	before A. II. Lewiste home, brong toblet stermed "1772"	Aller more
	before A. T. Lewis's home; bronze tablet stamped "1562"	1, 561. 757
-	Campbell, 1 mile southwest of, along State road toward Thurston,	
	300 feet east of road forks; north side of road; chiseled square on	I esupor
	concrete culvert	1, 069. 55
-	Campbell, 300 feet west of Erie Railroad station, in northwest corner	
	of concrete abutment of highway bridge; bronze tablet	1, 010. 426

	From Corning south along highway to point near Caton, thence west to point 1.4 miles north of Lindley.	
	Corning, at corner of Erie and Cedar streets, in foundation stone	77
	under water table, at right of Cedar Street entrance; aluminum tablet stamped "935"	Feet. 936, 759
	Corning, 0.9 mile southeast of, 6 feet south of south wall of small	1000. 100
	cemetery, on street curb at base of telephone pole; chiseled square	nosemett'
	marked "921,2 B. M."	921. 21
	Corning, 1.9 miles southeast of, at Brown's Crossing, on west end	Campbell
	of north concrete abutment to undergrade bridge; chiseled square	
	marked "911.9 B. M."	911. 91
	Brown's Crossing, 1.2 miles south of, 60 feet south of dwelling, 10	
	feet south of State highway, in base of maple stump; nail marked	
	"971.8 B. M."	971.82
	Brown's Crossing, 2.4 miles south of, 70 feet north of junction of	
	west Caton road and State highway, 7 feet east of State highway,	
	in concrete culvert head; bronze tablet stamped "1098"	1, 097. 701
	Caton, 1.9 miles north of, on east concrete head to culvert under	
	State highway; chiseled square marked "1277.5 B. M."	1, 277, 51
	Caton, 0.8 mile north of, 7 feet east of State highway, on east concrete	1 200 50
	culvert head; chiseled square marked "1390.5 B. M."Caton, northeast corner of concrete floor to State highway bridge over	1, 590. 50
	small stream; bronze tablet stamped "1411"	1 411 269
	Caton, 1.1 miles west of, at three corners, in base of mail-box post;	1, 111, 200
	nail marked "1757.7 B. M."	1, 757, 62
	Caton, 2.1 miles west of, at three corners, in top of center post of	a toldel
	guard fence; nail marked "1536.6 B. M."	1, 536. 51
	Caton, 2.8 miles west of, 280 feet east of three corners, in south end	man was
	of east abutment to highway bridge over small stream; bronze	
	tablet stamped "1313"	
	Lindley, 2.9 miles northeast of, at three corners, in southwest corner	
	of foundation to church, in west face; chiseled cross marked	School our
	"1277.8 B. M."Lindley, 1.2 miles north of, at Black's Store, in southeast corner of	1, 277. 74
*	road fork, in base of telephone pole; nail marked "987.4 B. M."	987. 42
		4001. 12
	From point 1.4 miles north of Lindley south to Lindley, thence west to point	
	4.2 miles south of Freeman (single-spur line).	t) annivol.
	Lindley, in south end of west abutment to highway bridge over Tioga	MANUAL TERM
	River; bronze tablet stamped "986"	986. 105
	Lindley, 0.9 mile west of, on west end of south concrete guard wall	The state of The
	to highway bridge over stream; chiseled square marked "1089.	
	B. M."	
	Lindley, 2.2 miles west of, 150 feet south of dwelling, 7 feet south of highway, in root of oak tree; nail marked "1426 B. M."	Legal Land
	highway, in root of oak tree; nail marked "1426 B. M."	1, 425. 990
	Lindley, 3.2 miles west of, at three corners, center of triangle formed	Topm like co
	by junction of roads, in limestone rock; bronze tablet stamped "1642"	1 641 709
	Liberty Pole School, 1.1 miles east of, at right-angle bend in highway,	1, 011. 102
	12 feet south of highway, in root of chestnut tree; nail marked	
	"1700.5 B. M."	1, 700, 482
	Liberty Pole School, in northeast corner of crossroads, in top of	MI ASSARAI
	stump 1 foot above ground; nail marked "1797.1 B. M."	1, 797. 094
	O was to	and should

58 SPIRIT LEVELING I	N NEW YORK, 1896–1905, 1912–191	6.
Liberty Pole School, 1.5 miles w to Nichols School, in east fac	est of, northeast corner of foundation e; bronze tablet stamped "1706"	Feet 1, 705. 561
Leveling in 191	6 by K. E. Schlachter.	
From west border of quadra	angle east to point near Campbell.	
over Michigan Creek; chisel- Campbell, 1 mile west of, along of road corner, in north side	east end of south guard rail of bridge ed circle painted "t. b. m. 1133.9"_ State road to Thurston, 300 feet east of concrete culvert; chiseled square	1, 133. 0
CORTLANI	QUADRANGLE.	Brownia Co
[Latitude 42° 30'-42°		
	in 1900 by W. E. Green.	O Saverin
	g the Delaware, Lackawanna & Western to Cortland.	
Blodgett Mills, at road crossing	near station; top of rail	1 082 0
Blodgett Mills, 1,000 feet north	of station, on west side of track, in	1, 002. 0
retaining wall; bronze tablet	stamped "1086 Albany"	1, 086. 336
From Messengerville west along	highway to Virgil (single-spur line).	
Virgil, northeast corner stone of	Methodist Episcopal Church; bronze	
	y"	
From Cortland southeast along the	Erie and New York Central railroads to Solon.	
McCrawvilla South Street gross	ing; top of rail	
	top of rail	
	top of rail	
Solon, in northwest corner wall	of William Corcoran's house; bronze	8.7707/18
tablet stamped "1308 Albany	2 oubs north of at Bluck's Store ".	1, 308. 00
From Cortland northeast along	the Lehigh Valley R. R. to Truxton.	
and the state of their semality	the other court of Lindley teath to Linds	
Lorings (flag station), at road of	rossing; top of rail	1, 105. 9
East River (flag station), at ros	d crossing; top of rail	1, 132. 8
East Homer, in Front of Station;	top of rail	1, 132. 3
Truston weiting room of statio	on; doorsill	1, 134, 29
Truston, waiting room of station tor	of rail	1, 150. 7
	Episcopal Church; bronze tablet	1, 104. 1
		1, 159. 096
	Delaware, Lackawanna & Western R. R.	R MODERN
	Tully, or successful at shoot to mil	
Cortland, waiting room at statio	n; doorsill	1, 114, 22
Cortland, State Normal School b	uilding, north side of east entrance:	
aluminum tablet stamped "11	22 Albany "top of rail	1, 121, 855
Homer, James Street crossing;	top of rail	1, 132. 9
Homer, waiting room at station:	doorsill	1 132 82

The below of the execution related to the end of the en	Foot
Preble, at road crossing; top of rail	1 1".
tablet stamped "1212 Albany"1,	212. 554
From Cortland along the Lehigh Valley R. R. to McLean.	
Cortland, Lehigh Valley station; waiting-room doorsill1, McLean, E. G. Galloup's store, on east side of wall; chiseled cross1,	
CONSACKIE QUADRANGLE,1	
[Latitude 42° 15'-42° 30'; longitude 73° 45'-74°.]	
Precise leveling by the Coast and Geodetic Survey.	
At Hudson station.	
Hudson station; United States Coast and Geodetic Survey bench mark 4 (railroad bench, roundheaded bolt, in west side of top of stone pier under iron column, under overhead bridge in street leading to docks and Athens Ferry; the first one north of Hudson station. The pier is under the second column from south end in the east row of three)	10. 686
CRANBERRY LAKE QUADRANGLE.	
[Latitude 44°-44° 15'; longitude 74° 45'-75°.]	
Leveling in 1914 by K. E. Schlachter.	
From point north of Newton Falls south along log railroad to Benson mines.	
Newton Falls, 2.6 miles north of, on west margin of track, in large	Himoet
granite boulder; bronze tablet stamped "1458"1, Newton Falls, 1.5 miles north of, along log railroad, on rock on west	457. 685
margin of track; chiseled circle1,	442. 85
Newton Falls station, 23 feet south of southeast corner of, in boulder; bronze tablet stamped "Prim. Trav. Sta. No. 3, 1913, 1383"	383, 124
Newton Falls, 1.3 miles south of, 609 feet north of road crossing on	
west side of concrete culvert; chiseled square1,	438. 27
Leveling in 1916 by F. L. Shalibo.	
From Benson Mines southeast along highways to Wanakena, thence southwest and southeast along track to Gull Lake, thence east to Nehasane.	Monda Lake
Benson Mines, 188 feet northeast of station, in concrete base of water tower; bronze tablet stamped "1406"1,	405. 925
Benson Mines, 1 mile southeast of, on Wanakena Highway on west side, 15 feet from road, on large boulder; chiseled square marked "t. b. m. 1404.9"	409. 85
Benson Mines, 2 miles southeast of, on Wanakena Highway, on east side of road, on large boulder; chiseled square marked "t. b. m. 1515"	AND THE O
Benson Mines, 3 miles southeast of, on Wanakena Highway, on east side of road, in ledge of rock; bronze tablet stamped "1676"1, Benson Mines, 4 miles southeast of, on Wanakena Highway, in center of road forks, on boulder; chiseled square marked "t. b. m. 1695"1, 1695"	676, 368
BINGS TON THE MANAGEMENT OF STREET STATES AND STATES OF STREET	-

Benson Mines, 4.9 miles southeast of, on Wanakena Highway, in	
ledge of rock, on west side of road; chiseled square marked	Feet.
"t. b. m. 1633"	
Benson Mines, 6.2 miles southeast of, on Wanakena Highway, on east	All supply
side of road, in cement culvert, opposite abandoned camp; chis-	
eled square marked "t. b. m. 1529"	1 599 03
Wanakena, about 50 feet northwest of station, in front of post office	1, 020. 00
and residence of J. O. Hornele, on Front Street, 35 feet from road	
forks, in large boulder; bronze tablet stamped "Prim. Trav. Sta.	
No. 1, 1916, Elev. 1495"	1, 494. 866
Wanakena, 1.1 miles south of, on east side of old railroad bed, at	
junction of trail leading to High Falls, on large boulder; chiseled	
square marked "t. b. m. 1533"	1, 532. 89
Wanakena, 2.1 miles south of, on west side of High Falls trail, in	
root of large tree; copper nail marked "t. b. m. 1862"	1, 862. 45
Wanakena, 3.1 miles south of, on east side of High Falls trail, on	
large boulder; bronze tablet stamped "P. B. M. 1901"	1, 900, 634
Wanakena, 3.7 miles south of, on west side of High Falls trail in	anthest
large stump; copper nail marked "t. b. m. 1690"	1, 690, 24
Wanakena, 4.8 miles south of, on west side of High Falls trail, in	1,000.22
root of 8-inch pine tree; copper nail marked "t. b. m. 1615"	1 615 95
High Falls, 10 feet west of northwest corner of kitchen and dining	1, 010. 20
room of the Postem Lodge, 35 feet northeast of the northeast cor-	
ner of main building, in top of large granite boulder; bronze tablet	
stamped "Prim. Trav. Sta. No. 9, 1916, Elev. 1618"	1, 617. 990
High Falls, 1 mile south of, on east side of Gull Lake trail, in large	Turbus 7
boulder; chiseled square marked "t. b. m. 1721"	1, 720. 89
High Falls, 1.9 miles south of, on Gull Lake trail, 600 feet south of	
creek, on east side of trail, on boulder; chiseled square marked	
"t. b. m. 1766"	1, 765. 53
Gull Pond, about 500 feet north of north end of, 580 feet along trail	
from crossing of the outlet, on east side of Gull Lake trail, in large	
granite boulder; bronze tablet stamped "Prim. Trav. Sta. No. 10,	
1916, Elev. 1882 "	1, 881. 695
Gull Pond, surface of water, June 5, 1916	
High Falls, 3.7 miles south of, on Gull Lake trail, in center of trail,	
on large boulder; chiseled square marked "t. b. m. 2047"	2, 046, 76
High Falls, 4.4 miles south of, at forks of old Albany road and Gull	to bear
Lake trail, in 16-inch birch tree; copper nail marked "t. b. m.	
1835 "	1 835 46
Gull Lake, south end of, on land of the Webb estate, 15 feet south of	1,000.10
the southeast corner of porch to George W. Muir's residence, in	
ledge of rock; bronze tablet stamped "Prim. Trav. Sta. No. 11,	9 099 470
1916, Elev. 2038 "	2, 038. 419
Gull Lake, 1 mile east of, 900 feet east of bridge over Deer Creek	
outlet, on north side of road in root of 18-inch maple tree; copper	ARTE JOE
nail marked "t. b. m. 1853"	7 959 57
And the state of t	1, 002. 01
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"Gull Lake, 3.4 miles east of, 300 feet west of point where road	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"Gull Lake, 3.4 miles east of, 300 feet west of point where road strikes Partloe Lake shore at foot of small hill, and 800 feet west	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"Gull Lake, 3.4 miles east of, 300 feet west of point where road strikes Partloe Lake shore at foot of small hill, and 800 feet west of point where wagon road crosses old railroad bed, 30 feet south	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"Gull Lake, 3.4 miles east of, 300 feet west of point where road strikes Partloe Lake shore at foot of small hill, and 800 feet west of point where wagon road crosses old railroad bed, 30 feet south	
Gull Lake, 1.9 miles east of, in root of 8-inch pine tree on south side of road; copper nail marked "t. b. m. 1799"Gull Lake, 3.4 miles east of, 300 feet west of point where road strikes Partloe Lake shore at foot of small hill, and 800 feet west	1, 798. 83

Gull Lake, 4.3 miles east of, on private highway on east side of road	Feet.
in large boulder; chiseled square marked "t. b. m. 1896"	
Gull Lake, 5.3 miles east of, 15 feet from road on south side, in large	
boulder; chiseled square marked "t. b. m. 1910"	1, 910, 45
Gull Lake, 6.5 miles east of, at M. & M. Railroad crossing on north	no here
	No. 4, 19
side of road, 25 feet from track in large boulder; chiseled square	
marked "t. b. m. 1807"	1, 807. 16
Nehasane, 200 feet west of Mr. Ames's house (Nehasane station), 20	
feet northwest of main track in east face of ledge of rock; alumi-	
num tablet stamped "Prim. Trav. Sta. No. 14, 1916, 1789 Albany"	
(Bull. 281, p. 40)	1, 787. 530
From Newton Falls along highway northeast to Cooks Corners, thence southeast	
and northeast via Cranberry Lake to point near northeast corner of quad-	
rangle.	
Newton Falls station, 20 feet east of northeast corner of, in large	
	1 999 194
boulder; tablet stamped "1383"	
Newton Falls, in center of town, 100 feet in front of Newton Falls	
Hotel, in boulder; chiseled square marked "t. b. m. 1478.9"	
Newton Falls, 1 mile east of, 60 feet south of stream crossing on south	
side of road, in large boulder; chiseled square marked "t. b. m.	
1423.9 "	1, 423. 94
Newton Falls, 1.6 miles east of, at northeast corner of bridge over	
Cranberry Lake outlet, in stone abutment; chiseled square marked	
"t. b. m. 1422.5"	
Newton Falls, 2.7 miles east of, 20 feet from road on north side, in	
root of 24-inch stump; copper nail marked "t. b. m. 1431.4"	
Newton Falls, 3.5 miles east of, in old road leading to river, in root;	
copper nail marked "t. b. m. 1429.1"	
Newton Falls, 4.5 miles east of, on south side of road, in large boulder;	1, 120.00
bronze tablet stamped "1433"	1 499 951
Note: Falls 54 miles cost of an goath side of read at fortra of read	1, 400. 001
Newton Falls, 5.4 miles east of, on south side of road, at forks of road	
leading to J. Shanon lumber camp, in large rock; chiseled square	
marked "t. b. m. 1439.7"	
Cooks Corners, at southeast corner of cement porch to Cook's Hotel;	
bronze tablet stamped "Prim. Trav. Sta. No. 2, 1916, 1481"	
Newton Falls, 6.9 miles east of, 1,400 feet east of Cooks Corners, at	- 1203
road forks, in wooden post; copper nail marked "t. b. m. 1454.8"	1, 454. 82
Newton Falls, 7.6 miles east of, 300 feet southwest of old dam, or	I of beet
north side of road, in large boulder; chiseled square marked "t. b	0.230-1.0
m. 1445.3 "	
Newton Falls, 8.7 miles east of, at foot of hill and bend of road, in	
root of 30-inch beech tree; copper nail marked "t. b. m. 1465.6"	1, 465, 66
Cranberry Lake, at northeast corner of bridge over Cranberry Lake	
outlet, near dam; chiseled square marked "t. b. m. 1472.4"	1 472 43
Cranberry Lake, at top of north end of dam at outlet, on wall	d . manual
chiseled square marked "t. b. m. 1488.5"	1 499 55
chiseled square marked t. D. III. 1400.5	1, 400. 00
Cranberry Lake, 300 feet west of dam at foot of, at T road south	nice manage
across river, 550 feet southwest of Windsor Hotel, in old cemen	I of dince
engine foundation of the Bissell Bros.' sawmill, Cranberry Lake	10 J. 10 25 J.
west base, 10 feet from lake bank and 89 feet east of old burner	
site; bronze tablet stamped "Prim. Trav. Sta. No. 3, 1916, Elev	
1492 "	1, 491. 532

The second of the second secon	
Cranberry Lake, at railroad crossing by station; top of rail marked "t. b. m. 1488.3"	Feet. 1, 488. 36
Cranberry Lake, 70 feet south of center of porch of the White Birches, at east end of village in round cement block, Cranberry Lake, 10 feet west of gate, east base; bronze tablet stamped "Prim. Trav. Sta.	
No. 4, 1916, Elev. 1502"	
Cranberry Lake, 0.9 mile east of, 800 feet east of Y on south side of	bodison-
railroad, in large rock; chiseled square marked "t. b. m. 1,503.0"	1, 503. 04
Lines station, 60 feet east of, 500 feet west of trail, on south side of track, in boulder; chiseled square marked "t. b. m. 1440.5"	1, 440. 54
DAMASCUS QUADRANGLE.	
[Latitude 41° 30'-41° 45'; longitude 75°-75° 15'.]	From Beirr
Precise leveling in 1900 by C. H. Semper.	.efweet
From Cochecton south along Eric R. R. to Tusten.	a notway
Cochecton, 100 feet north of station, railroad bridge over highway,	
top of north abutment, east side; bronze tablet stamped "746	Thornest
Albany 1900"	746. 777
Cochecton, in front of station, northbound track; top of rail	749. 0
Narrowsburg, in front of station, northbound track; top of rail Narrowsburg, 600 feet west of station, 100 feet west of east end of	715. 6
rock cut, north side; bronze tablet stamped "718 Albany 1900"	718. 717
Tusten, in front of station, northbound track; top of rail	684.6
DANNEMORA QUADRANGLE.	mail A "
[Latitude 44° 30'-44° 45'; longitude 73° 30'-73° 45'.]	
Leveling by J. M. Perkins in 1911.	
From Saranac south along highway to Disco.	Comper Newton P
Saranac, 0.7 mile southeast of, 300 feet east of red schoolhouse, at	bronce
road corner; point on stone, marked "761.3"	760. 09
Saranac, 1.9 miles south of, at road corner; square cut in stone,	050 05
marked "974.1"	972. 95
from school and 20 feet from road; aluminum tablet stamped	
" 1203 "	1, 202. 097
Redford, about 2.5 miles east of, 50 feet north of road corner, on	GI DEBT
road to Peasleeville and Saranac; drill hole in top of rock, marked "1463.0"	101 50
Disco, on stone 100 feet west of road corner and opposite butter fac-	1, 461. 76
tory; aluminum tablet stamped "1158"	1, 157, 086
Disco, in front of red schoolhouse, 1,200 feet north of post office, square cut in top of stone, marked "1218.7"	to Joon
square cut in top of stone, marked "1218.7"	1, 217. 61
Disco, 1 mile south of post office, at road corner, in rock opposite house; bronze tablet stamped "1132"	1, 130. 918
From Russia station along Delaware & Hudson R. R. northeast to Dannemora, thence southeast to point 3 miles east of Morrisonville, thence along highway south to Lapham, thence along Delaware & Hudson R. R. southwest to Harkness, thence along highway west, north, and west to Redford.	Cranberry Reross engine west in
top of concrete culvert; aluminum tablet stamped "1480"	

Dannemora, 2.3 miles west of, 10 feet from center of track, 15 feet	
from center of highway near crossing, in top of culvert; bronze	Feet.
tablet stamped "1351"	1, 350. 408
Dannemora, 0.6 mile east of, 150 feet west of railroad milepost	
marked "P. 19"; top of concrete culvert marked "1279.5"	1, 279. 01
Dannemora, 1.5 miles east of, on concrete culvert top, 10 feet from	
center line of location of track; aluminum tablet stamped "1188"	1, 187. 842
Cadyville, 5.4 miles west of, on top of concrete culvert over brook;	orpgosite.
bronze tablet stamped "734"	733, 815
Morrisonville, 1.5 miles west of, 6 feet north of center of track, on	
concrete culvert at highway crossing; bronze tablet stamped	Personal Property
"593"	592. 818
Morrisonville, 0.9 mile east of, on top of concrete cattle pass, 12 feet from center of track; bronze tablet stamped "384"	383. 600
Morrisonville, 3.5 miles east of, about midway between West End	303.000
switch and railroad milepost marked "L.P.76-P.7," on top of con-	
crete culvert; aluminum tablet stamped "294"	293. 782
Peru, 4.9 miles north of, where road to Peru crosses road connecting	
Schuyler Falls and South Plattsburg (Salmon River station), near	
telephone pole; point on stone, marked "284.3"	284. 11
Peru, 4 miles north of, at roadside, 730 feet north of road corner, near	
residence of Charles Wright, on boulder; aluminum tablet stamped	
"318"	317. 644
Peru, 2.1 miles north of, at road crossing about 0.5 mile north of	
Lapham Mills; square cut on top of rock, marked "320.5"	320. 31
Peru, 0.9 mile east of, on culvert top on State highway about 200	
feet east of residence of Barney Fitzpatrick; aluminum tablet	
stamped "294"	294. 271
Peru, 960 feet north of post office, at road corner, near telephone	1000
pole; square cut on top of rock, marked "351.9"	351. 82
Peru, in front of station; top of north rail of main track, marked	040 1
"346.2"	346. 1
Peru, 1.5 miles south of, 7 feet west of track, on stone abutment of cattle pass; aluminum tablet stamped "378"	378. 236
Harkness, at crossing near Harkness station; top of south rail of	310. 250
main track, marked "374.1"	374.1
Harkness, 0.6 mile west of, 10 feet north of Peasleeville road, 130	requiris.
feet west of road corner, 20 feet west of small culvert, in granite	
boulder; aluminum tablet stamped "379"	378. 861
Harkness, 1.6 miles west of, at road corner near residence of Warren	
Kirby, at north fence corner; square cut on stone, marked "641.8"_	641. 84
Harkness, 3.6 miles west of, 12 feet east of Peasleeville road, and	
1,200 feet north of residence of Thomas Boyd, in boulder; alumi-	
num tablet stamped "556"	555. 845
Harkness, 4.2 miles west of, on road to Peasleeville, at road corner	
near residence of Lawrence Clair, in grass triangle; square cut in	
small stone, marked "722.0"	722.06
Harkness, 5.2 miles west of, on road to Peasleeville, at road corner;	HAMP TO
square cut on stone, marked "1105.7"	1, 105. 76
Peasleeville, 4.2 miles south of, at road corner on Harkness road;	1 041 51
point on small stone, marked "1041.4"	1, 041. 51
Peasleeville, 3.2 miles south of, on Harkness road, at road corner, 15 feet west of Peasleeville road, opposite road to Peru, in small	
boulder; aluminum tablet stamped "949"	949, 232
pourder, arminimum capier stamped 313	V.10. 202

Peasleeville, 2.2 miles south of, at road corner, on Harkness road,	Feet.
opposite telephone pole; point on stone, marked "855.4"	855. 54
Peasleeville, 1.6 miles east of, on road to Peru, on rock at road corner	
near Patent school; square cut on top of stone, marked "725.5"	725. 70
Peasleeville, 1 mile east of, bridge over Salmon River	668. 6
Salmon River; surface of water under bridge, September 18, 1911	660. 4
Peasleeville, 1 mile east of post office, on road to Peru, at road corner	
opposite Ricketson's store; square cut on stone, marked "691.7"	691. 89
Peasleeville, on rock near wall opposite Methodist Church, under elm	
tree 11 inches in diameter; aluminum tablet stamped "754"	754. 28
Peasleeville, 0.9 mile west of post office, on road to Redford, at road	
corner; square cut on top of small stone, marked "723.8"	723. 97
From east border of quadrangle along highways west, north, and west to Delaware & Hudson R. R., thence north 0.6 mile along the railroad to point 2 miles south of Peru.	Morrison (rom or
Primary leveling by Fred W. Crisp in 1916.	
The same of the sa	
Peru, 3.5 miles southeast of, on Peru-Keeseville road, northeast cor-	
ner of crossroads, east end of concrete culvert; chiseled square,	100 00
Peru, 3.5 miles southeast of, on Peru-Keeseville road, northeast cor-	400. 98
ner of crossroads, east end of concrete culvert (p. b. m. to be set).	
Peru, 3.5 miles south by 0.5 mile west of, at T road north, south, and	
east, southeast corner of junction, in root of tree; copper nail and	
washer, marked "U. S. G. S. B. M. 410.2"	410.33
a mile cast of on entrort parted Saite Bather shout 200	
DELHI QUADRANGLE.1	
Delhi Quadrangle.	
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.]	
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair.	feet of scampe Fern, 90 pole; s
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair.	rero, the stampe stampe Peru, 20 Peru, 10
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers.	stampe Peru, 20 Peru, 1a *2462
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1	stampe Peru, 20 Peru, 1a *2462
DELHI QUADRANGLE. ¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail 1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, north-	stampe Peru, 20 Peru, 1a *2462
DELHI QUADRANGLE. [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet	in unit
DELHI QUADRANGLE. [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1	, 119. 3
DELHI QUADRANGLE. [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet	, 119. 3
DELHI QUADRANGLE. [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1	, 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1 Cooperstown Junction, in front of station; top of rail1 Leveling by Karl E. Schlachter in 1915. From point 5 miles northwest of Fraser along highway to Fraser, thence north-	, 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1 Cooperstown Junction, in front of station; top of rail1 Leveling by Karl E. Schlachter in 1915.	, 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1 Cooperstown Junction, in front of station; top of rail1 Leveling by Karl E. Schlachter in 1915. From point 5 miles northwest of Fraser along highway to Fraser, thence northeast along New York, Ontario & Western Ry. to Delhi. West Delhi, 2.4 miles south of, 700 feet north of school, on southeast	, 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15′-42° 30′; longitude 74° 45′-75°.] Precise leveling in 1898 by E. L. McNair. Near-Colliers. Colliers, in front of Delaware & Hudson station; top of rail1 Colliers, 700 feet east of, bridge 54 across Susquehanna River, northeast corner of coping stone of east abutment; bronze tablet stamped "1119 A"1 Cooperstown Junction, in front of station; top of rail1 Leveling by Karl E. Schlachter in 1915. From point 5 miles northwest of Fraser along highway to Fraser, thence northeast along New York, Ontario & Western Ry. to Delhi. West Delhi, 2.4 miles south of, 700 feet north of school, on southeast corner of bridge over East Fork of Platner Brook; top of bolt painted "t. b. m. 1,577.4"	, 119. 3 , 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3
DELHI QUADRANGLE.¹ [Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3
[Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3
[Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3
[Latitude 42° 15′-42° 30′; longitude 74° 45′-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3 , 577. 51 , 555. 685 , 429. 58
[Latitude 42° 15'-42° 30'; longitude 74° 45'-75°.] Precise leveling in 1898 by E. L. McNair. Near Colliers. Colliers, in front of Delaware & Hudson station; top of rail	, 119. 3 , 118. 493 , 127. 3 , 577. 51 , 555. 685 , 429. 58 , 361. 7

Delhi, Delaware County courthouse, southeast corner, in front face of water table; aluminum tablet stamped "1,370" (Bull. 514, p. 34) _ 1,370. 459 West Delhi, 1.6 miles south of, in east side of stone culvert, in front of house of R. A. Blake; chiseled square painted "t. b. m. 1,678.5" _ 1,678.65

DEPEW QUADRANGLE.

[Latitude 42° 45'-43°; longitude 78° 30'-78° 45'.]

Primary leveling in 1903 by George Seidel.

From Darien west along Erie R. R. to Alden.

Alden, in foundation of standpipe of village waterworks; aluminum tablet stamped "865 Albany 1903"	865. 582
From Harris along highway west to Orchard Park.	
Wales Center, 2.2 miles east of; north end of west abutment of iron bridge	1, 045. 70
Wales Center, 150 feet east of covered bridge, northeast corner of foundation wall of George Kelver's residence; aluminum tablet	897, 753
stamped "898 Albany 1903"East Aurora, in brick wall to left of main entrance of schoolhouse;	100 100
aluminum tablet stamped "926 Albany 1903" (moved (?)) East Aurora, 1.5 miles west of, iron bridge across Cazenovia Creek;	926. 235
end of west abutmentOrchard Park, southeast corner of Briggs Bros.' block, in brick foun-	832. 61
dation; aluminum tablet stamped "868 Albany 1903"	868. 933
From East Aurora northwest along the Pennsylvania R. R. and highway to Ebenezer.	Willsoywi R. R. 1
Elma station, Elma Center post-office road crossing; top of rail	814. 2
Spring Brook, railroad crossing; top of rail	748. 0
Blossom (Upper Ebenezer), in foundation wall of schoolhouse, district 8; aluminum tablet stamped "672 Albany 1903"	672. 087
From Williamsville east along public road via Clarence to Millgrove.	
Williamsville, northwest corner of foundation wall of Mansion House; bronze tablet stamped "665 Albany 1903"	665. 022
Clarence, main entrance of Parker High School; aluminum tablet stamped "752 Albany 1903"	752, 704
Millgrove, 1.1 miles north of; east end of north abutment of small bridge	777. 45
From Millgrove along the New York Central R. R. to Crittenden.	
Wende, road crossing at station; top of rail	791. 0
Wende, 1.1 miles east of station; New York Central R. R. bench mark at milepost 421	811.38
Crittenden, 0.8 mile west of; New York Central R. R. bench mark at milestone 420	825. 56

¹This elevation is by a single line from a checked elevation at Big Tree, which is nearer than East Aurora, from which also by single line an elevation 0.9 foot less was derived.

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DEPOSIT QUADRANGLE.

[Latitude 42°-42° 15'; longitude 75° 15'-75° 30'.]

Precise leveling in 1901 by D. H. Baldwin.

Near Apex on New York, Ontario & Western Ry.	
The state of the s	Feet.
Apex, 0.45 mile north of, at railroad summit; top of east rail	1, 461. 3
Apex, in front of station; top of east rail	1, 445. 1

Precise leveling in 1900 by C. H. Semper.

Near Deposit.

Deposit, 1 mile west of, iron bridge over river, south wing of east	
abutment; bronze tablet marked "1026 Albany 1900"	1, 026. 543
Deposit, in front of station, northbound track; top of rail1	1, 003. 7
Deposit, 4.4 miles south of, north abutment of iron bridge, west side,	a matern
top of bridge seat; bronze tablet stamped "978 Albany 1900"	978. 972
Hales Eddy, in front of station, northbound track; top of rail	973. 3

DRYDEN QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 76° 15'-76° 30'.]

Primary leveling in 1898 by W. W. Gilbert.

From North Candor north along the Lehigh Valley R. R. to Ithaca.	No bigs
Willseyville, Stevens Hotel, east end of walk between driveway and building; chisel mark on south end of stone stepWillseyville, 2.25 miles north of, Delaware, Lackawanna & Western	948. 38
R. R. bridge over highway, south abutment under west rail and 2.5 feet above ground; aluminum tablet stamped "957"	958. 250
Besemer, 1.12 miles west of, in field 50 feet north of track; hickory tree blazed "B. M. 46," spike in root (Lehigh Valley R. R. bench	952. 40
mark)	202.10
of track (Lehigh Valley R. R. bench mark 472) East Ithaca, 1.25 miles southeast of, 450 feet northwest of highway crossing and 20 feet north of track; iron pin set in large boulder	943. 69
(Lehigh Valley R. R. bench mark 49)	901. 37
From Besemer east along highway to Caroline, thence south to Speedsville, thence west to Willseyville.	
Slaterville Springs, Methodist Church; chisel mark on top of south- west corner of foundation	1, 117. 81
Slaterville Springs, town clerk's office, east side of building, near northeast corner, 3 feet above ground; aluminum tablet stamped	Mendo, L
"A 1120"	1, 121. 400

Speedsville, O. F. Freeland's store, west side of building, 8 feet north of southwest corner, in top course of masonry foundation; alumi-

Perryville schoolhouse, east side of road, west end of first stone step

num tablet stamped "A 1121"______ 1,121.939

from top, south of door; chisel mark______1,010.19

625. 4

624.10

598. 9

588, 866

From Caroline north to Dryden, thence west to Etna. Caroline, 1.25 miles north of, at West Oswego Creek, on abutment at southwest corner of bridge; chisel mark______ 1,305.36 Dryden, 2 miles south of, first crossing of Lehigh Valley R. R. north of Dryden Lake; top of rail_______1, 162.7 Dryden, South Street crossing; top of rail______1, 101.8 Dryden, Southworth Library building, in foundation course of masonry south front of structure; aluminum tablet stamped "A 1090"_ 1,090.520 From Etna southwest along the Lehigh Valley R. R. to Ithaca. Etna, Lehigh Valley R. R. station, opposite east line of building; top of rail______1, 025. 6 Varna, 0.5 mile northeast of, at iron highway bridge over Fall Creek, west end of south abutment; chisel mark_____ 956.43 Varna, opposite west line of station; top of rail_____ Varna, 1.5 miles southwest of, 1,200 feet west of milepost 52, on north side of track; iron pin set in boulder (Lehigh Valley R. R. bench mark 51)_____ 935.55 East Ithaca, 0.5 mile northeast of, abutment at southwest corner of iron highway bridge over Cascadilla Creek; iron pin (Lehigh Valley R. R. bench mark 502)_____ 866.88 East Ithaca, opposite south line of station; top of west rail, main 873.0 Ithaca, south end of Cornell University civil engineering building, bottom course of foundation, 5 feet east of southwest corner; aluminum tablet stamped "A 814"______ 815. 107 DUNKIRK QUADRANGLE. [Latitude 42° 15'-42° 30'; longitude 79° 15'-79° 30'.] Precise leveling in 1898 by E. L. McNair. At Dunkirk. Dunkirk, St. Mary's Home and School, Washington Avenue, between Third and Fourth streets, in water table 20 feet from northeast corner; aluminum tablet stamped "598 Dunkirk 1899"_____ 598.936 Dunkirk, Nelson Block, extreme northwest corner of, on top of water table; chiseled cross_____ Precise leveling in 1902 by D. H. Baldwin. From Waites Crossing southwest along Lake Shore & Michigan Southern Ry. to Dunkirk.

Primary leveling in 1898 by E. L. Faison. From Dunkirk to Fredonia along the Dunkirk, Allegheny Valley & Pittsburgh R. R. Dunkirk, extreme northwest corner of Nelson block; top of water table______

Waites Crossing, nearly opposite flag station; top of east rail_____

Waites Crossing, 0.70 mile south of, southeast corner of cattle pass bridge 195, at east corner of parapet stone; chiseled square_____

Dunkirk, in front of Lake Shore & Michigan Southern Ry. station;

Dunkirk, Elk Street crossing of Lake Shore & Michigan Southern Ry.; top of rail	594. 6
Dunkirk, 2 miles south of, Dunkirk, Allegheny Valley & Pittsburgh R. R. culvert 3; extreme northwest corner	664. 37
Fredonia, in front of Dunkirk, Allegheny Valley & Pittsburgh R. R. station; top of rail	767. 8
From Fredonia via Laona, Lillydale, Cassadaga, and Stockton to Mayville.	
Laona, on west side of railroad bridge over Canadaway Creek, in top stone of north abutment; bronze tablet stamped "817 D"	017 000
Lillydale, 1.5 miles north of, southwest corner of abutment, south end	817. 926
of Skidmore viaduct; chiseled square Lillydale, in front of Dunkirk, Allegheny Valley & Pittsburgh station;	
top of railStockton, 500 feet west of Chriss's Hotel, east side of stone founda-	1, 312. 9
tion of blacksmith shop on Mayville Street, 4 feet above ground; bronze tablet stamped "1316 D"	1 017 501
Mayville, at Jamestown Junction, west side of cemetery, highway	1, 511. 521
bridge over Black Brook, in top stone at north end of east abutment; bronze tablet stamped "1324 D" (reset)	1, 324. 865
Mayville, top of bottom step of front of courthouse; chiseled square	1, 462. 49
tablet stamped "1500 D" Mayville, schoolhouse grounds, in south meridian monument; bronze	1, 500. 670
tablet stamped "1499 D"	1, 499. 500
From Jamestown Junction southeast along the Jamestown, Chautauqua & Lake	
Erie Ry. to Wooglin.	
Hartfield; top of station platform	1, 315. 7
ATOMA MEAN OF THE PROPERTY OF THE PARTY OF T	1, 315. 7
Hartfield; top of station platform	1, 315. 7
Hartfield; top of station platform	1, 315. 7 1, 350. 2
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top	1, 315. 7 1, 350. 2
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail	1, 315. 7 1, 350. 2
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over	1, 315. 7 1, 350. 2 774. 75 745. 1
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of	1, 315. 7 1, 350. 2 774. 75 745. 1
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D"	1, 315. 7 1, 350. 2 774. 75 745. 1
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE.	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE. [Latitude 42° 30'-42° 45'; longitude 78° 45'-79°.]	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE. [Latitude 42° 30'-42° 45'; longitude 78° 45'-79°.] Precise leveling in 1902 by D. H. Baldwin.	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE. [Latitude 42° 30'-42° 45'; longitude 78° 45'-79°.] Precise leveling in 1902 by D. H. Baldwin. From Eden southwest along Lake Shore & Michigan Southern Ry. to Derby.	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE. [Latitude 42° 30'-42° 45'; longitude 78° 45'-79°.] Precise leveling in 1902 by D. H. Baldwin. From Eden southwest along Lake Shore & Michigan Southern Ry. to Derby. Athol Springs, 1.79 miles south of, near Hamburg station on Pennsyl-	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail From West Portland northeast via Brocton to Fredonia. West Portland, on northeast corner of second step of red brick church; cross mark Brocton, at crossing of Western New York & Pennsylvania Ry.; top of rail Brocton, 1 mile north of, 0.25 mile east of station, in south side of center pier of double arch (stone) of Lake Shore Ry. bridge over Slippery Rock Creek; copper bolt stamped "667 D" Fredonia, south entrance to clothing store in Columbia Hotel; top of south stone step EDEN QUADRANGLE. [Latitude 42° 30'-42° 45'; longitude 78° 45'-79°.] Precise leveling in 1902 by D. H. Baldwin. From Eden southwest along Lake Shore & Michigan Southern Ry. to Derby. Athol Springs, 1.79 miles south of, near Hamburg station on Pennsylvania R. R., road crossing on Lake Shore & Michigan Southern	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52
Hartfield; top of station platform Wooglin, in front of station; top of south rail	1, 315. 7 1, 350. 2 774. 75 745. 1 668. 518 728. 52

Derby, 1.29 miles north of, 200 feet east of Lake Shore & Michigan	
Southern track, southeast corner of highway bridge, crossing Penn-	
sylvania R. R., in west face of concrete wing wall 2 feet above	Feet.
ground; bronze tablet stamped "724 Rochester 1902" Derby, in front of station; top of rail	723. 807 704. 6
Derby, 1.27 miles south of trestle 236, southwest corner, near north-	dadumerd.
west corner of coping stone; chiseled square	681. 08
E SEIGHT OF STREET OF STREET BUT TO THE TO THOSE BUT	
Primary leveling in 1904 by I. W. Pettit, and in 1905 by R. P. Thompson.	Fair Onks
From Blaisdell south along Pennsylvania R. R. via Hamburg to Collins station.	80 feet s
Hamburg, in stone foundation at northwest corner of Kopp's Hotel,	
at end of car line; bronze tablet stamped "826 Albany 1903 Adj"	825. 555
Water Valley, Erie R. R.; top of rail	790. 6
Eden Valley station, 300 feet east of Erie R. R. station, in northwest corner of foundation of Albert Dagle's house; bronze tablet stamped	
"792 Albany Adj 1903"	792. 254
Eden Center, northeast corner of foundation of schoolhouse; bronze	E attraction
tablet stamped "Albany 828 Adj 1903"	827. 573
North Collins, Erie R. R. station, in east face of southeast corner; bronze tablet stamped "847 Adj 1903"	847. 023
Lawton, in west face of foundation wall of E. H. Lawton & Son's	Pine Bush
store; bronze tablet stamped "826 Adj 1903"	825. 640
From Hamburg along highway southeast to Boston Center.	Dwaerkill
north face, branze tablet stanaped "251 Albany 1903" 351 col	
North Boston, 3.7 miles east of Hamburg, on northwest corner of south abutment of bridge over Idlewood (or Eighteenmile) Creek;	
bronze tablet stamped "818 Albany 1903 Adj"	817. 517
From Boston south to Mortons Corners, thence west to Lawton.	
New Oregon, 100 feet northwest of crossroads, in southeast corner of	
foundation of Peter Kirsch's house; bronze tablet stamped "1075	075 197
Adj 1903"1 Woodwards Hollow, in east face of foundation wall of F. J. Ryther's	1, 075. 137
store; bronze tablet stamped "1305 Adj 1903"1	1. 304. 850
Mortons Corners, 500 feet west of, 106 feet from corner of Martha	-louri
Schabehorn's house, 77 feet from Helen Briggs's house, and 151.42	Horselvend
feet from Emily Sampson's house; iron post (primary-traverse sta-	
tion No. 134) stamped "1389 Adj 1903"1	1, 389. 046
Whites Corners, 0.9 mile west of, in dooryard at northwest corner of	
dwelling house occupied by Mr. Christopher Naegle, on south side of road; primary-traverse iron post stamped "1115 Adj 1903" 1	114 200
ELLENVILLE QUADRANGLE.1	
[Latitude 41° 30'-41° 45'; longitude 74° 15'-74° 30'.]	Einira, Er
D	
From Napanoch south along New York, Ontario & Western Ry. via Summitville to Middletown.	
	fisquipped
num tablet stamped "319 Albany 1903"	319. 518
Spring Glen, in foundation wall of station, center of west face; bronze	of Brie I
tablet stamped "451 Albany 1903"	451. 661

¹ See Bull. 514, p. 35, for other elevations.

Silli EEVELING IN NEW TORK, 1000, 1012 2010.	
Summitville, 150 feet north of station, north end of west retaining	Feet.
wall; point on top of stone sluiceway, square	546. 44
Wurtsboro (Mamakating station), in foundation wall of station,	
north end of east face; bronze tablet stamped "723 Albany 1903"	
(destroyed, 1914)	722, 782
Bloomingburg, 0.6 mile south of, south end of east abutment of rail-	C. I. ushan
road bridge; point on top	713. 53
Winterton, in front of station; top of east rail	598.7
Fair Oaks, in front of station; top of east rail	641. 2
Crawford Junction, south end of east retaining wall of small culvert	
60 feet south of station; point on top	591. 93
increase figuréation somethiness course et Kopp's Hotel,	
From Crawford Junction northeast along Erie branch to Pine Bush, thence to Dwaarkill (single-spur line).	ethnis aler Val
Circleville, 150 feet south of station, at highway crossing; top of	diev nah
east rail	621.8
Bullville, at highway crossing south of station; top of east rail	508. 9
Bullville, in foundation wall of Methodist Church, north end of east	Da labilitati
face; aluminum tablet stamped "518 Albany 1903"	517. 840
Thompson Ridge, 60 feet south of station, highway crossing; top of	d samed
east rail	459. 4
Pine Bush, in foundation wall of Presbyterian Church, center of south	11-41-45
face; bronze tablet stamped "397 Albany 1903"	396. 919
Dwaarkill, in foundation wall of the residence owned by Mr. Horne,	11
center of north face; bronze tablet stamped "351 Albany 1903"	351. 684
ELMIRA QUADRANGLE.	Strik all
Applicable to the second of th	
[Latitude 42°-42° 15'; longitude 76° 45'-77°.]	1 101
Precise leveling in 1898 by E. L. McNair.	1013
From Big Flats east along Erie R. R. to Elmira.	
Big Flats, 1.25 miles west of, in bridge seat at southwest corner of	with that
Twie P. D. haidge 27 A : hange tehlet stemped "900 D"	000 915

Big Flats, 1.25 miles west of, in bridge seat at southwest corner of Erie R. R. bridge 67 A; bronze tablet stamped "899 D"	900, 815
Big Flats, in front of Erie station; top of south rail, westbound	nd temata
track	910.8
Horseheads, in front of Erie station, westbound track; top of north	modern of
rail	903. 4
Horseheads, 0.35 mile southwest of Erie station, on pier of Lackawanna R. R. bridge at crossing of Northern Central Ry., 50 feet	not be into
south of center of northbound track of Northern Central Ry.;	antife wh
aluminum tablet stamped "901 D" (somewhat battered)	902. 111
Horseheads, Northern Central station; northeast corner of stone	
doorsill of men's waiting room	900. 113
Elmira, Erie station, eastbound track, opposite distance board; top of south rail	857.3
Elmira, city hall, corner of Church and Lake streets, stone pedestal	001.0
of lamp-post at left of Lake Street entrance; aluminum tablet	
stamped "857 Albany"	858. 626
Elmira, 0.5 mile east of Erie station, in stone foundation at west end	Mariana and
of Erie R. R. bridge across Chemung River, between nearest east-	matte smiles
bound tracks; head of iron bolt, chisel mark (not found, 1916)	854. 593

Precise leveling in 1899 by C. H. Semper.

Precise leveling in 1899 by C. H. Semper.	
From Elmira south along Northern Central Ry. to Williamsport, Pa.	P and
West objection of blooming fellowing from the contract of the	Feet.
Southport, in front of station; top of east rail	854. 3
Elmira, 7 miles south of, creek and cattle-pass culvert, west side of	
railroad, in wall; bronze tablet stamped "1067 Harrisburg 1899"_	1,068.338
State boundary (New York-Pennsylvania) line post, opposite; top	
	1, 096. 7
Rhead on the of surfaces pluminum deblet stemes to not do test break	lind bride
Primary leveling in 1898 by W. W. Gilbert.	"% SOC "
Trimary leveling in 1656 by W. W. Gibert.	Structon Oc
From Horseheads along the Northern Central Ry. to Watkins, thence to Burdett.	
Horseheads, Lehigh Valley R. R., opposite southeast line of Horse-	
heads station; top of rail, main track	890.8
	030.0
Horseheads, men's waiting room of Northern Central station; north-	i.b. orthull
west corner of stone doorsill	900. 11
Pine Valley, opposite south line of Pine Valley station; top of rail	891. 0
nent; conser bolt (L. S. E. M. 128) quoi as	
FONDA QUADRANGLE.1	
. Annual Park and Annual Annua	
[Latitude 42° 45'-43°; longitude 74° 15'-74° 30'.]	
of Bloth Action, Distor no Trans, solawer the grant saring	
Primary leveling in 1896 by A. F. Krause.	
describe and a control of the state of the control of the state of the	
From Auriesville along canal and thence along Fonda, Johnstown & Gloversville	
R. R. to Johnstown.	PRINCIPAL PRINCI
Les out 10 km will of the miles of the historia state to be about in	to entitlet
Auriesville, § mile west of West Shore R. R. station, northwest	sin Liter
	EN PROTE
end of west wing, bridge over canal, north abutment, in corner	The Manual Property
stone; chiseled square (State engineer bench mark 106)	302, 785
Auriesville, bridge over canal 0.5 mile west of West Shore R. R.	nton this
station, in fourth course of north abutment, 1.5 feet east of east	diff motin
angle; cross cut in stone	302. 32
Fultonville, bridge over Mohawk River, on top of coping of south	11 10110
abutment; chiseled square	294. 04
abutment; chiseled square	234.04
Fonda County courthouse, in corner stone of fourth course of stones	diese as
from top of foundation at northwest corner; bronze tablet stamped	no wollent
"294"	293. 764
Cayadutta Creek, railroad bridge over, in northeast corner of coping	mostrow inco
stone, southeast end of north abutment; chiseled square	350. 73
Sammonsville, station of the Fonda, Johnstown & Gloversville R. R.,	
	587. 24
in large stone at corner of foundation; chiseled square	001.24
H1.ET	and Torons
FRANKLINVILLE QUADRANGLE.	
[Latitude 42° 15'-42° 30'; longitude 78° 15'-78° 30'.]	numinarie
[Latitude 42 15 -42 30; longitude 18 15 -18 30.]	Serie
D. Landing in 1992 by Course Caidal	

Primary leveling in 1903 by George Seidel.

From Caneadea west along public road to Rushford (on spur line).

Rushford, northeast corner of foundation wall of schoolhouse; aluminum tablet stamped "1517 Albany 1903"______ 1,517.343

FULTON QUADRANGLE.1

[Latitude 43° 15'- 43° 30'; longitude 76° 15'-76° 30'.]

Primary leveling in 1898 by C. H. Semper and D. E. Baxter.

From Oswego south via Fulton to Hinmansville.

Minetto, State dam, west side of Oswego River, southeast corner	of
third bulkhead pier on top of surface; aluminum tablet stampe	d Feet.
"302 A"	_ 303. 344
Minetto, 0.07 mile south of, Oswego Canal, between cinchers of mic	
dle gate; copper bolt (canal bench mark at lock 12)	_ 308. 54
Minetto, 1.3 miles south of, south wing of west abutment, second step	
copper bolt (canal bench mark at bridge)	_ 311. 28
Minetto, 3.0 miles south of, Oswego Canal, between cinchers of mic	- Charleston
dle gate; copper bolt (canal bench mark guard lock 4)	_ 311.99
Minetto, 4.7 miles south of, Oswego Canal, lock 11, middle hollow be	
tween cinchers; copper bolt (L. S. B. M. 129)	
Minetto, 5.5 miles south of, Oswego Canal, on first stone step, sout	
end abutment; copper bolt (L. S. B. M. 128)	_ 322.47
Minetto, 5.9 miles south of, Oswego Canal, in first step of abutment	t.
south end; copper bolt (L. S. B. M. 127)	_ 323. 16
Minetto, 6.1 miles south of, Oswego Canal, on north hollow quoin be	-
tween cinchers; copper bolt (L. S. B. M. 126)	_ 329. 025
Minetto, 6.2 miles south of, lock 9, in middle hollow quoin between	n
cinchers; copper bolt (Oswego Canal bench mark)	_ 337. 15
Fulton, northwest corner of town hall, south First Street, in wate	
table; aluminum tablet stamped "363 A"	
Fulton, 0.5 mile south of, Oswego Canal, lock 8, on lower hollow	
quoin between cinchers; copper bolt (L. S. B. M. 125)	
Fulton, 0.8 mile south of, Oswego Canal, first step of abutment, south	
end; copper bolt (canal bench mark)	
Fulton, 0.9 mile south of, Oswego Canal, guard lock 3, in lower hollow	
quoin between cinchers; copper bolt (canal bench mark)	
Fulton, 4.3 miles south of, lock 7, in middle hollow quoin between	
cinches; copper bolt (canal bench mark)	
Fulton, 5.5 miles south of, Oswego Canal, unused lock, in lower	
hollow quoin; copper bolt (canal bench mark)	
407/802	. 000.00
From Fulton east to Gilbert Mills, thence north to Vermilion, thence west to	o sirakata'
Oswego.	slutte, south
a section of the Fonds, Johnstown & Commercial of Re-	
Gilbert Mills, southeast corner of schoolhouse, district 5; aluminum	is selfer at
tablet stamped "435 Oswego"	436, 144
Vermilion, on southeast corner of Methodist Church, Main Street;	1000
aluminum tablet stamped "422 Oswego"	422, 559
South Scriba, on north side of Hall road, in southeast corner of	100
Ladies' Aid Society hall; aluminum tablet stamped "400 Oswego"_	401. 517
Lansing, on northeast corner of brick schoolhouse; chiseled square	418.84
Oswego, at Rome, Watertown & Ogdensburg R. R. crossing, on Hall	
road; top of west rail	322.1

From Fulton southwest to Bowens Corners.

Fulton, 1.9 miles west of, 30 feet east of road to south, south end of	Feet.
west abutment of highway bridge over Lye Creek; chiseled square_	371.84
Bowens Corners, south door of brick schoolhouse, district 5, on stone	
doorstep; aluminum tablet stamped "449 Oswego"	449.603

[Latitude 42° 45'-43°; longitude 76° 45'-77°.]

Primary leveling in 1899 by C. H. Semper.

From Geneva north to Lyons.

Geneva, in west face of St. Peter's Church, in water table; bronze

East X, on southwest corner of stone step of station house on Lyons	
& Geneva R. R.; chiseled mark	478.65
Mitchell (West Junius), in north face wall of post office at railroad	
crossing; bronze tablet stamped "491 Oswego 1899"	492, 524
From Geneva south along Lehigh Valley R. R. to Kendaia.	unmaturia

tablet stamped "481 Oswego 1899"	481. 524
Geneva, 1.9 miles south of, in west end of south abutment of bridge	
342, Lehigh Valley R. R.; copper bolt	465. 52
Geneva, 6.3 miles south of, in top step west end of south abutment of	
Lake road overhead bridge 337, Lehigh Valley R. R.; top of iron	

bolt	523.09
Varick, 1.8 miles south of, in northeast foundation stone of Lehigh	
Valley water tank, on west side of road; bronze tablet stamped	

Mays Point, in west wing south abutment, in third step,	of Mays
canal bridge; bronze tablet stamped "396 Oswego 1899"_	396, 642
Seneca Falls, in south face wall of Mynderse Academy, N	orth Park
Street; bronze tablet stamped "465 Oswego 1899"	466. 066
Fayette post office, in northwest corner of Dutch Reformed	Church;
bronze tablet stamped "612 Oswego 1899"	613, 223

GENOA QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 76° 30'-76° 45'.]

Primary leveling in 1899 by C. H. Semper and W. F. Hammond.

From Ovid Center southeast along Lehigh Valley R. R. to Ithaca.

	OHIVESHIE
*Ovid Center, 2.5 miles south of, set in bridge seat of cattle pass, north-	
east side; top of iron rod (L. V. B. M. 325)	821.83
Farmer, corner of Main and Lodi streets, in northeast corner of Bap-	Gilbon, 73
tist Church; bronze tablet stamped "912"	912. 420
Farmer, 0.7 mile south of, in north wall of cattle pass, east side; top	
of iron bolt stamped "B, M, No. 323"	843.88
Farmer, 2.4 miles south of, 600 feet north of highway, by fence west of	
railroad: top of iron bolt stamped "B. M. No. 322" (L. V.)	849. 18

	Covert, 1.4 miles south of, on west side of railroad, set in rock; top of iron pin stamped "320" (L. V.)	Feet. 901. 41
	Covert, 1.9 miles south of, on west side of railroad, 600 feet south of	ander tescer
	highway, set in rock; top of iron pin (No. 319 L. V.)	882. 08
	Trumansburg, in south face of Union School and Academy; bronze tablet stamped "1000 Oswego 1899"	1, 000. 390
	Trumansburg, first crossing west of station, set in rock on north side	074.00
	of track; iron pin (Lehigh Valley bench mark 318)	874. 98
	Willow Creek, 3 miles south of; top of iron plug set in boulder (L. V. B. M. 311)	588. 09
	From Ithaca north along road to Scipio.	
	Ludlowville, in south end of bulkhead dam; aluminum tablet stamped	mat. Zinkell
	"481 Oswego"	482. 334
3	Genoa, northeast corner of Hotel De Witt, in top of retaining wall;	090 501
	aluminum tablet stamped "837 Oswego"Venice Center, north side of hotel building, in foundation stone;	838. 591
	aluminum tablet stamped "998 Oswego"	999. 600
	aruminum tablet stamped 950 Oswego	222. 000
	From Ludlowville northwest along road to Aurora.	
	Black Rock (Ellsworth post office), iron bridge over Paines Creek,	
	west abutment, in top of south wing; aluminum tablet stamped "723 Oswego"	724. 413
	GILBOA QUADRANGLE.	A Hot
		St. Mana?
	Primary leveling in 1900 by George Bailey and W. S. D. Moore.	V-E)_1950
	From Lexington north to Prattsville.	
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek	SSU TO
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76
N	Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18
N	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark Prattsville, 1 mile east of, east abutment of Red Kill bridge, south end, top stone; chisel mark Prattsville, public school building, in front wall; aluminum tablet stamped "1164 Albany"	1, 275. 76 1, 181. 18
N	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884 1, 151. 04 1, 115. 65
	From Lexington north to Prattsville. Lexington, 2.5 miles north of, north abutment of Schoharie Creek bridge, east end, top stone; chisel mark	1, 275. 76 1, 181. 18 1, 164. 638 1, 517. 884 1, 151. 04 1, 115. 65 1, 010. 190

From Gilboa east to Manorkill.

From Gilboa east to Manorkill.	
Strykersville (West Conesville post office), bridge 40 feet west of post office, on southwest abutment; chisel mark	
Conesville, bridge 150 feet west of post office, on northeast corner abutment; chisel mark	
Manorkill, white church opposite post office, southeast corner; bronze tablet stamped "Albany 1515"	1, 515. 295
From Gilboa north via Blenheim to Breakabeen.	
Blenheim, 300 feet north of post office, northwest side of road, in ledge of rock; aluminum tablet stamped "813 Albany"	813. 430
From Franklinton south to Livingstonville.	District of
Livingstonville, in northwest corner of Methodist Church; bronze tablet stamped "Albany 1077"	1, 077. 310
GLENS FALLS QUADRANGLE,1	
[Latitude 43° 15'-43° 30'; longitude 73° 30'-73° 45'.]	
Primary leveling in 1898 by Clark Brown.	From Hereal
At Fort Edward.	
Fort Edward, Argyle Street canal bridge, north wing, east abut- ment, second step, face corner; chiseled cross in circle (canal bench mark)	141. 56
Fort Edward, lock 15, southeast anchor; chiseled cross in circle	a sollin in
(canal bench mark 79)Fort Edward, high school building, front entrance, in stone pilaster at	148. 52
left side; bronze tablet stamped "145 A"	144. 571
GLOVERSVILLE QUADRANGLE.	nia toldad
[Latitude 43°-43° 15'; longitude 74° 15'-74° 30'.]	
Primary leveling in 1900 by William Kelley; in 1896, by A. F. Krause and Clark Brown.	
From Caroga Corners northeast along road via Bleecker Center, Benson Center, and Benson to Northville.	titles energy
[The error distributed in this line is excessive.]	
Caroga Corners, in field about 150 feet east of road intersection, in top	direction
of large boulder; bronze tablet stamped "1527 Albany" Benson Center Corners, 17 feet westerly from bars in wall, in field on	1, 527. 198
farm of Ludwick Politch, on large boulder; aluminum tablet stamped "1288 Albany"	1, 288. 862
Benson, 185 feet east of Methodist Church, nearly opposite Benson post office, north side of road, in top of large boulder; aluminum tablet stamped "1139 Albany"	1 138 783
From Peters Corners south along road to Bleecker village (single-spur line).	pitnis etc.)
A second to the transfer of the State of the	i Sobjerett
Bleecker Village, in front of schoolhouse, district 4, on south side of road, in top of large boulder; aluminum tablet stamped "1506 Albany"	1, 505, 840
THERE IS THE PROPERTY OF THE P	_, 000.010

From Johnstown northeast along railroad to Mayfield.

The same and the same of the s	
Johnstown, station of the Fonda, Johnstown & Gloversville R. R., in first stone below brickwork at west corner of building; bronze tablet stamped "652"	Feet. 652, 008
of top stone, east end of abutment; chiseled square Gloversville, station of the Fonda, Johnstown & Gloversville R. R., in first stone below brickwork, 20 feet north of southwest corner	749. 62
of building; bronze tablet stamped "798"	798. 136
Broadalbin, top of frog in switch at junction	813. 1
Mayfield, platform at railroad station	743. 0
B. M. 756 Ft."	752. 199
GOSHEN QUADRANGLE.	
[Latitude 41° 15'-41° 30'; longitude 74° 15'-74° 30']	
Precise leveling in 1900 by C. H. Semper.	No. one
From Howells southeast along Eric R. R. to Middletown, thence east along New York, Ontario & Western Ry. to Campbell Hall.	
Howells, in front of station, westbound track; top of rail	688. 2
Middletown, in front of station, westbound track; top of rail Middletown, Clemson Bros. saw shop, in front face of brickwork, left	562. 1
of office entrance; bronze tablet stamped "558 Albany 1900"	558. 919
Mechanicstown, in front of station; top of rail	482. 0
Crystal Run, in front of station; top of rail	419.0
Stony Ford, in front of station; top of rail————————————————————————————————————	372. 4
tablet stamped "408 Albany 1900"	409. 078
Primary leveling in 1904 by G. M. Dimmick.	
From Burnside west along New York, Ontario & Western Ry. to Campbell Hall, thence southwest along Erie R. R. to Goshen, thence southeast to Greycourt.	Printer les
Kipps station, in foundation wall of residence of J. H. Kipps, south end of west face; aluminum tablet stamped "390 Albany 1903 Adj"_ Goshen, in foundation wall of Episcopal Church, north end of west	389. 600
face; aluminum tablet stamped "439 Albany 1903 Adj"Chester, in foundation wall of Methodist Church, center of south	438. 794
face; bronze tablet stamped "477 Albany 1903 Adj"Greycourt, in face of north abutment of railroad bridge over high-	476. 776
way; bronze tablet stamped "447 Albany"	448. 282
From Greycourt southwest along the Lehigh & Hudson River Ry. to Warwick, thence west along highway to Pine Island.	
Lake station, in foundation wall of the residence of J. Halbut, center of east face; bronze tablet stamped "554 Albany 1903 Adj"	553. 710
Warwick, in foundation wall of Methodist Church, north end of east face; aluminum tablet stamped "538 Albany Adj"Edenville, in stone residence of J. E. Hotaling, east end of south face,	537. 903
24 inches above ground; aluminum tablet stamped "473 Albany	
1903 Adj "	473. 217

Pine Island, in center of south face of brick railroad station, Pine	
Island division of the Erie Railroad; bronze tablet stamped "407	Feet.
Albany 1903 Adj"	407.003
the first and the property of the San Carlot and th	
From Johnson northeast along New York, Susquehanna & Western R. R. to Middletown.	
Slate Hill, in foundation wall of the store of Ourling Bros., south end of west face; bronze tablet stamped "505 Albany 1903 Arj"	505. 300
GOUVERNEUR QUADRANGLE.	distilla
[Latitude 44° 15'-44° 30'; longitude 75° 15'-75° 30'.]	
Leveling in 1913 by A. J. Kavanagh.	
From point near Keenes northeast along New York Central & Hudson River R. R. and highway to DeKalb.	
Gouverneur, 1.92 miles southwest of, at switch to east to St. Law-	
rence Marble Works; in switch block; copper nail stamped	
" 449.2 "	449. 26
Gouverneur, 0.64 mile southwest of station, in railroad bridge over	
Oswegatchie River, in northeast corner of concrete abutment;	
bronze tablet stamped "429"	430, 442
Gouverneur, in front of station; top of rail	441.9
Gouverneur, 0.09 mile northeast of station, in switch block where	
Factory Street crosses railroad; copper nail stamped "451.5"	451.51
Gouverneur, 1.08 miles northeast of station, on concrete culvert,	
north wing of west side; chiseled square	460.32
Gouverneur, 1.75 miles northeast of station, 330 feet south of mile-	
post S-110 in northwest corner of stone culvert; bronze tablet	
stamped "449"	448. 672
Gouverneur, 2.97 miles northeast of station, 600 feet north of mile-	
post S-111, on middle stone of east side of cow pass; chiseled	
square	466. 94
Gouverneur, 4.02 miles northeast of station, on granite boulder	DIGHT
11 feet west of track; chiseled square painted, "484.6"	484. 55
Gouverneur, 4.29 miles northeast of, 200 feet north of Cole's switch	
at Pyrites mine, in east side of concrete culvert; bronze tablet	
stamped "474"	473. 570
Richville, 2.22 miles southwest of, 0.45 mile north of road crossing,	
on east side of concrete culvert; chiseled square	455. 95
Richville, 0.91 mile southwest of, on granite boulder, 50 feet east	102 320
of track; chiseled square	437. 76
Richville, 280 feet southwest of station, 60 feet north of and 35	
feet west of center of main track at road crossing, in front yard	
of house owned by W. K. Premo, at foot of locust tree, in granite	Co. Com
boulder; aluminum tablet stamped "P. T. Sta. 7, 1912, 450"	449. 758
Richville, in front of station; top of rail	445. 6
Richville, 0.71 mile northeast of, 250 feet north of end of Richville	445.00
siding, in east side of concrete culvert; chiseled square	445. 89
Richville, 2.37 miles northeast of, 380 feet south of milepost S-118,	Golyen
on granite boulder at foot of telegraph pole, 40 feet west of track;	
chiseled square	465. 38

	- 12
Richville, 3.53 miles northeast of, on New York Central R. R., 560 feet	
north of milepost S-119, 50 feet east of track, on granite boulder;	Feet.
bronze tablet stamped "458"	457. 562
Richville, 4.47 miles northeast of, on New York Central R. R., 280	
feet north of road crossing, 10 feet east of track; top of left sup-	
port of milepost painted "S-120"	426. 52
Richville, 5.44 miles northeast of, where East De Kalb road crosses	
New York Central R. R., 30 feet east of track, in granite boulder,	20 701
10 feet south of road; bronze tablet stamped "424"	423. 502
De Kalb, 1.95 miles southeast of, at road fork, on granite rock;	- 100 30
chiseled square	400. 12
	070 000
way, in granite boulder; bronze tablet stamped "376"	376. 090
From point 0.9 mile northwest of De Kalb southwest and south along highway	
to Gouverneur.	
center of highway, on granite boulder; chiseled square painted	rence
"394.7"	394. 67
De Kalb, 2.32 miles west of, on Maple Ridge road, 200 feet south of	
house on Burnham farm, 15 feet east of road, on granite boulder;	gewet).
chiseled square painted "407"	406. 79
De Kalb, 3.58 miles southwest of, at three corners at Maple Ridge	
cheese factory, 40 feet east of Maple Ridge road, 90 feet north of	000 500
road to east, in granite boulder; bronze tablet stamped "370"	369. 732
De Kalb, 4.64 miles southwest of, 1.06 miles south of cheese factory, 10 feet east of road, 80 feet north of driveway, on granite boulder;	
chiseled square painted "391"	201 01
North Gouverneur, 2.05 miles north of, on Maple Ridge road, 420 feet	391. 21
south of Brown's farm, 20 feet south of road, on granite boulder;	
chiseled square painted "355.4"	355, 39
North Gouverneur, 1.06 miles north of, 150 feet north of residence of	000.00
G. C. Conklin, 15 feet south of road, in granite boulder; bronze	
tablet stamped "390"	389. 916
North Gouverneur, at crossroads, 60 feet west of intersection, on	000.010
granite boulder; chiseled square painted "377.4"	377. 34
Gouverneur, 6.26 miles north of, 150 feet south of George Whit-	77 10
more's farmhouse, 15 feet west of road, in granite boulder; bronze	
tablet stamped "373"	373. 032
Gouverneur, 5.18 miles north of, 180 feet north of red house, on	and the last
north bank of river, 10 feet east of road; chiseled square painted	
" 402 "	401. 94
Gouverneur, 4.18 miles north of, 0.3 mile south of cross roads, on	
west side of concrete culvert; chiseled square painted "421"	420. 89
Gouverneur, 3.61 miles north of, 250 feet south of farmhouse of	
G. Davis, in east side of concrete box culvert; bronze tablet	
stamped "423"	423. 118
Gouverneur, 2.38 miles north of, on Rock Island road, 100 feet south	
of A. M. Rowley's driveway, 10 feet east of road, on granite	
boulder; chiseled square painted "454.7"	454. 55
Island road outside corporation, 6 feet east of road, on granite	
boulder, chiseled square painted "464.5"	464. 40

790, 15

706.710

693.13

474. 26

465, 59

423.502

From Gouverneur east along New York Central & Hudson River R. R. to Ed-

Central R. R., on southwest corner of stone cow pass; chiseled square painted "452.8"	Feet. 452, 88 440, 51 472, 8 487, 166 563, 52 584, 31
Hailesboro, 0.8 mile northwest of, on west end of bridge over Matoon Creek, on top of bridge seat; chiseled square painted "441"	440. 51 472. 8 487. 163 563. 52 584. 31
Creek, on top of bridge seat; chiseled square painted "441" Hailesboro, top of rail in front of station	472. 8 487. 165 563. 52 584. 31
Hailesboro, top of rail in front of station————————————————————————————————————	472. 8 487. 165 563. 52 584. 31
Hailesboro, 0.19 mile east of station, in overhead crossing, in second stone from top, on north side of east end; bronze tablet stamped "487"	487. 163 563. 52 584. 31
stone from top, on north side of east end; bronze tablet stamped "487"	487. 165 563. 52 584. 31
Hailesboro, 1.36 miles east of, 100 feet west of crossing, on granite boulder, 10 feet south of track; chiseled square painted "564"	563. 52 584. 31
boulder, 10 feet south of track; chiseled square painted "564" York, 0.38 mile north of station, on southwest corner of stone culvert; chiseled square York, 0.56 mile east of station, 15 feet south of track, in granite outcrop; bronze tablet stamped "568" Emeryville, 0.27 mile west of station, on middle of south side of stone cow pass; chiseled square Emeryville, in front of station; top of rail Emeryville, 0.75 mile east of station, 30 feet north of track, on granite boulder; chiseled square Emeryville, 1.71 miles east of, at west end of railroad bridge over creek in north side of bridge seat; bronze tablet stamped "619" Talcville, 0.86 mile west of, on railroad bridge over Oswegatchie	584. 31
York, 0.38 mile north of station, on southwest corner of stone culvert; chiseled square	584. 31
chiseled square	and the fact
York, 0.56 mile east of station, 15 feet south of track, in granite outcrop; bronze tablet stamped "568"	and the fact
outcrop; bronze tablet stamped "568" Emeryville, 0.27 mile west of station, on middle of south side of stone cow pass; chiseled square Emeryville, in front of station; top of rail Emeryville, 0.75 mile east of station, 30 feet north of track, on granite boulder; chiseled square Emeryville, 1.71 miles east of, at west end of railroad bridge over creek in north side of bridge seat; bronze tablet stamped "619" Talcyille, 0.86 mile west of, on railroad bridge over Oswegatchie	E07 EE
Emeryville, 0.27 mile west of station, on middle of south side of stone cow pass; chiseled square	FOT FE
stone cow pass; chiseled square	567. 553
Emeryville, in front of station; top of rail	orsi (Tr
Emeryville, 0.75 mile east of station, 30 feet north of track, on granite boulder; chiseled square	583. 42
granite boulder; chiseled square	606. 7
Emeryville, 1.71 miles east of, at west end of railroad bridge over creek in north side of bridge seat; bronze tablet stamped "619" Talcville, 0.86 mile west of, on railroad bridge over Oswegatchie	
creek in north side of bridge seat; bronze tablet stamped "619" Talcville, 0.86 mile west of, on railroad bridge over Oswegatchie	599. 12
Talcville, 0.86 mile west of, on railroad bridge over Oswegatchie	
Talcville, 0.86 mile west of, on railroad bridge over Oswegatchie River on porth side 20 feet from east end; copper nail and washer	618. 58
River on north side 20 feet from east end; copper nail and washer	
in stringer	623. 68
Talcville, in front of station; top of rail	647. 3
Talcville, 0.33 mile east of station, on boulder 10 feet north of track;	
chiseled square	675. 77
Edwards, 0.65 mile west of station, in railroad bridge over West	
Branch of Oswegatchie River, in south side of west abutment;	050 000
bronze tablet stamped "653"	653, 393
Edwards, in front of station; top of railEdwards, at corner opposite post office, on concrete sidewalk, at foot	664. 5

of telephone post; chiseled square painted "666.5"_____

Edwards, 4.55 miles north of, 65 feet north of old road to west to Trout Lake, 6 feet east of road, on granite boulder; chiseled square_

Trout Lake, 55 feet north of front door of schoolhouse, 90 feet south of road crossing, in solid granite ledge, 5 miles north of Edwards; aluminum tablet stamped "P. T. No. 4, N. Y., 1912, 707"______

Trout Lake, 0.93 mile northeast of schoolhouse at corner, 65 feet south of road to east, on east side of culvert; chiseled square_____

Hermon, 1.03 miles west of, on bridge over Tanner Creek, east end; copper nail and washer in stringer_____

Hermon, 2.03 miles west of, 220 feet east of Bell schoolhouse corner, 10 feet south of road, on granite rock; chiseled square_____

Richville, 5.44 miles northeast of, where East De Kalb road crosses New York Central R. R., 30 feet east of track in granite boulder 10 feet south of road; bronze tablet stamped "424"______

GREENE QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 75° 45'-76°.]

Primary le	veling in 1900 by	W. E. Green and	in 1902 by C. W. M	arvin.
From Chenango	Forks northeast	t along the Delav	vare, Lackawanna	& Western
	J	R. R. to Greene.		

From Chenango Forks northwest along Delaware, Lackawanna & Western R. R. to Lisle.

Barker, road crossing near station; top of rail	937. 6
Barker, northwest corner of abutment of highway bridge; bronze	
tablet stamped "934 Albany"	934. 192
Whitney Point, waiting room at station; doorsill	956. 26
Whitney Point, at road crossing north of station; top of rail	955. 9

From East Pharsalia southwest to Smithville Flats (single-spur line).

McDonough, east foundation wall of Emanuel Baptist Church, 3
feet from southeast corner; aluminum tablet stamped "1418 Al-
bany "1, 418. 666
Smithville Flats, in stone foundation of Presbyterian Church, 1 foot
west of southeast corner; bronze tablet stamped "1033 Albany
- 000 00F

From Lisle north along highway to Cincinnatus.

Willett, southeast corner	of foundation wall of Hotel Ingall; branze	
tablet stamped "1039	Albany"	1, 039, 527

HAMLIN QUADRANGLE.

[Latitude 43° 15'-43° 30'; longitude 77° 45'-78°.]

Primary leveling in 1897 by E. L. McNair.

From Brockport north to Hamlin, thence east to Hilton, thence south to Spencerport.

Hamlin, Hamlin House, 6 feet from southwest corner, in ground in-	
side fence; iron post stamped "B 337"	337. 707
Hilton, house of Dr. J. J. Williams, in foundation wall under bay	
window; bronze tablet stamped "B 284"	285, 259

HAMMOND QUADRANGLE.1

[Latitude 44° 15'-44° 30'; longitude 75° 30'-75° 45'.]

Leveling in 1913 by A. J. Kavanagh.

From Keenes northeast along New York Central & Hudson River R. R. 3.1 miles.

Keenes, 66 feet south of center of highway, 45 feet east of center of	same Diff
track, 150 feet southwest of Kentfield House, in lower end of	DE DE
granite outcrop; aluminum tablet stamped "465"	465. 577

¹ See Bull. 514, pp. 20-21, for other elevations.

Keenes, 1 mile northeast of, on New York Central R. R. at south	
end of Matoon siding, in switch block 12 feet south of center of	Feet.
track; copper nail and washer stamped "448.645" Keenes, 2.15 miles northeast of, where Antwerp road crosses rail-	448. 64
road, 250 feet north of north end of Matoon siding, in base of	All and a second
warning sign; copper nail and washer stamped "466.760"	466. 76
Keenes, 3.08 miles northeast of, 0.32 mile north of mile post	
SO104 on New York Central R. R., in stone culvert, east side; bronze tablet stamped "449"	448, 784
Near Gouverneur.	
Gouverneur, 3.04 miles southwest of, 430 feet north of yard limit sign, 22 feet east of track, on granite boulder; chiseled square	
marked "447.8"	447. 84
HAMMONDSPORT QUADRANGLE.	Liste, 100
[Latitude 42° 15′-42° 30′; longitude 77°-77° 15′.]	
Primary leveling in 1899 by W. F. Hammond.	
From Catawba southwest to Hammondsport.	
Urbana, in east side of wine cellar; tablet stamped "734 Oswego 1899"	724 470
Hammondsport, 0.25 mile south of, in west end of north abutment of	104. 418
bridge over inlet to Lake Keuka; tablet stamped "718 Oswego	
1899 "	718. 662
From Savona northeast via Bradford and Tyrone to Reading Center.	
Savona, in south end of east abutment of highway bridge over Cohoc-	1 050 500
ton River; tablet stamped "1050 Oswego"Bradford, in top of west end of south abutment of bridge; bronze	1, 050. 708
tablet stamped "1100 Oswego 1899"	
Tyrone, in west end of south wall of highway bridge at gristmill;	Berkehlte
bronze tablet stamped "1155 Oswego 1899"Altay, 1,000 feet west of, in top of north wing of east abutment of	1, 155. 231
highway bridge; bronze tablet stamped "1213 Oswego 1899"	1, 213. 661
From Cooper north via East Campbell and Monterey to Tyrone.	
Monterey, 60 feet northwest of iron bridge, in boulder; bronze tablet	
stamped "1212 Oswego 1899"	1, 212, 778
From Savona via the Erie R. R. to Painted Post.	7 Stoffered
Campbell, 700 feet north of station, south wall of railroad girder	
bridge, on east end of bridge seat; chisel mark Painted Post, 2 miles north of, crossing of the Delaware, Lackawanna	1, 007. 21
& Western and Erie railroads; top of rail	949. 16
Painted Post, 0.8 mile west of, in southeast corner of open bridge, on	
precise-level line; bronze tablet stamped "935 Dunkirk 1898"	936. 195
Near Monterey.	
Coopers Plains, 6 miles north of, southwest corner of bridge; nail	1 079 40
in chord Monterey, 3 miles south of; top of boulder at road to South Brad-	1, 018. 40
ford	1, 127. 49
104787°—Bull, 671—18——6	

02 STRIT LEVELING IN NEW 10B	ik, 1090–1909, 1912–1910.
Monterey, 1.5 miles south of, southwest cor of iron support	
Monterey, 60 feet northwest of iron bridge, let stamped "1212 Oswego 1899"	in boulder; bronze tab-
	E. us lies requer ; sale antissaw
[Latitude 42° 15'-42° 30'; longitude	76°-76° 15′.]
Primary leveling in 1900 by W. F	E. Green.
From Lisle northwest along the Delaware, Lackaw Messengerville.	wanna & Western R. R. to
[The error distributed in this line i	s excessive.]
Lisle, 100 feet north of station, at road cross Lisle, southeast corner of schoolhouse 1; bron Albany"	nze tablet stamped "975
Killawog, waiting room at station; doorsill	1 001 03
Marathon, Main Street crossing; top of rail	1, 041, 3
Marathon, waiting room at station; top of ra	il
Marathon, 1.5 feet from northwest corner of	Peck Memorial Library,
in water table; bronze tablet stamped "10	
Messengerville, at road crossing near milk st	ation; top of rail 1,055.7
Messengerville, road crossing near station; top	p of rail 1, 055. 6
From Maine north to Nanticoke (sing	le-spur line).
	Annual Control of the
Nanticoke, at north corner of house of Mrs foundation wall; aluminum tablet stamped	. Mary Councilman, in "1100 Albany" 1, 101. 044
From Newark Valley north along the Lehigh Valley 1 of Dryden.	cipy but dragger topage and brothers
Berkshire, in front of station; top of rail	1.042.7
Berkshire, Methodist Episcopal Church, north	
entrance; bronze tablet stamped "1055 A"	
Berkshire, 0.2 mile north of, at crossing nea	
rail	1, 046. 1
Richford, waiting room at station; doorsill	
Richford, at road crossing near station; top	of rail 1, 098. 6
Richford, 0.1 mile north of Lehigh Valley R.	
under water tank, on southwest foundation	stone1, 100. 34
Harford Mills, waiting room at station; doors	1, 152. 44
Harford, waiting room at station; doorsill	1, 185. 62
Harford, in north front of Harford Method aluminum tablet stamped "1196 A"	1, 195. 861
HARLEM QUADRANGLE.	Western and Past of Asset Seat of Asset
[Latitude 40° 45'-41°; longitude 73	
At Willets Point (U. S. Engineer Corps	bench mark).
Willets Point, military post grounds, long dock	

¹ See Bull. 514, pp. 41-42, for other elevations,

under coal shed, marked "+18.0555" with chisel (reported disstroyed 1909)

HARTWICK QUADRANGLE,1

[Latitude 42° 30'-42° 45'; longitude 75°-75° 15'.]

Primary leveling in 1904 by G. M. Dimmick.

From Schuyler Lake southeast to Cooperstown.

HEMPSTEAD QUADRANGLE.

[Latitude 40° 30'-40° 45'; longitude 73° 30'-73° 45'.1

Primary leveling in 1897 by Clark Brown.

At Creedmoor schoolhouse.

Creedmoor schoolhouse, northwest corner of Madison Avenue and Pine Street, 15 feet from south line of lot and 2 feet from front line; iron post stamped "85 W. P."______

From Mineola southeast via Garden City and Hempstead to Merrick.

Mineola, in coping west end north pier of railroad water tank; bronze tablet stamped "105 W. P." (reported destroyed 1909) ______ 105. 291

Merrick, southwest corner of railroad crossing, about 15 feet from center of track, 5 feet west of line of street, 15 feet north of corner of stone; iron post stamped "19 W. P."______ 18,834

From Merrick west via Freeport to Rockville, thence north to Mineola.

Rockville Center, northeast corner of Village Avenue and Observer Street, in stone water table of brick building north of door between pilaster and window; bronze tablet stamped "26 W. P."____

HIGHMARKET QUADRANGLE.

[Latitude 43° 30'-43° 45'; longitude 75° 30'-75° 45'.]

Primary leveling in 1902 by J. B. Maguire.

From Houseville southeast along trail and highway to Clemens Corners.

[The error distributed in this line is excessive.]

From Clemens Corners south to Osceola.

Osceola, southwest corner of foundation of general store and post office; aluminum tablet stamped "1033 Albany"______1,032.970

¹ See Bull. 514, pp. 30-31, for other elevations.

From Hooker north to Gardners Corners.

Hooker, 2 miles northeast of southeast corner of Jesse Marcellus farm, 10 feet west of fence and 325 feet north of creek at the Culpepper road, in boulder; bronze tablet stamped "1758 Albany"____ 1,756.827

to the metablement at allivated

HOBART QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 74° 30'-74° 45'.]

Primary leveling in 1901 by William Kelley.

From Roxbury northeast along Ulster & Delaware R. R. to Grand Gorge, thence west to Hobart.

Roxbury, in front of station; top of west rail	1, 495. 1
Roxbury, 0.85 mile north of, north abutment of Ulster & Delaware	
bridge 59, west end; aluminum tablet stamped "1499 Albany 1901"_ 1	1, 499. 601
Grand Gorge station; platform	1, 562. 6
Grand Gorge, 125 feet east of main track and 100 feet north of sta-	
tion, top of large boulder; aluminum tablet stamped "1561 Albany	
1901 "	1, 561. 901
South Gilboa station, under overhead bridge; top of west rail 1	1, 748. 8
Stamford, in front of station; top of south rail, main track1	1, 788. 7
Hobart, 0.25 mile east of, west abutment of bridge 70, south end of	Mirrile
back wall; aluminum tablet stamped "1633 Albany 1901" 1	1, 634. 701
Hobart, in front of station; top of north rail	1, 636. 0

From Stamford northwest along highways to North Kortright, thence northeast to North Harpersfield.

Stamford, Joseph Millan's brick store on Main Street, in northwest	Street
face; aluminum tablet stamped "1826 Albany 1901"	1, 827. 24
North Kortright, front of post office, south side of road; spike in pine	
tree	1, 517. 43
North Harpersfield, southerly side of residence of Jas. A. Topping,	
under bay window, in foundation wall; bronze tablet stamped	
"1609 Albany 1901"	1,610.221

HONEOYE QUADRANGLE.

[Latitude 42° 45'-43°; longitude 77° 30'-77° 45'.]

Precise leveling in 1902 by D. H. Baldwin.

Near Honeoye Junction.

Scottsville, 1.75 miles south of, southwest corner of culvert, on coping	
stone; chiseled square	540.30
Honeoye Junction, in front of flag station; top of east rail	537.3
Honeoye Junction, Lehigh Valley R. R. bridge 34, northeast corner,	1001
near corner of foundation coping stone; chiseled square	553. 584
Alberta of Bills albuming manufactures	

From line continued east along Lehigh Valley R. R.

Genesee Valley Ju	unction, grade cr	rossing of Erie	and Lehigh	Valley	
railroads; top of	f rail				538. 8

Primary leveling in 1901 by C. H. Semper.

From East Bloomfield west along New York Central R. R. to Genesee Valley Junction.

[The error distributed as far as Honeoye Falls is excessive.]	
[The error distributed as far as honeoye rans is excessive.]	Feet.
West Bloomfield, in front of station; top of rail	776.3
Honeoye Falls, Church Street crossing; top of rail	
tablet stamped "657 Rochester 1901"	
West Rush, 200 feet south of station, west face of hotel, in foundation	
stone; bronze tablet stamped "571 Rochester 1901"	
West Rush, 100 feet west of station, road crossing; top of rail	
Genesee Valley Junction (Rush Junction), grade crossing of the New	
York Central & Hudson River and the Erie railroads; top of rail	540.8
From Honeoye Falls south along highway to Livonia Center, thence west to Livonia, thence south to South Livonia.	
Lima, St. Rose's School, Rochester Street, west face of north end;	
aluminum tablet stamped "849 Rochester 1901"	849.065
Livonia Center, Lehigh Valley R. R. crossing, near station; top of	
rail	975. 9
Livonia Center, Catholic Church, front face of southwest corner;	
bronze tablet stamped "1093 Rochester 1901"	1, 092, 415
Livonia, Main Street crossing of Erie R. R.; top of rail	
South Livonia, road crossing near station; top of rail	1, 162. 1
From Livonia Center south along Lehigh Valley R. R. to Hemlock, thence southeast along highway to Honeoye.	
Hemlock, in front of station; top of rail	
Honeoye, Congregational Church on Main Street, in west face; bronze tablet stamped "844 Rochester 1901" (bench mark on a short spur	
line not checked)	843. 433
From McQueens Crossing along the Erie R. R. to Livonia.	Pools ron farm, of
South Lima, near southeast corner of cold-storage building at railroad station; bronze tablet stamped "912 Rochester 1901"	911.607
HORNELL QUADRANGLE.	
[Latitude 42° 15'-42° 30'; longitude 77° 30'-77° 45'.]	
Precise leveling in 1898 by E. L. McNair.	
From Almond east along Erie R. R. to Adrian.	
Almond, in front of Erie station; top of rail	1, 395. 0
Almond, 950 feet east of Erie station, bridge foundation at northwest	
corner of small railroad bridge over highway; aluminum tablet	
stamped "1383 D"	1, 382. 914
Hornell, in front of Erie station; top of rail	1, 152.8
Hornell, 0.7 mile east of Erie station, foundation wall at northeast	
corner of iron railroad bridge; aluminum tablet stamped "1141 D"_	
Canisteo, in front of Erie station; top of south rail	1, 128. 0

Canisteo, 2.1 miles east of, bridge seat at northeast corner of iron- girder bridge 87; aluminum tablet stamped "1113 D" (destroyed)_ Adrian, in front of Erie station; top of south rail	1, 114, 092
From Eurns southeast along Erie R. R. to Hornell.	
Burns, in front of station; top of northeast railBurns, 0.4 mile southeast of, north side of track, on east wall of open	Homeove F
culvert; chiseled squareArkport, in front of station; top of north rail	
Arkport, Methodist Protestant Church, southeast corner, in founda-	
tion stone; aluminum tablet stamped "1188 Rochester 1902" Arkport, 1.91 miles south of, southeast corner of bridge 4, on wing wall; chiseled square	
Hornell, 0.66 mile north of station, southeast corner of bridge 1, on	1, 188, 1
foundation stone; chiseled square	1, 169. 04
Leveling in 1914 by A. J. Kavanagh.	
From Arkport north along highway to South Dansville, thence east to Cohocton.	
Arkport, in Methodist Church, southeast corner, in foundation stone; aluminum tablet stamped "1188 Rochester 1902"	1, 188, 284
Arkport, 1.3 miles northeast of four corners, in barnyard of Fred Lawrence, on granite boulder; chiseled square painted "U. S.	C eldovil
T. B. M. 1460 "	1, 460. 59
Arkport, 1.8 miles northeast of, on small boulder beside road; chiseled square painted "U. S. T. B. M. 1594"	1, 594. 64
Arkport, 3.1 miles northeast of, in southeast corner of retaining wall of small cemetery; bronze tablet stamped "U. S. P. B. M. 1860"	1, 859, 695
South Dansville, 2.65 miles southwest of, at three corners at foot of	Honeoge,
hill, on west side of rubble culvert; chiseled square painted "U.S. T. B. M. 1612.7"	1, 612, 72
South Dansville, 1.52 miles southwest of, at three corners at Dunn's	
farm, on east side of culvert; chiseled square painted "U. S. T. B. M. 1489"	1, 488, 89
South Dansville, at three corners at gristmill, in northeast wing of	
concrete bridge; bronze tablet stamped "U. S. P. B. M. 1406.3"South Dansville, 0.82 mile east of, in front of abandoned house near	1, 406. 228
top of "Dey Hill," on boulder beside road; chiseled square painted "U. S. T. B. M. 1803"	1, 802, 66
South Dansville, 2.40 miles east of, 90 feet west of Healey schoolhouse, on boulder beside road; chiseled square painted "U. S. T. B. M.	
2015"South Dansville, 3.50 miles east of, 1.3 miles west of Loon Lake four corners, in concrete sidewalk into L. R. Kiefer's house; bronze tab-	2, 014. 85
let stamped "U. S. P. B. M. 2029"Loon Lake, at four corners near lake, 30 feet east of crossroads, on	2, 028. 723
• granite boulder; chiseled square painted "U.S.T.B.M. 1727.7"	1, 727. 53
Loon Lake, 0.9 mile southeast of four corners, at crossroads at large yellow barn, on boulder under cherry tree; chiseled square painted	Lisprott
"U. S. T. B. M. 1739"	1, 738. 72
Cohocton, 4.8 miles west of, in front of Jacob Werth's red barn, in granite boulder; bronze tablet stamped "U. S. P. B. M. 1793"	1, 792. 623

Cohocton, 3.72 miles west of, 100 feet east of J. O. Rex's house, on north side of concrete culvert; chiseled square painted "U. S. T. B. M. 1670"	Feet.
Cohocton, 1.2 miles west of, on north side of concrete culvert; chiseled	1, 609. 13
square painted "U. S. T. B. M. 1428"	1, 428. 36
From point 4.8 miles southwest of Cohocton south along highway to point near	
Howard, thence southwest to Hornell, thence north along Pittsburg, Shawmut & Northern R. R. to Arkport.	
Haskinsville, 3.42 miles north of, opposite "South Church," at road	
fork, on boulder at corner of stone wall; chiseled square painted	
"U. S. T. B. M. 1704"	1, 703. 18
Haskinsville, 2.53 miles north of, in end of concrete sidewalk in front	H THE WOLL
of W. M. E. Holmes's house; bronze tablet stamped "1690"	1, 689. 677
Haskinsville, 1.04 miles north of, 30 feet south of driveway to Harvey	
Henderson's, on boulder beside road; chiseled square painted	1 640 49
"U. S. T. B. M. 1650" Haskinsville, 300 feet north of four corners, on middle east side of	1, 049. 40
bridge; chiseled square painted "U. S. T. B. M. 1607.6"	1 607 59
Haskinsville, 1.64 miles southeast of, opposite residence of Mrs. C. J.	1, 001. 55
Myers, 30 feet east of road in large boulder; bronze tablet stamped	
"1884"	1, 883, 566
Haskinsville, 2.67 miles southeast of, at three corners, opposite Cyrus	2, 000, 0 40
Keller's house, on flat rock; chiseled square painted "U.S. T. B. M.	
1993 "	1, 992. 97
Haskinsville, 3.34 miles southeast of, 0.2 mile north of State road,	
in beam of abandoned barn; copper nail and washer painted	
"U. S. T. B. M. 1903"	1, 904. 14
Howard, 1.77 miles west of, on south side concrete culvert; bronze	thron no
tablet stamped "1727"	1, 726. 663
Howard, 2.63 miles west of, 215 feet west of Fred De Groff's resi-	
dence, on north wing concrete culvert; chiseled square painted "U. S. T. B. M. 1754"	1 754 00
Big Creek, 0.57 mile east of church, on southwest corner stone cul-	1, 134.09
vert; chiseled square painted "U. S. T. B. M. 1549"	1 549 16
Big Creek, 0.74 mile west of church, 5 feet south of road, in base of	1, 010, 10
S. P. C. A. concrete watering trough; bronze tablet stamped	
"1453"	1, 452, 554
Big Creek, 1.85 miles west of church, at T road to south, on south	
side of concrete culvert; chiseled square painted "U. S. T. B. M.	
1381 "	1, 380. 61
Big Creek, 3.07 miles west of church, on south wing concrete culvert;	Spendator
chiseled square painted "U. S. T. B. M. 1323"	1, 322. 94
Hornell, 2.6 miles northeast of, 50 feet east of driveway to Glendale	
Farm, in north wing concrete culvert; bronze tablet stamped	1 004 010
"1284"Hornell, 1.83 miles northeast of, in west wing of concrete culvert;	1, 284. 010
chiseled square painted "U. S. T. B. M. 1230"	1 220 00
Hornell, 1 mile north of, at fork in State road, at Country Club, on	1, 220, 00
southeast corner of bridge seat; chiseled square painted "U. S. T.	
B. M. 1183"	1, 183, 23
Hornell, 850 feet north of Shawmut station, in southwest corner	NADE STREET
of concrete highway bridge; bronze tablet stamped "1156"	1, 155. 343

Arkport, in Methodist church, in southeast corner of foundation wall; aluminum tablet stamped "1188 Rochester 1902"	. 1, 188. 284 ; . 1, 171. 61 . 1, 171. 45
Near Howard (double-spur line).	the same
Howard, 1.14 miles west of, on north side concrete culvert; chiseled square painted "U. S. T. B. M. 1706"	1, 706, 28 1, 654, 46 1, 647, 776
INDIAN LAKE QUADRANGLE.	1 .0 . 1
[Latitude 43° 30'-43° 45'; longitude 74° 15'-74° 30'.] Primary leveling in 1896 by Clark Brown and A. F. Krause. Wakely Dam.	o ; cabind lilvanishadi
Wakely dam, 25 feet east of north of log house; in boulder copper	" 1881 "
bolt stamped "2124"	2, 119, 764
From Speculator north via Jessups River and Lewey Lake to Indian Lake.	
Speculator, small triangular park at crossroads, in boulder; copper	Hamiliavil
bolt stamped "U. S. G. S. 1772 Ft. B. M."	1, 768. 369
Camp Perkins, 0.5 mile east of, 50 feet west of Jessups River bridge,	
on north bank of river, in outcrop 5 feet above center of bridge; copper bolt stamped "U. S. G. S. 1689 Ft"	1 005 010
Lewey Lake, 100 feet from south shore of, 300 feet north of Lewey	1, 685. 012
Lake House, in boulder 8 feet broad; copper bolt stamped "U. S.	
G. S. 1659 Ft. B. M."	1. 654. 964
Sabael, 3 miles southwest of, 900 feet southwest of Beaver Brook	Big Creek,
bridge, outcrop 3 feet above and 20 feet north of road; copper bolt	life : dagwoo
stamped "1799 Ft. U. S. G. S. B. M."	1, 795. 112
From Kings Flow dam southwest via Camp Comfort to Speculator.	M. H. San
Camp Comfort (Ross Kunjamuk House), 2,000 feet south of, 8 feet	" 1458 "
east of road, in boulder 6 by 4 by 2 feet; copper bolt stamped "1774 Ft."	1 770 975
Speculator, 3 miles northeast of, at Rylander Clearing, west of Elm	1,110.515
Lake, 300 feet south of house foundation, 1,000 feet north of top of	
hill, in flat outcrop 6 feet west of road; copper bolt stamped	Hornell 2.
"U. S. G. S. B. M. 1952 Ft."	1, 947. 992
TAMESTONIA OHADDANGIE	
[Latitude 42°-42° 15'; longitude 79°-79° 15'.]	
Primary leveling in 1902 by G. M. Dimmick.	
From Jamestown northeast along Erie R. R. to Cherry Creek.	
Jamestown, 1.42 miles east of, railroad bridge over Chautauqua Out-	James
let, on center of west abutment; square	1, 302. 34

Kennedy, 750 feet south of station, east end of north abutment of	
Erie R. R. bridge; bronze tablet stamped "1257 Dunkirk 1902"	
Kennedy, in front of station; top of east rail	
Conewango, in front of station; top of east rail	
Conewango, residence of Dr. Smith, north face, east end, in founda-	
tion wall; bronze tablet stamped "1293 Dunkirk 1902"	1, 295, 521
From Falconer north along the Dunkirk, Allegheny Valley & Pittsburgh R. R. to Gerry, thence along highway east to Ellington.	maderns recently of
West araboy alone biglious via Amboy to Williamshore, for the day	MOTE DELL'AS
Falconer, 500 feet south of station, top of east end of north abutment	
of bridge; aluminum tablet stamped "1258 Dunkirk 1902"	
Gerry, in front of station; top of east rail	
Gerry, in foundation wall of schoolhouse, district 1, 9 feet from south-	
east corner, east face; bronze tablet stamped "1309 Dunkirk 1902"_	1, 308. 729
Ellington, foundation wall of Congregational Church, in north face of east end; bronze tablet stamped "1380 Dunkirk 1902"	1 970 045
east end; bronze tablet stamped 1550 Dunkirk 1502	
From Jamestown southeast along highway via Kiantone to Fentonville (checked by line from Pennsylvania).	
Wientens (6 miles contheast of Ismarkova) in foundation -11 of	
Kiantone (6 miles southeast of Jamestown), in foundation wall of	
church, center of south face; aluminum tablet stamped "1493 Dun-	1 400 100
kirk " Fentonville, road crossing; top of rail	1, 493, 120
Fentonville, 500 feet east of station, northwest corner of foundation	1, 240. 0
wall of Ira Adam's house; bronze tablet stamped "1255 Dunkirk"_	1 255 414
trobate ratio was allegated standed 1250 blinking	
KAATERSKILL QUADRANGLE.	
[Latitude 42°-42° 15; longitude 74°-74° 15'.]	Church Joseph
Primary leveling in 1900 by George Bailey and W. S. D. Moore.	
From Lanesville northeast to Kaaterskill Junction, thence northwest to Hunter.	die alori
	A The County
Edgewood, 300 feet north of station, north pier of bridge, east end,	Climitania 4
in top stone; bronze tablet stamped "1790 Albany"	
Hunter, 1 mile south of, east abutment of highway bridge, south end,	
top of stone; chisel mark	1, 620. 17
Hunter, public-school building, north side of front entrance, in foun-	mini mas /
dation wall; aluminum tablet stamped "1602 Albany"	1, 602. 562
KASOAG QUADRANGLE.	
[Latitude 43° 15'-43° 30'; longitude 75° 45'-76°.]	N 403.400
Primary leveling in 1903 by G. M. Dimmick and George Seidel, in 1904 by L. E. Tucker.	
From Altmar southeast along the Rome, Watertown & Ogdensburg R. R. to	
West Camden,	CONTRACTOR COST
West Camden. Kasoag, 500 feet east of Rome, Watertown & Ogdensburg R. R.,	it le isew
	west of to
West Camden. Kasoag, 500 feet east of Rome, Watertown & Ogdensburg R. R., northwest corner of foundation of post office; aluminum tablet stamped "638 Albany"	it le isew
West Camden. Kasoag, 500 feet east of Rome, Watertown & Ogdensburg R. R., northwest corner of foundation of post office; aluminum tablet stamped "638 Albany"	west of the
West Camden. Kasoag, 500 feet east of Rome, Watertown & Ogdensburg R. R., northwest corner of foundation of post office; aluminum tablet stamped "638 Albany"	west of the
West Camden. Kasoag, 500 feet east of Rome, Watertown & Ogdensburg R. R., northwest corner of foundation of post office; aluminum tablet stamped "638 Albany"	637. 817

Albany"	Feet. 541. 784
From Camden north along road to Osceola.	
Florence, at intersection of State road and road to Osceola, southwest corner of the foundation of O'Mara's general store; bronze tablet stamped "974 Albany" (destroyed; store burned)	973. 826
From West Amboy along highway via Amboy to Williamsburg.	, namo la li
West Amboy, in foundation wall of Union Church, east end of north face; aluminum tablet stamped "588 Albany 1903"Amboy, in foundation wall of Union Church, west end of south face; bronze tablet stamped "654 Albany 1903"	587, 989 654, 158
From Cleveland northeast to Camden.	
Elpis, in north wall of foundation of Methodist Church; bronze tablet stamped "571"	571. 236
KINDERHOOK QUADRANGLE.	
[Latitude 42° 15'-42° 30'; longitude 73° 30'-73° 45'.]	
Primary leveling in 1900 by George Bailey.	
From Philmont north to Chatham.	
Philmont, west side of Empire House, in stone over cellar window;	
bronze tablet stamped "Albany 525"	525, 504
Ghent, just south of New York Central R. R. station, at crossing;	397. 3
east rail, east trackChatham, east side of tenth roof support from east end of station,	391.3
train side; tablet (bench mark of the Massachusetts Topographical	
Survey Commission)	470. 912
Chatham, in northeast corner of Masonic Block, about 3 feet from ground; aluminum tablet stamped "Albany 470"	470, 990
Chatham, 1 mile north of, on west abutment of bridge 201, in top	110.000
stone; bench 84 of the Massachusetts Topographical Survey Commis-	alo got
sion, marked by a hole and "B. S.," bottom of hole	519. 457
From Niverville southwest via Stuyvesant Falls to Hudson.	
Niverville, near northwest corner of water tank, in brick about 4 feet from ground; bench mark of the Massachusetts Topographical	
Survey Commission, marked "B-O-M," center of hole Niverville, in southwest corner of brick water tank, 3 feet from	322, 936
ground; bronze tablet stamped "Albany 323"	322. 924
Valatie, road crossing; west rail	245
Kinderhook, 100 feet south of station, north side of highway, 10 feet west of track; top stone over drain	259. 02
Stuyvesant Falls, west end of bridge over Kinderhook Creek, in end	NATSHOE AVELTON
of north wing wall; bronze tablet stamped "Albany 156"	156. 376
Rossman station, road crossing 100 feet south of; east rail	63. 6 47. 0
Stockport, road crossing just north of station; west rail	

LAKE BONAPARTE QUADRANGLE,

[Latitude 44°-44° 15'; longitude 75° 15'-75° 30'.]

Leveling in 1914 by A. P. Meade, jr,

alog degraded in Near Bacon. To site after the interest it in the beauting

Bacon, 0.9 mile east of, in southeast corner of small railroad bridge; top end of bolt	Feet. 950. 39
Bacon, 1.2 miles east of, 4 feet southeast of milepost 54, in rock; chiseled square painted "966"	966. 37
Leveling in 1912 by H. S. Senseney.	
From Carthage northeast along New York Central & Hudson River R. R. to Pitcairn, thence northwest along highways to Keene.	
Rogers, opposite dairy; top of rail	846. 6
Karter switch, at road crossing; top of east rail	902. 0
North Croghan, 50 feet north of crossing, 15 feet west of track, in ledge; aluminum tablet stamped "Prim. Trav. Sta. No. 5, 1908,	
880 "	879. 828
North Croghan, 1 mile northeast of, west side of track; spike in telegraph pole, painted "T. B. M. 853"	852. 78
North Croghan, 1.1 miles northeast of, bridge over Indian River	838. 6
Indian River, surface of water, July 24, 1912	825
Natural Bridge, in front of station, in base of semaphore; bolt	000 07
painted white, painted "T. B. M. 837"	836. 95
Natural Bridge, at crossing; top of rail	837. 5
Burnetts switch; top of rail	821.5
Natural Bridge, 1.3 miles northeast of, 75 feet north of road crossing, 15 feet west of road, in ledge; bronze tablet stamped "857"	857, 049
Natural Bridge, 2.3 miles northeast of, north side of track; chiseled	.87.32
square on ledge, painted "T. B. M. 858"	857. 64
Diana, at road crossing; top of rail	833. 3
Diana, 75 feet west of water tank, north side of track; spike in tele-	
graph pole, painted "T. B. M. 828"	829. 34
Fitzgerald station, road crossing, west side of track; spike in tele-	
graph pole, painted "T. B. M. 820"	820. 29
Fitzgerald station, 0.5 mile east of, south side of track, in cement cul-	
vert; bronze tablet stamped "796"	796. 413
Fitzgerald station, 1.4 miles east of, north side of track; spike in tele-	
graph pole, painted "T. B. M. 779"	778. 68
Fitzgerald station, 2.7 miles east of, north side of track, at road cross-	Inca conce
ing; spike in telegraph pole, painted "T. B. M. 776"	775. 59
Lake Bonaparte, road crossing at station; top of rail	772. 5
Lake Bonaparte, 240 feet north of station, in concrete bridge over	
ditch; aluminum tablet stamped "Prim. Trav. Sta. No. 1, 771"	770. 465
Lake Bonaparte, 1.1 miles east of station, east end of small trestle,	774 50
north side of track; bolt painted white, painted "T. B. M. 775" Lake Bonaparte, 2 miles east of station, 60 feet east of road cross-	774. 53
ing, north side of track; spike in telegraph pole, painted "T. B. M.	
773"	772, 85
Harrisville, at road crossing west of station; top of rail	780. 1

Harrisville, Main Street crossing, north side of track, 1 foot west of boardwalk; top of iron post marked "C"	Feet. 792. 67
Harrisville, east end of highway bridge over Oswegatchie River, south side of road in cement walk; aluminum tablet stamped	
"Prim. Trav. Sta. No. 3, 813"Harrisville 1 mile east of, north side of track; spike in telegraph pole,	813, 154
painted "T. B. M. 837"Bacon station, 75 feet east of road crossing, 20 feet south of track,	836, 58
in ledge; bronze tablet stamped "894"Pitcairn, 0.2 mile west of, southwest corner of T road south; copper b. m. nail in root of tree, painted "T. B. M. 777"	894, 410 776, 51
Pitcairn, 1.5 miles northwest of, in front of vacant house, north side of road; copper nail in root of cherry tree, painted "T. B. M. 769"_	768. 90
Oswegatchie River, bridge over	754. 3
Oswegatchie River, surface of water, Aug. 7, 1912	740. 3
Harrisville, 2 miles north of, 800 feet north of Maynard's Corners, west side of road; painted circle on rock, painted "T. B. M. 768"_	768, 02
Harrisville, 2.5 miles north of, 700 feet south of Geer's Corners, east	Necres and
side of road, in culvert; bronze tablet stamped "765"	765, 351
Harrisville, 5 miles north of, 0.4 mile north of Leonard's Corners,	
rear of William Leonard's house; copper nail in apple tree; painted in front of house "T. B. M. 781"	781. 156
Harrisville, 6 miles north of, 1.5 miles north of Leonard's Corners,	101. 100
east side of road; chiseled square on ledge, painted "T. B. M. 800"_	799. 73
Harrisville, 6.5 miles north of, 0.2 mile south of Davis Demerit's	Rudian R
house, 15 feet west of forks in road, in ledge; bronze tablet stamped "797"	796. 549
Harrisville, 8 miles north of, 25 feet north of forks in road near Mr.	100.010
Fuller's house; copper nail in stump, painted "T. B. M. 794"	793. 88
Harrisville, 9 miles north of, 1 mile south of Russell turnpike, at	Natural I
forks in road, opposite house; copper nail in root of tree, painted "T. B. M. 710"	710. 02
Keenes station, 7 miles southeast of, at Kellogg's Corners, in con-	910000
crete front of store; bronze tablet stamped "663"	662, 601
Kellogg's Corners, 2.2 miles west of, north side of road; copper nail in root of tree, painted "T. B. M. 639"	638. 63
Keenes station, 6 miles southeast of, at Rices Corners, on top of	000.00
boundary monument marked "St. Lawrence, Jefferson, and Lewis	Month
counties"; painted "T. B. M. 644"	644. 11
Keenes station, 5.5 miles southeast of, 0.4 mile northwest of Rices	d (3194 -
Corners (monument in plain sight), east side of bridge over creek, in south abutment; bronze tablet stamped "610"	609. 411
Keenes station, 2.5 miles east of, at Steele's Corners; painted circle	000. 111
on rock, marked "584.15"	583. 69
Keenes station, 150 feet southwest of hotel, 66 feet south of center of	
highway, in lower end of granite outcrop; aluminum tablet stamped "465"	465. 577
From Harrisville southeast along highway to Middle Branch, thence southwest to Indian River.	Laborated a strong of the stro
Harrisville, 1.1 miles south of, 500 feet south of M. Mannigan's house,	
west side of road; chiseled mark on ledge, painted "T. B. M.	arata
911"	910.87

Harrisville, 2 miles south of, on road to Jerden Falls, west end of John Boesch's front yard; copper nail in root of tree, painted "T. B. M. 873"	Feet. 872, 93
Harrisville, 3.5 miles south of, on road to Jerden Falls, in front of Mr. Edgar Mantle's house, in cement base of pump; bronze tablet	B. M. Wells, 0.8
stamped "872"	871. 583
Harrisville, 4 miles south of, on road to Jerden Falls, on summit of hill, west of Middle Branch schoolhouse, west side of road; copper	Transled
nail in root of tree, painted "T. B. M. 902" Middle Branch schoolhouse, 0.5 mile west of, 500 feet west of T road	902. 33
north, 70 feet south of road, in ledge; aluminum tablet stamped "Prim. Trav. Sta. No. 2, 872"	872, 299
Middle Branch schoolhouse, 1.6 miles south of, on road to Jerden Falls, 70 feet east of cement culvert, north side of road; copper	I mandip
nail in root of tree, painted "T. B. M. 910"	910. 27
Middle Branch schoolhouse, 2.7 miles south of, on road to Jerden Falls, 100 feet north of Andrew McRobbie's house, west side of	i opota
road, on ledge; chiseled square painted "T. B. M. 964" Middle Branch schoolhouse, 2.7 miles south of, on road to Jerden	963. 48
Falls, 350 feet south of Andrew McRobbie's house, in cement culvert; bronze tablet stamped "938"	938. 058
Jerden Falls, 1.8 miles north of, 200 feet north of Fred Mersell's house, 70 feet east of road; chisel mark on ledge, painted "T. B. M.	tablet
940"	940.06
abandoned house; copper nail in root of tree, painted "T. B. M. 932"	932, 25
Jerden Falls, bridge over west branch of Oswegatchie River, west end of south abutment; bronze tablet stamped "917"	916, 466
Indian River, 50 feet west of St. Anthony's Roman Catholic Church, in large boulder; bronze tablet stamped "954"	954, 424
LAKE PLACID QUADRANGLE.	
[Latitude 44° 15'-44° 30'; longitude 73° 45'-74°,]	emadder
Primary leveling in 1901 by C. H. Semper.	
Near Lake Placid.	
Lake Placid, 0.4 mile south of station on road to Averyville, on west margin of road, in large rock; aluminum tablet stamped "1750 Ft. Covington 1901"	
LAKE PLEASANT QUADRANGLE.	
[Latitude 43° 15'-43° 30'; longitude 74° 15'-74° 30'.]	Lassella
Primary leveling in 1896 by Clark Brown, in 1898 by W. W. Gilbert, and in 1904 by L. E. Tucker.	well, e
From Piseco northeast along highway to Speculator.	
Lake Pleasant, north side of stone jail, 6 inches east of northeast corner, 3.5 feet above ground; aluminum tablet stamped "1791 A"_ 1	, 790. 543
From Northville northwest along highway to Speculator.	
the state of the s	The same of the sa

Hope schoolhouse, district 4, 75 feet west of, boulder 15 feet north of road; copper bolt stamped "U. S. G. S. B. M. 832 Ft."______ 828.311

Wells, Hosley House, in back yard of hotel, on rock 15 feet broad and	
5 feet high; bronze tablet stamped "1026" Wells, east end of abutment of covered bridge; chiseled circle and	
"B. M. B. X."	
Wells, 0.3 mile north of, patent line monument in yard of white house	
opposite road to east, in ground 15 feet southeast of house; stone marked "A" (triangle is 6 inches on each side)	1 018 00
Wells, 2.5 miles northwest of, angle of road to Hamilton Lake, 40 feet	
from each road, west of junction, boulder 6 feet high and 15 feet	
broad; chiseled circle stamped "B. M. S." Charley Lake, 25 feet southwest of schoolhouse opposite, in boulder 8	1, 593. 24
feet broad; copper bolt stamped "U. S. G. S. B. M. 1719"	1, 714, 685
Gilman Lake, white house opposite center of, 10 feet east of road at	
trail to Griffin; stone 100 feet south of building marked with chis-	
eled circle above legend "B. M. C. K." (located 15 feet north of a stone marked in a similar manner with legend "B. M. C. J.")	
	Hollar L
From Benson Center northwest along road to point 1.5 miles south of Silver Lake, thence southwest to Arietta.	
Silver Lake, 1.5 miles south of, on west bank of West Branch of	
Sacandaga River (Fly Stream) where crossed by Benson Center	
road, 10 feet north of Silver Lake trail, in large boulder; bronze tablet stamped "1865 Albany 1903 Adj"	1, 865, 009
FO DEG	
[Latitude 43°-43° 15'; longitude 74° 30'-74° 45'.]	
Primary leveling in 1901 by William Kelley.	
From St. Johnsville north along road via Oppenheim to Emmondsburg, thence	
west to Salishury Center	Indian Ri
St. Johnsville, southwest corner of Grace Church (Christian), in	
water table; aluminum tablet stamped "360 Albany" Oppenheim, southwest corner of brick residence of John P. Swartout,	360. 523
on the western side, in limestone water table; bronze tablet	
stamped "1110 Albany"	1, 109. 818
From Emmondsburg north to Oregon.	
Stratford (Devereaux), near southwest corner of Crossman's Hotel,	Latie Pin
on southerly side, in foundation wall; bronze tablet stamped "1074	OT BOW
Albany"	1, 074, 472
From Oppenheim east along road via Garoga to Johnstown.	
Lassellsville, southeast corner of D. C. Leek's store, in foundation	
wall, east face; aluminum tablet stamped "1153 Albany"	1, 152. 969
From Arietta south to Caroga Corners.	
Arietta, 240 feet north of Alex. Baudin's Hotel, on west side of road,	1 000 074
in bedrock; bronze tablet stamped "1696 Albany"	1, 696. 974
From Caroga Corners south to Garoga.	
Rockwood, 0,67 foot from southeast corner of Caleb A. Long's residence, in south face of foundation wall; bronze tablet stamped	
"1045 Albany"	1, 045. 380

LITTLE FALLS QUADRANGLE,1

[Latitude 43°-43° 15'; longitude 74° 45'-75°.]

Primary leveling in	1896 by A. B.	Pomme, in	1898 by	Clark Brown,	E. L. Faison,
	and	M. S. McD	iarmid.		

A A chart radial some and the balling as	
From Little Falls east to Ingham Mills, thence north to Salisbury Center.	believe
Little Falls, engineer's bench mark at lock 36, Erie Canal	Feet. 343, 487
Little Falls, southeast corner of Ann and Albany streets, northwest	the last
corner of brick building with stone foundation; aluminum tablet	
stamped "397"	397. 118
Little Falls, 2 miles east of, Erie Canal lock 37, northeast corner; top	West tinn
of coping stone, chiseled cross	353, 535
Manheim, in front of station; top of south rail	604. 5
Inghams Mills, 27 feet east of Little Falls & Dolgeville R. R. track,	
120 feet north of road crossing, on rock in place 6 feet above	
ground; aluminum tablet stamped "726 A"	726. 870
From Salisbury Center west via Fairfield to Middleville.	
Salisbury Center, brickwork in rear of Universalist Church; alumi-	
num tablet stamped "1065 A"	1, 064. 372
Salisbury Corners, church near northeast corner of crossroads, stone	
entrance, lower step, south end of face corner; chiseled square	1, 214. 22
Fairfield, Military Academy laboratory building, front of south end,	
in stonework 3 feet above ground; aluminum tablet stamped	teal will the last
"1278 A"	1, 277. 867
Fairfield, Military Academy laboratory building, front of south end,	
projection on corner stone 1 foot above ground; old bench mark	1 050 040
marked "1276.829 above tide at Troy"	1, 276. 240
From Middleville north to Norway, thence east and south to Salisbury Center.	
Middleville, 3.5 miles north of, 200 feet north of road to east by stone	
schoolhouse, east end of stone culvert; chiseled square	777.00
Norway, northwest corner of crossroads opposite hotel, west end of	
stone foundation of building, 1 foot from face corner; aluminum	Roscon St
tablet stamped "1320 A"	1, 319. 830
Salisbury Center, 5.5 miles north of, 80 feet north of Jerseyfield Lake	
road, in outcrop 1 foot from southeast corner of Willis Nichols's barn; aluminum tablet stamped "1618 A"	1 010 525
Salisbury, 2.3 miles north of, at Curtis schoolhouse, east and west	
road crossing; stone step marked with circle	
From Newport along the New York Central & Hudson River R. R. southeast to	
Middleville, thence south to Herkimer.	
White Creek, iron bridge, on south abutment of bridge seat, east	
wing; chiseled square	632, 77
City Brook, on south end of east parapet wall of stone arch, on	
coping stone; chisel mark	609. 03
Canyon Brook, stone arch over, south end of east parapet wall, on	
coping stone; chiseled square	591. 26
Middleville, West Canada Creek; north coping of west abutment of	FEO. 05
iron highway bridge, marked "O"	572. 35

00 811111 11111111111111111111111111111	
Middleville, West Canada Creek, in coping of iron bridge, west abut-	Feet.
ment, north wing; copper bolt stamped "U. S. G. S. B. M. 572"	570. 861
Herkimer County poorhouse, in north corner of bottom of flagstone,	
front entrance; chiseled square	591, 21
Countryman station, Atlantic & St. Lawrence (Grand Trunk) R. R.,	
bridge 10, north abutment, west wing wall, close to angle, on cop-	did made a
ing stone; chiseled square	492. 31
West Canada Creek, Dempsters Bridge, 0.5 mile north of Kasts	IN A CHOICE
Bridge, north abutment, west wing; bridge seat marked "O."	latin bal
В. М.	473. 80
West Canada Creek, Kast Bridge (railroad station), west abutment,	PSELLINGS IN
north wing; bridge seat stamped "O. B. M."	457. 51
Herkimer waterworks, north door of pump house; northwest corner	
of doorstep, stamped "O. B. M. 5"	402 03
Herkimer, county clerk's office on Court Street, left of main en-	
trance, in stone water table; aluminum tablet stamped "407 A"	406. 975
THE PARTY OF THE P	
LIVINGSTON MANOR QUADRANGLE.	
[Latitude 41° 45'-42°; longitude 74° 45'-75°.]	
Leveling by Karl E. Schlachter in 1915.	
From Horton southeast along New York, Ontario & Western Ry. to Roscoe, thence northeast along highway to Craigie Clair School near Beaver Kill.	outgrature.
Horton station, 0.6 mile east of, in foundation of semaphore $142\frac{1}{2}$;	bininfield.
chiseled square, "t. b. m. 1146.3"	1, 147. 29
Cooks Falls, 0.8 mile west of, 350 feet east of Grove siding, south	8121
margin of track, in ledge, 1.5 feet above ground; bronze tablet stamped "N. Y. 1160"	1, 160. 430
Cooks Falls station; top of south rail of westbound track	1, 184. 1
Cooks Falls station, 0.7 mile east of, 560 feet west of mile post 140, in	
north end of stone culvert; chiseled circle painted "t. b. m.	20120 3000
1,196.4"	1, 196. 28
Cooks Falls, 1.6 miles east of, in north end of central pier of railroad	
bridge 153; bronze tablet stamped "N. Y. 1220"	1, 220. 308
Roscoe station, 2.6 miles west of, 400 feet west of mile post 138, in	stone 1
south side of stone culvert; chiseled square painted "t. b. m.	toldet s
1238.7 "	1, 238. 58
Roscoe station, 1.6 miles west of, in ledge, south margin of track,	
opposite mile post 137; chiseled circle painted "t. b. m. 1263.6"	1, 263. 52
Roscoe station, 0.4 mile west of, in north end of east pier of railroad	
bridge 151; bronze tablet stamped "N. Y. 1280"	
Roscoe, in front of station; top of rail	1, 283. 9
Roscoe station, 1.1 miles north of, 100 feet north of old Rockland post	
office, top of hydrant painted "t. b. m. 1,296.2"	1, 296. 14
Beaver Kill bridge, in east end of central pier; bronze tablet stamped	1 990 000
"N. Y. 1332"	1, 332. 099
Beaver Kill bridge, 0.6 mile northeast of, at Spring Brook corner,	
in stone at bottom of stone wall, north of road; chiseled square	
painted "t. b. m. 1,350.3"	
Beaver Kill bridge, 1.2 miles northeast of, 50 feet east of water	
trough, in ledge, east margin of road; chiseled square painted "t. b. m. 1,367.9"	
ь, р, ш, 1,001,0	2,001.00

et. . 693
. 256
. 183 . 697
. 160
554
070

LONG EDDY QUADRANGLE.

[Latitude 41° 45'-42°; longitude 75°-75° 15'.]

Precise leveling in 1900 by C. H. Semper.

From Lordville southeast along Erie R. R. to Callicoon.

Lordville, opposite milepost "J. C. 153 B. 271," northbound track;	869. 3
Lordville, at railroad station, suspension bridge over Delaware River,	
in face of north abutment; bronze tablet stamped "865 Albany	
1900 "	865. 915
Long Eddy, 400 feet north of station, girder bridge, east side of south	
abutment, in top of bridge seat; bronze tablet stamped "834 Al-	
bany 1900 "	835. 195
Long Eddy, in front of station, northbound track; top of rail	836. 7

¹ See Bull. 514, pp. 97-98, for other elevations.

Hankins, in front of station, northbound track; top of rail	Feet. 807. 5
Hankins, 1 mile south of, 100 feet west of milepost "J C 14 side of railroad, in west abutment of small bridge over aluminum tablet stamped "801 Albany 1900" (permission	er creek;
to A. D. Parsons March 31, 1915, for moving this mark)	802. 015
Callicoon, in front of station, northbound track; top of rail- Callicoon, 900 feet south of station, railroad girder bridge o ware River, top of north abutment, east side; bronze tablet	ver Dela-
"780 Albany 1900"	
Leveling in 1915 by Karl E. Schlachter.	
From Cadosia east along New York, Ontario & Western Ry. to 1	Horton.
Cadosia, 2.8 miles east of, in north side of top of concrete tion at semaphore 157; bronze tablet stamped "N. Y. 96	
Tyler's siding, 2 miles west of Fish's Eddy, in north side abutment of New York, Ontario & Western Ry. bridge 168	e of east
circle painted "t. b. m. 958.3"	958. 32
New York, Ontario & Western semaphore 155; chisel	ed circle
painted "t. b. m. 978.6"Fish's Eddy, in east abutment of railroad bridge 165, between	en north-
bound and southbound tracks; bronze tablet stamped "98	
Fish's Eddy, opposite crossing signal at station; top of rail_ East Branch, 2.1 miles west of, on concrete foundation of N Ontario & Western Ry. semaphore 153; chiseled circle	ew York,
"t. b. m. 990.5"East Branch, 0.9 mile west of, 650 feet west of semaphore	
ledge, in south margin of track; chiseled circle painted	" t. b. m.
East Branch, in northeast corner of concrete foundation of water tank; bronze tablet stamped "N. Y. 1,007"	railroad
East Branch, 1.1 miles east of, 120 feet east of road crossing mill, in ledge, south margin of track; chiseled circle	g at saw- e painted
"t. b. m. 1,029.6"	est abut-
1,038.3 "	
Trout Brook, in front of station; top of railTrout Brook station, 1.3 miles east of, 580 feet east of miles	epost 147,
in ledge, south margin of track; bronze tablet stamped 1,074"	1, 074, 723
Elk Brook station, top of north rail of eastbound track, crossing	at road 1, 090. 5
Chiloway station, 0.7 mile west of, in foundation of semaple chiseled square painted "t. b. m. 1,096.3"	nore 145;
Chiloway station, 65 feet east of, in east end of north side	e of rail-
road culvert 159; bronze tablet stamped "N. Y. 1106" Horton station, 0.5 mile west of, in north side of culvert 157;	; chiseled
square painted "t. b. m. 1,127.6"Horton station; top of north rail of westbound track	1, 127. 90
Tion station, top of north ran of westbound track	1, 110. 0

LONG LAKE QUADRANGLE.

[Latitude 44°-44° 15'; longitude 74° 15'-74° 30'.]

Primary leveling in 1899 by C. B. Bailey and W. W. Gilbert.

From Tupper Lake Junction east along road to Wawbeek, thence south to Long Lake.

Tupper Lake Junction, New York Central & Hudson River R. R., Adirondack division, in foundation to water tank; aluminum tablet stamped "1555 Albany"	Feet.
Tupper Lake, 3.75 miles east of, north side of road at crossing of Cornell forestry west line, on top of large boulder 6 feet high; chiseled	
square	
num tablet stamped "Albany 1574" Long Lake, island in lower end of, 120 feet west of Island House, owned and occupied by Amos Robinson, in top of boulder; alumi-	1, 574. 634
num tablet stamped "1638 Albany"	1, 638. 211
From point 4 miles west of Newcomb, north to Catlin Lake (single-spur line).	
Catlin Lake, Caughnawauga Club House, 50 feet east of boathouse, large rock at edge of lake; aluminum tablet stamped "1603 Cov-	
ington 1901"	1, 603. 091
From Tupper Lake south via Moody to Jenkins Pond (single-spur line).	
Tupper Lake, 2.2 miles south of, at Simons Pond, end of iron bridge	
over Raquette River, east side; top of large bolt holding bridge	1 554 56
plate on caisson pier	To The sale
plate on caisson pier Tupper Lake, 10.6 miles south of, foot of Jenkins Pond, Litchfield	Tambana and
plate on caisson pier	Tambana and
plate on caisson pier	1, 757. 778
plate on caisson pier	1, 757. 778
plate on caisson pier	1, 757. 778

Precise leveling in 1900 by C. H. Semper.

At Lowville.

Lowville station, 1,000 feet south of, railroad bridge 756 over creek	
and highway, west side north abutment; bronze tablet stamped	
"863 Albany 1900" (found in 1910 to be an aluminum tablet	
marked "864.529")	864. 529
Lowville, in front of station; top of rail	868.8

¹ See Bull. 514, pp. 24-27 for other elevations.

LUZERNE QUADRANGLE.

[Latitude 43° 15'-43° 30'; longitude 73° 45'-74°.]

Precise leveling in 1899 by E. L. McNair.

From Hadley north along Delaware & Hudson R. R. to Thurman.

Hadley, 1.5 miles south of, at northeast corner of stone culvert, about 600 feet west of red house on west side of highway, in coping stone; aluminum tablet stamped "634 Albany 1899"Hadley, 3.25 miles north of, at northwest corner of steel-girder bridge 9 over Wolf Creek, in coping stone of bridge seat; aluminum tablet stamped "630 Albany 1899"Stony Creek, 0.4 mile south of, at northwest corner of steel-girder bridge 10 over Stony Creek, in coping stone of bridge seat; aluminum tablet stamped "600 Albany 1899"	Feet. 634, 309 630, 458 600, 427
Primary leveling in 1899 by J. E. Thomas.	
From Hadley west to Day, thence south to Edinburg.	
Hadley, northwest corner of G. West's paper mill; aluminum tablet stamped "613 Albany"	613, 917
Hadley, 5.75 miles southwest of, 1,500 feet north of road, east side of lower river road leading to Conklingville, on boulder at intersection; old State bench mark, chiseled "B. M. 11"	628, 84 726, 049
From West Day east to Efner Lake (single-spur line).	120, 049
Day Center, 3 miles southeast of, on Lake road, near house owned and occupied by John S. Kinney, in ledge of rock; bronze tablet stamped "1009 Albany"	1 , 009. 590
From Hadley north to Warrensburg, thence west to Thurman.	
Luzerne, on stepping stone in front of Catholic Church; chisel mark_ Luzerne, 4.5 miles northeast of, west side of Warrensburg road, 300 feet south of house at edge of woods, in ledge of rocks; bronze	665. 03
tablet stamped "834 Albany"Warrensburg, on Main Street, in southeast corner of stone building	834. 025
used as post office; bronze tablet stamped "749 Albany"	749. 022
From Stony Creek to Knowlhurst.	
Stony Creek, 0.4 mile south of, at northwest corner of steel-girder bridge 10 over Stony Creek, in coping stone of bridge seat; aluminum tablet stamped "600 Albany 1899"	600. 427

LYON MOUNTAIN QUADRANGLE.

[Latitude 44° 30'-44° 45'; longitude 73° 45'-74°.]

Primary leveling by George Seidel in 1903.

At Twin Pond.

Twin Pond, Delaware & Hudson R. R. station, 100 feet west of, south wing of west abutment of railroad bridge; aluminum tablet stamped "1443 Ft. Covington 1903"Twin Pond, Delaware & Hudson R. R. b. m. "2078+82," cross cut into south corner of parapet abutment	Comment. "
Leveling by J. M. Perkins in 1911.	
From Twin Pond along Delaware & Hudson R. R. northeast to point north of Chazy Lake post office, thence south and east to Russia station.	
Twin Pond, 0.8 mile east of, 12 feet south of center of track, in west end of concrete culvert cap; painted square on top, marked "1506"_Standish, 100 feet west of, opposite section house, at southwest concrete culverts.	
of railroad water standpipe, on concrete base; marked "1578.3"Standish, 0.7 mile east of, on south abutment of concrete culvert, 6 feet west of center of track; aluminum tablet stamped "1598"	
Lyon Mountain, 185 feet west of, south wing of east abutment of railroad bridge over brook, 11 feet from center of track; aluminum tablet stamped "1753"	1, 753, 247
Bradley Pond switch, 200 feet east of; top of concrete culvert, marked "1712"	ocall high
Lyon Mountain, 2.7 miles northeast of, on Delaware & Hudson R. R.; top of concrete culvert, marked "1715.3"	1, 715, 12
Lyon Mountain, 3 miles northeast of, on southeast end of south abutment of concrete culvert, near junction of railroad sections 7 and	18 VIII.8
9, 12 feet from center of track; aluminum tablet stamped "1715"Chazy Lake, 215 feet north of, on east side of concrete railway bridge over brook, 10 feet from center of track; aluminum tablet stamped	1, 714. 918
"1605"	1, 604. 805
"1598"	1, 597, 476
Russia, 110 feet east of station, in top of concrete culvert, 11 feet from center of main track of Delaware & Hudson R. R.; aluminum tablet stamped "1489"	
From Picketts Corners southwest along highway to point near Merrillville.	nt store
Picketts Corners, on rock in yard of F. Bresett, 2 feet from fence line and 40 feet from corner of store; aluminum tablet stamped "801" -Saranac Hollow, on stone post at fence corner near intersection of Redford road and road to Burnt Hill; drill hole in top of stone	799. 548
marked "778.0"	776.87

1 The true elevation of this bench mark may be 1 foot greater.

Moffitsville, west end of wooden bridge over Saranac River; elevation painted on large stone marked "797.6" at south side of bridge_



Moffitsville, 0.5 mile west of, in grass plot between two roads from	Feet.
Moffitsville to Redford; drill hole in top of stone marked "926.9"	925.80
Moffitsville, 1.7 miles west of, near intersection of Saranac and	
Redford (old plank) roads with road passing Patrick Moore's	
house, 5 feet east of center of former road and 100 feet north of	
center line of latter, in granite stone in wall; aluminum tablet	
stamped "1125"	
Redford, 0.5 mile south of, beside Clayburg road, at forks opposite	
road that crosses Saranac River on iron bridge; point on rock	
marked "1097.3"	1, 096. 28
Redford, 1.1 miles south of, at road corner, 9 feet from corner of	gos and
fence; square cut in top of rock marked "1109.8"	
Clayburg, on northwest corner of north abutment of iron bridge over	
Saranac River; aluminum tablet stamped "1119"	1, 117. 561
Clayburg, 0.25 mile north of, on Cold Brook road at road corner;	1 100 05
square cut on small stone marked "1132.0"	
Clayburg, 2.3 miles north of, opposite Ans's store; point on rock	
marked "1135.9"	
Cold Brook, on south abutment of west wall of iron bridge over north branch of Saranac River where Cold Brook enters; aluminum	
tablet stamped "1145"	1 144 080
Cold Brook, by roadside in front of schoolhouse; point on rock	
marked "1167.4"	
Cold Brook, 1 mile west of, 250 feet west of Mrs. P. Hanlon's resi-	1, 100. 10
dence, 12 feet south of road; point on stone marked "1193.2"	1. 192. 23
Cold Brook, 3.2 miles west of, at road corner, in boulder opposite	1, 102, 20
school 12; aluminum tablet stamped "1365"	1, 364, 086
Sugar Bush, 1 mile north of post office, at road corner, near fence cor-	
ner; square cut in top of boulder marked "1570.8"	
Sugar Bush, 0.8 mile south of, at fork in roads, in rock in grass tri-	
angle between Alderbrook road and road to Merrillville; aluminum	
tablet stamped "1616"	1, 614. 677
Merrillville, 1.4 miles east of guide boards, at road corner; square cut	
in top of boulder marked "1501.2"	1, 500. 35
Vermontville, 5.6 miles north of, 4.3 miles south of Chases road cross-	
ing, in large boulder; aluminum tablet stamped "1776"	1, 776. 288
Town Discoulant Links would be Aliceback	
From Disco along highways west to Alderbrook.	
Disco, 2.1 miles south of post office, at road corner; square cut in top	
of stone, marked "1191.7"	1, 190. 57
Goodriches Mills, between district school 8 and road corner, in a	
stone in field, 200 feet from school and 50 feet from road; aluminum	
tablet stamped "1151"	1, 149. 801
Goodriches Mills, 1.8 miles west of, in front of house of M. Yelle;	Pinkers C
point on stone marked "1220.0"	1, 218. 89
Goodriches Mills, 2.7 miles west of, at road corner, in front of residence	1 000 00
of M. Tearney; square cut in top of stone, marked "1291.8"	1, 290. 68
Silver Lake, 2.3 miles east of, at road corner, on stone in field near	
stone wall at north side of road, 100 feet west of road corner;	1 519 170
aluminum tablet stamped "1514"Hawkeye (Silver Lake), in front of hotel near boathouse; point on	1, 915. 170
nawkeye (Shiver Lake), in front of notes near boathouse; point on	1 401 57
rock marked "1402.6"	
Silver Lake; surface of water, August 21, 1911	1, 000. 0

Hawkeye, 1.4 miles west of, 150 feet east of road corner, on north side	Feet.
of road, in boulder; aluminum tablet stamped "1542"	1, 541. 111
Union Falls, on west wing wall of concrete dam, under gate house;	GREENLY
square cut in concrete, marked "1398.8"	1, 397. 70
Alderbrook, 0.2 mile east of post office, in front of church, near ceme-	1 606 179
tery gate, on boulder; aluminum tablet stamped "1607"Alderbrook, 0.2 mile west of post office, at road corner near yellow	1, 000. 172
schoolhouse; point on stone marked "1534.7"	1 533 61
Alderbrook, 1.2 miles west of, on boulder at road corner; square cut	THE PARTY OF THE
with drill hole in center, on top of rock marked "1347.5"	1, 346. 43
Alderbrook, 2.8 miles west of, at road corner; point on boulder	
marked "1501.2"	1, 500. 35
MACEDON QUADRANGLE.	
[Latitude 43°-43° 15'; longitude 77° 15'-77° 30'.]	B Obidu
Primary leveling in 1898 by C. H. Semper.	
Union Hill station, road crossing near; top of rail	425. 7
Lakeside, on west wall of railroad culvert, north side of track, 600	120. 1
feet west of station, on top step; chiseled square	421, 56
Lakeside, highway crossing east of; top of rail	424.0
Ontario Center, 0.6 mile east of, in southeast corner of cellar wall of	
Ontario Union school; bronze tablet stamped "447 Oswg."	447. 670
Ontario, in front of station; top of rail	414. 6
From Webster south along highway to Fairport.	
Webster, at northeast corner of Union Academy building, in water	
table; aluminum tablet stamped "465 Oswgo"	466. 225
Fairport, Main Street, New York Central & Hudson River R. R.;	
top of rail	455. 8
Fairport, Main Street, West Shore R. R.; top of rail	455. 6
Fairport, Union school, in water table of Church Street front; aluminum tablet stamped "498 Oswgo"	498. 983
	100.000
From Ontario south via Walworth to Palmyra.	From post
Walworth, at northwest corner of Walworth Academy building, in	
water table; aluminum tablet stamped "564 Oswgo"	564. 785
Palmyra, 1 mile west of, Mud Creek aqueduct, in buttress of south wing of west abutment; aluminum tablet stamped "446 Oswgo"	446. 625
	110, 020
From Fairport south to Bushnell Basin.	
Bushnell Basin, bridge 50 over Erie Canal, towpath abutment, inner	405 550
face of west wing; bronze tablet stamped "465 Oswgo"	465, 759
McKEEVER QUADRANGLE.1	
[Latitude 43° 30'-43° 45'; longitude 75°-75° 15'.]	
Primary leveling in 1897 by Clark Brown, and in 1898 by C. H. Semper.	
From Forestport north to White Lake.	
White Lake station, 2 miles south of, near Nicholl's mills, on face of	
coping, at northwest corner of railroad bridge over Bear Creek;	1 070 00
chiseled square	1, 370, 08

¹ See Bull. 514, pp. 23-24, for additional elevations.

From	White	Lake	northeast	along	New	York	Central	&	Hudson	River	R.	R.
via McKeever to Fulton Chain.												

White Lake station, 50 feet west of railroad, 10 feet north of wagon road, in boulder 5 feet broad; copper bolt stamped "1421 A" White Lake station, 2.5 miles north of, 100 feet north of White Granite Co.'s switch, west of track at foot of embankment; iron	Feet. 1, 420, 664
staple in boulder 20 feet broad	1, 456. 819
copper bolt stamped "U. S. G. S. 1544 Ft. B. M."	1, 543. 828
northwest wing, near face corner end of coping; chiseled square McKeever, 3.5 miles north of, at railroad bridge 37 (90-foot span) over Moose River, 1 foot from girder, north abutment, west end on face	1, 559. 12
angle; chiseled squareMinnehaha station, Moose River bridge, north end, east end of para-	1, 641. 34
pet, on corner; chiseled squareFulton Chain station, 3 miles southwest of, 500 feet north of house,	1, 681. 39
south end of culvert, on north end of parapet; chiseled square	1, 714. 28
From White Lake east to North Lake (Atwell post office).	
North Lake (Atwell), 6.3 miles northwest of, at junction of road to Woodhull Lake; aluminum tablet in top of rock stamped "1947 A". Woodhull, in front of gate house, in line with back edge of dam;	
A A SECTION AND ADDRESS OF A SECTION AND ADDRESS OF A SECTION ASSESSMENT OF A SECTION ASSESSMENT AND ADDRESS OF A SECTION ASSESSMENT	1,000.012
MALONE QUADRANGLE.	
[Latitude 44° 45′-45°; longitude 74° 15′-74° 30′.]	
Leveling in 1913 by A. J. Kavanagh.	
Near Malone Junction on Rutland R. R.	
Malone Junction, 0.97 mile east of, 60 feet east of road crossing, on north side of stone culvert; chiseled square painted "U. S. T. B. M. 750.9"	750. 50
From point north of Constable south along New York Central & Hudson River R. R. to Whippleville.	
Constable, 2.76 miles north of station, top of east support of milepost M. 8; chiseled cross painted "U. S. T. B. M. 339"Constable, 1.74 miles north of station, on top of east support of mile-	338. 74
post M. 7; chiseled cross painted "U. S. T. B. M. 383.4" Constable, 0.77 mile north of station, at north end of high trestle bridge, in top of stone of northwest abutment; bronze tablet	383. 00
stamped "404"Constable, 0.25 mile north of station, on east side of wooden compass, in top timber; copper nail and washer painted "U. S. T. B. M. 412.4"	403. 210
Constable, 0.72 mile south of station, on northwest corner of railroad bridge, top of coping stone; chiseled square painted "U. S. T. B. M. 462"	461. 39
Malone Junction, 3.62 miles north of, 0.41 mile south of milepost M-4, 50 feet east of track, in sandstone boulder; bronze tablet stamped "512"	401, 59
	511, 144

Malone Junction, 2.25 miles north of, on railroad bridge over Trout	
River, on northwest abutment on top of concrete course; chiseled	Feet.
square painted "U. S. T. B. M. 559.9"	559. 50
Malone Junction, 1.04 miles north of, 250 feet north of road crossing,	
on top of west support of milepost M-1; chiseled cross painted	
"U. S. T. B. M. 686"	679. 71
Malone Junction, 245 feet west of cross tracks, opposite corner of	
street to north, in large granite boulder at foot of telegraph pole;	
bronze tablet stamped "739"	738. 824
Malone Junction, in front of station; top of cross tracks marked	
" 741.6 "	741. 2
Malone Junction, 1.01 miles south of, on New York Central R. R., on	
northwest corner of culvert; chiseled square painted "U.S.T.B.	
M. 818.9 "	818. 48
Malone Junction, 2.38 miles south of, on New York Central R. R.,	
90 feet north of milepost 11-171, on northwest wing of stone cow	
pass; chiseled square painted "U. S. T. B. M. 940"	939. 62
Whippleville, 1 mile north of station, 0.25 mile north of milepost	
4-170, in west side concrete dry bridge; bronze tablet stamped	
"1010"	1,009.351
	or available !
Leveling in 1914 by H. S. Senseney.	Drawales ()
From Malone west along Rutland R. R. to Brushton.	
Malone Junction, 245 feet west of cross tracks, opposite corner of	
street to north, in large granite boulder at foot of telephone pole;	= 00 004
bronze tablet stamped "739"	738. 824
Malone, opposite Rutland station, south side of track, in telephone	Shuggy 0.8
pole; spike marked "U. S. B. M. 715"	714.67
Malone, 1.4 miles west of, on west end of south abutment of high-	
way bridge over railroad; chiseled square marked "U. S.	delemen
B. M. 701"	701. 03
Malone, 2.3 miles west of, north side of track, in culvert; bronze	7/10/0 (100)
tablet not stamped	674. 302
Malone. 3.7 miles west of, south side of track, in telephone pole;	arros forte
spike marked "U, S. B. M. 643"	642. 87
Malone, 4.8 miles west of, south side of track, in telephone pole; spike	best marked
marked "U. S. B. M. 618"	617. 28
Bangor, front of station; top of south rail	576.8
Bangor station, 400 feet west of, north side of tracks, in culvert;	
bronze tablet not stamped	575. 139
Bangor station, 1.4 miles west of, south side of track, in telephone	
pole: spike marked "U. S. B. M. 545"	544. 99
Bangor station, 2.7 miles west of, 50 feet east of road crossing, south	
side of track, in telephone pole; spike marked "U. S. B. M. 514"	513. 43
Bangor station, 3.5 miles west of, north side of track, 25 feet east	
of private road crossing, in ledge; bronze tablet not stamped	495, 818
Bangor station, 4 miles west of, 60 feet west of road crossing, south	
side of track, in telephone pole; spike marked "U. S. B. M. 487"	486. 54
Bangor station, 5.2 miles west of, 100 feet east of private road cross-	
ing, south side of track, in telephone pole; spike marked "U. S.	
B. M. 461 "	460.68

From point 2 miles east of Brushton south, east, and north along highway via Skeery to Malone.

North Bangor, about 3 miles southwest of, 1.1 miles south of railroad, east side of road, on culvert; chiseled square marked "U. S. B. M. 570"	Feet. 570. 25
West Bangor, about 2 miles northwest of, 200 feet south of Little Salmon River, at southwest corner of forks of roads, in culvert;	310.23
bronze tablet stamped "605"	604. 459
West Bangor, about 1.5 miles west of, at northwest corner of road forks, on ledge; chiseled square marked "U. S. B. M. 757" West Bangor, about 2 miles west of, north side of road at T road to	757. 12
south, on ledge; chiseled square marked." U. S. B. M. 787"	786. 82
West Bangor, about 2.5 miles southwest of, on "Bangor-Brandon"	
town line, east side of road, in culvert; bronze tablet stamped "N. Y. 828"	827, 523
Skerry, 5.1 miles west of, 60 feet west of road forks, south side of	
road, on ledge; chiseled square marked "U. S. B. M. 931"	931. 15
Skerry, 4 miles west of, at southeast corner of crossroads, on ledge; chiseled square marked "U. S. B. M. 987"	986. 64
Skerry, 3 miles west of, 60 feet southwest of crossroads, in ledge;	200.01
bronze tablet stamped "1,000"	1,000.010
Brandon Center, in front of church, on ledge; chiseled square marked "U. S. B. M. 1041"	1 041 00
Skerry, 1.5 miles west of, 15 feet north of crossroads, in triangle, on	1, 041. 09
ledge; chiseled square marked "U. S. B. M. 1121"	1, 120. 89
Skerry, 300 feet south of church, west side of road, in boulder; bronze	1 000 000
tablet stamped "Prim. Trav. Sta. No. 1 1086 1914"Skerry, 0.9 mile east of, north side of road, on summit of hill, on ledge;	1, 086. 060
chiseled square marked "U. S. B. M. 1277"	1, 276. 96
Skerry, 2.4 miles east of, 40 feet southwest of crossroads, on ledge;	
chiseled square marked "U. S. B. M. 1304"	1, 304. 31
Skerry, 3.9 miles northeast of, 100 feet southwest of crossroads, in boulder; bronze tablet stamped "1277"	1 276 714
Malone, 5.4 miles south of, 50 feet west of Lake Titus road, on north-	an equipment
east corner of bridge; painted bolthead marked "U. S. B. M. 1184"_	1, 183. 61
Malone, 4 miles south of, west side of road, on ledge; chiseled square marked "U.S.B. M. 1082"	1 001 05
Malone, 2.7 miles south of, 200 feet north of road forks, west side of	1, 051. 59
road, in ledge; bronze tablet stamped "N. Y. 980"	980. 312
Malone, 1.8 miles south of, east side of road, in root of spruce tree;	The Tonnoil
copper nail, marked "U. S. B. M. 933" Malone, east side of "Webster" Street, 35 feet north of "Wood-	933. 07
ward" Street, in wooden post; copper nail, marked "U. S. B. M. 849"	849. 31
Malone, west side of entrance of county clerk's office, in stone step;	1 to solo
bronze tablet stamped "N. Y. 730 1914"	729. 501
From point 2 miles east of Brushton north and east along highway to West- ville, thence southeast to point 2.3 miles west of Malone.	
Cook Corners, about 2 miles southwest of, at southeast corner of road	
forks, on boulder; chiseled square marked "U. S. B. M. 422"	422. 16

Cook Corners, about 1 mile southwest of, at northwest corner of cross-	Feet.
roads, on ledge; chiseled square marked "U. S. B. M. 361" Cook Corners, 0.9 mile west of, north side of road, opposite road to	361.00
south, in ledge; bronze tablet stamped "N. Y. 304"	303. 887
Cook Corners, southwest corner of, on culvert; chiseled square	
marked "U. S. B. M. 315 "	315. 05
Cook Corners, 1.2 miles north of, east side of road, on culvert;	320. 73
chiseled square marked "U. S. B. M. 321" Cook Corners, 1.9 miles north of, southeast corner of road forks,	520. 15
in culvert; bronze tablet stamped "N. Y. 292"	291. 527
Cook Corners, 2.8 miles north of, west side of road, on culvert; chis-	
eled square marked "U. S. B. M. 240"	240. 13
Fort Covington Center, 60 feet south of road forks, west side of road, in culvert; bronze tablet stamped "N. Y. 204"	203, 432
Fort Covington Center, 1.3 miles north of, southeast corner of bridge	200. 102
over West Branch Deer Creek, in floor of; bronze tablet stamped	
"N. Y. 187"	187. 085
Westville, 1.6 miles west of, south end of west abutment of bridge; chiseled square marked "U. S. B. M. 187"	187. 13
Westville, at forks of roads, 100 feet west of Ordway's store, in cul-	101.10
vert: bronze tablet stamped "N. Y. 205"	205. 013
Westville Center, 1.1 miles north of, east side of road, on culvert;	misvalia.
chiseled square marked "U. S. B. M. 218"	217. 54
crossroads, in stump; copper nail marked "U. S. B. M. 257"	257, 07
Fay, 2.9 miles north of, 200 feet south of road forks, west side of road,	200211910
in culvert; bronze tablet stamped "N. Y. 298"	298. 263
Fay, 2 miles north of, west side of road, on culvert; chiseled square	000 41
marked "U. S. B. M. 337"Fay, 1.2 miles north of, west side of road, 250 feet north of forks,	336. 41
on culvert; chiseled square marked "U. S. B. M. 384"	384. 26
Fay, 350 feet north of road forks, west side of road, in culvert;	
bronze tablet stamped "N. Y. 424"	424, 301
Fay, 0.9 mile south of, east side of road, on culvert; chiseled square marked "U. S. B. M. 518"	518. 10
Fay, 1.7 miles south of, 50 feet north of road forks, east side of road,	010, 10
in telephone pole; spike marked "U. S. B. M. 597"	596. 57
The state of the s	
From Westville northeast along highway to Trout River, thence east to point 3.7 miles north of Constable. (An error of 0.36 foot was adjusted in this	
line.)	
Westville, 1.4 miles east of, at northeast corner of crossroads, in base	
of signpost; spike marked "U. S. B. M. 212"	211.97
Westville, 3.1 miles east of, northwest corner of road forks, in ledge;	000 000
bronze tablet stamped "N. Y. 263"	262. 650
tree; copper nail with washer, marked "U. S. B. M. 239"	238. 34
Trout River, in base of international boundary monument 735; bronze	
tablet stamped "N. Y. 224"	223, 178
Trout River, 1.3 miles east of, south side of road, in root of stump; copper nail with washer, marked "U. S. B. M. 239"	238. 78
copper nan with washer, market U. S. D. M. 200	200. 10

MARGARETVILLE QUADRANGLE.

[Latitude 42°-42° 15'; longitude 74° 30'-74° 45'.]

Primary leveling in 1901 by William Kelley and W. E. Green.

From Fleischmans station to Helecttaville

From Fleischmans station to Halcottsville.	
Fleischmans station, east abutment of Ulster & Delaware R. R. bridge 47, south end; aluminum tablet stamped "1515 Albany 1901"	1, 515, 771 1, 380, 7 1, 403, 8
From Arkville southeast along road to West Shandaken.	
Dry Brook, West Shandaken, front of Second Adventist Church, southwest corner; bronze tablet stamped "1628 Albany 1901" From Arkville southwest along highway to Arena, thence southeast to Grant	1, 628. 726
Mills, thence south to Ulster-Delaware county line on Coykendall road.	
Margaretville, stone steps at entrance to People's Bank, west face; aluminum tablet stamped "1325 Albany 1901"	1, 325. 581
Near Dunraven north to New Kingston,	Per 2 mi
New Kingston, north face of United Presbyterian Church, 2 feet west of belfry tower; aluminum tablet stamped "1685 Albany 1901" (possibly 2.85 feet too low)	
Leveling in 1915 by K. E. Schlachter.	
From Margaretville southwest along Delaware & Northern R. R. to Arena.	
Margaretville, at entrance to People's Bank, cemented into west face of stone step; aluminum tablet stamped "1325"	1, 307. 3
railroad bridge 4; chiseled circle painted "t. b. m. 1296.6" Dunraven station, top of west rail at Dunraven station, 0.8 mile west of, in boulder 12 feet north of track; bronze tablet stamped "N. Y. 1284"	1, 295. 2
Hall's Bridge, 150 feet west of, in south margin of track, on boulder;	
chiseled square painted "t. b. m. 1272.9"Arena, 0.8 mile east of, in west end of north abutment of culvert	
Arena, 0.8 mile east of, in west end of north abutment of culvert 5; chiseled circle painted "t. b. m. 1268.5"Arena station, 450 feet east of, in ledge, south margin of track, 1 foot above ground; bronze tablet stamped "N. Y. 1270"Arena, at road intersection near old "Central House"; back part	1, 268. 53

of hydrant top marked "B. M. 1263" (old t. b. m.) ______ 1, 266. 57

MASSENA QUADRANGLE.1

[Latitude 44° 45'-45°; longitude 74° 45'-75°.]

Primary leveling in 1904 and 1906 by G. M. Dimmick.

From Richards Landing south along highway to Massena Springs, thence east along the Grand Trunk Ry. to Helena.

The state of the s	
Richards Landing, 58.5 feet east of east face of Isaac Richards's resi-	
dence, 3 feet north of south fence of river road, 13 feet under-	
ground; concrete base, in top of which is set a 4-inch round-	Feet.
head bolt (Deep Waterways P. B. M. 6)	232. 381
Massena, in northwest corner of Clark block; bronze tablet stamped	1
"205 Albany 1904"	205, 000
Massena Springs, 4.33 miles east of, in south end of east abutment	200.000
of railroad bridge; bronze tablet stamped "193 Albany 1904"	192, 946
of famoud bridge, bronze tablet stamped 133 Albany 1304	102. 040
The Manual Control and bank along and all Reproduits to Manual	
From Massena Springs southwest along road via Raymondville to Norwood, thence along railroad northeast to Winthrop, thence along highway north-	
northeast via Helena to Hogansburg.	THE STATE OF
Photolic Spring and Spring Spr	
Massena Springs, 2.75 miles southwest of, in foundation wall of north	
end of east face of brick house of Charles Cabby (owned by Allen	
Ames), on highway leading from Massena Springs southwest to	
Raymondville; bronze tablet stamped "216 Albany 1904"	216, 063
Raymondville, in foundation wall of Union Church, 10 feet from	
north end of west face; bronze tablet stamped "251 Albany 1904"_	251, 126
Norfolk, in foundation wall of Presbyterian Church, 12 feet south of	
north end of west face; aluminum tablet stamped "257 Albany	
1904 "	257. 037
Norwood, in foundation wall of Music Hall, north end of east face,	- Marian make
28 inches above ground; aluminum tablet stamped "330 Albany	
1903 Adj"	330. 237
Knapps, in foundation wall of residence of L. M. Maxfield, west end	10000
of south face; aluminum tablet stamped "360 Albany 1904"	359. 984
Knapps, 3.81 miles east of, in top of north end of east abutment of	1000
railroad bridge, 420 feet west of highway crossing; aluminum	
tablet stamped "345 Albany 1904"	344. 718
Winthrop, in foundation wall of Universalist Church, south end of	011.110
east face; aluminum tablet stamped "337 Albany 1904"	337. 180
Winthrop, 2.96 miles north of, in foundation wall of schoolhouse, dis-	001.100
trict 3, town of Brasher, south end of east face; aluminum tab-	
let stamped "291 Albany 1903 Adj"	290. 458
Brasher Center, in foundation wall of Methodist Church, east end of	200. 100
south face; aluminum tablet stamped "266 Albany 1903 Adj"	265. 748
South face, ardinard tables stamped 200 Houry 1000 May	_30, 120
From Buckton north to Winthrop.	
Stockholm, 2.7 miles north of Buckton, in brickwork of residence of	
Andrew Traverse, west end of south face; aluminum tablet	
stamped "376 Adj 1903"	376. 484
THE PERSON NAMED OF THE PE	SAMP20

MEDINA QUADRANGLE.1

[Latitude 43°-43° 15'; longitude 78° 15'-78° 30'.]

Primary leveling in 1896 by E. L. McNair.

On circuits tied to canal bench marks.

Middleport, Erie Canal bridge 145, in north foundation under center	
of bridge and facing towpath and canal; bronze tablet stamped	
"519" (permission to remove bench mark granted on December	Feet.
29, 1911, to J. V. Hogan)	518. 458
29, 1911, to J. V. Hogan)	010. 400
Medina, Prospect Street bridge 140, lower step, east end, north side	
of Erie Canal; copper bolt stamped "518"	517. 189
Elevations determined from New York State survey levels of 1883, corrected.	
teaching and to but the south old of east abilities.	
East Shelby, at southwest corner of Methodist Episcopal Church, in	
boulder; copper bolt stamped "668"	667. 547
Shelby Town, 125 feet north of Coons bridge, east side of road between	
East and West Shelby, in top of boulder 3 feet high; copper bolt	
stamped "616"	615, 756
Stamped 010	010. 100
Wheatville, 200 feet north of road crossing, 3 feet east of fence line,	
under northwest corner of red barn of John Waterstreet, in granite	To Bulletia
boulder; copper bolt stamped "669"	668. 182
Alabama station, 4 miles northwest of, 0.2 mile north of Tonawanda	
Creek, north side of gate entrance to feeder, in second step of east	
abutment; copper bolt stamped "622"	621. 160
abutilient, copper bott stamped	a le balant
Bench marks set from old railroad levels, corrected (value doubtful).	
Bellen marks set from our fairbad levels, corrected (value deabstar).	
Pembroke, 1,550 feet east of railroad station, Batavia & Tonawanda	
branch of New York Central & Hudson River R. R., on coping stone	
branch of New 10rk Central & Hudson tilver R. R., on coping stone	
of east abutment of bridge 104, south side of track; copper bolt	000 700
stamped "823"	822. 780
East Pembroke, 1 mile north of, 630 feet north of corner, east side of	
north and south road, on land belonging to E. H. Clark, in boulder	
6 feet square deeply embedded in ground; copper bolt stamped	
"873 ft."	872. 140
and the second of the second o	a onlaw
MEXICO QUADRANGLE.2	
[Latitude 43° 15'-43° 30'; longitude 76°-76° 15'.]	
Primary leveling in 1903 by G. M. Dimmick and George Seidel.	
From Vermilion east along highways via Mexico, Union Square, and South	
Albion to Kasoag.	
Mexico, in foundation wall of pillar post of school building; aluminum	Service .
tablet stamped "384 Albany 1903"	384. 059
Union Square, in foundation wall of residence of E. C. Parsons, cen-	
ter of north face; bronze tablet stamped "467 Albany 1903"	467, 454
ter of north face; bronze tablet stamped 40t Albany 1909	101. 101

South Albion, in foundation of cheese factory, south end of east face; bronze tablet stamped "645 Albany 1905"_____

645.002

<sup>See Bull. 514, p. 96, for additional elevations.
See Bull. 514, p. 88, for additional elevations.</sup>

From Union Square south along the Rome, Watertown & Ogdensburg R. R. to Parish, thence east along highways to West Amboy.	
ratish, thence east along highways to west Amboy.	Feet.
Parish; top of southeast corner of foundation wall of station	475. 95
From Parish south along the Rome, Watertown & Ogdensburg R. R. to Central Square, thence east along the New York, Ontario & Western Ry. to Constantia.	
Hastings, 1.2 miles west of station, in foundation wall of Presbyterian Church, south end of west face; aluminum tablet stamped "486 Albany" (bench mark on single-spur line)	486. 355
MILFORD QUADRANGLE.	
[Latitude 41° 15'-41° 30'; longitude 74° 45'-75°.]	
Primary leveling in 1904 by G. M. Dimmick.	tolone
At Mongaup.	teblet
Mongaup, top of north abutment of highway bridge over Mongaup Creek; bronze tablet stamped "503 Albany 1903 Adj"	503. 031
MILLBROOK QUADRANGLE.	
[Latitude 41° 45′-42°; longitude 73° 30′-73° 45′.]	egilikai
Primary leveling in 1899 by Seth Van Loan.	
From Washington Hollow east via Millbrook to Dover Plains.	
Millbrook, 2 miles west of, south parapet wall of bridge over stream; point in stone	459. 56
Millbrook, west side of Millbrook Bank near southwest corner; aluminum tablet stamped "Albany 568"	568. 824
From Dover Plains north along the Harlem R. R. to Millerton.	
Wassaic, 600 feet south of, north abutment of bridge over stream;	459 19
Amenia, in corner stone southwest corner of Amenia Bank; alumi-	453. 13
num tablet stamped "Albany 573"Coleman, 0.87 mile north of, west end of north abutment overhead	573. 87
bridge; point on second step from top Millerton, first bridge north of, south abutment, west end; point on	586. 68
second stone from top	499. 56
From Millerton via Shekomeko along the Newburg, Dutchess & Connecticut R. R. to Pine Plains.	
Millerton, in northeast front of brick block hotel; aluminum tablet stamped "Albany 701"	701. 081
Winchells station, 1.25 miles west of, south abutment of cattle pass bridge 66; point on east end	864. 73
Shekomeko, 1 mile north of, south abutment of overhead bridge 63; point on fourth step from top, west end	
Bethel station, west abutment of bridge 57; point on north end,	731. 87
chisel mark "U. S." Pine Plains, in foundation stone of Myers dwelling, near southeast	500.79
corner of house; aluminum tablet stamped "Albany 474"	474. 626

From Pine Plains via Stissing and Stanfordville to Clinton Corners.

MOIRA QUADRANGLE,1

[Latitude 44° 45'-45°; longitude 74° 30'-74° 45'.]

Precise leveling in 1900 by C. H. Semper.

From Moira along New York & Ottawa R. R. to Fort Covington.

Moira, Methodist Episcopal Church, in east face of; aluminum tablet stamped "420 Albany 1900" 419. 450

Bombay, public school on Main Street, in northwest face of; bronze tablet stamped "193 Albany 1900" 193. 144

Fort Covington (Deep Waterways primary bench mark), Grand Trunk Ry. bridge over Salmon River; chiseled square, 1 foot from south edge and 1 foot from east edge of east abutment 166. 453

Fort Covington, Grand Trunk Ry. bridge over Salmon River, 600 feet west of station, top of south end of east abutment; bronze tablet stamped "167 Albany 1900" 166. 452

Primary leveling in 1904 by G. M. Dimmick.

From Helena to Hogansburg.

Helena, in north end of west abutment of Grand Trunk Ry. bridge over St. Regis River; bronze tablet stamped "191 Albany 1904"__ 191.039 Hogansburg, in foundation wall of St. Patrick's Church; ‡-inch bolt (Deep Waterways P. B. M. B.)_______ 178, 261

Leveling in 1914 by H. S. Senseney.

From Brushton west along Rutland R. R. to Moira.

From Dickinson along highways northwest 2 miles, thence west 8 miles, thence north 6.7 miles, thence east and southeast to Moira.

Dickinson Center, 3.6 miles north of, in large rock on east side of railroad at culvert 18, 25 feet east of rail, 5 feet north of track; aluminum tablet stamped "603 Albany 1900"_______

602, 642

Alburg, 1.4 miles south of, east side of road, 100 feet south of church,	Feet.
in telephone pole; spike marked "U. S. B. M. 595"	595. 34
Alburg, 0.5 mile east of, 180 feet west of road forks, south side of	
road, in culvert; bronze tablet stamped "464"	464. 194
Alburg, 1.2 miles west of, at northeast corner of crossroads, on rock;	
chiseled square marked "U. S. B. M. 512"	512. 23
Alburg, 2.7 miles west of, at northeast corner of crossroads, on	
boulder; chiseled square marked "U. S. B. M. 504"	504. 31
Lawrenceville, 300 feet east of Deer River, at northwest corner of	and a second
crossroads, in culvert; bronze tablet stamped "435"	434. 517
Lawrenceville, 1.2 miles west of, at northeast corner of crossroads,	112
on culvert; chiseled square marked "U. S. B. M. 467"	467. 26
Lawrenceville, 2.1 miles west of, at northeast corner of crossroads,	100.00
on culvert; chiseled square marked "U. S. B. M. 439"	438. 60
Lawrenceville, 3.2 miles west of, at northwest corner of crossroads,	100 -0-
in concrete step of creamery; bronze tablet stamped "437"	436. 565
Lawrenceville, 3 miles west of, about 550 feet east of school house, at	
northeast corner of road forks, on ledge; chiseled square marked "U. S. B. M. 403"	409 14
Lawrenceville, about 3 miles northwest of, at northeast corner of	403. 14
crossroads, on rock; chiseled square marked "U. S. B. M. 368"	367. 971
North Lawrence, about 1.5 miles west of, 75 feet north of railroad,	301. 311
35 feet east of road, in ledge; bronze tablet stamped "330"	330. 201
North Lawrence, about 1.5 miles northwest of, 120 feet north of road	000. 201
forks, east side of road, in telephone pole; spike marked "U.S.	Holosa
B. M. 285"	284. 47
North Lawrence, about 2.5 miles northwest of, 250 feet southeast of	
road forks, in boulder; bronze tablet stamped "265"	264. 439
Brasher Iron Works, 4.3 miles south of, south side of road, in stump;	
copper nail with washer marked "U. S. B. M. 264"	263. 85
Brasher Iron Works, 2.6 miles south of, 50 feet south of road forks,	
east side of road, in root of maple tree; copper nail stamped "U.S.	
G. S. N. Y. B. M."	260. 14
Brasher Iron Works, 2.8 miles south of, north end of west abutment	water to
of bridge over Deer River; bronze tablet stamped "261"	260. 746
Moira, 6.7 miles northwest of, 1.1 miles east of Deer River, north side of road, in root of stump; copper nail marked "U. S. B. M.	
	070.00
Moira, 5.9 miles northwest of, 60 feet east of Jerry Hurley's house, in	278. 62
root of elm tree; copper nail marked "U. S. B. M. 308"	307. 90
Moira, 5.2 miles northwest of, 250 feet north of house, east side of	301. 30
road, in root of stump; copper nail marked "U. S. 278"	277. 85
Moira, 3.9 miles northwest of, at road forks, 60 feet southeast of	211.00
school house, in ledge; bronze tablet stamped "321"	320. 809
Moira, 2.7 miles northwest of, on east end of north abutment of	020.000
bridge over Lawrence Brook; chiseled square marked "U. S. B. M.	
314 W-10 "	313. 33
Moira, 1.2 miles northwest of, 15 feet east of road forks, on boulder;	383 "
chiseled square marked "U. S. B. M. 399"	398. 95
Moira, Methodist Episcopal Church, in east face of; aluminum	
tablet stamped "420 Albany 1900"	419.450
104787°—Bull, 671—18——8	

From point 2.6 miles south of Brasher Iron Works northwest along highway to Helena.

Brasher Iron Works, 1 mile south of, 720 feet south of road forks,	
20 feet east of road, on boulder; chiseled square marked "U. S.	Feet.
B. M. 264 "	263, 63
Brasher Iron Works, 300 feet south of schoolhouse, west side of road,	200. 00
	000 000
in ledge; bronze tablet stamped "263"	262, 928
Brasher Iron Works, 1 mile north of, southwest corner of road forks,	orizan en la
in telephone pole; spike marked "U. S. B. M. 243.5"	243. 18
Brasher Iron Works, 2.1 miles north of, east side of road, in root of	
dead elm tree; copper nail with washer stamped "U. S. G. S.	
N. Y. B. M.," marked "U. S. B. M. 195"	194.61
Helena, on north end of west abutment of Grand Trunk Ry. bridge	
over St. Regis River; bronze tablet stamped "191 Albany 1904"	191.039
From Helona east along Grand Trunk Ry, to Bombay.	
Helena, front of station; top of south rail, marked "U. S. 1994"	199.4
Helena, 1.1 miles east of, south side of track, in telephone pole: spike	200.4
marked "U. S. B. M. 193"	193, 13
Helena, 2.3 miles east of, south side of track, in telephone pole; spike	100. 10
marked "U. S. B. M. 191"	101 04
Holong 2.8 miles east of 25 feet northeast of read energing in Laborate	191.04
Helena, 2.8 miles east of, 25 feet northeast of road crossing, in ledge;	spirate.
bronze tablet stamped "192"	191. 775
Helena, 3.8 miles east of, 50 feet east of road crossing, south side	L. Handel
of track, in telephone pole; spike marked "U. S. B. M. 198.6"	198. 62
Helena, 4.8 miles east of, south side of track, in telephone pole;	
spike marked "U. S. B. M. 198"	197 63
Helena, 6.8 miles east of, 400 feet north of railroad, west side of	
road, in culvert; bronze tablet stamped "196"	195, 956
Helena, 7.8 miles east of, south side of track, in telephone pole;	
spike marked "U. S. B. M. 191"	190.90
Bombay, front of station; top of east rail	189. 1
Bombay, public school on Main Street, in northwest face of; bronze	100. 1
tablet stamped "193 Albany 1900"	109 144
tablet stamped 155 Albany 1500	193. 144

MONTICELLO QUADRANGLE.1

[Latitude 41° 30'-41° 45'; longitude 74° 30'-74° 45'.]

Primary leveling in 1904 by G. M. Dimmick.

From Oakland Valley northwest to Forestburg.

Oakland Valley, highway bridge over Neversink River, in ledge of	
rock 35 feet southeast of southeast corner; bronze tablet stamped	
"686 Albany 1903 Adj"	685. 570
Hartwood, in stone residence of Willis Butler, north end of east face,	
30 inches above ground; bronze tablet stamped "1275 Albany	
1903 Adj "1	, 275. 457

¹ See Bull. 514, pp. 36-37, for additional elevations.

MORAVIA QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 76° 15'-76° 30'.]

Primary leveling in 1896 by A. B. Pomme.

From Etna northeast along Lehigh Valley R. R. to McLean.

The land and 127 (100) resemble the property of the formation of the forma	
Freeville, Lehigh Valley R. R. freight house, west side of fourth pedestal from south end under freight platform; chisel mark McLean, north of small bridge at west side of square and south of	
store and post office, in east wall of mill race; chiseled square marked "U. S. G. S. 1123"	1, 119. 61
From McLean west to Midway, thence north to North Lansing, thence northeast to Locke, thence north to Moravia.	II, M.
Peruville, 200 feet east of station, iron highway bridge, on southeast bridge seat; chiseled square	1, 026. 95
road running south, on southeast corner of stone step to front entrance of schoolhouse; chiseled square	1, 396. 82
butternut trees nearly opposite farmhouse, in boulder in east fence; copper bolt stamped "U. S. G. S. 1320 ft."Midway, 1 mile north of, about 200 feet south of road running east	1, 317. 900
and west, on southwest bridge seat of small bridge; chiseled square	983, 20
iron post stamped "U. S. G. S. B. M. 1005 Ft." Locke, 3 miles southwest of, bridge at crossroads, on southeast bridge	1, 001. 986
seat; chiseled square	941, 63
of curbstone; chiseled square	793. 07 781. 77
From Sayles Corners southwest to Moravia.	
Wilson Corners, top of retaining wall at blacksmith shop, in limestone boulder; chiseled squareMontville, gristmill north of blacksmith shop, in northeast corner of	1, 091. 24
road running east. west step stone to stairs; chiseled square Moravia, Moravia House, corner of Cayuga and Main streets, in northeast corner of foundation; bronze tablet stamped "743"	913, 57 740, 480
Moravia, Church Street, at top of schoolhouse hill, capstone at north end of culvert; chiseled square	869, 91
From Moravia east along highway to Dresserville, thence south to McLean.	
Dresserville, Kenyon's tannery lower dam, on eighth step from top of east wing; chiseled square	1, 278. 77
Dresserville, George Fritz's sawmill and gristmill, in west end of door- sill to south door of boiler house; copper bolt stamped "U. S. G. S. B. M. 1291 ft."	1 286 680
D. 24. 34. 1201 16.	1, 200. 000

Lake Como, opposite, 100 feet north of intersection of road running west, on stone at foot of southwest wing wall of small bridge; chiseled square	Feet. 1, 332. 47 1, 292. 33 1, 368. 780 1, 248. 44
opposite upper part of graveyard; copper bolt stamped "U. S. G. S. B. M. 1234 ft."	1, 231. 290
MORICHES QUADRANGLE.	
[Latitude 40° 45'-41°; longitude 72° 45'-73°.]	
Primary leveling in 1903 by George Seidel.	
From Selden along public road east via Middle Island to Riverhead.	
Middle Island post office, 0.4 mile east of, west of Artist Lake, 20 feet south of center of highway, 175 feet west of road to Woodville, in rock; bronze tablet stamped "57 Willets Pt."Manorville, 3.5 miles north of, 1.2 miles east of Horn Tavern, south of road, about 800 feet east of Henry Hallock's farmhouse, at road running south; iron post stamped "83 Willets Pt."	57. 065 83. 454
From Eastport west along Long Island R. R. to Patchogue.	
Center Moriches, pavement, west end of platform; rockSouth Haven, Presbyterian Church, northwest corner of foundation wall; bronze tablet stamped "17 Willets Pt."	29. 99 17. 654
MORRISVILLE QUADRANGLE.	
[Latitude 42° 45′-43°; longitude 75° 30′-75° 45′]	
Prmary leveling in 1898 by Clark Brown, in 1899 by W. W. Gilbert and A. W. Gill, in 1904 by G. M. Dimmick.	
From Fenner east along highway to Peterboro, thence south via Morrisville to Georgetown, thence northwest to Erieville.	
Peterboro, side of schoolhouse, 15 feet from rear corner, in stone foundation; tablet stamped "1320 Albany"	1, 321. 183
foundation; tablet stamped "1325 Albany" Morrisville station, north line of; top of rail West Eaton, front of schoolhouse, right of entrance, 1 foot from corner,	1, 225. 84
in stone foundation; tablet stamped "1395 Albany" From Georgetown station east to Earlville.	1, 395. 675
Georgetown station, 1.75 miles southeast of, 10-foot span bridge over stream, north end of east abutment, 2.5 feet below top; iron bolt Lebanon, 53 feet west of highway, 128 feet northeast of railroad, in southwest corner of wall of store dwelling; aluminum tablet	M. II .d
stamped "1358"	1, 357. 949

From Earlville north to Bouckville, thence west to Morrisville.	
Hamilton, Hamilton Bank building, in water table, 2 feet west of northeast corner, aluminum tablet stamped "1126 Albany"Hamilton, 1 mile north of, top of northwest corner of east abutment of railroad bridge over old canalBouckville, north side of stone building occupied by Coe & Brockett's store, 2 feet above ground, 1 foot west of northeast corner; aluminum tablet stamped "1149 Albany"	1, 126. 038 1, 126. 91
From Earlville northeast to Poolville.	
Poolville, in foundation wall of milk station, east end of south face; bronze tablet stamped "1098 Albany 1903 Adj"	
From Morrisville station north to Durhamville.	
Munnsville, Dexter & Davis's building used as store and post office, in south side of stone foundation, 15 feet east of southwest corner; aluminum tablet stamped "679 Albany"	
NAPLES QUADRANGLE.	
[Latitude 42° 30′-42° 45′; longitude 77° 15′-77° 30′.]	
Primary leveling in 1900 by W. E. Green.	
From Rushville south along railroad to Naples.	
Middlesex, in water table of brick schoolhouse; bronze tablet stamped "737 D"	735, 642
of railParish, in front of station; top of rail	717. 0
Naples, Presbyterian Church, in northwest corner of front, in water table; bronze tablet stamped "799 Dunkirk"	695. 8 799. 561
From Naples northwest along highway via Hunts Hollow to county corner.	
Pansy, 1 mile northwest of, 0.3 mile southwest of county corner, west side of road, on north retaining wall of approach to Wm. S.	
Washburn's barn; bronze tablet stamped "941 Dunkirk"	941. 698
From Naples east along highway to Italy, thence north along Italy Hollow road to Potter Center.	
Italy, Methodist Episcopal Church wall; bronze tablet stamped "1121 Dunkirk"	1, 121, 298
From Hunts Hollow south along highway to Atlanta, thence southeast along Erie R. R. to Cohocton.	
Atlanta, Presbyterian Church, front wall, in water table; bronze tablet stamped "1317 Dunkirk"	1, 317. 0
From Italy south to Prattsburg.	
Prattsburg, Presbyterian Church, in front wall, bronze tablet stamped "1470 Dunkirk"	1, 470. 637

NEW BERLIN QUADRANGLE,1

[Latitude 42° 30'-42° 45'; longitude 75° 15'-75° 30'.]

Precise leveling in 1901 by D. H. Baldwin.

From West Edmeston south along Unadilla Valley R. R. to New Berlin.

	West Edmeston, 1.55 miles south of, southwest corner of highway	Feet.
	bridge, on coping stone of foundation; chiseled square	1, 127. 18
	Sweets, road crossing near station; top of east rail	1, 123. 8
	South Edmeston, at road crossing; top of east rail	1, 111. 0
	South Edmeston, 0.2 mile east of railroad, northeast corner of high-	
	way bridge, on top stone of foundation; aluminum tablet stamped	
	"1110 Albany 1901" (probably destroyed, 1909)	1, 109, 984
	South Edmeston Free Church, in northeast corner of foundation	
	wall; aluminum tablet stamped "1127 N. Y."	1, 127. 299
	New Berlin, New York, Ontario & Western Ry. bridge 52, near north-	
	west end of center pier, on top of coping stone; aluminum tablet	
	stamped "1089 Albany 1901" (probably destroyed, 1909)	1,089.291
	New Berlin, top of west end of south abutment New York, Ontario	
	& Western Ry. bridge, in concrete; aluminum tablet	1,090.108
	From New Berlin southwest along New York, Ontario & Western Ry.	
	and the state of the party of the state of t	
	New Berlin, opposite New York, Ontario & Western station; top of	1 093 4
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 093. 4
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32
1	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091, 32 1, 085, 1 1, 073, 6
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1 1, 073. 6 1, 074. 0
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1 1, 073. 6 1, 074. 0
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1 1, 073. 6 1, 074. 0
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1 1, 073. 6 1, 074. 0
	New Berlin, opposite New York, Ontario & Western station; top of southeast rail	1, 091. 32 1, 085. 1 1, 073. 6 1, 074. 0 1, 057. 0

NEWBURG QUADRANGLE.

South New Berlin, 1.21 miles south of, southeast corner of railroad

bridge, on abutment; chiseled square_______1,074.24 Holmesville, in front of station, main track; top of east rail______1,067.8

[Latitude 41° 30'-41° 45'; longitude 74°-74° 15'.]

Precise leveling in 1900 by C. H. Semper.

From Campbell Hall north along Wallkill Valley R. R. to Walden, thence to East Walden and along Central New England Ry. to Lloyd.

Neeleytown, in front of station; top of rail	376. 5
Beaver Dam, in front of station; top of rail	403.7
Walden, national bank, southwest corner aluminum tablet stamped	
" 376 "	375. 136
St. Elmo, in front of station; top of rail	435. 2
Modena, in front of station; top of rail	465.8

¹ See Bull. 514, pp. 31-33, for additional elevations.

PRECISE AND PRIMARY LEVELING.	119
	Feet.
Mowbray, in front of station; top of rail	454. 2
Elting, in front of station; top of rail	421. 0
Clintondale, in front of station; top of rail	386. 3
Lloyd, street railroad in front of station; top of rail	353. 6
Lloyd, Centerville Hotel, southeast corner, bronze tablet stamped	
"359" (destroyed)	358, 177
Primary leveling in 1900 by G. Bailey.	
From Newburg west via Coldenham to Montgomery, thence north to New Hurley station.	I Declara I
Newburg, southwest corner of post-office building, to right of entrance; aluminum tablet stamped "95"	94. 404
Coldenham, 0.2 mile west of, at entrance to A. B. Lindsay's place,	1.1 101
large stone gatepost; aluminum tablet stamped "Albany 434"	433. 619
Berea, crossing of Philadelphia & Reading R. R.; top of west rail of	
main track	410.3
Walden, southeast corner of National Bank of Walden; aluminum tablet stamped "Albany 376"	375, 136
Walden, in front of Wallkill Valley R. R. station; top of west rail,	010, 100
main track	353. 2
Borden condensed-milk factory, on west end of culvert over stream	000,-
flowing into pond; stone on southeast corner of coping; chisel	
mark	292. 52
Wallkill, 400 feet south of station, at highway crossing; top of rail	279.1
Wallkill, foundation of water tank; point cut on stone	279. 13
From New Hurley post office southeast via Plattekill and Balmville to Newburg.	
Plattekill, 0.2 mile east of, north end of bridge over stream flowing	
south, on top stone of retaining wall; chisel mark	554. 15
Balmville, on stone foundation of fence surrounding big tree; chis-	
eled point	194.60
From New Hurley station north via Gardiner to Newpaltz, thence east to High- lands.	Hudan
Gardiner station, 150 feet south of, in east wall of culvert; bronze	
tablet stamped "Albany 309"	308.097
Forest Glen station, 0.2 mile south of, south end of trestle, east side of track, on wall; chisel mark	297. 73
Newpaltz, Newpaltz Savings Bank, southwest corner; bronze tablet	201.10
stamped "Albany 237"	236, 022
From Lloyd southwest to Clintondale.	ST veteroi
Clintondale, Ambrose's store, southwest corner; bronze tablet stamped	
"Albany 553"	552.740
NEWCOMB QUADRANGLE.	
[Latitude 43° 45'-44°; longitude 74°-74° 15'.]	
Primary leveling in 1896 by A. F. Krause.	
Aiden Lair lodge, 50 feet southeast of, in boulder; copper bolt stamped "U. S. G. S. 1659 Ft. B. M."1	, 655, 022

From North River northwest via Summit to Indian Lake. Indian Lake, 4 miles east of, southeast of Spring's white house, in front of log house 10 feet to left of road; copper bolt stamped "U. S. G. S. B. M. 1834 Ft."_______ 1,830.049 From Aiden Lair north to Tahawus, thence west to Newcomb. Tahawus, 2 miles south of, 0.6 mile northwest of Daniel Havron's house, in large boulder 12 feet to left of road; copper bolt stamped "U. S. G. S. 1737 Ft. B. M."______ 1, 732. 862 Hudson River bridge, on top of coping at downstream end of west abutment; chiseled mark______1, 563. 41 Newcomb Methodist Church, 85 feet northeast of door, 16 feet to left and 1.3 feet above center of road; copper bolt stamped "U. S. G. S. 1640 Ft. B. M."______ 1, 637, 051 From Newcomb west to Hamilton-Essex county line. Rich Lake, south side of, 460 feet back from Abner Beldin's house, on large boulder, 14 feet to right of and 3.8 feet above center of road; copper bolt stamped "U. S. G. S. 1603 Ft. B. M."_____ 1, 599. 473 From bridge east of Indian Lake village northeast down Indian River to mouth. Indian River bridge, west abutment, near front angle of coping on upstream end; chiseled square______1, 597. 78 Hudson River, southwest bank, junction with north bank of Indian River: circular chisel mark and letter "S" on large boulder____ 1,424.32 From mouth of Indian River northeast via North Woods Club and Moose Pond Club to Aiden Lair. Hudson River, junction of southwest bank with northwest bank of Indian River, in recess at upper southwest corner of boulder; copper bolt stamped "U. S. G. S. 1428 Ft. B. M."______ 1,423.897 North Woods Club house, boulder 200 feet northeast of; copper bolt stamped "U. S. G. S. 1769 Ft. B. M."______ 1, 764, 825 Moose Pond Club house, 100 feet northwest of; in large boulder near shore; copper bolt stamped "U. S. G. S. 2095 Ft. B. M."_____ 2,091.399 From mouth of Indian River northwest to Chain Lakes.

Cedar River, south bank of, 2 miles west of Hudson River, 20 feet southwest of ferry on road to Chain Lakes, in outcrop; copper bolt

Chain Lakes, 50 feet south of Third Lake, 12 feet above water surface in outcrop, 1,100 feet northwest of hotel; copper bolt stamped

stamped "U. S. G. S. 1549 Ft. B. M."_______ 1, 544, 603

NEW YORK CITY 1 AND VICINITY.

[Latitude 40° 22′ 30″-41°; longitude 73° 40′-74° 15′.]

Includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead,
Oyster Bay, and Sandy Hook quadrangles.

The following list gives corrections to apply in order to reduce to mean sea level the elevations of bench marks which have been	
used by the various city bureaus and referred to different datums:	
United States Geological Survey, Coast and Geodetic Survey since	Feet.
1898, and Board of Water Supply (mean sea level)	0.00
Croton Aqueduct, at Jerome and McLean avenues	 786
Dock Department, mean low water at the Battery	-2.103
Coast and Geodetic Survey previous to 1898	+.11
United States Navy Yard datum, Brooklyn sewers, water supply,	
bridge department	+1.68
Public works, Manhattan highways and sewers	+2.750
Bronx highways and sewers	+2.608
Queens Borough and Long Island City datum	+2.725
Brooklyn highway bureau	+2.547
Richmond Borough (high water)	+3.192

NICHOLVILLE QUADRANGLE.

[Latitude 44° 30'-44° 45'; longitude 74° 30'-74° 45'.]

Precise leveling in 1900 by C. H. Semper.

From St. Regis Falls along New York & Ottawa R. R. to Dickinson Center.

St. Regis Falls, 1,000 feet south of station, in large rock 20 feet	
west of railroad and 300 feet north of railroad water tank; alumi-	AT Take
num tablet stamped "1256 Albany 1900"	1, 256. 497
Dickinson Center, in front of station; top of rail	954. 5
Dickinson Center, 3.6 miles north of, in large rock on east side of	
railroad at culvert No. 18, 25 feet east of rail, 5 feet north of	
track; aluminum tablet stamped "603 Albany 1900"	602. 642

NINEVEH QUADRANGLE.

[Latitude 42°-42° 15'; longitude 75° 30'-75° 45'.]

Precise leveling in 1898 by E. L. McNair.

From tunnel east along Delaware & Hudson R. R. to Afton.

Tunnel, 0.5 mile west of station, at southeast corner of bridge 104,	
crossing over road, in coping stone of abutment; bronze tablet	
stamped "1384 A"	1, 384. 002
Tunnel, in front of station; top of north rail	
Harpersville station, 1,250 feet west of, southwest corner of iron-	
trestle bridge 97, in coping stone of abutment; bronze tablet	
stamped "1051 A"	

¹ For descriptions and elevations of bench marks in New York City see "Precise leveling in New York City, 1909-1914," by Frederick W. Koop, assistant engineer, Board of Estimate and Apportionment, published by the city of New York.

	-
Hamagaille in front of stations ton of north wil	Feet.
Harpersville, in front of station; top of north railNineveh, in front of station; top of north rail	
Afton, in front of station; top of north rail	982. 0
Afton, 1,050 feet northeast of, northeast corner of iron-girder bridge	002.0
904, crossing over highway, in coping stone of abutment; bronze	
tablet stamped "973 A"	972. 782
ment even debet where therein and the contrates out from its	to present to
Precise leveling in 1900 by C. H. Semper.	
From Gulf Summit along Erie R. R. to Oquaga.	
Gulf Summit, at railroad crossing near station, northbound track;	1 000 =
top of railOquaga, at railroad crossing by station, northbound track; top of rail_	
Primary leveling in 1902 by J. B. Maguire.	
From Harpersville south along the Delaware & Hudson R. R. to Lanesboro, Pa.	
Centerville, in front of station; top of rail	966. 5
East Windsor, in front of station; top of rail	988. 2
Windsor, in south wall at southeast of foundation of Presbyterian	Elemikiya 1
Church; bronze tablet stamped "972 Albany"	972, 917
Stateline, 1 mile north of post office, east side of river road, east side	
of river, at school 14, Windsor Township, in northwest corner of	
foundation of W. W. Watrous's house; bronze tablet stamped	
"960 Albany"	961. 147
NORTH CREEK QUADRANGLE.	
[Latitude 43° 30'-43° 45'; longitude 73° 45'-74°.]	
Precise leveling in 1899 by E. L. McNair.	
From The Glen north along Delaware & Hudson R. R. to North Creek.	
"The Glen," Delaware & Hudson R. R. station, 530 feet north of, at	
southwest corner of a steel-girder bridge 14, 5 feet west of girder,	
in coping stone of bridge seat; aluminum tablet stamped "749	
Albany 1899"	749. 510
Riverside, 400 feet north of station, on southeast corner of west	
headwall of culvert under Delaware & Hudson tracks; aluminum	000 40
tablet stamped "883 Albany 1899"North Creek station, 0.4 mile southeast of, bridge seat at southeast	882. 49
corner of steel-girder bridge 18, 4.4 feet below east rail; aluminum	
tablet stamped "1001 Albany 1899"	1, 001, 491
North Creek station, 1,000 feet north of, in quarry outcrop on south-	org.
west side of track, 2 feet above track and 6 feet from southwest	ah milita
rail; bronze tablet stamped "1012" (set in 1896)	1, 008. 048
NORTHEAST QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 79° 45'-80°.]	
Primary leveling in 1902 by G. M. Dimmick.	
Near Stateline village.	
Stateline (village), 2.2 miles south of, 1,000 feet south of three corners,	
in east end of north abutment of small bridge; bronze tablet	1 000 040
stamped "1293 Dunkirk 1902"	1, 293. 049

NORTHPORT QUADRANGLE.

[Latitude 40° 45'-41°; longitude 73° 15'-73° 30'.]

Primary leveling in 1901 by C. H. Semper.

Timary levening in 1301 by C. II. Semper.	
From Jericho northeast along highway and railroad to East Northport.	200
SUMPA OTABRANCES	Feet.
Syosset, road crossing at station; top of rail	205. 9
Syosset, 1.9 miles east of, overhead railroad bridge, south end of	
east abutment; top of bridge seat, chiseled square	161. 38
Cold Spring, at road crossing at station; top of rail	129.8
Huntington, northwest corner of Central Presbyterian Church on	
Main Street, front face; bronze tablet stamped "52 Willetts Pt.	
1901"	52, 193
	Maria California
From East Northport south along highway via Commack to Brentwood, thence west along railroad to Deerpark.	
East Northport, 0.2 mile south of station, south corner of schoolhouse,	
front face; bronze tablet stamped "229 Willets Pt. 1901" (asked	
to remove to new building Sept. 15, 1908, Larkfield)	229, 433
Commack, near post office, northeast angle of crossroads; large flat	220. 400
	101 57
rock	131, 57
Brentwood, 200 feet west of station, road crossing; top of rail	86. 0
Brentwood, southeast corner of Presbyterian Church, 500 feet south of	
station, front face; bronze tablet stamped "87 Willetts Pt. 1901"_	87. 401
Edgewood, 100 feet south of station, at road crossing; top of rail	77.5
Deerpark, 800 feet south of road crossing, in front face of south	
corner of church; bronze tablet stamped "72 Willetts Pt. 1901"_	72.071
From East Northport east along the Long Island R. R. to Kings Park.	Themson
The state of the s	
East Northport, 2 miles east of, Bread and Cheese Hollow bridge	145.0
across ravine, west end; top of rail	147.9
Kings Park, road crossing; top of high rail	171.8
NORWICH QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 75° 30'-75° 45'.]	
From Norwich north along the Delaware, Lackawanna & Western R. R. to Earlville.	
Norwich, at Main Street crossing of the Delaware, Lackawanna &	
Western R. R.; top of rail	1 006 7
Norwich, southeast corner of county courthouse, on Broad Street, in	1,000.
foundation wall; aluminum tablet stamped "1015 Albany 1900"	1 015 010
Galena, North Norwich, at railroad crossing near station; top of rail_	1, 030. 8
Galena (North Norwich post office), culvert of the New York, On-	
tario & Western Ry., east side of top of north abutment; bronze	1, 023. 181
Earlville, in brickwork of schoolhouse, 1 foot to right of front door;	
tablet stamped "1100 Albany"	1, 100, 295
From Norwich northwest via Plymouth and Otselic to Georgetown station.	Takan
The state of the s	
Beaver Meadow, in north face of Methodist Church; bronze tablet	
stamped "1484 Albany 1900"	1, 483. 869
Otselic, 500 feet east of hotel, west side of iron highway bridge, on	
top of south abutment; aluminum tablet stamped "1331 Albany	
1900 "	1, 331, 035
	COLUMN TWO IS NOT THE OWNER.

121 511111 1111111111111111111111111111	•
From South Plymouth along highways west to North Pharsalia, thence south to East Pharsalia (single-spur line).	
East Pharsalia, southeast corner of wall to chapel, 1,000 feet south of hotel; bronze tablet stamped "1557 Albany 1900"	
NUNDA QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 77° 45'-78°.]	
Precise leveling in 1902 by D. H. Baldwin.	
From Mount Morris south along railroads to Nunda.	
Mount Morris, 2,200 feet east of Delaware, Lackawanna & Western	
station, at northwest corner of railroad bridge, on coping stone;	
aluminum tablet stamped "575 Rochester 1901"	
Mount Morris, 0.52 mile north of Erie R. R. station, grade crossing of	
Delaware, Lackawanna & Western; top of rail	574. 2
Mount Morris, in front of Erie station; top of west rail	597. 4
Mount Morris, 0.48 mile south of Erie R. R. station, southeast corner of Pennsylvania R. R. bridge, near northeast corner of parapet	
wall; chiseled square	603. 72
Sonyea, 0.3 mile north of, southwest corner of girder bridge over	000.12
highway, top of parapet wall; chiseled square	611. 56
Sonyea, in front of station; top of east rail	623. 5
Sonyea, 0.54 mile south of, center of bridge 12 over Keshaqua Creek;	
top of east rail	630. 6
Sonyea, 2.38 miles south of, southeast corner of bridge 13, near north-	E05 F0
east corner of parapet wall; chiseled square	707. 58
Tuscarora, 0.61 mile north of, southeast corner of bridge 15, northeast corner of parapet wall; chiseled square	748, 82
Tuscarora, in front of station; top of east rail	767. 1
Tuscarora, 1,100 feet south of, southeast corner of bridge, top of	101.1
parapet wall; bronze tablet marked "773 Rochester 1902"	773. 302
Nunda Junction, in front of station; top of east rail, Swains branch_	868.7
Nunda, in front of station; top of west rail	941.0
Nunda, Fireman's Hall, front face, 1 foot from northwest corner, in	
water table; aluminum tablet stamped "944 Rochester 1902"	944. 345
Along Pittsburg, Shawmut & Northern R. R.	
Nunda, 4.27 miles southeast of, 60 feet south of crossing, west side of	
track, on coping stone of box drain; chiseled square	1, 253. 96
Ross crossing, 1.40 miles northwest of, small wooden bridge near farm	
crossing; top of east rail	1, 290. 5
Along Erie R. R.	
Ross crossing, 200 feet southeast of, between tracks, north side of	
open culvert, on coping stone; chiseled square	1, 317, 95
Primary leveling in 1902 by George Bailey and in 1903 by George Scidel.	2010
college properties at all the distributions of the security of the security of	
From Groveland along the Delaware, Lackawanna & Western R. R. to Mount Morris.	
Groveland, first crossing east of station, north side of Delaware,	

Lackawanna & Western R. R., in concrete monument inside of fence east of crossing (reset by Delaware, Lackawanna & Western R. R.); bronze tablet stamped "601 Rochester"______

606. 287

	Feet.
Groveland, in front of station; top of rail	588.9
Mount Morris, grade crossing of the Erie and Delaware, Lackawanna & Western railroads; top of rail	574. 2
Mount Morris, 1 mile north of, Delaware, Lackawanna & Western junction, grade crossing of Western New York & Pennsylvania Ry.;	
top of north rail	587.6
From Mount Morris west along public road to Gibsonville (single-spur line).	Phonone
Mount Morris, Scoville House, in doorsill at north side of front entrance; bronze tablet stamped "627 Rochester"Gibsonville, at road forks near old store, in boulder sunk in ground;	627. 144
bronze tablet stamped "726 Rochester"	726, 182
From Canaseraga north along public road to Ossian (single-spur line).	
Ossian, east corner of foundation wall of Dr. T. H. Lamont's residence; aluminum tablet stamped "1345 Albany 1903"	
OAK ORCHARD QUADRANGLE.	
[Latitude 43° 15'-43° 30'; longitude 78°-78° 15'.]	
Primary leveling in 1896 by E. L. McNair.	
On circuits tied to canal bench marks.	
Fairhaven, 1,200 feet south of, on east side of road to Albion, in top of stone masonry wall in front of Mrs. Dixon's house; copper bolt	
stamped "439"East Gaines, 1 mile east by 1 mile south of W. H. Banker's house, on	438. 206
west side of Transit road, 600 feet north of Murray and Gaines	
Baptist Church, in dooryard 12 feet south of dwelling, in stone	
3 feet square and 1.5 feet high; copper bolt stamped "458" Murray, 610 feet north of road crossing on west side of road, 81	457. 114
feet southwest of stone schoolhouse, in boulder 3 feet wide and 2	
feet high; copper bolt stamped "410"	409. 458
OGDENSBURG QUADRANGLE,1	
[Latitude 44° 30'-44° 45'; longitude 75° 15'-75° 30'.]	
Primary leveling by G. M. Dimmick in 1904.	
From Ogdensburg southeast along highway to Heuvelton, thence northeast to Lisbon, thence northwest to Red Mills.	
Ogdensburg, in west pier at mouth of Oswegatchie River, in United	
States lighthouse; 4-inch bolt (Deep Waterways P. B. M. D.) Ogdensburg, 3.8 miles south of, 50 feet east of track, 100 feet west	251, 022
of road, 23 feet south of private road, in rock; bronze tablet stamped "309 Albany 1903 Adj"	_ 309. 132
Heuvelton, in foundation wall of Presbyterian Church, east end of south face; bronze tablet stamped "315 Albany 1903 Adj"	315. 188
Flockville, in foundation wall of Presbyterian parsonage, west end of north face; bronze tablet stamped "364 Albany 1903 Adj"	364. 086
Lisbon, in foundation wall of Presbyterian Church, center of south	001,000
face; bronze tablet stamped "357 Albany 1903 Adj"	357. 696

¹ See Bull. 514, pp. 22-23, 61, for other elevations.

120 Fill Division 11 11 11 10 100, 1012 1010.	
From Heuvelton south along highway 9 miles, thence east 6 miles to De Kalb.	
De Peyster, in foundation wall of Union Church, south end, east face; bronze tablet stamped "374 Albany 1903 Adj" De Peyster, 3.56 miles south of, 101 feet northwest of corner of Thos. Towander's residence, 7 feet west of highway; tablet stamped "332 Albany 1903 Adj" De Kalb, 0.9 mile northwest of, 600 feet southeast of residence of Horace Streeter, 50 feet north of center of highway; tablet in ledge,	Feet. 374. 479
stamped "414 Albany 1903 Adj"	413. 641
From De Kalb north along railroad to Rensselaer Falls, thence northwest to Heuvelton.	
De Kalb, 4.17 miles north of, 300 feet northwest of highway crossing of the Rome, Watertown & Ogdensburg division of New York Central & Hudson River R. R., 150 feet northeast of residence of Van Hunters, 100 feet north of center of track, in solid rock; aluminum tablet stamped "393 Albany 1903 Adj"	393. 221 327. 544 461. 976
OLCOTT QUADRANGLE,1	
[Latitude 43° 15'-43° 30'; longitude 78° 30'-78° 45'.]	
Primary leveling in 1896 by E. L. McNair.	
From Lockport north 6.5 miles, thence east to Hartland, thence south to Gasport.	
Ridgeroad, 1.5 miles northwest of, on road running east and west, 3 miles north of Wrights Corners, district 16, 30 feet southeast of schoolhouse, on granite boulder; copper bolt stamped "363 ft." Hartland, 0.75 mile north of, in front of W. T. Curtiss's house on west side of road, in line of ditch, in granite boulder nearly embedded in ground; copper bolt stamped "376 ft."	362. 466 375. 21
OLD FORGE QUADRANGLE.	
[Latitude 43° 30'-43° 45'; longitude 74° 45'-75°.]	
Primary leveling in 1897 by Clark Brown and in 1898 by C. H. Semper.	
From Fulton Chain northeast along road via Old Forge and north side of Fulton Chain Lakes to Eagle Bay.	
Fulton Chain, 5 feet north of Wakeley's Hotel, 8 feet east of railroad track, in boulder; bronze tablet stamped "R 1712"1, Old Forge, 0.25 mile west of railroad station, at picnic ground, in boulder 7 by 12 by 15 feet, north of railroad track; bronze tablet stamped "R 1722"	
stamped "R 1783"1, Third Lake Fulton Chain at Bald Mountain House 40 feet east of	732. 515

dock, 8 feet from north shore of lake; iron post stamped "R 1712"_ 1,712.164

Third Lake, Fulton Chain, at Bald Mountain House, 40 feet east of

From Sixth Lake southeast to Fawn Lake.

Bisby lodge, on west shore of Bisby First Lake, about 400 feet north from lodge, 10 feet from bank, in shallow water, in 5 by 10 foot boulder; bronze tablet stamped "2035 R"	Sixth Lake, Fulton Chain, 125 feet east of north end of dam, in boulder 4 by 10 feet, 4 feet from edge of dock; bronze tablet stamped "R 1788"	Feet. 1, 787, 422 2, 134, 07
from lodge, 10 feet from bank, in shallow water, in 5 by 10 foot boulder; bronze tablet stamped "2035 R"		
North Lake (Atwell post office), 100 feet east of State House, in rock; aluminum tablet stamped "1829 R"	from lodge, 10 feet from bank, in shallow water, in 5 by 10 foot boulder; bronze tablet stamped "2035 R"	2, 034. 375
aluminum tablet stamped "1829 R"	From North Lake east to Honnedaga Lake.	
Honnedaga, 1.3 miles east of, at Herkimer-Hamilton county line, north side of trail, in large boulder (transit station No. 21 of county-line survey); bolt	aluminum tablet stamped "1829 R"	2, 221, 110 2, 222, 668
north side of trail, in large boulder (transit station No. 21 of county-line survey); bolt	From Honnedaga northeast to county line.	
[Latitude 42°-42° 15'; longitude 78° 15'-78° 30'.] Precise leveling in 1898 by E. L. McNair. From Allegany northeast along Eric R. R. to Cuba. Allegany, in front of Eric station; top of rail	north side of trail, in large boulder (transit station No. 21 of	2, 149, 390
Precise leveling in 1898 by E. L. McNair. From Allegany northeast along Eric R. R. to Cuba. Allegany, in front of Eric station; top of rail	OLEAN QUADRANGLE.	
Allegany, in front of Erie station; top of rail	[Latitude 42°-42° 15'; longitude 78° 15'-78° 30'.]	
Allegany, in front of Erie station; top of rail1, 415.8 Olean, in front of Erie station; top of rail1, 430.4 Olean, city hall and post-office building on State Street, northwest corner of, stone next under water table; bronze tablet stamped "1450 D"1, 451.790	Precise leveling in 1898 by E. L. McNair.	
Olean, in front of Erie station; top of rail1, 430.4 Olean, city hall and post-office building on State Street, northwest corner of, stone next under water table; bronze tablet stamped "1450 D"1, 451.790	From Allegany northeast along Erie R. R. to Cuba.	
	Olean, in front of Erie station; top of rail————————————————————————————————————	1, 430. 4

120 SPIRIT LEVELING IN NEW YORK, 1896-1905, 1912-19.	16.
Hinsdale, 2.25 miles east of, bridge seat of small girder bridge, 9. feet northwest of center of track; bronze tablet stamped "1508 D" Cuba, in front of Erie station; top of railCuba, 0.5 mile east of Erie station, at south end of pier of stone arc bridge over Union Street; aluminum tablet stamped "151 Albany" (this is a new tablet set in 1903 in old hole)	_ 1, 509. 288 _ 1, 534. 9 h
Primary leveling in 1896 by E. L. McNair.	
From Olean southeast to Portville, thence northeast to Clarksville.	
Olean, in front of Western New York & Pennsylvania Ry. station top of rail	
Westons Mills, Haskell Creek highway bridge, near southeast corner of east abutment; top of coping stone	
Allegheny River highway bridge; west end of north abutment Portville, in front of Western New York & Pennsylvania Ry. station	1, 433. 05
top of rail	1, 436. 4
Portville, Presbyterian Church, in upper stone step at entrance; copper bolt stamped "U. S. G. S. B. M. 1438 Ft."	
Obi, 1 mile southwest of, Seventh Day Baptist Church, 85 feet from church doors, 10 feet from center of road, 3 feet from fence, on land belonging to Mrs. E. B. Adams, in large flat rock, on west side or road; copper bolt stamped "U. S. G. S. B. M. 1547 ft."	l manufacture de la constante
	COUNTY OF
From Olean north via Hinsdale toward Ischua.	
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft." Scott, 2.1 miles north of, west side of Hinsdale-Ischua road, in base of stone wall, under south side of barn of Harris Johnson, in large flat stone; copper bolt stamped "U. S. G. S. B. M. 1544 Ft."	1, 442. 079
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft."	1, 442. 079
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft."	1, 442. 079
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft." Scott, 2.1 miles north of, west side of Hinsdale-Ischua road, in base of stone wall, under south side of barn of Harris Johnson, in large flat stone; copper bolt stamped "U. S. G. S. B. M. 1544 Ft." ONEONTA QUADRANGLE. [Latitude 42° 15′-42° 30′; longitude 75°-75° 15′.] Precise leveling in 1898 by E. L. McNair.	1, 442. 079
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft."	1, 442. 079
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft."	1, 442. 079 1, 536. 378 1, 046. 657
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft." Scott, 2.1 miles north of, west side of Hinsdale-Ischua road, in base of stone wall, under south side of barn of Harris Johnson, in large flat stone; copper bolt stamped "U. S. G. S. B. M. 1544 Ft." ONEONTA QUADRANGLE. [Latitude 42° 15′-42° 30′; longitude 75°-75° 15′.] Precise leveling in 1898 by E. L. McNair. From Wells Bridge northeast along Delaware & Hudson R. R. to Oneonta. Wells Bridge, 300 feet west of station, northeast corner of highway bridge across Susquehanna River, in coping stone of abutment; bronze tablet stamped "1047 A" Wells Bridge, in front of Delaware & Hudson station; top of south rail	1, 046. 657 1, 049. 5
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft." Scott, 2.1 miles north of, west side of Hinsdale-Ischua road, in base of stone wall, under south side of barn of Harris Johnson, in large flat stone; copper bolt stamped "U. S. G. S. B. M. 1544 Ft." ONEONTA QUADRANGLE. [Latitude 42° 15′-42° 30′; longitude 75°-75° 15′.] Precise leveling in 1898 by E. L. McNair. From Wells Bridge northeast along Delaware & Hudson R. R. to Oneonta. Wells Bridge, 300 feet west of station, northeast corner of highway bridge across Susquehanna River, in coping stone of abutment; bronze tablet stamped "1047 A" Wells Bridge, in front of Delaware & Hudson station; top of south rail Otego, in front of Delaware & Hudson station; top of rail————————————————————————————————————	1, 046. 657 1, 049. 5 1, 063. 9
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft."	1, 046. 657 1, 049. 5 1, 050. 145
Hinsdale, 1.5 miles south of Olean Creek bridge, Faye Hollow highway, in capstone of bridge foundation; copper bolt stamped "U. S. G. S. B. M. 1449 ft." Scott, 2.1 miles north of, west side of Hinsdale-Ischua road, in base of stone wall, under south side of barn of Harris Johnson, in large flat stone; copper bolt stamped "U. S. G. S. B. M. 1544 Ft." ONEONTA QUADRANGLE. [Latitude 42° 15′-42° 30′; longitude 75°-75° 15′.] Precise leveling in 1898 by E. L. McNair. From Wells Bridge northeast along Delaware & Hudson R. R. to Oneonta. Wells Bridge, 300 feet west of station, northeast corner of highway bridge across Susquehanna River, in coping stone of abutment; bronze tablet stamped "1047 A" Wells Bridge, in front of Delaware & Hudson station; top of south rail Otego, in front of Delaware & Hudson station; top of rail————————————————————————————————————	1, 046. 657 1, 049. 5 1, 063. 9 1, 050. 145 1, 231. 912

Precise leveling in 1901 by D. H. Baldwin.

and the second of the second o	
From Franklin station southeast along New York, Ontario & Western R. R. to Northfield.	
budgage first vietam word to door at long to add dues	Feet.
Franklin station, crossing; top of north rail	1, 582. 2
Merrickville, at crossing; top of north rail	1, 700. 0
Northfield, 0.37 mile northwest of, 30 feet south of south end of Zig-	
zag tunnel, vertical face of rock on west side of track about 6 feet	
above rail; aluminum tablet stamped "1766 Albany 1901" (not	
found 1915)	1,766.900
Northfield, 0.37 mile northwest of, at railroad summit, north end of	
oil house; top of east rail	1, 765. 1
Northfield, in front of station; top of northeast rail	1, 757. 2
Leveling in 1914 by F. L. Shalibo.	
From Wells Bridge along highway north to point near Maple Grove, thence east to Oneonta.	
Steme-Normal School- in the of west tables at main en-	Ameonia.
Wells Bridge, 300 feet west of station, northeast corner of highway	
bridge across Susquehanna River, in coping stone of abutment;	
bronze tablet stamped "1047"	1, 046. 657
Hughston Corners, 1 mile east of, 0.7 mile west of Briar Creek road,	
on north side of road, on stone in fence; chiseled square marked	
"U. S. G. S. T. B. M. 1723"	1, 723. 27
Hughston Corners, 1.7 miles east of, over hill road to three corners	
at Briar Creek road; chiseled square marked "U. S. T. B. M.	etmony)
1520 "	1, 520. 12
Hughston Corners, 2.8 miles northeast of, on Briar Creek road at	
three corners in front of A. J. Lent's residence, on east side of road,	· sireness
in stone; chiseled square marked "U. S. T. B. M. 1601"	1,600.59
Hughston Corners, 3 miles north of, in foundation of schoolhouse, dis-	Lowsend
trict 6; bronze tablet stamped "1618"	1, 617. 646
Hughston Corners, 3.7 miles northeast of, junction of Briar Creek	
and Flax Island roads, on east side of road, in stone; chiseled	
square marked "U. S. T. B. M. 1857"	1, 857. 26
Hughston Corners, 4.6 miles northeast of, 200 feet south of three cor-	
ners near S. A. Strait's residence, on east side of road, in root of	
tree; copper nail marked "U. S. T. B. M. 1510"	1, 509. 89
Cooks Corners, 6 miles west of, at bend of road on top of hill, in front	
of Charles (!ardner's residence on west side of road, in stone; chis-	
eled square marked "U. S. G. S. T. B. M. 1825"	1, 823. 04
Cooks Corners, in front of B. A. Cook's residence, in stone step;	
chiseled square marked "U. S. G. S. T. B. M. 1609"	1, 609. 12
Cooks Corners, 1.1 miles east of, at northeast corner of schoolhouse,	
district 16, in stone; bronze tablet stamped "U.S. G.S. P.B.M.	
	1, 720. 112
Cooks Corners, 2.5 miles east of, at three corners on north side of	ford on the
road, opposite Charles Holbrook's residence, in stone; chiseled	
square marked "U. S. T. B. M. 1536"	1, 535. 62
Otsdawa, at northeast corner of four corners, in stone of stone wall;	
chiseled square marked "U. S. T. B. M. 1409"	1, 409. 16
Otsdawa, 9 miles east of, at three corners, road running south, 150	
feet east of corners, on south side of road, in rock; bronze tablet	
stamped "1690"	1, 689. 771
104787°—Bull. 671—18——9	

Otsdawa, 1.9 miles east of, in front of schoolhouse, district 14, on iron sluiceway; chiseled cross marked "U. S. G. S. T. B. M. 1480"Otsdawa, 2.9 miles east of, 9 miles west of West Oneonta, at bend of road, on south side of road, in root of tree; copper nail marked "W. G. G. S. M. P. M. 1914".	1, 480. 16
" U. S. G. S. T. B. M. 1314 "	1, 313. 40
West Oneonta, at four corners, in cement step leading to town clerk's office, under E. H. Culver's store; bronze tablet stamped "U. S.	
P. B. M. 1144 "	
West Oneonta, 1.1 miles south of, 300 feet south of bridge over Otego Creek, in cement culvert on east side of road; chiseled square marked "U. S. T. B. M. 1065"	
West Oneonta, 2.1 miles southeast of, at four corners, in front of	
Junction Hotel, on nut on southeast corner of switch stand marked	
"U. S. T. B. M. 1118"	1, 116. 41
Oneonta, at junction of Chestnut Street and Fonda Avenue; nut on top of water hydrant, marked "U. S. T. B. M. 1108"	1 106 33
Oneonta, State Normal School, in face of west pillar, at main en-	1, 100, 00
Oneonta, State Normal School, in face of west pinar, at main en-	1 001 010
trance; aluminum tablet stamped "1232 A"	
Leveling in 1915 by K. E. Schlachter.	
From Oneonta south along highway to point 5 miles northwest of Fraser.	
Operate State Normal School in face of west piller at main on	
Oneonta, State Normal School, in face of west pillar at main entrance; aluminum tablet stamped "1232"	1, 231, 912
Oneonta, on concrete curb at southeast end of highway bridge over Delaware & Hudson R. R. tracks; chiseled circle painted "t. b. m.	
	1 100 55
1,106.8 "	1, 106. 75
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375	1, 106. 75
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge;	
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge;	
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"	
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's	
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted	1, 850. 265
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"	1, 850. 265
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Oule-	1, 850. 265 1, 565. 31
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Ouleout Creek; bronze tablet stamped "N. Y. 1334"	1, 850. 265 1, 565. 31
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Ouleout Creek; bronze tablet stamped "N. Y. 1334"North Franklin, 1 mile south of, on ledge in east margin of road;	1, 850. 265 1, 565. 31 1, 334. 487
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Ouleout Creek; bronze tablet stamped "N. Y. 1334"North Franklin, 1 mile south of, on ledge in east margin of road; chiseled square painted "t. b. m. 1,740.8"	1, 850. 265 1, 565. 31 1, 334. 487
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Ouleout Creek; bronze tablet stamped "N. Y. 1334"North Franklin, 1 mile south of, on ledge in east margin of road;	1, 850. 265 1, 565. 31 1, 334. 487
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"Oneonta, 5 miles south of, 1,200 feet south of Mrs. E. Blanchard's farm, on boulder, west margin of road; chiseled square painted "t. b. m. 1,565.3"North Franklin, in southwest concrete abutment of bridge over Ouleout Creek; bronze tablet stamped "N. Y. 1334"North Franklin, 1 mile south of, on ledge in east margin of road; chiseled square painted "t. b. m. 1,740.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90
1,106.8"Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85 1, 769. 53
Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85 1, 769. 53
Oneonta, 3.5 miles south of, along turnpike to North Franklin, 375 feet south of road fork, at divide, east margin of road, in ledge; bronze tablet stamped "N. Y. 1850"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85 1, 769. 53
1,106.8"	1, 850. 265 1, 565. 31 1, 334. 487 1, 740. 90 1, 871. 42 1, 495. 85 1, 769. 53 2, 047. 68

ORISKANY QUADRANGLE.1

[Latitude 43°-43° 15'; longitude 75° 15'-75° 30'.]

Precise leveling in 1901 by D. H. Baldwin.

recise leveling in 1991 by D. M. Dandwin.	
From Utica south along Delaware, Lackawana & Western R. R. to Sauquoit.	inhierthA.
Utica, Pleasant Avenue, Delaware, Lackawanna & Western R. R. crossing; top of east rail	477. 8 537. 7 616. 6 658. 1
Primary leveling in 1994 by G. M. Dimmick.	
From Paris station north to Paris, thence east to Sauquoit.	
Paris, in foundation wall of Episcopal Church, south end of west face; bronze tablet stamped "1497 Adj 1903"	1, 497. 371
ORWELL QUADRANGLE.	O different
[Latitude 43° 30'-43° 45'; longitude 75° 45'-76°.]	
Primary leveling in 1902 by J. B. Maguire.	
From Greenboro east along road to Hooker.	
Oswego-Lewis county line, 0.25 mile north of, in large boulder on northwest side of road; aluminum tablet stamped "1696 Albany"_	1, 695. 582
From Greenboro west along road to Smartville, thence south to Altmar.	
Greenboro, on State road at post office, in face of east wall of culvert; bronze tablet stamped "1269 Albany"	1, 268, 538
Orwell, northwest corner of crossroads, northeast corner of founda- tion of public fountains; bronze tablet stamped "810 Albany"	809. 587
From Clemens Corners west to Redfield, thence north to Greenboro.	
Redfield, in north foundation of Methodist Church; aluminum tablet stamped "952 Albany"	951, 005
From Greenboro north via highway to school 7, Lorraine Township (single-spur line).	
East Boylston, 1.1 miles north of, school 7, Lorraine Township, Jefferson County, west side of Greenboro-Lorraine road, in large boulder; aluminum tablet stamped "1262 Albany"	1, 261. 160
From 3 miles northeast of Altmar, southeast to Ricard.	
Ricard, 0.5 mile north of post office, 0.1 mile south of Orwell-Williamston township line, in front face of foundation of Armstrong's house on west side of road; bronze tablet stamped "759 Albany"	758. 729

¹ See Bull. 514, pp. 76-78, for other elevations.

OSWEGATCHIE QUADRANGLE.

[Latitude 44°-44° 15'; longitude 75°-75° 15'.]

Leveling by A. P. Meade, jr., in 1914.

From Bacon east along New York Central & Hudson River R. R. (Carthage & Adirondack branch) to Benson mines, thence south along highways to Leon Kelley's 1911 camp.

Bacon, 2 miles east of, south of railroad, in west end of cliff, or	
big rock; chiseled square marked "1001.4"	
Bacon, 2.7 miles east of, at Millers Crossing, south of track, 100	
feet east of road, in big rock; bronze tablet stamped "1031"	
Bacon, 3.4 miles east of, on south side of railroad, on stone; chiseled	
square marked "1053"	
Bacon, 3.6 miles east of, in south side of east end of culvert over	
river; end bolt	
Bacon, 3.7 miles east of; crossing west of Kalurah	
Kalurah, on east side of road crossing, in south end of tie; copper	
nail	
Kalurah, 0.4 mile east of, at railroad crossing of trail to Long Pond,	
on north side of track, in platform; copper nail	1, 094. 16
Kalurah, 0.4 mile east of, 450 feet north of Long Pond; surface of	Parties line
water, Aug. 21, 1914	1, 086. 4
Kalurah, 0.6 mile east of, in south side of culvert; west bolt	
Kalurah, 0.8 mile east of, in south side of culvert; west bolt	1, 093. 41
Kalurah, 1.2 miles east of, 50 feet east of milepost 58, 5 feet south	
of track; top of vertical rail	1, 103. 14
Twin Lake or Pond; surface of water, Aug. 21, 1914	1, 093. 9
Jayville, 500 feet west of, 200 feet west of water tower, 18 feet south	
of Smith tower, in big rock; bronze tablet stamped "1121"	
Jayville; top of rail at station	1, 122. 0
Jayville, 0.5 mile east of, 30 feet southeast of milepost 59, 4 feet	1 100 05
south of track; top of vertical rail	1, 163. 05
Jayville, 1.3 miles east of, 30 feet east of milepost 60, 5 feet south	1 000 000
	1, 233. 606
Jayville, 2.4 miles east of, on east side of milepost 61; top of iron brace nearest to track	1 010 00
Jayville, 2.7 miles east of, opposite Bear Lake, in center of track;	1, 513. 39
copper nail marked "1326"	1 205 50
Bear Lake; surface of water, Aug. 21, 1914	
Jayville, 3.6 miles east of, 0.4 mile southwest of Briggs, 50 feet east	1, 231. 5
of milepost 62, on south side of track, in west end of cement	
culvert; bronze tablet stamped "1389"	1 220 161
Briggs, 110 feet west of, 15 feet north of track, in big rock; chiseled	1, 505. 101
and painted square (railroad b. m.)	1 411 40
Briggs, 0.1 mile east of, at crossing; top of high rail marked "1421"_	
Briggs, 0.4 mile east of; railroad summit	
Briggs, 0.6 mile east of, at west end of fill, on north side of track;	religion
square mark marked "1429"	1, 429, 05
Briggs, 0.7 mile east of, 45 feet east of milepost 63; top of ver-	_,
	1, 422, 65
Briggs, 1.3 miles east of, 30 feet west of Vaughns switch, on south	Hamston
side of culvert, on guardrail; top of west bolt	1, 407. 15
Briggs, 1.3 miles east of, at road crossing; top rail	

Briggs, 1.6 miles east of, at milepost 64, west of track; top of iron	
brace nearest to railroad	1, 391. 92
Aldrich, 30 feet west of, at crossing; top of south rail	1, 344. 88
Aldrich, 0.3 mile northeast of station, in southwest corner of abut-	
ment of railroad bridge over Little River, 1 foot from edge of	
abutment, 86 feet west of center of bridge; bronze tablet stamped	4 000 040
"Prim. Trav. Sta. No. 1, 1913, 1333"	1, 333. 318
Aldrich, 1.2 miles northeast of, 10 feet north of milepost 66, 6 feet	
east of track, on big rock; chiseled and painted square marked	
"1361 "	
Railroad summitAldrich, 2.3 miles northeast of, at milepost 67, 6 feet south of track;	1, 309. 9
	1 965 14
top of north iron brace of postCoffins Mills, at road crossing, east of road, north of railroad, on	1, 500. 14
big stone; chiseled cross	1 266 26
Coffins Mills, at milepost 68, on south side of track; top of nearest	1, 500. 20
one to track of two iron braces	1 275 20
Oswegatchie, 200 feet east of station, at road crossing, on east side	1, 510. 20
of road, 25 feet south of railroad, 100 feet from hotel; bronze	
tablet stamped "1372"	1 371 932
Oswegatchie, 0.8 mile east of, at milepost 69, 6 feet south of track;	paintinia
top of iron brace nearest track	1 346 86
Oswegatchie, 1.8 miles east of, at milepost 70; top of iron brace	a free of
nearest rack	1. 368. 12
Oswegatchie, 2.1 miles east of, at road crossing; top of high rail	1, 382, 6
Oswegatchie, 2.9 miles east of, at milepost 71; top of iron brace	September (6)
nearest track	1, 436, 30
Oswegatchie, 3.9 miles east of, at milepost 72; top of iron brace	Prancis o
nearest track	1, 406, 62
Benson Mines, 188 feet northeast of station, in concrete base of water	
tower; bronze tablet stamped "Prim. Trav. Sta. No. 2, 1913, 1406"_	1, 405, 925
Little River; floor of bridge over	1, 401. 7
Little River; surface of water, Aug. 25, 1914	
Benson Mines department store and post office, at forks of roads, at	
east end of wooden culvert drain; copper nail	1, 407, 12
Benson Mines, 0.7 mile southwest of, at Post Henderson R. R. to	
south; top of rail	1, 399. 02
Benson Mines, 1.2 miles south by west of, at foot of second grade,	
on north side of road, on big stone; chiseled circle (an old	
bench mark)	1, 442. 47
Starlake village, Grove Hotel north of, at crossroads, on south-	
east corner of pump floor; copper nail	1, 455. 73
Starlake post office, in front of Sunnyside Inn, at forks of roads,	1 12 1
on stone; chiseled square	
	1, 449. 6
Starlake, 0.5 mile south of, at top of grade, on south side of road, on	1002130-
rock in bank; chiseled square	1, 511. 62
Starlake, 1 mile south of, west of road, on fence line, 500 feet north	S WAR
of J. E. Kenny's house, on big rock; bronze tablet stamped "1427"_	
Starlake, 1.7 miles south of; floor of bridge over Little River	
Little River; surface of water, Aug. 25, 1914	1, 380. 1
Starlake, 2.3 miles south of, at southwest corner of forks of roads, at	1 455 40
private road west, on top of fence post; copper nail	
Starlake 28 miles south of: floor of bridge over Tamarac Creek	1, 388. 8

Tamarac Creek; surface of water, Aug. 26, 1914	Feet.
Starlake, 3.4 miles south of, on west edge of road, on top of big	1, 383. 3
starrake, 3.4 mines south of, on west edge of road, on top of big	1 445 90
Starlake, 3.9 miles southwest of, in small creek running east to	1, 440. 50
Tamarac Creek; surface of water, Aug. 26, 1914	1 430 3
Starlake, 4 miles southwest of, on east side of road, on big rock;	1, 450. 5
chiseled square	1 498 97
Starlake, 4.5 miles southwest of, on east side of road on grade, in	1, 100. 01
root of maple tree; copper nail	1 595 04
Starlake, 4.9 miles southwest of, on west side of road, 5 feet south of	1, 020. 01
big brick blazed rock; bronze tablet stamped "1541"	1.541.330
Starlake, 5.3 miles southwest of; corduroy bridge over Streeter Lake	2, 011. 000
outlet stream	1, 455, 4
Streeter Lake outlet stream; surface of water, Aug. 27, 1914	
Starlake, 5.5 miles southwest of, at forks of roads, on east side of	A CONTRACTOR
road to Ball Bros.' lumber camps, on big stone; chiseled square	1, 495, 08
Starlake, 5.8 miles southwest of, at forks of roads, T road (private)	Carrie aratis
west to Streeter Lake, on big stone; chisel mark	1, 507, 56
Streeter Lake; surface of water, Aug. 27, 1914	
Starlake, 6.9 miles southwest of; corduroy floor of bridge	
Surface of water of creek under bridge, Aug. 28, 1914	
Pansy Lake outlet stream, at corduroy bridge; surface of water	
Starlake, 7.9 miles southwest of, 15 feet east of road, on west end of	Dispersion "
big rock; chiseled square	1, 512. 28
Starlake, 8.6 miles southwest of; point on big rock in road	1, 508. 18
Middle Branch of Oswegatchie River; surface of water, Aug. 29, 1914_	1, 500. 3
Francis old camp, at trail south to river, 15 feet south of bunk house,	
1.5 feet above ground on tree; copper nail	1, 547. 01
Francis old camp; surface of water in creek to south	1, 537. 2
Francis camp, 650 feet south of, 20 feet east of road, in large granite	
boulder; bronze tablet stamped "Prim. Trav. Sta. No. 5, 1913,	of wints.
1573 "	1, 572, 908
Francis camp, 0.8 mile southwest of; surface of water in brook, Aug. 30, 1914	Bensen 3
	1, 531. 0
Francis camp, 1.2 miles southwest of, at road forks, in road; top of	
stoneFrancis camp, 2.2 miles southwest of, center of big corduroy bridge	1, 594. 89
Francis camp, 2.2 miles southwest of, at forks of trail and road, on	1, 592. 4
THE RESERVE OF THE PROPERTY OF	1 000 45
stone; chiseled squareFrancis camp, 2.4 miles southwest of, east of trail, at northwest corner	1, 609. 45
of Totten and Crossfield purchase; top of St. Lawrence-Herkimer	
county line granite monument 4 feet high, 12 inches square, marked	
"St. Lawrence County" on one side and "Herkimer County" on	
A CONTRACTOR OF THE PROPERTY O	1 699 610
Francis camp, 2.7 miles southwest of, on north side of Middle Branch	1, 022, 010
of Oswegatchie River, on north end of big bridge, on stone; marked	
point	1 638 60
Middle Branch of Oswegatchie River; surface of water, Sept. 2, 1914	1, 626, 7
Alder Bed driving camp, 0.1 mile southwest of, 30 feet west of stable,	., 020. 1
20 feet southwest of shed, on rock; chiseled square	1. 649. 45
Alder Bed driving camp, 0.2 mile southwest of; corduroy bridge	., 010. 10
(water runs north)	1, 636, 0
The state of the s	THE PART OF

Alder Bed driving camp, 0.5 mile southwest of, on big rock in corduroy	Feet.
road; chiseled square	1, 669. 11
Alder Bed driving camp, 1.8 miles south of, at summit of ridge, on	
large flat granite rock at edge of road, maple tree 15 feet south,	
blazed on three sides, beech tree opposite; bronze tablet stamped	No. 4, 7
"Prim. Trav. Sta. No. 6, 1913, 2039"	2, 039, 389
Alder Bed driving camp, 2.9 miles southwest by south of, 0.3 mile west	to ania
of Kelley's camp, on south side of road, in top of stump; copper nail_	1, 809. 26
Kelley's camp, 0.2 miles north of; surface of water in creek at road to	birthing
Massawepie north, Sept. 3, 1914	1, 772. 4
Kelley's camp, 15 feet southwest of tool house, 40 feet south of store-	legior 1.5
house, 12 feet east of dead birch tree, on rock; chiseled square	
Kelley's camp, 1 mile south of, at forks of road and log road, 30 feet	
from corduroy road, on rock in road; chiseled square	1, 773. 50
From Oswegatchie northwest along highways to Fine, thence southwest to	
Kalurah, Malurah, Mal	
	171ne, 2.3 r
Oswegatchie, 200 feet east of station, at road crossing, on east side of	
road and 25 feet south of railroad, 100 feet north of hotel; bronze	1 271 022
tablet stamped "1372"Oswegatchie school; ground	
Oswegatchie, 0.8 mile north of, on south end of bridge over Little	1, 201
River, on east side of road, on top of big rock; chiseled square	1 162 92
Oswegatchie, 1 mile north of, at T road east, at northeast corner of	1, 102. 02
roads, 9 feet southwest of telephone pole, on highest rock; chiseled	
circle marked "1183"	1, 182, 81
Oswegatchie, 1.3 miles north of, at T road west, 10 feet southeast of	anamanimin in
big black rock, 30 feet southeast of another big rock, on stone;	
chiseled square	1, 259. 75
Oswegatchie, 2 miles north of, on east side of highway, 50 feet south	
of maple grove, on granite bowlder; chiseled mark	1, 201. 69
Oswegatchie, 2.2 miles north of, at southwest corners of roads, on	of Pineria
stone at edge of field; chiseled square	1, 182. 20
Oswegatchie, 2.7 miles northwest of, at T road west, on east side of	
highway and south side of private road, on big rock; chiseled	
square	1, 203. 34
Oswegatchie, 3 miles north of, east of highway, at corner of fences,	
opposite house owned by Charles Akins, on big flat rock; bronze	1 100 101
tablet stamped "1199"	1, 199. 192
Oswegatchie, 3.7 miles northwest of; east end of cement culvert	1, 062. 6
Oswegatchie, 4.2 miles northwest of, on southeast corner of west wall	
of cement culvert, at end of wooden fence, house 200 feet west;	1 010 50
chiseled square	1, 010. 50
Oswegatchie, 5 miles north of, on southwest corner of Scotts bridge	1 000 10
over Oswegatchie River; end boltOswegatchie River; surface of water, Sept. 8, 1914	998. 5
Oswegatchie River; surface of water, Sept. 8, 1914Oswegatchie, 5.1 miles north of, on west side of highway, at road to	000. 0
oswegateme, 5.1 miles north of, on west side of lighway, at road to school, on grade, on stone; chiseled square	1 024 08
Oswegatchie, 5.6 miles northwest of, at T road north to Russell, on	1, 021. 00
west side of road, on rock; chiseled square	1, 015, 03
Oswegatchie River; surface of water at bend, Sept. 8, 1914	989. 0
Oswegatchie, 6.6 miles north of, at top of grade, on north side of	or gups
road, on rock; chiseled square	1, 026. 69
Total, or Total, embored of	e ; bnor .

Oswegatchie, 7.2 miles north of, at T road south, on north side of	
road, on rock under cliff; chiseled square	
Fine, east end of village, 50 feet east of T road north, on north side	
of road, in large boulder; bronze tablet stamped "Prim. Trav. Sta.	na segrate
No. 4, 1913, 977"	977. 268
Fine, just southwest of, at top of grade, at T road south, on north	1 004 50
side of road, on rock under cliff; chiseled square	1, 001. 50
Fine, just southwest of, on southeast corner of bridge over Oswe-	000 40
gatchie River, on stone coping; chisel markOswegatchie River; surface of water, Sept. 9, 1914	988. 46
Fine, 1.5 miles southwest of, at fork of roads, 15 feet east of main	970. 0
road to Pitcairn, south of road running east, on top of big stone in	
field; chiseled square	996. 36
Fine, 1.7 miles southwest of, on culvert; northeast corner of north	ion minut
wall	985. 0
Surface of water of small pond north of road, Sept. 9, 1914	976.3
Fine, 2.3 miles southwest of, southeast across road from triangle of	
three roads, at road fork, on top of stone; square mark	992.07
Fine, 3 miles west of, on west abutment at southwest corner of bridge	
over Yellow Creek; bronze tablet stamped "926"	926. 285
Fine, 3.4 miles west of, at forks of roads, at T road south, 65 feet	
south of main road, on east side of road to south, on rock; chis-	
eled square	962. 09
Fine, 4.3 miles west of, 50 feet east of road fork south to Greenwood	SAUDOWINE .
farm, in root of big pine tree; copper nail	869. 53
Fine, 5 miles west by southwest of; bridge over Greenwood Creek	880. 70
Greenwood Creek, surface of water under bridge, Sept. 10, 1914	875. 0
Fine, 5.2 miles west by southwest of, 75 feet south of bridge over	995 09
Greenwood Creek, in top of big stone; chiseled squareFine, 5.9 miles west by southwest of, at Moore's mill, on northeast	885. 92
platform over water slide; copper nail	933. 87
Fine, 6 miles southwest of, 1,000 feet south of Moore's mill, at turn-	000.01
out in road, on big rock; bronze tablet stamped "954"	954 457
Fine, 7.1 miles southwest of, 1 mile south of Moore's mill, at forks	observation ()
of trail, in root of ash tree; copper nail	
Fine, 7.7 miles southwest of, 1.6 miles south of Moore's mill, at old	OXEGUE
cabin, 20 feet south of road, 50 feet from cabin, in root of beach	
tree; copper nail	1, 027. 89
Fine, 7.8 miles southwest of, 1.7 miles south of Moore's mill, at forks	
of trails, in top of stone; chisel mark	1, 039, 43
opposite cliff, on east side of road, 50 feet southwest of dead stump,	Julya Ju
on stone; chisel mark	
Kalurah railroad station, on east side of road crossing, on south end	
of tie; copper nail	1, 093. 25
From Alder Bed driving camp west along highway to Middle Branch settlement.	
Alder Bed driving camp, 30 feet west of stable, 20 feet southwest of	
shed, on top of rock; square mark	1, 649. 45
Alder Bed driving camp, 0.25 mile west of, on rock in road; chiseled	K Dan
square	1, 673. 51
Alder Bed driving camp, 1 mile west of, at station 15, on stone in	negative do
road; square mark	1, 897. 38

Alder Bed driving camp, 1.2 miles west of, at station 17; point on	Feet.
stone	1, 933. 92
Station 24, 25 feet east of; bridge (water runs southwest)	
Massawepie Lake; surface of water, Sept. 26, 1914	1, 825. 0
Alder Bed driving camp, 2.3 miles west of, 25 feet southeast of old	
Massawepie camp, at station 28, on north side of trail, on rock;	
chiseled square	1, 810, 37
Alder Bed driving camp, 2.4 miles west of, at station 29, in center of	Rome
road; top of rock	1, 793. 73
Alder Bed driving camp, 2.7 miles west of, at station 32, 4 feet north	
of blazed tree, in top of rock; chiseled square	
Alder Bed driving camp, 2.9 miles west of, at station 34, on north side	
of road, in rock; chiseled square	1, 736. 45
Alder Bed driving camp, 3.25 miles west of; point on bridge over	1 505 14
Surface of water, Sept. 29, 1914	1, 595. 14
Alder Bed driving camp, 3.5 miles west of, at station 40, on stone;	
chiseled square	
Alder Bed driving camp, 3.8 miles west of, south of road at station 43,	
on top of big stone; chiseled square	
Alder Bed driving camp, 4 miles west of, near station 45. in road, on	
top of big rock; chiseled square	
Camp 1, 100 feet northeast of Mannigan's bunk house, on big rock;	
bronze tablet stamped "1622"	1 621 690
Camp 1, 0.6 mile west of, on stone at forks of T road and turn-off	1, 021. 000
road; chiseled square	1, 526, 23
Camp 1, 1.5 miles west of, on north end of corduroy bridge, on rock in	-, 0-00
creek; chiseled square marked "1520"	1, 519, 87
Camp 1, 1.8 miles west of, at forks of turnout road and main road,	
at foot of beech tree, on south side of road, on rock; square mark	1, 482. 62
Camp 1, 2.3 miles west of, southeast of Shaws camp, No. 250, on big	
rock; chiseled square	1, 386. 72
Camp 1, 3.4 miles west of, on north side of road, on east side of creek,	CONTRACTOR OF THE PERSON OF TH
18 feet east of corduroy road, on top of stone; chiseled square	1, 333. 86
Camp 1, 3.9 miles west of, at forks of main trail and road to Wallace	
camp, in root of beech tree; copper nail	
Camp 1, 4 miles west of, at forks of main road and turn off, in root	
of tree; copper nail	
Camp 1, 4 miles west of, 100 feet east of Cold Spring Creek, on	
south side of road, on big rock; bronze tablet stamped "1220"	
Cold Spring Creek (runs southwest); surface of water, Oct. 4, 1914	
Camp 1, 4.3 miles west of, at forks of main road and cut-off, on root of beech tree; copper nail	
Camp 1, 5.1 miles west of, on main road south to Mullins camp, 30	
feet east of junction of roads, in root of beech tree; copper nail	
Bryant's bridge, 0.6 mile east of, 11.2 miles west of Alder Bed driv-	
ing camp, on southwest side of road, in beech tree; copper nail	1, 177. 60
Bryant's bridge, 0.1 mile east of, at junction of road and road south	
to Sugarbush, on top of stone; chisel mark	1, 063. 89
Bryant's bridge, over Oswegatchie River, on southeast corner of	Lodi, 0.8
bridge; bolt	1, 015. 70

OSWEGO QUADRANGLE,1

[Latitude 43° 15'-43° 30'; longitude 76° 30'-76° 45'.]

Primary leveling in 1898 by D. E. Baxter.

From Red Creek northeast to Oswege.

From Red Clear Millians to Cawage.	
Red Creek, on Second Street, Red Creek Academy, 225 feet north of	
Rome, Watertown & Ogdensburg R. R., on west side of street;	Feet.
aluminum tablet in stone foundation, stamped "355 Oswego"	356. 410
Red Creek, 200 feet west of station, road crossing; top of rail	335. 3
Sterling, 2.1 miles southwest of, railroad bridge over highway, fourth	000 40
step of east wing of north abutment; chiseled square	339, 48
Sterling, at crossing of the Rome, Watertown & Ogdensburg and the	201 0
Lehigh Valley railroads; top of rail	321. 0
Hannibal, schoolhouse on Oswego Street, in stone doorsill of north entrance; aluminum tablet stamped "354 Oswego"	355. 057
Oswego, 3.5 miles north of, wharf line of south side of basin, 5 feet	555, 051
from east face of old United States stone pier at foot of West	
Third Street; top of iron bolt flush with top of masonry, stamped	
"U. S.+B. M."	251, 898
Oswego, northeast corner of post-office building, corner of Oneida and	201, 000
West First streets, in water table; aluminum tablet stamped "295	
Oswego "	295, 753
(CD 37CD) The second of the s	Direction.
OVID QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 76° 45'-77°.]	
Primary leveling in 1899 by C. H. Semper and W. F. Hammond.	
From Himrod south along the Fall Brook Ry. to Reading Center.	Taddina.
	Logonor Loginoria Loginoria
Himrod, 500 feet north of, on west south abutment of bridge on	799 10
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	799. 10 989. 52
Himrod, 500 feet north of, on west south abutment of bridge on	799. 10 989. 52
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989, 52 614, 856 648, 46
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856 648, 46 671. 72
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856 648, 46
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989, 52 614, 856 648, 46 671, 72 709, 09
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856 648, 46 671. 72
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989, 52 614, 856 648, 46 671, 72 709, 09 722, 15
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989. 52 614. 856 648, 46 671. 72 709. 09
Himrod, 500 feet north of, on west south abutment of bridge on Northern Central Ry.; chisel mark	989, 52 614, 856 648, 46 671, 72 709, 09 722, 15

¹ See Bull. 514, pp. 90-91, for other elevations.

Lodi, 1.9 miles south of, in top of masonry of creek bridge on east	
	Feet.
side of railroad; top of iron bolt (No. 321, L. V.)	817. 73
Lodi, 2.9 miles south of, in top of wall of cattle pass on northeast	Ounges, 3
side of railroad; top of iron pin (No. 320, L. V.)	829. 82
Caywood, 0.2 mile south of, top of stone culvert masonry, on south-	
east side; top of iron bolt (No. 319, L. V.)	839. 37
North Hector, 0.5 mile south of station, 0.2 mile west of railroad, in	
masonry of basket factory, on crossroads; bronze tablet stamped	
"840 Oswego 1899"	840. 639
From Fayette south along the Lehigh Valley R. R. to Ovid Center.	
Hayt Corners, 2.2 miles north of, on southwest side of railroad, 30	
feet west of road; top of iron bolt stamped "B. M. 333" (L. V.)	742. 53
Hayt Corners, 1.6 miles north of, 1,500 feet east of railroad crossing,	
20 feet east of red farm gate; top of iron bolt (B. M. 333 L. V.)	740.08
The state of the s	
From Trumansburg west to East Steamburg (single-spur line).	
East Steamburg, northeast corner of Sherwood's house, 200 feet	West Ch
northwest of northwest corner of crossroads, in east wall; bronze	
tablet stamped "1544 Oswego"	
· IDMARGAND MADEXO	1,011.000
OWEGO QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 76° 15'-76° 30'.]	
A CONTROL OF THE PROPERTY OF T	
Precise leveling in 1898 by E. L. McNair.	
From Barton northeast along Eric R. R. to Owego.	
Precise leveling in 1898 by E. L. McNair.	
From Barton northeast along Eric R. R. to Owego.	
From Barton northeast along Eric R. R. to Owego. Barton, in front of Eric station, westbound track; top of north rail	
From Barton northeast along Eric R. R. to Owego. Barton, in front of Eric station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone	797. 6
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail	797. 6 797. 517
Freeise leveling in 1898 by E. L. McNair. From Barton northeast along Eric R. R. to Owego. Barton, in front of Eric station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Eric station, westbound track; top of south	797. 6 797. 517
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail	797. 6 797. 517
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37,	797. 6 797. 517 793. 1
From Barton northeast along Eric R. R. to Owego. Barton, in front of Eric station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Eric station, westbound track; top of south rail Tioga Center, in front of Eric station, westbound track; top of south rail	797. 6 797. 517 793. 1
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca	797. 6 797. 517 793. 1 797. 7
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail	797. 6 797. 517 793. 1 797. 7
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca	797. 6 797. 517 793. 1 797. 7 815. 028
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6
From Barton northeast along Eric R. R. to Owego. Barton, in front of Eric station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Eric station, westbound track; top of south rail Tioga Center, in front of Eric station, westbound track; top of south rail Owego, 2.25 miles west of Eric station, southeast corner of bridge 37, in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Eric station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green.	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville.	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; alumi-	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; aluminum tablet stamped "818 Albany"	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; aluminum tablet stamped "818 Albany" Catatonk, at road crossing into sawmill yard; top of rail	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; aluminum tablet stamped "818 Albany" Catatonk, at road crossing into sawmill yard; top of rail Candor, at road crossing south of station; top of rail	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; aluminum tablet stamped "818 Albany" Catatonk, at road crossing into sawmill yard; top of rail Candor, at road crossing south of station; top of rail Gridleyville, 0.3 mile south of bridge 10, in northeast pedestal stone;	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9
Barton, in front of Erie station, westbound track; top of north rail Barton, 1.2 miles east of, southeast corner of bridge 40, in coping stone of abutment; aluminum tablet stamped "798 A" Smithboro, in front of Erie station, westbound track; top of south rail Tioga Center, in front of Erie station, westbound track; top of south rail Owego, 2.25 miles west of Erie station, southeast corner of bridge 37, 'in coping stone of abutment; aluminum tablet stamped "815 A" Owego, 700 feet west of station, westbound track at crossing of Ithaca branch of Lackawanna R. R.; top of north rail Owego, in front of Erie station, westbound track; top of north rail Primary leveling in 1898 by W. W. Gilbert and in 1900 by W. E. Green. From Owego north along railroad to Gridleyville. Owego, in northwest corner of foundation wall of courthouse; aluminum tablet stamped "818 Albany" Catatonk, at road crossing into sawmill yard; top of rail Candor, at road crossing south of station; top of rail	797. 6 797. 517 793. 1 797. 7 815. 028 816. 6 816. 9

140 SPINII LEVELING IN NEW TORK, 1000 1000, 1012 1010	•
From Owego south along highway to Gibson Corners.	Feet.
Owego, Main Street road crossing; top of rail	807.8
Kile triangulation station, 2.8 miles south of Owego; top of stone monument	
Gibson Corners, 1.5 feet from south end of schoolhouse, in west side	
wall; bronze tablet stamped "1531 Albany"	1, 531, 558
From Spencer south to Halsey Valley (single-spur line).	
Halsey Valley, northwest corner of Dr. H. P. Vosburgh's house; bronze tablet stamped "1065 Albany"	
From Van Etten east along the Lehigh Valley R. R. to North Candor,	
Spencer, Lehigh Valley R. R. crossing; top of rail	999. 9
Spencer, southwest corner of Main and Tioga streets, in water table	
on north side of Fisher block, 1 foot east of northwest corner;	
bronze tablet stamped "A 995"	
East Spencer, Lehigh Valley R. R. station; top of rail	
West Candor, Lehigh Valley R. R. station; top of rail	
North Candor, Lehigh Valley R. R. station; top of rail	
OXFORD QUADRANGLE.	
[Latitude 42° 15'-42° 30'; longitude 75° 30'-75° 45'.]	
Primary leveling in 1900 by C. H. Semper and W. E. Green.	
From Guilford along the New York, Ontario & Western Ry. to Norwich.	
Summit, in front of station; top of railOxford, at road crossing near station; top of rail	The second secon
From Afton north along highway to Coventryville (single-spur line).	Barton, in
Coventryville, William Lyman's store, 8 feet from northeast corner,	
in foundation wall; aluminum tablet stamped "1435 Albany"	
From Greene northeast along the Delaware, Lackawanna & Western R. R. to Oxford.	Thomas Con
Brisbin, 500 feet west of station, in north end of east abutment	
of highway bridge over Chenango River; bronze tablet stamped "927 Albany"	ilgos al
Coventry, waiting room at station; doorsill	927, 277 959, 00
Oxford, Water Street crossing; top of rail	
Oxford, southeast corner of Citizens' Opera House, in foundation wall; aluminum tablet stamped "982 Albany"	
OYSTER BAY QUADRANGLE.	002. 102
[Latitude 40° 45'-41°; longitude 73° 30'-73° 45'.]	
Primary leveling in 1897 by Clark Brown.	ri (Oro et)
From Mineola northeast via Jericho to East Norwich.	Catarinals
Jericho, opposite hotel; top of marble highway monument in triangle	
of roads	194. 08
Jericho, Jericho pike at forks of road to Oyster Bay and Syosset, retaining wall east of road, 15 feet from driveway to residence; bronze tablet stamped "218 W. P."	218, 160

From East Norwich west via Roslyn to Bayside.

2

Roslyn, west side of south front of upper basin on public fountain; bronze tablet stamped "37 W. P."	Feet. 37. 45:
PALMYRA QUADRANGLE.1	
[Latitude 43°-43° 15'; longitude 77°-77° 15'.]	
Primary leveling in 1898 by C. H. Semper and D. E. Baxter.	
From Ontario east along highway to Wallington.	1.0801
Williamson, in front of station; top of rail	420. 2
East Williamson, at road crossing; top of rail	417. 0
Sodus, highway crossing, main track; top of rail	428.8
Sodus, southwest corner of Third Methodist Episcopal Church, on	450 05
Ridge road, in water table; aluminum tablet stamped "457 O" Wallington, on southwest corner of stone foundation of railroad	458. 25
water tank; chiseled square	405. 90
	bron lo
From Galloway's bridge northeast along highways to East Palmyra.	SHE DES
East Palmyra, 2.3 miles southwest of, Galloway's highway bridge	440 57
over Erie Canal, east wing of towpath abutment; chiseled square East Palmyra, Presbyterian Church, in northwest corner of water	449. 57
table; bronze tablet stamped "471 Oswgo"	471. 82
From Williamson south along highway to Marion (single-spur line).	
Williamson, Union Academy, northwest corner of building; aluminum tablet stamped "454 Oswgo"	454. 84
Marion, 500 feet north of four corners, Main Street front of the	19001201
Marion Collegiate Institute; aluminum tablet stamped "462	
Oswgo"	462. 81
From Wallington south along the Northern Central Ry. to Newark.	
Wallington, 0.9 mile south of, culvert 45, over Salmon Creek, north-	
west corner of masonry; chiseled square	405. 90
Sodus Center, 0.3 mile south of, bridge 44, over Salmon Creek, on	411 00
west wing of south abutment; chiseled squareZurich, in front of station; top of rail	411. 03 441. 5
Fairville, brick schoolhouse, district 2, 475 feet west of Northern	Theline J
Central Ry., in masonry foundation, 7 feet south of front entrance;	
aluminum tablet stamped "456 Oswgo"	456. 80
Fairville, 0.9 mile south of, railroad bridge 40, over Mud Creek, west end of south abutment; chiseled square.	414, 21
Fairville, 2.9 miles south of, railroad bridge 37, over Mud Creek, west	111. 21
end of south abutment; chiseled square	416. 35
Newark station of New York Central & Hudson River R. R., Northern	
Central Ry. bridge over New York Central & Hudson River R. R. tracks, on top step, west end of south abutment; chiseled square	434, 25
Newark, Charles Street bridge over Erie Canal, towpath side, on	454. 25
bottom step of east wing; chiseled square	447. 81
Newark, southwest corner of Charles and Miller streets, Miller	
Street front of Baptist Church, 1 foot from northeast corner, in	455 55
water table; aluminum tablet stamped "457 Oswgo"	457. 57

PENN YAN QUADRANGLE.

[Latitude	42° 30′-42°	45'; lon;	gitude 77°-77	° 15']
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Primary leveling in 1899 by C. H. Semper and W. F. Hammond.

From Bellona south along the Northern Central Ry. to Himrod.

Benton, in northeast corner of Methodist Church; tablet stamped	
"1089 Oswego 1899"Penn Yan, in front face of Penn Yan Academy; aluminum tablet	1, 089. 814
stamped "767 Oswego 1899"	768. 497
Milo Center, in east side of church on Main Street; tablet stamped "947 Oswgo 1899"	0.47 800
941 Oswgo 1899	947. 809
From Himrod southwest along highway (single-spur line).	
Himrod, 4.5 miles southwest of, small bridge 0.75 mile south of forks	
of road, in face of east wing of north abutment; tablet stamped "1111 Oswego, 1899"	1 112 490
North Capage Deuten Andrea College Valley value of each and and	1,112.100
From Potter Center south via Branchport to Catawba.	
Potter Center, in east end of north abutment of iron bridge over Flint	Part Peln
Creek; tablet stamped "893 Oswego 1899"Friend, on west abutment at north end of bridge; chiseled square	893. 490 987. 88
Branchport, 1,200 feet east of, in south end of west abutment of high-	mont
way bridge, road to Penn Yan; tablet stamped "720 Oswego 1899"_Gulicksville (near Pulteny post office), in west end north wall of iron	720, 702
bridge; aluminum tablet stamped "733 Oswego 1899"	733. 615
PHELPS QUADRANGLE.	
PRELIFS QUADRANGLE.	
[Latitude 42° 45'-43°; longitude 77°-77° 15'.]	S. A. L. L.
Primary leveling in 1899 by C. H. Semper.	ist with the Wa
From Newark south along the Northern Central Ry. to Phelps Junction, thence	
southeast to East X.	
Phelps Junction, 1.2 miles east of, on east end of stone abutment	
of aqueduct on south side of track, 15 feet from east end of wall; chisel mark	536. 82
Phelps, southwest corner of schoolhouse, corner of Maine and	
Banta streets; aluminum tablet stamped "542 Oswego 1899"	543. 142
From Phelps Junction west along the New York Central & Hudson River R. R.	
to Manchester.	
Phelps Junction, 1.2 miles west of, on south side of railroad, top of	ECE 40
stone abutment of creek bridge; chisel markClifton Springs, 3.9 miles west of, Lehigh Valley overhead bridge	565. 49
over Auburn branch of New York Central & Hudson River	
R. R., north abutment; bronze tablet stamped "611 Oswego 1899"	612, 031
Manchester, west abutment of Lehigh Valley R. R. bridge; top	012, 031

of bolt (railroad bench mark No. 359)_____

607.44

From Phelps Junction south along the Northern Central Ry. to Bellona.	
Stanley, in northwest corner of grain elevator at railway station; aluminum tablet stamped "903 Oswgo 1899"	Feet. 904, 027 732, 207
From Stanley southwest along the Lehigh Valley R. R. to Rushville.	
Rushville, in northeast corner of Methodist Episcopal Church, in water table; tablet stamped "870 Oswego"From Stanley west along the New York Central & Hudson River R. R. to Canandaigua.	871, 063
[The closure error in this line is excessive.]	
[The closure error in this line is excessive.]	
Ennerdale (Beula post office), 30 feet south of station building, south side of railroad, on east margin of highway, in large boulder; bronze tablet stamped "851 Oswego"	851, 393
PHOENICIA QUADRANGLE.	
[Latitude 42*-42° 15'; longitude 74° 15'-74° 30'.]	
Primary leveling in 1900 by W. S. D. Moore and George Bailey.	
From Boiceville north to Phoenicia.	
Mount Pleasant, in front of station; top of railPhoenicia, in front of station; top of railPhoenicia, Ulster & Delaware R. R. bridge, south pier, top of east end; aluminum tablet stamped "804 Albany"	713. 9 796. 2 805. 171
From Phoenicia northwest along the Ulster & Delaware R. R. to Highmount.	
Shandaken, steel bridge at forks of road, top of southwest wing wall; bronze tablet stamped "Albany 1071"	1, 213. 85
From Shandaken southwest to Big Indian, thence south to Slide Mountain post office.	
Slide Mountain, rock at northwest corner of post office; bronze tablet stamped "Albany 1665"	1, 665. 070
From Shandaken north to Lexington.	
West Kill, 1.3 miles south of top of Deep Notch, west side of road, on boulder; aluminum tablet stamped "Albany 1901"West Kill, small steel bridge on south of road, east sill; chisel mark_	1, 901. 096 1, 464. 51
From Phoenicia northeast to Lanesville.	
Chichester, in front of station; top of rail	1, 014. 7
Chichester, 1.7 miles northeast of, north abutment of bridge, east end, top stone; chisel mark	

From Hunter west to Lexington.

From Hunter west to Lexington,	
Jewett Center, east abutment of East Kill bridge, north end, top stone; aluminum tablet stamped "1405 Albany"Lexington, north pier of Schoharie Creek bridge, west end, top stone; aluminum tablet stamped "1329 Albany"	1, 405. 728 1, 329. 760
From Shandaken along Ulster & Delaware R. R. to Pine Hill.	i part
Shandaken, steel bridge at forks of road, top of southwest wing wall; bronze tablet stamped "1071 Albany"Big Indian, passenger room at station; doorsillPine Hill, in front of station; top of rail	1, 071, 401 1, 213, 85
PISECO LAKE QUADRANGLE.	
[Latitude 43° 15'-43° 30'; longitude 74° 30'-74° 45'.]	
Primary leveling in 1898 by C. H. Semper and in 1902 by J. B. Maguire.	
From Oregon north along road to Rudiston.	
Oregon, near northwest corner of schoolhouse, in large boulder on east side of road; bronze tablet stamped "1511 Albany"Oregon, 4.2 miles north of, 300 feet north of Pawley House, east side of road, in large table rock; aluminum tablet stamped "1674 Albany"	1, 511. 201 1, 674. 064
Rudiston, 1.7 miles south of, in east end of north abutment of highway bridge over outlet to Piseco Lake at mill; bronze tablet stamped "1666 Albany"	
From mill south along road to Arietta.	
Arietta, 4.7 miles north of, in east side of road at Gus Avery's house, in large rock; bronze tablet stamped "1703 Albany"	
From Morehouseville northeast along roads and trail to Metcalf Lake (single-spur line).	
Metcalf Lake, on boulder on west side of trail; bronze tablet stamped "2380 Albany"	
From Morehouseville east along road to Piseco.	
Morehouseville, 2.7 miles east of, 50 feet west of church, south side of road, on rock; chiseled circle, with legend "B. M. G. of N. Y. State Land Survey"	1, 832. 82
chiseled circlePiseco, Irondequoit Club house basement; aluminum tablet stamped "1703 A"	
From Piseco northwest to Spiuce Lake.	
Piseco, 5 miles north of, 50 feet north of old road running northeast	

Piseco, 5 miles north of, 50 feet north of old road running northeast
to old lumber camp, in large boulder 10 feet east of road; copper
bolt stamped "1964 A" 1, 964, 198

PITCHER QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 75° 45'-76°.]

Primary leveling in 1900 by W. E. Green.

From Solon southeast along the Erie and New York Central railroads to Willett.	Puttishner
East Freetown, at road crossing; top of rail	Feet.
Reubens (milk station); top of rail	
Whites Mills, in front of station; top of rail	
Dutch Hill, road crossing; top of rail	1, 131. 49
From Cincinnatus northeast along highway to Otselic.	Platisburg
Cincinnatus, in northeast corner of brick building of J. W. Osgood,	
opposite hotel; bronze tablet stamped "1045 Albany"	1, 044, 756
North Pitcher, west side of highway, in foundation wall of post office;	-,
bronze tablet stamped "1166 Albany"	1, 166. 612
From Pitcher north to Lincklaen (single-spur line).	
Lincklaen, at west corner of First Congregational Church, in front	
wall; bronze tablet stamped "1192 Albany"	1, 192. 683
From Truxton northeast along the Lehigh Valley R. R. to Cuyler.	
Cuyler, 0.25 mile east of, 500 feet east of north and south road, 4 feet	
south of track, in boulder; copper bolt stamped "1256 S"	1, 257. 305
Cuyler, at road crossing near station; top of rail	1, 127. 1
PLATTSBURG QUADRANGLE (including Plattsburg Training Camp).	
[Latitude 44° 30′-44° 45′; longitude 73° 15′-73° 30′.]	
From Plattsburg south along highways to point near Ausable River, thence southwest to west border of quadrangle.	
Primary leveling by Fred W. Crisp in 1916.	
Plattsburg, at crossing of Delaware & Hudson R. R. track and Bridge	
Street, at south dock, in north wall of culvert, in large stone in	
third course from bottom and fifth from top, five holes in nearly a	
horizontal line; middle hole filled with lead and marked "U. S."	
(C. & G. S. b. m.)	109.065
Preliminary unadjusted elevation of same b. m. by C. & G. S. precise level line from Rouses Point in 1916	100 000
Plattsburg, 1 mile south of, on Lake Shore road, in southwest corner	109, 009
of road crossing, 6 feet west of center of line of car tracks and 20	
feet south of center of road to southwest, center of top of iron	
sewer manhole; painted square, painted "T. B. M. 164.85"	164. 86
Plattsburg, 1.6 miles south of, on Lake Shore road, 300 feet south of	
bend in road, just south of barracks, 50 feet east of center line of tracks; copper nail and washer, painted "T. B. M. 159.2"	150 04
Plattsburg, 2.5 miles south of, on Lake Shore road, 50 feet west of	159. 24
end of spur line, 50 feet northwest of wooden bridge, 40 feet east	
of center of line of car tracks, top of south stone abutment; chis-	
eled square, painted "T. B. M. 144.6"	144. 64
Plattsburg, 2.7 miles south of, on Lake Shore road, 50 feet southeast	
of crossing of car line and Delaware & Hudson R. R., 100 feet south	
of road crossing, on north corner of concrete base of crossing signal; painted square, marked "U. S. T. B. M. 127.5"	197 40
signar, painted square, marked U. S. T. B. M. 127.5	127. 49
104787°—Bull, 671—18——10	

R. R. bridge across Genesee River; bronze tablet stamped "1131

Castile, southwest corner of coping stone of water plug; bronze tablet

Albany 1903 "______ 1, 131. 174

stamped "1395 Albany 1903"______ 1,394.847

Clastilla to Count of stations to a Counti	Feet.
Castile, in front of station; top of rail	
Summit, highest point of Erie R. R. (Buffalo division); top of rail	
Silver Lake Junction, about 500 feet west of, north side of Erie track,	1, 402. 0
in pier of Buffalo, Rochester & Pittsburgh Ry. bridge; bronze tablet	
stamped "1401 Albany 1903" (on single-spur line)	1 401 533
Chace station, road crossing; top of rail	
Fairview, in front of station; top of rail	
Perry, road crossing; top of rail	
Perry, north end of west abutment of railroad bridge at station, in	
top stone; bronze tablet stamped "1362 Albany 1903"	1, 362, 365
South Warsaw, north end of east abutment of bridge across Oatka	Port Jeruf
Creek; bronze tablet stamped "1066 Albany 1903"	1, 065. 823
Warsaw, road crossing at station; top of rail	1, 116. 0
E. Cath Waren and the cable and to With a City of the	
From South Warsaw west along public road to Wethersfield Springs, thence south via Hardys to Pike, thence east to Portage.	
Wethersfield Springs, culvert at west side of road; top of stone	1 720 606
Hermitage, 250 feet north of road leading to Gainesville, 300 feet	1, 120.000
west of East Koy Creek, 200 feet north of Blodgett's office, in	
boulder; bronze tablet stamped "1658 Albany 1903"	1.658.056
Hardys, in front of station; top of rail	
Pike Five Corners; west end of south abutment of iron bridge	
Pike, iron bridge across Wiscoy Creek, about center of east abutment,	District of the
north side of driveway; bronze tablet stamped "1546 Albany	
1903 "	1, 545. 986
PORT JERVIS QUADRANGLE.	
[Latitude 41° 15′-41° 30′; longitude 74° 30′-74° 45′.]	
Precise leveling in 1900 by C. H. Semper.	
From Sparrowbush southeast and northeast along Erie R. R. to Otisville.	
Sparrowbush, in front of station, northbound track; top of rail	473. 4
Port Jervis, Erie R. R. bridge over East Main Street, top of south	
abutment, west side, first step below bridge seat; bronze tablet	455 055
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	457. 077
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	457. 077 780. 914
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914 862. 219
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914 862. 219 857. 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780, 914 862, 219 857, 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780, 914 862, 219 857, 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780, 914 862, 219 857, 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914 862. 219 857. 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780. 914 862. 219 857. 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780, 914 862, 219 857, 5
abutment, west side, first step below bridge seat; bronze tablet stamped "456 Albany 1900"	780, 914 862, 219 857, 5

From Port Jervis southeast along highway to Unionville.

Greenville, in foundation wall of Methodist Church, south end of east	Feet.
face; aluminum tablet stamped "1043 Albany 1903 Adj" 1	, 043. 210

From Otis along highway west to Cuddebackville, thence northwest to Oakland Valley.

Cuddebackville,	in foundation wall of Methodist Church, south end	
of east face:	aluminum tablet stamped "522 Albany 1903 Adj"	522, 085

Leveling in 1913 by K. F. Maxcy.

Near Port Jervis.

Port Jervis, west side of south abutment of Erie R. R. bridge over	attractions
East Main Street, in top of first step below bridge seat; bronze	
tablet stamped "456 Albany 1900"	457. 077
Port Jervis, in front of station, northbound track; top of east rail	439. 3
Port Jervis, east abutment of Pike Street highway bridge over Dela-	time must
ware River, south end, in southeast corner of bridge seat; chis-	
eled circle	444. 50

PORT LEYDEN QUADRANGLE.1

[Latitude 43° 30'-43° 45'; longitude 75° 15'-75° 30'.]

Precise leveling in 1900 by C. H. Semper.

Primary leveling in 1902 by J. B. Maguire and in 1905 by R. P. Thompson.

From Glenfield east along highway to Houseville, thence south via Turin to Constableville, thence southeast to Boonville. Houseville, 180 feet south of crossroads, in northeast corner of south

abutment of highway bridge; aluminum tablet stamped "1304 Albany"	
Turin, at northwest corner in west side of building owned by J. E.	
Jones, 50 feet southeast from crossroads; bronze tablet stamped	America 12
"1264 Adj 1903"	1, 264. 144
Turin, 2.9 miles south of, 250 feet east of house of S. S. Freeman, 150	
feet south of house of C. D. Davis, at east side of three roads inter-	
section, 4 feet east of fence, in large rock; bronze tablet stamped	
"1277 Adj 1903"	1, 276. 537

Constableville, in southeast corner in water table of Catholic Church,	
bronze tablet stamped "1260 Adj 1903"	1, 259. 926

From Port Leyden northeast along highway to Fowlersville, thence northwest to Brantingham, thence west to Glenfield.

Port Leyden, 3.1 miles northeast of, 30 feet north of center of road,	
16 feet 8 inches southeast of pine tree, 17 feet 8 inches southwest	Feet.
of pine tree; iron post stamped "1207 Adj 1903"	
Fowlersville, 50 feet north of northeast abutment of highway bridge	TA THE TANK
over Moose River, 20 feet east of center of highway, in ledge of	
rock; aluminum tablet stamped "1182 Adj 1903"	1. 181. 594
Fowlersville, 3.6 miles northwest of, at Gridles Corners, 23 feet east	1, 101, 001
of road to north, 26 feet north of east and west road, 32 feet from	
center of crossroads; iron post stamped "1226 Adj 1903"	1 995 959
Brantingham, in center of south face of foundation wall of T. Hess's	1, 220. 000
barn, 250 feet west of four corners; aluminum tablet stamped	
"1259 Adj 1903"	1 950 906
Greig, 0.2 mile south of three corners, 150 feet west of house of L. D.	
Hires, 20 feet north from center of road, in flat rock; bronze	
tablet stamped "826 Adj 1903"	995 095
Glenfield, in foundation wall of New York Central & Hudson River	829, 929
depot; bronze tablet stamped "776 Albany 1900"	777 610
POTSDAM QUADRANGLE.	
elonics of the transfer to street audions at the true transfer and the	Potstam.
[Latitude 44° 30'-44° 45'; longitude 74° 45'-75°.]	
Primary leveling in 1906 by G. M. Dimmick.	
From Norwood via Potsdam to South Colton.	
Norwood, 2.6 miles south of, in brickwork of schoolhouse, north end	
of west face, 30 inches above ground; bronze tablet stamped	
"401 Adj 1903"	101 010
Potsdam, in third step of main entrance of Clarkson school building;	401. 349
aluminum tablet stamped "433 Adj 1903"	499 450
Potsdam, 3.7 miles south of, in foundation wall of the residence	433. 470
of G. B. Crandall, west end of north face; bronze tablet stamped	
"544 Adj 1903"	E44 000
Potsdam, 6.5 miles south of, in south end of east abutment of high-	544. 093
way bridge over Raquette River; bronze tablet stamped "559	
	EFO UFO
Adj 1903"Colton, in foundation wall of Catholic Church, west end of south	558. 958
face; aluminum tablet stamped "847 Adj 1903"	047 105
South Colton, in foundation wall of Methodist Church, center of south	847. 195
face; bronze tablet stamped "927 Adj 1903"	007 077
Tace; bronze tablet stamped "927 Adj 1903"	927. 275
From South Colton via Clear Pond and Parishville to Converse.	
South Colton, 3.2 miles northeast of, in large rock 15 feet south of	
center of highway, 400 feet east of farmhouse, owned by W. P.	
Lindsay; aluminum tablet stamped "1010 Adj 1903"	
South Colton, 6.5 miles northeast of, 20 feet east of Perkins school-	1, 010. 111
house, district 16, in large rock; aluminum tablet stamped "1304	
Adj 1903 "	1 204 620
South Colton, 10.1 miles northeast of (Clear Pond), in foundation	1, 504. 029
of stone building, north end of east face; bronze tablet stamped	
"1314 Adj 1903"	1 314 519
A see 1 str. 51s, 1s, 4b, for other stress.	1, 011. 013

South Colton, 13.9 miles northeast of, in rock at primary triangula-	
tion station Whites Hill (South), 350 feet west of highway; bronze	
triangulation tablet stamped "1436 Adj 1903"	
South Colton, 14.3 miles northeast of, in rock at primary triangulation station Whites Hill (North), 400 feet west of highway;	
bronze tablet stamped "1427 Adj 1903"	1, 427. 270
Parishville, in foundation wall of Baptist Church, west end of south face; aluminum tablet stamped "903 Adj 1903"	903. 313
Parishville, 3.2 miles northeast of, in brickwork of house owned by	
Charles Cuttings, west end of north face; bronze tablet stamped	FF. 100
"774 Adj 1903"	774. 163
From Potsdam east to Converse, thence north to Buckton.	
Potsdam, 2.4 miles east of, in brickwork of schoolhouse, center of	
south face; bronze tablet stamped "469 Adj 1903"	469. 564
Potsdam, 5.7 miles east of, in top of south end of west abutment of	
highway bridge over St. Regis River; bronze tablet stamped "507	507 959
Adj 1903"Potsdam, 8.2 miles east of, in stonework of stone house owned by	507. 353
H. Converse, west end of north face; aluminum tablet stamped	
"648 Adj 1903"	648. 351
Potsdam, 11.3 miles northeast of, in brickwork of Beechertown school-	
house, west end of south face, 10 bricks from foundation wall and	
16 bricks from southwest corner; bronze tablet stamped "549	F40.040
Adj 1903"Buckton, in brickwork of Methodist Episcopal Church, center of west	548. 916
face, six bricks above foundation wall; bronze tablet stamped "405 Adj 1903"	405, 190
three, 20 inches above stought brome tobies stranged	
POUGHKEEPSIE QUADRANGLE.	
[Latitude 41° 30'-41° 45'; longitude 73° 45'-74°.]	
Primary leveling in 1899 by Seth Van Loan.	
From Poughkeepsie northeast to Pleasant Valley.	
Poughkeepsie station, second step from east end of column on north	
side of arch bridge, keyed in fifth stone above ground; brass bolt	
stamped "+"	43. 334
Poughkeepsie, city hall, in front face; aluminum tablet stamped	
"Albany 173"	172. 991
Poughkeepsie, south end of first bridge east of station, over small creek; point on corner first step, east abutment	179 04
Poughkeepsie, northwest end of west abutment of small bridge east	172. 94
of Van Wagner crossing; point on top of stone	243. 21
Poughkeepsie, 1 mile west of Pleasant Valley, at Landis place, third	
step from top, south end, west abutment, cattle pass and bridge;	
point in corner	232. 57
Pleasant Valley, 300 feet east of station, in face of rock north side of	011 110
track; bronze tablet stamped "Albany 211"	211. 416
From Highland south along Erie R. R. to Milton.	
Milton, south side of Townsend's store, in window sill; bronze tablet	
stamped "9 Albany"	9,000
Stamped o mount	

From	Highland	north	to	College	Point.

Highland, Poughkeepsie bridge, west abutment ,southwest corner, top	Feet.
stone; chiseled markHighland, in front of West Shore R. R. station; top of west rail	225. 31 10. 2
Highland, 2 miles north of, east end of south wall of open culvert;	1.0 M
chiseled mark	8. 90

PULASKI QUADRANGLE.

[Latitude 43° 30'-43° 45'; longitude 76°-76° 15'.]

Primary leveling in 1900 by J. B. Maguire.

At Altmar.

Altmar (sand bank), southeast corner of foundation of Union Free	
School; aluminum tablet stamped "577 Albany"	576. 806

RAQUETTE LAKE QUADRANGLE.

[Latitude 43° 45'-44°; longitude 74° 30'-74° 45'.]

Primary leveling in 1899 by W. W. Gilbert and C. B. Bailey.

From Brandreth station east along road via Brandreth and Raquette lakes to Long Lake.

Brandreth Lake, Brandreth camps, northwest corner of clearing, 10	
feet east of road, 40 feet south of edge of woods, south face of	
boulder; aluminum tablet stamped "1915 Albany"	1, 913. 224
Brandreth Lake, foot of, 30 feet west of State road, 12 feet south	
of Brandreth Outlet, in northeast face of large boulder; aluminum	Elkiand, e
tablet stamped "1884 Albany"	1,882.656
Raquette Lake, Antlers Hotel, 30 feet west of ice house, in bedrock;	
aluminum tablet stamped "1811 Albany"	1,809.926
Raquette, Forked Lake Carry, at southwest corner of Carry and	
State road, 5 feet from road, 15 feet from Carry, in face of large	
boulder; aluminum tablet stamped "1796 Albany"	1, 796. 420

From Blue Mountain Lake to upper dock of Marion River Carry.

Marion River Carry, opposite upper dock of, in the east face of ledge	
of rock on north side of road; aluminum tablet stamped "1793	Addison
Albany "	1, 794. 119

RATHBONE QUADRANGLE.

[Latitude 42°-42° 15'; longitude 77° 15'-77° 30'.]

Precise leveling in 1898 by E. L. McNair.

From Cameron southeast along Erie R. R. to Rathbone.

Adrian, 3.7 miles east of, in face of rock cliff on east side of Erie
R. R. and highway, 400 feet northeast of highway bridge across
Canisteo River, 25 feet from east rail; bronze tablet stamped
"1080 D" (found in 1916 by Schlachter)
Cameron, in front of Erie station; top of north rail

1, 081, 183 NIKA 1, 047. 80 ZAKKAD

Cameron, 180 feet west of Erie station, in stone foundation of rail-	Feet.
road water tank; bronze tablet stamped "1048 D"	
Cameron Mills, in front of Erie station; top of north rail	
Rathbone, general merchandise store of F. G. Martin (building owned	
by O. O. Whittemore), foundation stone at right of main entrance;	
bronze tablet stamped "1006 D"	
Rathbone, in front of Erie station; top of south rail	1,008,6
THE RESIDENCE OF THE PROPERTY OF THE PARTY O	
Leveling in 1899 by C. H. Semper.	
From Addison south along Buffalo & Susquehanna Ry, to Elkland.	
From Addison south along Bunklo & Susquentania ky, to Elkland.	
Addison, 0.4 mile east of Erie station, 750 feet northeast of track,	
at right of main entrance to Union School building; aluminum tab-	
let stamped "1021 D"	1 099 554
Addison, 1.3 miles south of, top of east abutment north side of bridge;	1, 022. 001
chisel mark, marked "988 B. M."	987. 55
Freeman, 1.2 miles south of, top of rock on east side of track,	301.55
marked "1308 B. M."	1 208 50
Nichols, at road crossing; top of rail	
Freeman, 4.2 miles south of, top of spike in trestle on east side of	
railroad, chisel mark "1390 B. M." (this trestle reported removed	
in 1912; elevation, 1,390.49 feet)	1 990 59
Freeman, 5.1 miles south of, at northeast end of trestle culvert;	1, 505. 50
top of bolt in guard rail, chiseled, marked "1346 B. M."	1 945 49
Freeman, 6 miles south of, top of spike in culvert timber, 50 feet	1, 540, 45
west of Nelson flag station, on east side of track; chiseled,	
marked "1295 B. M."	
Elkland, on West Main Street, in front face of Pattison Bank; tab-	
let stamped "1134 Harrisburg 1899"	
let stamped 1194 Harrisburg 1000	
Leveling in 1916 by K. E. Schlachter.	
From Addison southwest along highways via Woodhull to west border of quadrangle.	
OCA 207 I "gandla 1971" becamus soldet purchents :	
Addison station, Erie R. R., top of south rail of westbound track	986. 8
Addison, 2 miles south of, along State road to Woodhull, on top of	
small retaining wall of culvert on north side of road; chiseled circle	
painted "t. b. m. 1024.5"	1, 024. 40
Addison, 3.2 miles southwest of, along State road to Woodhull, in	
north side of culvert; chiseled circle painted "t. b. m. 1039.5"	1, 039. 42
Addison, 4.2 miles southwest of, along State road to Woodhull, in north	
side of culvert; chiseled circle painted "t. b. m. 1165.0"	1, 164. 94
Addison, 5.5 miles southwest of, along State road to Woodhull, in south	
side of concrete bridge, 900 feet east of "Halfway Bridge"; bronze	
tablet stamped "1129"	1, 128. 639
Woodhull, 4.8 miles east of, 300 feet east of corner of road south, on	
south side of culvert; chiseled circle painted "t. b. m. 1165.2"	1, 165. 01
Woodhull, 3.6 miles east of, on north side of concrete culvert;	
chiseled circle painted "t. b. m. 1274.0"	1, 273. 83
Woodhull, 3.2 miles east of, on south side of concrete bridge, at road	Contste
north; bronze tablet stamped "1229"	1, 228. 420
Woodhull, 1.8 miles east of, in north end of west abutment of bridge	Surger Carlo
over Tuscarora Creek; chiseled circle painted "t. b. m. 1263.1"	1, 262. 84

Woodhull, 1 mile east of, on north side of concrete culvert; chiseled	
circle painted "t. b. m. 1304.2"	
Woodhull, 0.3 mile east of post office, in north end of west abutment	
of bridge over South Branch of Tuscarora Creek; bronze tablet stamped "1314"	1 914 047
Woodhull, on edge of concrete walk, east of Ren Colvins's store;	
chiseled cross painted "t. b. m. 1321.1"	
Woodhull, 1 mile west of, on south end of west abutment of bridge;	
chiseled circle painted "t. b. m. 1366.6"	
Brown school, in south side of west abutment of bridge near; chiseled	
circle painted "t. b. m. 1409.6"	
Brown school, 0.9 mile northwest of, 0.1 mile east of road to north,	
in south end of concrete culvert; bronze tablet stamped "1692"	1, 691, 252
Brown school, 2.1 miles west of, in south end of culvert, 215 feet east	
of road to north; chiseled circle painted "t. b. m. 1675.2"	1, 674. 81
From Rathbone southwest along highways to Woodhull.	
Rathbone, general store of F. G. Martin, on foundation stone at right	
of main entrance; bronze tablet stamped "1006 D" (Bull. 281,	
р. 14)	
Rathbone, 1.5 miles south of, at road fork, on flat rock in south mar-	o ovode
gin of road; chiseled circle painted "b. m. 1391.5"	1, 391. 55
Rathbone, 2.5 miles southwest of, top of concrete step, southeast	
corner, in front of Charles Miller's house; painted "1429"	1, 429. 20
Merring School, 0.9 mile northeast of, 275 feet south of corner on	HOVE
north end of west side of bridge; painted bolt, eleventh bolt	Chingron
from bottom on outside row, painted "B. M. 1318.6"	1, 318. 58
Merring School, 400 feet east of, on ledge, in south margin of road	1 000 54
at corner; chiseled square painted "b. m. 1606.5" Woodhull, 2 miles northeast of, on east side of north abutment of	1, 606. 54
bridge; painted circle painted "B. M. 1440.2"	1 440 20
Woodhull, 1.1 miles northeast of, at road fork east, in root, north	1, 110, 20
side of 12-inch maple tree, 25 feet southeast of fork; copper nail	A TOWN
and washer painted "B. M. 1595.1"	1, 595, 14
From Jasper southeast along highways to Woodhull.	
Till Charles in northwest excess to top at controls stems	The state of the s
Jasper, 0.9 mile east of, 80 feet east of five corners, on southeast	
corner of bridge; chiseled square painted "t. b. m. 1542.6"	1, 542. 09
Jasper, 2.5 miles east of, near corner of Townsley School, in south	
end of east abutment of bridge over Tuscarora Creek; chiseled	Histogram
square painted "t. b. m. 1461.4"	1, 460. 91
Woodhull, 2 miles west of, in south end of east abutment of bridge; chiseled square painted "t. b. m. 1394.2"	1 000 00
Woodhull, 1 mile west of, on southeast corner of concrete bridge;	
chiseled square painted "t. b. m. 1374.8"	
Woodhull, 0.6 mile west of, on culvert, north side of road; painted	1, 514. 20
circle1	1, 335, 06
mo con. P	1, 000.00
From point 2.6 miles north of Jasper along highways northeast and east to Cameron, thence northwest to permanent bench mark 3.7 miles east of	
Adrian, erroneously reported destroyed in Bulletin 514.	
North Jasper, 1.5 miles west of, 0.25 mile east of four corners, 100	
feet east of mail box of Albert Baker, in north end of iron culvert;	
chiseled cross painted "t. b. m. 2101.4"2	2 100 92
parator to be me 2101.1	, 100. 02

North Jasper, 0.4 mile west of, 20 feet west of house of L. S. Talbot, 105 feet north of road, in boulder at well; bronze tablet stamped "1712"	Feet.
North Jasper, 1 mile north of, on iron girder at northwest corner of bridge; chiseled square painted "t. b. m. 1681.4"	1 680 89
Brookland school, in west end of stone culvert at corner; chiseled	
circle painted "t. b. m. 1772.9"Brookland school, 0.8 mile east of, 300 feet east of house of John	1, 772. 38
Brown, in ledge, north margin of road, 2 feet above ground; bronze tablet stamped "1793"	1, 791. 960
Cameron, 1.7 miles southwest of, at west end of north abutment of bridge; top of large center bolt painted "1263.2"	1, 262. 60
Cameron, 0.5 mile west of, in north end of center pier of highway bridge over Canisteo River; chiseled circle painted "t. b. m.	
1050.4"Cameron, 2 miles west of, 600 feet west of road crossing, on base of	
semaphore 316.1, 2 feet above ditch; top of southeast bolt Cameron, 3.1 miles west of, on base of semaphore pole 317.1, 2 feet	
above ditch; top of southeast boltCameron, 4 miles west of, in base of semaphore pole 318.1, 2 feet	1, 066. 67
above ditch; top of southeast bolt	1, 070. 89
From Cameron along highways north and east to point near Campbell.	Shoulding
Cameron, 850 feet west of Erie R. R. station, in south side of concrete culvert; bronze tablet stamped "1050"	1, 049. 194
Cameron, 1 mile north of, 400 feet north of large barn, in culvert, east side of road; chiseled circle painted "t. b. m. 1408.9"	1, 408, 27
Cameron, 2.5 miles north of, in west end of concrete drain pipe at road corner to east; chiseled square pointed "t. b. m. 1763.5"	1, 762. 79
Cameron Hill school, 0.8 mile west of, in southeast quadrant of four corners on rock, 0.2 feet above ground; chiseled circle painted	1 500 05
"T. B. M. 1764.3"Cameron Hill school, at four corners, in root, west side of large maple tree, in southwest quadrant; copper nail and washer painted	1, 763. 69
"t. b. m. 1726.4"	1, 725. 72
Cameron Hill Church, in northwest corner of top of concrete steps at front entrance; bronze tablet stamped "1754"	1, 753. 320
Cameron Hill school, 0.5 mile east of, in ledge in south end of triangle at road corner; chiseled circle painted "t. b. m. 1629.0"	1, 628. 31
Risingville, 1.4 miles west of, on rock in south margin of road, 20 feet east of bridge; chiseled circle painted "t. b. m. 1542.9"	1, 542. 15
Risingville, 0.3 mile west of, in rock in southeast quadrant of road south; chiseled circle painted "t. b. m. 1553.5"	
Risingville, 420 feet west of bridge, in south end of concrete culvert,	
40 feet west of road fork; bronze tablet stamped "1331"Risingville, 1.2 miles east of, on rock on south margin of road, 200	1, 330. 080
feet west of house on north side of road; chiseled circle painted "t. b. m. 1299.7"	1, 298, 88
Thurston, at four corners, in south end of east abutment of bridge over Spring Brook; chiseled circle painted "t. b. m. 1265.5"	
	1 264 66
Thurston, in northwest corner of carriage step of Christian Church; bronze tablet stamped "1244"	

REDHOUSE QUADRANGLE.

[Latitude 42°-42° 15'; longitude 78° 45'-79°.]

Precise leveling in 1898 by E. L. McNair.

From Little Valley southeast along Erie R. R. to Salamanca.

Little Valley, Cattaraugus County courthouse, foundation wall at	Feet.
southwest corner; aluminum tablet stamped "1593 D"	1, 594. 244
Little Valley, in front of Erie station; top of rail	1, 566. 5
Elkdale, in front of station; top of rail	1, 464. 3
Salamanca, 3.25 miles west of, at southwest corner of iron-girder	
bridge, bridge seat; bronze tablet stamped "1413 D"	1, 413. 771

Precise leveling in 1899 by E. L. McNair and in 1902 by D. H. Baldwin.

From Shongo southwest along Pennsylvania R. R. to New York-Pennsylvania State line.

Shongo, in front of station; top of north rail	1, 372. 0
Redhouse, in front of station, main track; top of south rail	1, 345. 9
Redhouse, 0.56 mile southwest of, southeast corner of bridge 126, on	
foundation coping stone; aluminum tablet stamped "1340 Dun-	
kirk 1899"	1, 340, 904
Cold Spring, in front of signboard; top of south rail	1, 327. 5
Quaker Bridge, in front of station; top of rail	1, 329. 4
Quaker Bridge, 1.03 miles southwest of, northeast corner of steel-truss	
bridge, on foundation coping stone; aluminum tablet stamped "1316	
Dunkirk 1899 "	1, 317. 298
Wolf Run, in front of station; top of south rail	1, 328. 9
Wolf Run, 0.10 mile west of, southeast corner of bridge 121, on parapet	1.150.100
	1, 327. 018
Onoville, in front of station; top of west rail	1, 306. 6
State line, opposite boundary post; top of east rail	1, 295. 2

Primary leveling in 1903 by George Seidel.

From Kennedy east along railroad to Randolph (single-spur line).

Randolph, west end of north abutment of bridge west of station, top	
stone: bronze tablet stamped "1298 Dunkirk"	1, 298, 010

RED MILLS QUADRANGLE,1

[Latitude 44° 45'-45°; longitude 75° 15'-75° 30'.]

Primary leveling in 1904 by G. M. Dimmick.

From Red Mills east along highway to Chipman.

Red Mills, 6.93 miles east of, in foundation wall of residence of Alvia Martin, west end of south face; bronze tablet stamped "348 Albany 1903 Adj."______

348. 175

¹ See Bull. 514, p. 60, for other elevations.

REMSEN QUADRANGLE.

[Latitude 43° 15'-43° 30'; longitude 75'-75° 15'.]

Precise leveling in 1900 by C. H. Semper.

From Remsen	elong the	Pome We	tartarm &	Ordenchure	TP 1	R to	Limerick

Remsen, between lower milldam and Rome, Watertown & Ogdens-	
burg R. R., north end of retaining wall, in end of coping, face	Feet.
near corner; bronze tablet stamped "1172"	1, 171. 464
East Steuben, in front of station; top of rail	1, 247. 7
Steuben, at road crossing near station; top of rail	1, 273. 4
Alder Creek, milk station, 100 feet south of railroad station, west	
side of railroad, in south end (east face) of wall; bronze tablet	
stamped "1253 Albany 1900"	1, 254, 385

Primary leveling in 1897 by E. L. McNair, Clark Brown, and L. T. Haney.

From South Trenton via Prospect, Hinckley, and Northwood to point near Wilmurt.

Trenton, Rome, Watertown & Ogdensburg R. R. station, south doo of waiting room, 0.42 foot west of door jamb; water table	
Prospect station, Rome, Watertown & Ogdensburg R. R. crossing ove	Climbanat
highway, just north of, on lower step of south abutment, east side	
chiseled square	_ 984.93
Prospect post office, 0.22 mile north of, in field opposite creamery and	dist many
east of road, in boulder 3 by 7 by 12 feet; copper bolt stamped	deminer the b
"1142 R"	1, 141. 105
Hinckley, 0.25 mile west of Empire Hotel, stone culvert north side o	figiciant
road, on east end of wall; chiseled square	1, 181. 05
Hinckley, 2.3 miles northeast of, and about 1.1 miles west of Oneida	Wall Runs
Herkimer county line, in Remsen Township, 55 feet from road cen	distant To
ter, in pasture, west side of road, in boulder; copper bolt stamped	11 /58iveno
"1262 R"	1, 261, 647
Northwood, on stone abutment at northwest corner of iron bridge	e
over stream at sawmill; chiseled square	1, 207. 49
Northwood, 2.8 miles east of, 3,450 feet west of abandoned house	
south of road, 7 feet north of center of road, on large boulder	
copper holt stamped "1258 R"	1, 257, 696

From Ohio south to Poland.

Ohio, 2.6 miles southwest of, on stone foundation at northeast corner	
of iron bridge over Black Creek; chiseled square	1, 236. 15
Cold Brook, 3.4 miles north of, 3.6 miles south of Ohio, 480 feet south	
of road from southwest and 1 mile south of crossing of Black Creek,	
in Prussian Township, on west side of road, 3 feet from wire fence;	
copper bolt stamped "1265 R"	1, 264. 710

From Prospect north along New York Central & Hudson River R. R. to Forestport.

Prospect, 1,000 feet northeast of station, on Hinckley Branch Ry., on	
parapet north side of culvert, on northwest corner of coping; chisel	
mark "O. B. M. 55"	1, 146. 83

Remsen, north end of retaining wall between lower milldam and Rome, Watertown & Ogdensburg R. R., in end of coping near face corner; bronze tablet stamped "1172"	Feet.
Honnedaga station, 0.25 mile north of, 40 feet west of track, opposite cattle guard, in boulder 6 by 15 feet; copper bolt stamped "U. S.	
G. S. 1209 R " Forestport station, 2 miles south of, north end of Black River (res-	1, 208. 354
ervoir) bridge, on west end of coping of parapet; chiseled square Forestport, 0.3 mile north of station, at Meekville, north end of rail- road bridge over Little Woodhull Creek, west end of parapet cop-	
ing; copper bolt stamped "U. S. G. S. R 1199 Ft. B. M."	
From Forestport along road east to Enos, thence northeast to Atwell.	
Enos, 0.7 mile southeast of, Oneida-Herkimer county line, at forks of roads to northeast and to Maple Lake; top of stone	1, 387. 80
Maple Lake, outlet of. 1 mile southeast of Enos, west abutment of bridge; copper bolt stamped "1318 U"	1, 317. 970
copper bolt stamped "1598 R"	1, 597. 267
REXVILLE QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 77° 30'-77° 45'.]	
Leveling in 1916 by K. E. Schlachter.	
Along highways near east border of quadrangle.	Mohawk.
Jasper, 5 miles south of, at road corners, in root, west side of maple on west margin of road; copper nail and washer painted "t. b. m. 1927.3"	
Jasper, 3.8 miles south of, in east end of culvert, 50 feet south of Homer Foster's house; bronze tablet stamped "1826"	1, 825. 507
Jasper, 1.7 miles south of, on west side of bridge over Middle Branch of Tuscarora Creek; chiseled circle painted "t. b. m. 1708.1"	1, 707. 69
Jasper, in east end of south abutment of bridge over Tuscarora Creek; bronze tablet stamped "1578"	1, 577. 619
Jasper, 1 mile north of, at road forks, in east end of culvert; chiseled	
Jasper, 2.1 miles north of, at road corner east, in root on west side of 15-inch maple, 20 feet west of road; copper nail painted "t. b. m.	1, 819. 29
Jasper, 2.6 miles north of, on top of burnt stump in northwest quad-	1, 902. 02
rant of road corner west; copper nail and washer painted "t.b.m. 2054.7"	2, 054, 16
RHINEBECK QUADRANGLE.1	Perpitury .
[Latitude 41° 45′-42°; longitude 73° 45′-74°.]	
Primary leveling in 1899-1900 by Seth Van Loan and in 1900 by W. S. D. Moore.	
From Pleasant Valley northeast to Clinton Corners, thence south to Wash-	
ington Hollow.	
the state of the s	Sterleville,

Clinton Corners, north end of west abutment of bridge over Salt Point Creek, in coping stone; bronze tablet stamped "Albany 244" Hibernia, south abutment, near end of truss bridge over creek; point on east side	Feet. 244, 735
on east side	251. 43
From College Point north along West Shore R. R. to Kingston.	
College Point, 180 feet north of "Watchman's Box," on east end of north wall of culvert; chisel mark	65. 42
West Park, West Shore R. R. station, in north wall at northwest corner; bronze tablet stamped "113 Albany"	113, 842
Esopus, at crossing; top of rail	117.3
Esopus, 0.7 mile north of, south abutment, on east end of bridge; chiseled mark	122, 16
Ulster Park, 300 feet south of station, at crossing; top of rail	149.7
Port Ewen, 500 feet south of station, at crossing; top of east rail	160
RICHFIELD SPRINGS QUADRANGLE.	
[Latitude 42° 45′-43°; longitude 74° 45′-75°.]	
Primary leveling in 1899 by A. W. Gill and W. W. Gilbert.	-
From Mohawk southeast to Paines Hollow, thence east to Newville, thence via Indian Castle to Little Falls.	1
Mohawk, 3.9 miles southeast of, Gilbert Day's stable, southwest corner of foundation; aluminum tablet stamped "719 Albany"Paines Hollow, 0.1 mile west of post office, southwest corner of Dr. Henry Green's stable; aluminum tablet stamped "1133 Albany" 1 Newville, southeast corner of stone mill belonging to Messrs. Lewis & Spoor; aluminum tablet stamped "552 A"	719. 230 , 133. 300 552. 700
From Paines Hollow south through Jordanville to Richfield Springs.	
Richfield Springs, 1 mile northeast of, highway bridge at three corners, at center of east parapet wall, on coping stone; chisel mark_ 1 Richfield Springs, northwest corner of Gould Avenue and Church Street, southeast corner of Universalist Church; aluminum tablet stamped "1327 Albany"1	
From Richfield Springs east via Warren to East Springfield.	
Springfield Center, foundation of Baptist Church; aluminum tablet stamped "1257 Albany"1	. 257. 736
East Springfield, west side of stone building used as post office; aluminum tablet stamped "1324 Albany"1	
From Newville via Starkville to East Springfield.	
Starkville, Abram De Garno's mill, in wall 1 foot east of northwest corner of building, 4 feet above ground; aluminum tablet stamped "692 Albany"	692. 500

RICHMONDVILLE QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 74° 30'-74° 45'.]

Precise leveling in 1898 by E. L. McNair.

From Worcester northeast along Delaware & Hudson R. R. to Cobleskill.	10.173
Worcester, in front of Delaware & Hudson station; top of north rail_ East Worcester, 0.75 mile west of, north end of center pier of railroad	Feet. 1, 306. 4
bridge or large culvert; aluminum tablet in capstone stamped	
East Worcester, in front of Delaware & Hudson station; top of north rail	
Richmondville, 0.6 mile west of, northeast corner of Delaware & Hudson R. R. bridge No. 31, in coping stone of east abutment wall; bronze tablet stamped "1224 A"	1, 223. 062
Richmondville, in front of Delaware & Hudson station; top of south	1, 185. 9
Cobleskill, 1 mile west of, south end of culvert at west side of road crossing; chiseled square	
Primary leveling in 1901 by William Kelley and in 1902 by W. E. Green.	
From North Kortright northwest to Fergusonville, thence northeast to Charlotteville, thence north to East Worcester.	
South Worcester, 6 feet north of southeast corner of Olmstead & Sturges's store, east side of foundation wall; aluminum tablet	
stamped "1373 Albany 1901"East Worcester, in front of station; top of east rail	1, 427. 63
East Worcester, 0.75 mile west of station (precise line), north end of culvert; tablet stamped "1406 Albany 1901"	
From Charlotteville northeast to Summit, thence south to Stewart post office (single-spur line).	
Summit, south side wall of Jump & Havens's drug store; bronze tab-	
let stamped "2108 Albany 1902"Stewart, in southeast corner of post office (Martin Vroman's house);	
bronze tablet stamped "1364 Albany 1902"	
From Cobleskill northwest along the Cherry Valley branch of Delaware & Hudson R. R. via Hyndsville and Seward to Sharon Springs.	
Hyndsville, in front of passenger room; top of high rail	1, 115. 6
Seward, in front of passenger-room door; top of rail Seward, in front of wall of general store; bronze tablet stamped	
"1186 Albany 1902" Hanson's crossing; top of rail	
From Seward west along public road to South Valley (single-spur line).	2, 211, 0
South Valley, Christian Church; bronze tablet stamped "1563 Albany	
1902 "	

RIDGEWAY QUADRANGLE.

[Latitude 43° 15'-43° 30'; longitude 78° 15'-78° 30'.]

Primary leveling in 1896 by E. L. McNair.

On circuits tied to canal bench marks.

Jeddo, 153 feet from doorway of Adventist Church, 50 feet from door-	
way of schoolhouse, in road corners, in top of boulder 3.3 feet high;	Feet.
copper bolt stamped "421"	419. 927
Oak Orchard, 6 feet from southwest corner of iron bridge across Oak	
Orchard Creek, 1.000 feet east of post office, in abutment; copper	
bolt stamped "370"	369. 588
Eagle Harbor, Gaines Town, Erie Canal bridge 131, in lower step of	
east wing, towpath side; copper bolt stamped "516" (Barge	
canal 516.899)	515. 715

RIVERHEAD QUADRANGLE.

[Latitude 40° 45'-41°; longitude 72° 30'-72° 45'.]

Primary leveling in 1903 by George Seidel.

From Riverhead southwest to Eastport.

Riverhead, northeast corner of courthouse, in brick foundation;	
aluminum tablet stamped "28 Willets Pt."	27. 862
Eastport, 225 feet north of railroad station, south side of road to	
Speonk; iron post stamped "29 Willets Pt."	29. 780

ROCHESTER QUADRANGLE,1

[Latitude 43°-43° 15'; longitude 77° 30'-77° 45'.]

Precise leveling in 1901-2 by D. H. Baldwin.

From Charlotte south along New York Central & Hudson River R. R. to Rochester.

Charlotte, 0.22 mile northeast of New York Central station, old light-	
house, upper side of water table at south-southeast angle, east of	
the south window; chiseled cross (U. S. L. S. B. M.)	283, 168
Barnard, crossing; top of northwest rail	401.4
Little Ridge crossing; top of west rail	432. 1
Rochester, Ridgeway Avenue, or Big road crossing; top of west rail	472.1
Rochester, highway bridge 87, over barge canal, south abutment, east	
wing; chiseled square on lowest step	512, 22
Rochester (State engineer's bench mark 457), Rowe Street bridge 86,	
near towpath, on foundation under east tower; chiseled square	512.64
Rochester, Rowe Street bridge (Buffalo, Rochester & Pittsburgh	
Ry.), southwest corner, on parapet stone; chiseled square	527. 10
Rochester, Buffalo, Rochester & Pittsburgh Ry. bridge over Niagara	
Falls R. R., southwest corner, on parapet wall; chiseled square	548. 81
Rochester, Buffalo, Rochester & Pittsburgh Ry. bridge over New York	
Central R. R.; top of west rail	561.5
Rochester, grade crossing of Buffalo, Rochester & Pittsburgh main	
line over Pennsylvania (branch) R. R.; top of rail	543. 4

¹ See Bull. 514, pp. 94-95, for other elevations.

South along Pennsylvania R. R. to Scottsville.

Darkerton 0.00 mile couth of Duffele Decheston & Dittsburgh Dr	
Rochester, 0.22 mile south of, Buffalo, Rochester & Pittsburgh Ry. crossing, west of track, near north end of stone culvert; chiseled	Feet.
square	538. 32
Genesee Junction, West Shore R. R. bridge, northeast corner, near	
northwest corner of parapet stone; chiseled square	524. 75
Genesee Junction, in front of station; top of east rail	526. 0
Genesee Junction, 1.49 miles south of, southeast corner of small bridge	
over old canal, coping of foundation wall; chiseled square	525. 90
Whites, road crossing, near flag station; top of east rail	527. 1
Whites, 0.72 mile south of, old lock, west side wall, south quoin be-	
tween anchors; chiseled square	530. 93
Severance, in front of flag station; top of east rail	532. 6
Severance, 640 feet south of, northwest corner of bridge over canal, on	221
coping stone; chiseled square	531. 38
Severance, 2.23 miles south of, northeast corner of highway bridge	Mountail
over canal, on coping stone; chiseled square	534. 53
Scottsville, 800 feet north of station, south side of creek overflow	
dam, on top of stone pier; bronze tablet stamped "537 Rochester	535, 447
1902 "Scottsville, in front of station, main track; top of west rail	538. 4
Scottsville, in front of station, main track; top of west ran	990. 4
Primary leveling in 1898 by C. H. Semper.	
From Charlotte east along the Rome, Watertown & Ogdensburg R. R. to Forest-	
lawn.	
Ch. 1.11	- Street
Charlotte, upper side of water table of old lighthouse, at southeast angle east of the south window; chiseled circle (U. S. Engineer	
Corps bench mark No. 1)	283, 168
Charlotte, Genesee River, railroad swing bridge over, on southwest	200. 100
corner of west abutment of bridge, on top of parapet wall;	
	257. 16
chiseled square	257. 16
chiseled square Windsor, station of Rome, Watertown & Ogdensburg R. R., cement	257. 16 278. 46
chiseled square	
chiseled square	278. 46
chiseled square	278. 46
chiseled square	278. 46
chiseled square	278. 46 270. 2 252. 23
chiseled square	278. 46 270. 2
chiseled square	278. 46 270. 2 252. 23 266. 40
chiseled square	278. 46 270. 2 252. 23 266. 40
chiseled square	278. 46 270. 2 252. 23 266. 40
chiseled square	278. 46 270. 2 252. 23 266. 40
Chiseled square Windsor, station of Rome, Watertown & Ogdensburg R. R., cement foundation of first post of building east of station; chiseled square_ Irondequoit, in front of Lake Shore Hotel; top of rail Irondequoit Bay, Rome, Watertown & Ogdensburg R. R. bridge over outlet of, fourth step of east abutment, north side of track, on northeast corner; chiseled square Forestlawn, 0.8 mile west of, railroad bridge over Webster road, on west abutment, north side of top step; chiseled square ROSENDALE QUADRANGLE. [Latitude 41° 45'-42°; longitude 74°-74° 15'.] Primary leveling in 1900 by W. S. D. Moore and in 1901 by W. E. Greene. From Kingston west along the Ulster & Delaware R. R. to Brodhead.	278. 46 270. 2 252. 23 266. 40
Chiseled square	278. 46 270. 2 252. 23 266. 40
Chiseled square	278. 46 270. 2 252. 23 266. 40
Chiseled square Windsor, station of Rome, Watertown & Ogdensburg R. R., cement foundation of first post of building east of station; chiseled square_ Irondequoit, in front of Lake Shore Hotel; top of rail	278, 46 270, 2 252, 23 266, 40
Chiseled square	278, 46 270, 2 252, 23 266, 40 223, 760 155, 94
Chiseled square	278. 46 270. 2 252. 23 266. 40

Russell, 1.7 miles northwest of, along State road to Hermon, 350 feet east of water trough, in south side of concrete culvert; chiseled	Feet.
squareRussell, 0.9 mile west of, along State road to Hermon, in north side	617. 01
of concrete culvert; chiseled square	571. 50
Russell, in bridge over Grass River, in east side of center pier; bronze tablet stamped "580"	579. 804
Palmerville (Gate's mill), 350 feet north of bridge over Plum Creek, in east side of concrete culvert; top of pebble in chiseled circle	592. 63
Palmerville (Gate's mill), 1.4 miles south of, 500 feet south of road	3 8 month
fork, in west side of concrete culvert; chiseled square————————————————————————————————————	629. 82
fence, in ledge east of road; bronze tablet stamped "645"	644, 354
South Russell, 0.9 mile north of, 280 feet south of corner, in east side of concrete culvert; chiseled square	697. 02
South Russell post office, 200 feet south of, at road corner, in south-	
east corner of boulder; bronze tablet stamped "Prim. Trav. Sta. 715"	714. 674
South Russell, 0.9 mile south of, at Silverhill Road corner (Offutt's Corner), on west side of road, 7 feet south of concrete culvert, on	
rock; chiseled circle	718. 20
Offutt's Corner, 0.8 mile south of, 350 feet south of road, on boulder on east margin of road; chiseled circle	786, 63
School 5 (Russell), 1.5 miles north of, on boulder in west margin	
of road; chiseled squareSchool 5 (Russell), 1 mile north of, at corner, on rock; painted circle_	920. 71 903. 93
School 5 (Russell), 600 feet south of, 90 feet south of house, in	1 009 04
rock in west margin of road; chiseled square Dranes Corner, 0.4 mile north of, in boulder in west margin of road;	IR COUNTY
bronze tablet stamped "1014"	1, 013. 081
chiseled square	1, 011. 77
Dranes Corner, 1.6 miles south of, 100 feet north of divide, in boulder in east margin of road; bronze tablet stamped "1104"	1 102 705
Square House Corner, 1.1 miles north of, at road fork, on boulder	all Transaction
in fork; chiseled circle	1, 027. 88
road; painted circle	1, 014. 98
From point 3 miles south of Russell southwest along highway to Edwards.	
Hughesville school (Russell 4), 0.5 mile west of, on boulder in north margin of road; chiseled circle	696. 12
Belleville Corner, 0.9 mile east of, in ledge in south margin of road;	
chiseled square	687. 60
intersection, in west side of concrete culvert; bronze tablet stamped	Dispression in the last of the
"687"Edwards, 3 miles northeast of, 700 feet south of road west, on ledge	686. 220
in west margin of road; chiseled circle	649. 44
chiseled circle	653. 24

From Hermon along highways east to point near West Pierpont, thence south to Degrasse, thence southwest to point near Russell school.

Hermon, 1 mile east of, 400 feet east of house, on boulder in north margin of road; chiseled circle	Feet. 632, 38
margin of road; chiseled circle	052, 50
Brownsville, Wood Bridge (2.4 miles east of Hermon), in south side	
of center pier of bridge over Grass River; bronze tablet stamped	F94 F00
" 532 "	531. 709
Gibbs school, 0.2 mile west of, 250 feet east of cheese factory, in	
boulder in north margin of road; chiseled circle	674. 37
Moore's Corner, 1.1 miles west of, 350 feet east of crossroad, in boulder	
in south margin of road; chiseled circle	741. 27
Moore's Corner, 0.4 mile west of, in boulder in south margin of road;	
bronze tablet stamped "Prim. Trav. Sta. No. 5, 673"	673. 039
Moore's Corner, in ledge opposite T road; chiseled circle	687. 57
Star school, 0.9 mile southwest of, at corner, 20 feet north of T road,	
on small boulder 50 feet west of intersection; chiseled square	739. 65
Star school, 0.25 mile southwest of, at corner, 50 feet south of inter-	nin Sula
section, in boulder in west margin of road; bronze tablet stamped	
	761, 287
"761"Stone school, in southwest corner of crossroads at, in boulder; chis-	101. 201
Stone school, in southwest corner of crossroads at, in bounder; chis-	070 00
eled circle	872. 32
Clare Town Hall, 1 mile north of, 0.4 mile north of road west, in	
boulder in east margin of road; bronze tablet stamped "877"	876. 509
Clare Town Hall, 150 feet north of, in southeast abutment of bridge	
over Buck Brook; chiseled circle	803. 80
Clare Town Hall, 0.7 mile south of, 800 feet south of church, in west	
side of concrete culvert; chiseled square	808. 71
Clare cheese factory, 850 feet south of, 75 feet north of road west, in	
west side of concrete culvert; bronze tablet stamped "816"	815, 798
Clare school 1, 100 feet south of, on west side of concrete culvert;	
chiseled square	815, 47
Clare, 650 feet north of Middle Branch bridge, in east side of con-	Validation of
crete culvert; bronze tablet stamped "Prim. Trav. Sta. No. 7,	
	828, 534
829" Read Private of heider and Charge Pines.	040, 954
Degrasse, at road fork, 0.1 mile north of bridge over Grass River,	074.00
on ledge; chiseled circle	854. 36
Degrasse, at crossroads, 200 feet west of school, on north side of con-	
crete culvert; chiseled square	868. 12
Degrasse, 0.7 mile south of, at corner, on rock in west margin of	
road chiseled circle	928. 27
Degrasse, 1.7 miles southwest of, in southeast abutment of bridge	
over Plum Creek; bronze tablet stamped "904"	903, 922
The second secon	
From Degrasse southeast along highway to point 0.9 mile east of Clifton.	
Tiom ToPresso Softenones group well and an borne are mine of Arrest	
Degrasse, 1.6 miles southeast of, along road to Newbridge, on boulder	
in north margin of road; chiseled circle	946, 92
Clifton, 0.1 mile southeast of, in south side of concrete culvert;	0.00
bronze tablet stamped "963"	963, 223
Chicken 0.0 mile continued of in north side of consists only out.	000. 220
Clifton, 0.9 mile southeast of, in north side of concrete culvert;	1 025 40
chiseled square	1, 055. 40

Near Edwards.

Edwards, 1.08 miles northeast of post office, on boulder 20 feet east of center of road; chiseled square	Feet. 653, 24
Edwards, 2.23 miles northeast of, in front yard of James W. Davis's	
residence, in granite boulder, 30 feet from road; bronze tablet stamped "634"	634. 206
Edwards, 3.4 miles northeast of, on rock midway between road and	Covinguo
E. Bancroft's barn; chiseled square	729. 45
From point near Trout Lake to point near Hermon.	
Trout Lake, 1.91 miles northeast of schoolhouse, 260 feet north of	
E. Taylor's house, 6 feet east of road, on granite ledge; chiseled	rebland
SquareHermon, 3 miles south of, at Porter Hill crossroads, 35 feet south of	704. 30
intersection, 6 feet west of road, in granite outcrop; bronze tablet	d molocett
stamped "701"	700. 934
Marshville, 0.8 mile south of, 375 feet north of road to east, on rock,	585, 58
6 feet east of road; chiseled square Marshville, 450 feet north of crossroads, on west side of concrete cul-	909, 90
vert; chiseled square	493. 32
Hermon, 0.5 mile west of, at first crossroads out of town, 25 feet south	496, 678
of intersection, 12 feet east of road; bronze tablet stamped "497"	490.018
Leveling in 1916 by F. L. Shalibo.	
From near Sellecks Corners southwest along highways to Clare.	
Sellecks Corners, 1.6 miles west of, at east edge of bog, on northwest	West Salar
side of road, in rock; chiseled square marked "t. b. m. 958.3" Sellecks Corners, 2.7 miles southwest of, at three corners, in front of	958. 79
M. Austin's residence, in large rock; bronze tablet stamped	
"P. B. M. 1013"	1, 013. 652
Sellecks Corners, 3.7 miles southwest of, at foot of hill, on cement culvert; chiseled square marked "t. b. m. 828.1"	828, 68
Sellecks Corners, 4.6 miles southwest of, 100 feet below A. Garnard's	020, 00
residence, on opposite side of road, in rock; chiseled square marked	y serond
"t. b. m. 823.6"Clare, 150 feet north of Town Hall, in southeast abutment of bridge	824. 14
over Book Brook; chiseled circle marked "t. b. m. 803.8"	803. 80
ST. REGIS QUADRANGLE.	
[Latitude 44° 15'-44° 30'; longitude 74° 15'-74° 30'.]	
Precise leveling in 1900 by C. H. Semper.	
From Blue Pond along New York & Ottawa R. R. to Brandon.	Phopomonia,
Blue Pond, in front of station; top of rail	1, 552. 7
Blue Pond, 5 miles north of, 1,300 feet north of milepost "T. 18 & O.	
110," in large boulder 10 feet west of track; bronze tablet stamped "1551 Albany 1900"	1, 551, 259
Brandon, in front of station; top of rail	
Brandon, 1 mile north of, 0.4 mile north of milepost "T. 23 & O.	
105," in large boulder 10 feet west of track; bronze tablet stamped "1595 Albany 1900"	1, 594, 129
1000 Minding 1000	_,

Primary leveling in 1901 by C. H. Semper and in 1902 by George Seidel.	
From Saranac Junction southwest along the New York Central R. R. to Tun Lake Junction.	pper Feet.
Saranac Inn, in front of station; top of rail	
Saranac Inn, 1.7 miles west of, 200 feet south of milepost (Herkin	
146), in middle of rock cut; aluminum tablet stamped "1632	
Covington 1901 "	
Floodwood, at road crossing; top of rail	
From Paul Smith station west along public roads via Paul Smith post office Brandon,	
Paul Smith roat office (Corning Point) 000 feet couth of stone	In the Parking
Paul Smith post office (Corning Point), 900 feet south of store, boulder, aluminum tablet stamped "1632 Ft. Covington"	
Paul Smith post office, 2.8 miles west of, at power house; norther	
corner of concrete dam	
Brandon, in front of station; top of rail	
101 101	1,000.0
At Wawbeek,	
Wawbeek, 100 feet west of road corners, at south side of road,	in /
boulder; aluminum tablet stamped "1650 A"	1,650.771
M. P. C. Philip & S. P. Land and C. M. Land and C. P. P. C. Philips II.	ingfills v; 1) dy
SALAMANCA QUADRANGLE,	ID-(M) answerst
[Latitude 42°-42° 15'; longitude 78° 30'-78° 45'.]	
Precise leveling in 1898 by E. L. McNair.	
From West Salamanca southeast along Erie R. R. to Allegany.	
West Salamanca, in front of flag station; top of rail	1, 372, 6
Salamanca, in front of Erie station; top of rail	
Salamanca, Union School building on Maple street, in water table	
right of entrance; aluminum tablet stamped "1391 Dunkirk 1899	"_ 1, 391, 485
Killbuck, in front of flag station; top of rail	1, 385. 6
Carrollton, in front of station; top of rail	1, 391. 0
Carrollton, 475 feet east of Erie station, west pier of Buffa	
Rochester & Pittsburgh Ry. iron bridge crossing over Erie trac	
bronze tablet stamped "1393 D"	
Vandalia, in front of Erie station; top of rail	
Allegany, 1.8 miles west of Erie station, on stone arch culvert un	
Erie R. R., 75 feet east of road crossing, south end of next to	
step; bronze tablet stamped "1408 D"	1, 408. 938
Primary leveling in 1897 by E. L. McNair.	
From South Vandalia southeast through Chipmunk oil fields to Knapp Cre	eek.
Chipmunk, 0.8 mile south of, 55 feet south of road east and 140 f	eet
north of M. Kelly's white house, 2 feet outside of fence on west s	
of road; copper bolt in boulder stamped "1529 Ft. S"	
Carrollton south via Limestone to New York-Pennsylvania State line.	
South Carrollton, 1.2 miles south of, iron highway bridge cross	ing
Allegheny River, on bridge abutment 8 feet from southeast corne	
chiseled square	1, 397. 23

South Carrollton, 2 miles south of, 4 miles north of Limestone, in large boulder nearly buried in ground on west side of road, between	
it and ditch, near entrances to pasture fields on each side of road;	Feet.
copper bolt stamped "1410 Ft. S"	1, 405. 118
Limestone, 2 miles south of, 9 feet from southwest corner of iron bridge over stream just inside State line, in stone abutment;	
chiseled square	1, 413. 47
Limestone, 2.3 miles south of, on west side of road, near oil derrick, opposite telephone pole 6050, on top of State-line monument;	
chiseled square	1, 450. 85
Killbuck northeast to Great Valley, thence east to Humphrey.	
Killbuck, 3.9 miles north of, at southwest corner of iron bridge across	
Wrights Creek at about 0.25 mile above its junction with Great Valley Creek, in stone abutment; copper bolt stamped "1456	
Ft. S"	
Great Valley, 2.52 miles southeast of, northwest corner of iron bridge	From Elening
across Wrights Creek, near a white church, on stone abutment;	
chiseled square	1, 513. 61
Humphrey, 1.7 miles west of, 4 feet from southeast corner of iron	d 1980 70
bridge across Wrights Creek, on stone abutment; chiseled square	
Humphrey, W. J. Sherman's hotel, in stone doorstep in front of porch, west side; copper bolt stamped "1626 Ft. S."	1 691 444
porch, west side; copper boit stamped 1020 Ft. S.	1,021. 111
SANGERFIELD QUADRANGLE.	
[Latitude 42° 45′-43°; longitude 75° 15′-75° 30′.]	
Precise leveling in 1901 by D. H. Baldwin. From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston.	
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater cross-	Tertifyed Albert Liov Spring Liov Shales Shales
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square.	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square. Primary leveling in 1964-5 by G. M. Dimmick. From Richfield Junction along Delaware, Lackawanna & Western R. R. southwest via Waterville and New Brookfield to Poolville.	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square. Primary leveling in 1904-5 by G. M. Dimmick. From Richfield Junction along Delaware, Lackawanna & Western R. R. southwest via Waterville and New Brookfield to Poolville. Paris station, in foundation wall of the residence of J. W. Pugh, east end of north face; bronze tablet stamped "1423 1903 Adj". Waterville, 150 feet west of station, in foundation wall of N. C. Bohn	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square. Primary leveling in 1904-5 by G. M. Dimmick. From Richfield Junction along Delaware, Lackawanna & Western R. R. southwest via Waterville and New Brookfield to Poolville. Paris station, in foundation wall of the residence of J. W. Pugh, east end of north face; bronze tablet stamped "1423 1903 Adj". Waterville, 150 feet west of station, in foundation wall of N. C. Bohn & Son's shoe shop, south end of east face; aluminum tablet stamped	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square. Primary leveling in 1904-5 by G. M. Dimmick. From Richfield Junction along Delaware, Lackawanna & Western R. R. southwest via Waterville and New Brookfield to Poolville. Paris station, in foundation wall of the residence of J. W. Pugh, east end of north face; bronze tablet stamped "1423 1903 Adj". Waterville, 150 feet west of station, in foundation wall of N. C. Bohn & Son's shoe shop, south end of east face; aluminum tablet stamped "1237 Albany Adj".	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21 1, 423. 286
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater, thence along Unadilla Valley Ry. to West Edmeston. Richfield Junction, 2.84 miles south of, at North Bridgewater crossing near old milk station, top of east rail. Bridgewater, in front of station; top of east rail. Leonardsville, at southeast corner of milk station, in face of corner stone of foundation; aluminum tablet stamped "1152 Albany 1901" Leonardsville, at crossing near station; top of east rail. West Edmeston, crossing; top of east rail. West Edmeston, northeast corner of highway bridge, on coping stone of east abutment; chiseled square. Primary leveling in 1904-5 by G. M. Dimmick. From Richfield Junction along Delaware, Lackawanna & Western R. R. southwest via Waterville and New Brookfield to Poolville. Paris station, in foundation wall of the residence of J. W. Pugh, east end of north face; bronze tablet stamped "1423 1903 Adj". Waterville, 150 feet west of station, in foundation wall of N. C. Bohn & Son's shoe shop, south end of east face; aluminum tablet stamped	1, 235. 9 1, 198. 1 1, 152. 551 1, 148. 7 1, 138. 8 1, 134. 21 1, 423. 286 1, 237. 417

168 SPIRIT LEVELING IN NEW YORK, 1896–1905, 1912–1916	
North Brookfield, in foundation wall of Cedar Valley Hotel, north end of west face; aluminum tablet stamped "1201 Albany 1903 Adj"	Feet. 1, 200. 680
Hubbardsville, in foundation wall of Hotel Green, east end of north face; bronze tablet stamped "1202 Albany 1903 Adj"	
From Bouckville northeast along New York, Ontario & Western Ry. to Deansboro, thence southeast to Waterville.	
Oriskany Falls, in foundation wall of the store of E. McGlynn, east end of south face; bronze tablet stamped "978 Adj 1903" Deansboro, in foundation wall of the United States milk condensery,	978. 320
east end of south face; bronze tablet stamped "795 Adj 1903" Forge Hollow, 0.51 mile southeast of, in foundation wall of stone schoolhouse, south end of east face; aluminum tablet stamped "987 Adj 1903"	795. 020 986. 810
From Richfield Junction south along Delaware, Lackawanna & Western R. R. to Bridgewater.	
Bridgewater, in foundation wall of Congregational Church, north end of east face; bronze tablet stamped "1215 Albany 1903 Adj"	1, 215. 112
SANTA CLARA QUADRANGLE,1	
[Latitude 44° 30'-44° 45'; longitude 74° 15'-74° 30'.]	
Precise leveling in 1900 by C. H. Semper.	
From Leboeuf along New York & Ottawa R. R. to Santa Clara.	
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556	1, 555, 690
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post	
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900" Spring Cove, in front of station; top of rail Santa Clara, in front of station; top of rail Santa Clara, 0.7 mile north of, 750 feet north of milepost "T. 37 & O.	1, 342. 6
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6 1, 337. 4
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900" Spring Cove, in front of station; top of rail Santa Clara, in front of station; top of rail Santa Clara, 0.7 mile north of, 750 feet north of milepost "T. 37 & O. 91," in large rock 10 feet east of railroad; bronze tablet stamped	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900" Spring Cove, in front of station; top of rail Santa Clara, in front of station; top of rail Santa Clara, 0.7 mile north of, 750 feet north of milepost "T. 37 & O. 91," in large rock 10 feet east of railroad; bronze tablet stamped "1306 Albany 1900" SANTANONI QUADRANGLE.	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900" Spring Cove, in front of station; top of rail Santa Clara, in front of station; top of rail Santa Clara, 0.7 mile north of, 750 feet north of milepost "T. 37 & O. 91," in large rock 10 feet east of railroad; bronze tablet stamped "1306 Albany 1900" SANTANONI QUADRANGLE. [Latitude 44°-44° 15'; longitude 74°-74° 15'.] Primary leveling in 1901 by C. H. Semper. From Axton via Ampersand and Preston Ponds to Averyville. Axton, 6.5 miles east of, 0.7 mile southwest of Ampersand Lake, 450 feet west of old lumber camp, 10 feet south of road, on large rock	1, 342. 6 1, 337. 4 1, 306. 086
Leboeuf, 0.3 mile north of, in large rock 125 feet north of section post 14-15, and 50 feet east of railroad; bronze tablet stamped "1556 Albany 1900"	1, 342. 6 1, 337. 4 1, 306. 086

From Newcomb north along road toward Cold River (single-spur line).	
Newcomb, 7.3 miles north of, 0.8 mile west of Moose Pond, on road to Cold River at top of hill, 30 feet east of road, on large rock; bronze tablet stamped "1910 Ft. Covington 1901"	Feet.
From Preston Ponds south along trail and public roads via Upper Iron Works to Tahawas.	
[Excessive error distributed in this line,]	
Preston Ponds, 800 feet south of Upper Pond, on east margin of trail between Upper Pond and Henderson Lake, in face of rock; bronze tablet stamped "2180 Ft. Covington 1901"Upper Iron Works, opposite Tahawas Club house, 65 feet east of road; on large rock; bronze tablet stamped "1771 Ft. Covington	2, 179. 791
1901 "	1,770.881
SARANAC QUADRANGLE.	
[Latitude 44° 15'-44° 30'; longitude 74°-74° 15'.]	
Primary leveling in 1901 by C. H. Semper, in 1902 by George Seidel and A. P. Meade, jr.	
From Lake Placid along railroad to Saranac Lake.	
Lake Placid, 2.8 miles west of, north end of west abutment of stone culvert; top of bridge seat, chiseled square Lake Placid, 4.5 miles west of, north end of east abutment of stone culvert; top of parapet wall, chiseled square Ames Mills, at road crossing; top of rail	1, 631, 88 1, 570, 97
Saranac Lake, stone building formerly the Baptist Church, opposite Grand Union Hotel, in north face of foundation wall; aluminum tablet stamped "1549 Ft. Covington 1901"	1, 548. 97
From Saranac Lake northwest along New York Central R. R. via Lake Clear to Saranac Junction.	
Saranac Lake, in front of New York Central R. R. station; top of	1, 574, 0
Lake Clear (Saranac Junction), in front of station; top of rail——— Lake Clear (Saranac Junction), 800 feet south of station, railroad water tank, on top of southeast foundation stone nearest track; chiseled square————————————————————————————————————	1, 632. 7
From Saranac Lake southwest along State road via Ampersand Hotel to clearing (single-spur line).	Rock City
Saranac Lake, 6.4 miles southwest of, on north edge of clearing, on face of large rock; aluminum tablet stamped "1678 Ft. Covington 1901"	1, 678. 218
From Saranac Junction northeast along New York Central & Hudson River R. R. via Paul Smith station to Onchiota.	
Saranac Junction, west side of railroad, southeast corner of foundation stone of water tower; aluminum tablet stamped "1630 Ft. Covington"	1, 630. 474
Paul Smith station, road crossing at station; top of rail	1, 701. 2

Paul Smith station, 665 feet west of track, 225 feet north of road to	
post office, in boulder; bronze tablet stamped "1704 Ft. Cov-	Feet.
ington "	
Rainbow Lake, road crossing at station; top of rail	
Onchiota, 200 feet south of station, east side of track, in big boulder;	1, 100.0
aluminum tablet stamped "1710 Ft. Covington"	1 710 514
aruminum tablet stamped 1110 Ft. Covington	1, 110. 514
From Paul Smith station east along public roads to Bloomingdale, thence north	
via Vermontville to Onchiota.	
The same of the same and the same of the s	
Bloomingdale station, road crossing; top of rail	1, 555. 8
Bloomingdale station, iron bridge, 70 feet east of north side of road,	
in large boulder; aluminum tablet stamped "1530 Ft. Covington"_	1, 529. 666
Vermontville, 5.6 miles north of, road crossing, in large boulder;	
aluminum tablet stamped "1776 Ft. Covington"	1, 776. 288
PA (7)	
SARATOGA QUADRANGLE.	
[Latitude 43°-43° 15'; longitude 73° 45'-74°.]	
Precise leveling in 1899 by E. L. McNair.	
From Ballston Spa north along Delaware & Hudson R. R. to Kings.	
Ballston Spa, Saratoga County courthouse, foundation stone 4 feet	
left of main entrance; aluminum tablet stamped "320 Albany"	320, 848
Saratoga Springs, Loughberry Lake, surface of water	283. 0
Saratoga Springs, Delaware & Hudson R. R. station, 1,500 feet south	200.0
of, at east end of north abutment of steel-girder bridge over Con-	
gress Street, in coping stone; aluminum tablet stamped "314	
Albany 1899"	314, 410
Greenfield station, 0.33 mile north of, at southeast corner of stone	314, 410
culvert under railroad, in coping stone; aluminum tablet stamped	
"596 Albany 1899"	596. 343
Kings, 0.8 mile north of station, at northeast corner of stone culvert	000.010
	art of move
under railroad, in coping stone; aluminum tablet stamped "602	000 004
Albany 1899 "	602, 834
Primary leveling in 1899 by J. E. Thomas.	
to the first of the control of the c	
From Ballston Spa via Factory village to Middlegrove,	
Factory village, east abutment of bridge over creek; bench mark at	
southwest corner	354. 48
Rock City Falls, on wall of flume at Pioneer Mills, 50 feet south of	Participal Control
track; chisel mark	400. 49
Rock City Falls, southeast corner of mill, 40 feet east of stone bridge;	
aluminum tablet stamped "445 Albany"	445, 760
an authorized a strong of the constant and the second and the seco	I summer I
From East Galway east to South Greenfield.	
East Galway, in east side of foundation wall of Baptist Church;	
bronze tablet stamped "889 Albany"	889. 598
Rock City Falls, 2.5 miles northwest of, near gristmill at Middle-	000.000
grove; northwest corner of west abutment to iron bridge over	
Kayaderosseras Creek	523. 56
Middlegrove, in east end of south abutment of iron bridge over	020.00
Kayaderosseras Creek; bronze tablet stamped "523 Albany"	523. 515
Majaderosseras Oreek, bronze tablet stamped 525 Arbany	020. 010

241, 195 217, 244

208, 305 208, 396

190.870

From Hadley south to Corinth (single-spur line).

Corinth, in northwest	corner o	of Baptist	Church;	bronze	tablet	Feet.
stamped "626 Albany	"					626. 057

SCHENECTADY QUADRANGLE.1

[Latitude 42° 45'-43°; longitude 73° 45'-74°.]

Precise leveling in 1899 by E. L. McNair.

From Schnectady north along Delaware & Hudson R. R. to Ballston Lake.

Ballston Lake, 0.75 mile north of, coping stone at west end of stone	
culvert under railroad; aluminum tablet stamped "269 Albany	
1899 " (mutilated)	269. 116

Precise leveling in 1898 by E. L. McNair.

From Schenectady east along Erie Canal to point 6.5 miles east of Rexford.

Schenectady,	New York	Central	&	Hudson	River	R	. R.	bridge	over
Erie Canal	, northeas	t corner	of	coping	stone	of	abu	tment	wall;
bronze tabl	et stamped	" 242 A"							

Schenectady, 4 miles	east of,	Rexford	Feeder	bridge,	Erie	Canal;
coping 1.5 feet from	south con	rner west	abutme	nt		

Rexford, 3.5 miles east of; coping stone on south corner of east	wall of
west lock 20	

Rexford, 3.5 miles east of; top of screw bolt fastening dow	n collar of
southwest gate of west lock 20	

Rexford, 6.5 miles east of; to	p of projection of	stone on sec	ond course
of masonry at east corner of	of south abutment	of second ca	anal bridge
1 1 1 10		manne Villa	

SCHOHARIE QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 74° 15'-74° 30'.]

Precise leveling in 1898 by E. L. McNair.

From Cobleskill northeast along Delaware & Hudson R. R. to Esperance.

Cobleskill, Union school building, stone foundation at northwest corner; bronze tablet stamped "930 A"	929. 604
Cobleskill, in front of Delaware & Hudson station; top of north rail	909.1
Barnerville, crossing, on rock 50 feet north of railroad; chiseled	903, 833
Barnerville, crossing, in front of station; top of north rail	906. 1
Howe Cave, in front of Delaware & Hudson station; top of south rail_	795. 4
Howe Cave, 1.2 miles east of, bridge seat at northwest corner of	
small bridge or open culvert; bronze tablet stamped "731 A"	730. 725
Central Bridge, in front of Delaware & Hudson station; top of north	621. 1
Schoharie Junction, in front of Delaware & Hudson station; top of	021, 1
north rail	598.8
Esperance, 1,250 feet west of Delaware & Hudson station, north end	
of stone culvert under Delaware & Hudson R. R., in coping stone;	FF0 110
bronze tablet stamped "753 A"	752, 440
Esperance, in front of Delaware & Hudson station; top of north rail_	768. 0

¹ See Bull. 514, pp. 65-67, for other elevations.

Primars leveling in 1898 by Clark Brown.	
From Shutts Corners to Barnerville.	
Shutts Corners, schoolhouse; east end of doorsill	Feet. 1, 145, 97
Barnerville, 200 feet west of covered bridge, 100 feet north of Main Street, at iron bridge over mill race, south abutment, east wing; aluminum tablet stamped "A 827"	827. 253
From Barnerville east to Schoharie, thence south to Middleburg.	
Schoharie, courthouse, south side of south door in west front, beveled jamb; aluminum tablet stamped "A 611"Schoharie, 1.25 miles south of Bridge Street, on railroad bridge, north abutment, west wing, second step, domelike fossil 6 inches from	611. 077
face	609. 43
Middleburg, schoolhouse, east front, south of entrance, in foundation wall; aluminum tablet stamped "A 649"	649. 551
Breakabeen, Lutheran Church, in west foundation, 5 feet from cor-	FF4 900
ner; aluminum tablet stamped "A 754" West Fulton, iron bridge across Panther Creek, south abutment, east	754. 323
end, in coping; aluminum tablet stamped "A 1156" Vintonton, 0.25 mile south of, schoolhouse; south end of doorsill	
To their tree of more a plant marginetic pulpes also bein affilial.	1, 390. 44
From Middleburg south to Franklinton.	
Middleburg, 1.75 miles southeast of, iron bridge, north abutment, east wing, on bridge seat; chiseled square	743. 47
tablet stamped "A 1215"	1, 214. 907
SCHROON LAKE QUADRANGLE.	
[Latitude 43° 45'-44°; longitude 73° 45'-74°.]	
Primary leveling in 1896 by A. F. Krause.	
From North Creek north via Minerva to Aiden Lair.	
Minerva, in north end of picket fence southeast of Kellogg House, in large boulder 15 feet to right and 1.5 feet above road; copper bolt stamped "U. S. G. S. 1393 Ft. B. M."	1, 389, 009
Minerva, 1.75 miles north of, 80 feet east of Kellogg House, at junction of road to North Woods Club, south of schoolhouse, 26 feet to	Tippedini -
right of and 7.3 feet above center of road, in outcrop; copper bolt stamped "U. S. G. S. 1742 Ft. B. M."	1, 737. 854
SCHUNEMUNK QUADRANGLE.	
[Latitude 41° 15'-41° 30'; longitude 74°-74° 15']	
Primary leveling in 1899 by Seth Van Loan.	
From Cornwall via Newburg Junction along the Eric R. R. to Oxford.	
Cornwall, 600 feet north of, New York, Ontario & Western Ry.	
bridge, in face of west abutment; bronze tablet stamped "Albany 271"	273. 714
Mountainville, 0.5 mile north of, west end of south abutment of railroad bridge; point on bridge seat	229, 58

THEORE AND THIMANT DEVELORO.	1.0
Woodbury, 200 feet south of station; point on northeast foot blocat end of truss bridge	ck Feet. 435. 90
Central Valley, 200 feet north of station, south abutment, east en	nd
bridge seat; point on stoneCentral Valley, west of Noxon's store, in large stone in retaining wa	484, 20 all
of Finken's place; bronze tablet stamped "Albany 488" (loose). Newburg Junction, 0.5 mile north of, east end of south abutment	
railroad bridge; point on bridge seat	518. 22
Arden, 300 feet north of, north abutment of bridge over stream point on top, east end, chisel mark	522. 16
Arden, 300 feet north of station, railroad bridge over stream, in pi top, east end; bronze tablet stamped "Albany 519" (covered l	er by
dirt)	520. 695
Doyles, 0.25 mile east of, face of large boulder in road; brome tablet stamped "Albany 718" (reported destroyed)	719. 921
Turners, 300 feet west of, west abutment of bridge, on north end chisel mark	and the same of
Monroe, 0.5 mile east of, west abutment of culvert; point on to	op .
Oxford, 300 feet east of, east abutment of overhead bridge; point on north end	on
From Oxford north to Burnside, thence east to Cornwall.	19ri (18914)
Craigville, 300 feet north of, south abutment, east end of cattle past point second step from top	423. 42
Farmingdale, 500 feet north of, south abutment, east end of catt pass; point on top	379. 27
Elsmere, 0.5 mile south of, west of north abutment of cattle pas point on second step from top	372.80
Burnside, 1.25 miles east of, in west face of east abutment of concret arch railroad bridge 35; bronze tablet stamped "359 Albany"	e-
Meadowbrook, 400 feet east of; point on north end of east abutme	nt
of culvertCornwall, 0.4 mile east of, south abutment of Erie R. R. bridge	
point on coping at west endCornwall, west abutment of New York, Ontario & Western R	338. 34
bridge; point on step, north end	
SCHUYLERVILLE QUADRANGLE.1	
[Latitude 43°-43° 15'; longitude 73° 30'-73° 45'.]	
Primary leveling in 1898 by Clark Brown.	
From Schuylerville via Burgoyne and Stafford to Saratoga.	
Schuylerville, in front of station; top of rail	175.0
Schuylerville, corner of College and Green streets, school building	g, a motonic
under second window from west corner; bronze tablet stampe	
"216 A"	215. 149 192. 7
Victory Mills, in front of station; top of Fair————————————————————————————————————	et.
southeast corner of foundation of hotel, on projecting stone; chis	sel
markGates in front of station; top of rail	200, 64 234, 0
Gates in front of station; top of range	204. 0

The second secon	
Burgoyne, bridge over Saratoga Lake outlet, north abutment, east	Feet.
face, corner of coping; chiseled square	210.75
Burgoyne, road crossing at station; top of rail	217. 0
Stafford, in front of station; top of rail	209. 9
Schuyler Junction, 1.5 miles west of, double-span bridge, center pier,	005 14
southwest corner, coping; chiseled square	225. 14
From Saratoga along Fitchburg and Delaware & Hudson railroads northeast	
via Gansevoort to Fort Edward.	
Saratoga, 5.5 miles northeast of, South Wilton Church, south side	
near front, in foundation; bronze tablet stamped "327 A" (reset	Al motor
1913, elevation doubtful)	326. 192
Gansevoort, 3.75 miles south of, railroad bridge over road, outside	
anchor; bolt in southeast wall plate	308. 90
Gansevoort, Empire House, south side, near front, in brickwork;	
bronze tablet stamped "246 A"	245. 213
From Schuylerville to Champlain Canal bridge 56.	
Alleged and a language of the state of the s	
Schuylerville, Ferry Street canal bridge, towpath abutment, north	
wing, face corner, second step from bottom; chiseled cross in circle (canal bench mark 42)	105. 90
Schuylerville, 2 miles south of canal bridge 56; towpath abutment,	105. 50
north wing, face corner; chiseled cross in circle (canal bench	
mark 41)	107. 15
From Schuylerville east to Bald Mountain, thence south to Easton Corners, thence west to Sarles Ferry.	
thence west to bailes reily.	
Schuylerville, 1.5 miles north of, canal bridge 63, towpath abutment,	
south end, lower step, face corner; chiseled cross in circle (canal	on sevening
bench mark 45)	107. 36
Schuylerville, 1.75 miles north of, lock 10, coping, southeast anchor; chiseled cross in circle (canal bench mark 46)	109. 05
Middle Falls, south bank of creek, 75 feet east of covered bridge,	103.03
southeast corner of brick gristmill; bronze tablet stamped "303 A"_	302, 767
North Easton (Easton Corners), 0.1 mile north of, 10-foot arch cul-	Committee
vert, southwest wing, first stone back of arch on level with base;	
bronze tablet stamped "332 A"	331. 719
From Sarles Ferry northeast via Quaker Springs to Staffords Bridge.	
from saries ferry northeast via Quaker springs to stanords bridge,	
Sarles Ferry, opposite, on Champlain Canal, waste weir 7, north wing,	
southeast corner of coping; painted cross in circle (Canal bench	
mark 37 and Deep Waterways bench mark)	103. 195
Quaker Springs, 600 feet west of crossroads, north side of road, in	200 004
outcrop; bronze tablet stamped "321 A"Schuyler, Staffords Bridge, east end of north abutment, back corner	320, 234
of coping; chiseled square	208. 37
	1-2300017
From Bald Mountain north via Durkeetown to Fort Edward.	
Durkeetown Church, south side, 10 feet from rear corner, in stone	
foundation; brotze tablet stamped "171 A"	169. 928

677.16

680.06

690. **0**

SETAUKET QUADRANGLE.

[Latitude 40° 45'-41°; longitude 73°-73° 15'.]

Primary leveling in 1902 by A. P. Meade.

From Kin	gs Park east along	Long Island R.	R. to Port Jefferson	, thence along
	highways south t	Holtsville, the	ence west to Brentw	ood.

nighways south to Holtsville, thence west to Brentwood.	
Smithtown, southwest wing wall of big railroad bridge, cement pier, west end of bridge; bronze tablet stamped "26 Willets" Stony Brook, 300 feet east of station, 30 feet north of track, at foot of	25. 740
triple tree; top of big rock, chiseled squareSetauket, 100 feet west of station, north side of east abutment of rail-	111. 26
road bridge; top of first step below coping	.80. 70
Port Jefferson, at east end of station, railroad crossing; top of north	191.7
Port Jefferson, railroad crossing, 6 feet north of track, west side of highway crossing, 25 feet east of freight station; iron post stamped	
"192 Willets"Selden, northwest corner of Methodist Church, in brick foundation;	
bronze tablet stamped "108 Willets"	107. 61
Ruland Hill, Coast and Geodetic Survey triangulation station, 1.9 miles south of Selden; top of east stone reference post	332. 86
Holtsville, north face of brick house south of track, 150 feet east of station; bronze tablet stamped "104 Willets"	103. 728
Ronkonkoma, east end of station, in grass plot, south of highway,	
north of track; iron post stamped "108 Willets"	
From point 1.4 miles east of Brentwood north along highway to Smithtown branch.	
Hauppauge, in front of post office, road crossing; top of big milestone_ Smithtown branch railroad crossing, south side of track, east side of	59. 06
highway, west end of station; spike in telegraph pole	63, 64
From Patchogue north to Holtsville.	
Patchogue, Coast and Geodetic Survey gage bench mark 1, about 80 yards from shore, west of Ocean Avenue; 4 spikes in twin cedar	
tree (elevation given by Coast Survey)	5. 70
Patchogue, railroad freight station, north side of track, in northeast corner of brick wall; aluminum tablet stamped "15 Willets Pt."	
SILVER CREEK QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 79°-79° 15'.]	
Precise leveling in 1902 by D. H. Baldwin.	
From Angola southwest along Lake Shore & Michigan Southern Ry. to Silver Creek.	
Angola, 1.69 miles northeast of, northeast corner of trestle over cattle pass, 1 foot above track, on coping stone of wing wall;	

chiseled square_____

Angola, 0.51 mile northeast of, southwest corner of truss and stonearch bridge 228, near northwest corner of coping stone; chiseled

Angola, in front of station; top of rail_____

Marcellus, stone arch over Otisco Lake outlet (Ninemile Creek), on coping stone north of parapet wall; chiseled square_____ 611.03

651. 21

Marcellus, Main street, stone arch over Otisco Lake outlet (Ninemile Creek), in fourth coping stone east from angle at west end of	
north parapet wall, a little west of center; copper bolt stamped "U. S. G. S. B. M. 655 ft."	Feet. 651, 221
From Skaneateles southeast along highway to Marietta, thence south to Glenhaven.	Chairely Schimped Lacknowne
Clintonville, culvert under road from south, on stone at southeast	
end; chiseled square	1, 087. 37
Marietta Hotel, at corner of roads to Clintonville and Rose Hill, on foundation stone north corner of plaza; chiseled squareOtisco Lake, highway bridge below State dam, on road from Marietta	796. 15
to Amber, southwest corner of bridge seat; chiseled square Otisco Lake outlet, at west end of State dam, close to gate chamber;	776, 86
crest of spillwayOtisco Lake outlet, east wing of State dam, in south coping stone;	782. 62
copper bolt stamped "U. S. G. S. B. M. 789 ft." Borodino, 0.5 mile north of, Thorn Hill road, 215 feet south of intersection of first road running east, in sandstone boulder on east	786, 230
side of driveway; copper bolt stamped "U. S. G. S. B. M. 1021 ft."_ Spafford, in northwest corner of road crossing; water table at south-	1, 017. 634
east corner of church	
270 feet spellenet of certaphy's slore, is gradie bodder;	Newbride
From Moravia north to Cascade,	Drumani November
Cascade Hotel, 1.25 miles northwest of, in limestone boulder 10 feet southwest of bridge over small brook, on road running north and south; copper bolt stamped "U. S. G. S. B. M. 1091 ft."	
	1, 000. 201
SLIDE MOUNTAIN QUADRANGLE.	
[Latitude 41° 45'-42°; longitude 74° 15'-74° 30'.]	
Primary leveling in 1903 by G. M. Dimmick and in 1900 by W. S. D. Moore.	
From Brodhead northwest to Boiceville.	
Shokan, 0.2 mile east of station, west abutment of bridge 22, north end, bedplate; bronze tablet stamped "532 Albany"	533. 351
From Shokan to Olive City, thence southwest along highway to Samsonville, thence south to Kerhonkson, thence along railroad southwest to Napanoch.	bodynny H vhuguti
Samsonville, 50 feet south of Methodist Church, in limestone outcrop; bronze tablet stamped "855 Albany 1903"	855. 411
Kerhonkson, in water table at center of east face of New York, Ontario & Western depot; aluminum tablet stamped "254 Albany 1903"	
1 Found pagescary to establish a new heach mark at Otigge Lake outlets ald	

¹ Found necessary to establish a new bench mark at Otisco Lake outlet; old bench mark still in same position, but owing to rise in surface of water it is at times inundated. New bench mark on southwest abutment of new dam about 12 inches from batter line. Mark is 1-inch copper bolt marked "B. M.," elevation 790.15 feet. Spillway elevation of new dam is 786.6 feet.

From Napanoch northwest along highway to Eureka, thence northeast to Sundown (single-spur line).	
Lackawack, 0.3 mile northwest of, in foundation wall of Methodist Church, east face, 5 feet from southeast corner; bronze tablet	Feet.
stamped "691 Albany 1903" Lackawack, 3.61 miles northwest of, highway bridge over small	
stream; point on top of west end of south abutment Sundown, in foundation wall of Methodist Church, north end of west face; bronze tablet stamped "993 Albany 1903"	
From point west of Sundown north along highway to Denning (single-spur line).	Doundact
Denning, in foundation wall of Hotel Erts, east end of south face; aluminum tablet stamped "1965 Albany 1903"	1, 964. 941
STARK QUADRANGLE.	
[Latitude 44° 15'-44° 30'; longitude 74° 45'-75°.]	
Leveling in 1914 by K. E. Schlachter.	
From point near Clifton south along highway and log railroad to point north of Newton Falls.	
Newbridge, 3.2 miles northwest of, 50 feet west of Bristol camp, on north side of concrete culvert; chiseled square	1, 258. 63
Newbridge, 2.4 miles northwest of, at camp, in north side of concrete culvert; bronze tablet stamped "1222"	1, 221, 388
bronze tablet stamped "1237"	1, 236. 822
Newbridge, 1.3 miles south of, in east margin of track, in boulder; chiseled circle	1, 353. 51
Newbridge, 3 miles south of, on large boulder on east edge of track; chiseled circle	1, 406. 86
Leveling in 1916 by F. L. Shalibo.	
Along highways near south border of quadrangle.	
Carter station, 0.7 mile west of, 3 miles east of Cranberry Lake, 1,300 feet east of bridge over Grass River, 20 feet north of Grass River	viminiti'E co
R. R. track, in large boulder; bronze tablet stamped "Prim. Trav. Sta. No. 5, 1916, Elev. 1417"	1, 416, 635
Carter station, 0.4 mile west of, at road crossing; top of rail	
Carter station, at southeast corner of, in root of stump; copper nail marked "t. b. m. 1474.2"	1 474 96
Brandy Brook station, 350 feet west of, in foundation of switch lever	
at east end of Y; copper nail marked "1469.6"	1, 469. 61
Brandy Brook station, 1.1 miles east of, on south side of track, 100 feet west of barn of lumber camp, in root of old stump; copper nail marked "t. b. m. 1501.1"	1, 500. 16
From center of east border of quadrangle northwest along highways to South	
Hollywood, 3.8 miles north of, at Carry Falls road, on east side in large boulder; chiseled square marked "t. b. m., also primary traverse point 1376.1"	1, 376, 25
the following the first state of	ALLE STATES

McKizer's Hotel, 100 feet northeast of, in large boulder; bronze tablet	Feet.
stamped "Prim. Trav. Sta. 1356"	
McKizer's Hotel, 0.7 mile northwest of, at forks of road leading to	Soligetz C
Joe Indian Pond, on southwest side of road, in wooden stake; cop-	
per nail marked "t. b. m. 1286.6"	1, 286. 75
McKizer's Hotel, 1.9 miles northwest of, at junction of road leading to	
Sisson's residence, on southwest side of road, in root of tree; cop-	
per nail marked "t. b. m. 1222.7"	1, 222. 79
McKizer's Hotel, 3.1 miles northwest of, in southeast corner of	
foundation of George Rodwell's residence; bronze tablet stamped	1 007 710
"Prim. Trav. Sta. 1208" McKizer's Hotel, 3.6 miles northwest of, on northeast side of cement	1, 201. 112
culvert over Cold Brook; chiseled square marked "t. b. m. 1174.2"_	1 174 31
McKizer's Hotel, 4.7 miles northweest of, 500 feet southeast of Ed	none forth
Cayey residence, on northeast side of road, in root of tree; copper	
nail marked "t. b. m. 1147.7"	1, 147, 90
McKizer's Hotel, 4.9 miles northwest of, 130 feet northwest of corner,	
in cement culvert on southwest side of road; chiseled square	
marked "t. b. m. 1092.3"	1, 092. 48
McKizer's Hotel, 5.3 miles northwest of, 100 feet southwest of Cold	
Brook school district 3, in large rock; bronze tablet stamped	1 050 000
"1053" McKizer's Hotel, 6.4 miles northwest of, in base of cement bridge over	1, 053, 326
Cold Brook; chiseled square marked "t. b. m. 979.6"	979. 70
McKizer's Hotel, 6.9 miles northwest of, on base of cement bridge	0.00
over Cold Brook; chiseled square marked "t. b. m. 933.1"	933. 25
South Colton, 0.25 mile southeast of bridge over Racquette River at	
road forks, on cement culvert; chiseled square marked "t. b. m.	
948.3 "	948. 44
South Colton, on northeast corner of road opposite Catholic Church,	man and a second
in rock; chiseled square, marked "t. b. m. 912.2"	912. 33
South Colton, in foundation wall of Methodist Church, center of south face; bronze tablet stamped "A. D. J. 927 (B. 514, p. 17,	281, p. 1
elev. +0.35 foot correction)	927. 275
1 25 CH = 3 Subtraction (- 1) - 10 - 10 - 10 - 10 - 10 - 10 - 10	021.210
From Colton west along highways to Sellecks Corners and 1 mile south,	
South Colton, 1.2 miles west of, at road corners on south side of	
road, near small stream, in rock; chiseled square marked "t. b. m.	
885. 5 "	885. 89
South Colton, 2.5 miles west of, at four corners opposite Littlejohn	
schoolhouse, in bedrock; chiseled square marked "t. b. m. 994.9"	995, 32
South Colton, 3.3 miles west of, 50 feet from road on south side, at	
three corners, in large boulder; bronze tablet stamped "980	
P. B. M."	980. 850
Philips Corners, three corners, on south side of road, in rock; chiseled	
square marked "t. b. m. 1026.2"Philips Corners, 0.7 mile west of, 420 feet south of Philips tenant	1, 020. 66
house, on east side of road, in large boulder; chiseled square	
marked "t. b. m. 1014.7"	
Plumbs Corners, 1.1 miles west of Philips Corners, 300 feet south of	Well 8(0)
M. W. Davis's house, at southwest corner, in rock; chiseled square	
marked "t, b, m, 1037.2"	1, 037. 64

1,	50 Silili Enthanto II 1111 10111, 1000 1000, 1111	
Se	ellecks Corners, 140 feet east of, in yard of A. Rexford's residence, in large rock; bronze tablet stamped "P. B. M. 1014."ellecks Corners, 1.1 miles south of, on flat, at top of hill, east side	1, 014. 843
	of road in rock; chiseled square marked "t. b. m. 1,073.0"	1, 073. 54
	STARRUCCA QUADRANGLE.	
	[Latitude 41° 45′-42°; longitude 75° 15′-75° 30′.]	
	Precise leveling in 1901 by D. H. Baldwin.	
	From Cadosia to Hancock,	
	ancock, in front of Erie station, northbound track; top of north	923.7
	ancock, southeast corner of bridge 18, on foundation stone; chiseled square	912. 74
	ancock, 0.75 mile north of, southeast corner of large steel bridge 19, top of parapet wall, 6 feet east of rail; bronze tablet stamped	
	"924 Albany 1900"	924. 721
	From Hancock south along Erie R. R. to Stockport.	
H	ancock, in front of station, northbound track; top of rail	923. 7
St	ockport, in front of station, northbound track; top of railockport, 1.1 miles south of bridge 17, west abutment, south side, on top of second step; bronze tablet stamped "882 Albany 1900"	891. 9 882. 904
	Leveling in 1915 by K. E. Schlachter.	
	At Cadosia.	
1	dosia, New York, Ontario & Western Ry. (Scranton branch) bridge B1, in southeast corner of concrete abutment; bronze tablet stamped "990" (set by New York, Ontario & Western Ry. in 1912, when bridge was rebuilt; the old tablet described in Bull. 281, p. 20, was destroyed)	990, 147
	STONY CREEK QUADRANGLE.	
	[Latitude 43° 15′-43° 30′; longitude 74°-74° 15′.]	
	Primary leveling in 1896 by Clark Brown and in 1904 by L. E. Tucker.	
Fr	om Batchellerville north along road via Mud Lake to West Stony Creek, thence northeast to Knowelhurst.	
8	est Stony Creek, 4.2 miles south of, at outlet of Mud Lake, 135 feet west of log camp, on north side of road, in boulder; bronze tablet stamped "1689 Albany Adj 1903"	1, 689. 369
W	est Stony Creek, 60 feet southeast from large stone chimney on south end of hotel, 20 feet southwest of southwest corner of ice house, in rock; bronze tablet stamped "1552 Albany 1903 Adj" mowelhurst, southeast corner of foundation of Methodist Episcopal Church; bronze tablet stamped "1583 Albany"	1, 552, 773
	From West Stony Creek west via Wilcox Lake to Wells-Hope road.	
w	est Stony Creek, 3.7 miles west of, 20 feet east of south end of	

Bakertown flow dam, north side of road, in boulder; aluminum

tablet stamped "1355 Albany 1903 Adj "______ 1, 355. 079

From Gilman Lake northeast along highway to Griffin.

Griffin, 30 feet above milldam, 5 feet north of road, 5 feet south Feet. of river; copper bolt in rock, stamped "U. S. G. S. B. M. 1280 Ft."_ 1,275.948

SYRACUSE QUADRANGLE.1

[Latitude 43°-43° 15'; longitude 76°-76° 15'.]

Primary leveling in 1897 by Clark Brown and in 1902 by J. B. Maguire.

From Syracuse south to East Onondaga.

the same of the property of the same of th	
Syracuse, at Weigh lock, canal collector's office, at right of west	
entrance door, in water table; bronze tablet stamped "404 S"	404. 320
Syracuse, Geddes Street bridge 90, pier at foot of west towpath	
stairs, at southwest corner of stairway landing; copper plug	100 000
(State engineer's bench mark 305)	406. 230
Syracuse, station of Delaware, Lackawanna & Western R. R.; top of	389. 3
railOnenders Orest worth	559. 5
Syracuse, West Colvin Street bridge over Onondaga Creek, north end of west abutment, northwest corner of top stone; chiseled	
	405, 54
Syracuse, northeast corner of South Salina Street and Matson	100.01
Avenue, on stone monument; chiseled cross	418. 31
East Onondaga, northwest wing of bridge over Onondaga Creek, in	
coping; copper bolt stamped "S 422"	422, 129
coping, copper bott stamped to a service and	
From Oran northwest to Limestone Creek Aqueduct.	
A Latter (double each) even	
Manlius, 1.5 miles northwest of, at High Bridge (double-arch), over Limestone Creek, in coping 5 feet from end of southwest wing;	
copper bolt stamped "S 507"	507, 550
Erie Canal, Limestone Creek Aqueduct, southwest coping parapet on	001, 17677
west wing, towpath side; copper bolt (State engineer's bench	
mark 286)	434, 207
mark 2007	
At Constantia.	
Constantia, road crossing at station; top of rail	394
Constantia, northwest corner of foundation of Presbyterian Church;	
bronze tablet stamped "389 Albany 1903"	389. 508
TABERG QUADRANGLE.	
Fratitude 43° 15'-43° 30': longitude 75° 30'-75° 45'.1	
Primary leveling in 1902 by J. B. Maguire.	
From Camden southeast along railroad to Rome.	
Camden, southwest corner of water table of town hall; aluminum	W10.00
tablet stamped "520 Albany"	519.966
Blossvale, I. J. White's store, opposite station, in southeast corner of	420, 230
foundation; aluminum tablet stamped "420 Albany"	420, 230

From Blossvale northeast along road to West Leyden.

Point Rock, in northwest corner of foundation of post office and Feet.
general store; bronze tablet stamped "1017 Albany" 1,016.596
Point Rock, about 4 miles north of, West Leyden road, in northwest
wall of Jacob Kirk's house, facing road; bronze tablet stamped
"1493 Albany"1, 492, 340

THERESA QUADRANGLE.

[Latitude 44°-44° 15'; longitude 75° 45'-76°.]

Precise leveling in 1900 by C. H. Semper.

Near Felts Mills.

Felts Mills, south abutment of Island Bridge over north channel of	
Black River, on east end of bridge seat; bronze tablet stamped	
"583 Cape Vincent"	582. 456
Black River, in front of station; top of rail	564. 5

Primary leveling in 1900 by William Kelley.

From Limerick east via Brownville to Felts Mills.

Brownville, in front of station; top of rail	324.8
Brownville, brick schoolhouse at five corners, midway of front build-	
ing and 3.2 feet above surface of ground, in limestone foundation	
wall; bronze tablet stamped "355 Cape Vincent"	354. 243
Sanford, in front of station; top of rail	470.3
Felts Mills, bridge over north channel of Black River, on east end of	
south abutment (Island abutment); bronze tablet stamped "583	
Cape Vincent "	582, 456

From Felts Mills north to Evans Mills (single-spur line).

Evans Mills, at southeast corner of crossroads, in north face of lime-	
stone building of Wesley Rulison (post-office building), 2.3 feet east	
of northwest corner: bronze tablet stamped "431 Cape Vincent"	430.88

From Laiargeville east to Theresa.	
Lafargeville, Orleans Hotel (stone building), in southeast corner; aluminum tablet stamped "381 Cape Vincent"	380, 461
Theresa, stone high school on Main Street, in water table in north	500. 401
face and near northwest corner of belfry tower; aluminum tablet stamped "376 Cape Vincent"	375. 915
From Perch River northeast to Stone Mill post office (single-spur line).	

Stone Mill post office, north side of limestone store and dwelling of	
John Irwin, about 2.6 feet west of northeast corner; bronze tablet	
stamped "359 Cape Vincent"	358, 293

THIRTEENTH LAKE QUADRANGLE.

[Latitude 43° 30'-43° 45'; longitude 74°-74° 15'.]

Primary leveling in 1896 by Clark Brown and A. F. Krause.

From North Creek northwest to North River.

Notice, 560, feet learns of exercise to panel on beinface in accommon	
North River, 40 feet west of northwest corner of Thirteenth Creek	
bridge, 30 feet east of corner of house; copper bolt stamped	Feet.
"U. S. G. S. 1076"	1, 072. 257
North River, 300 feet west of bridge at; top of copper bolt of Adiron-	
dack Survey triangulation station 118, 1882 (said to mark Warren-	
Essex county line)	1, 080, 929
The first transfer of the first	1877
From North Creek southwest via Sodom and Bakers Mills to Mountain House.	1994 1995 1991-1995 Dec
Bakers Mill Pond, under southwest corner of bridge over North	
Creek; southwest edge of casting	
Bakers Mills, 50 feet north of blacksmith shop and 25 feet west of	_,,,,
road, in boulder 6 feet broad and 2 feet above ground; copper bolt	
stamped "U. S. G. S. B. M. 1585 Ft"	
23. Users of Ingineers, United States Army, page 600, 1888, was	
From Griffin to Mountain House.	And and a
Oregon, 2.5 miles southwest of, 300 feet northeast of Stuarts Creek	SI MANAMINA
and east of Sacandaga River point 5 feet west of road on outeron.	
copper bolt stamped "U. S. G. S. 1377 Ft. B. M"	1, 373, 140
Oregon, 1,000 feet northeast of the North House (McKlosky's) and	
150 feet north of curve to right in road, boulder 5 by 10 feet to right	correction .
of road; copper bolt stamped "U. S. G. S. B. M. 1435 Ft"	1, 431. 005
A dram seguinas adaller a ac of telloger st did with a solid	1, 101. 000
From Mountain House northwest via Thirteenth Lake and Kings flow dam to	a to idaisa
Indian Lake.	I Somment
for 1877, are based upon man low which. The elevation of count	the report
Big Shanty dam, 200 feet southeast from east end of, in boulder 3	bearing many
feet high and 8 feet broad; copper bolt stamped "U.S. G.S. 1666	
Ft. B. M "	1, 662. 383
Thirteenth Lake House, 75 feet in front of, in low flat outcrop; copper	du, doterun
bolt stamped "U. S. G. S. 1874 Ft. B. M"	1, 869. 761

TROY QUADRANGLE.1

[Latitude 42° 30'-42° 45'; longitude 73° 30'-73° 45'.]

B. M"______1, 720. 016

Kings flow dam, 500 feet northwest of bridge at, 10 feet to right of and 1 foot above road; copper bolt stamped "U. S. G. S. 1724 Ft.

DATA CONCERNING THE GREENBUSH BENCH MARK AND THE ELEVATION OF HUDSON RIVER AT ALBANY.

The Greenbush bench mark, otherwise known as the "Gristmill" bench mark, was established by the Coast and Geodetic Survey in 1857. It is a cross cut in the face of the cellar wall of an old gristmill at Greenbush, opposite Albany, and has been an important reference mark of several Government and State surveys. The elevation of this bench mark is now accepted as 13.863

¹ See Bull. 514, pp. 48-50, for other elevations.

feet, as determined by precise leveling of the Coast and Geodetic Survey in 1902 from Dobbs Ferry and not changed by the 1907 or 1912 adjustment of precise leveling. Other elevations that have been determined for this bench mark at various times previously are given in the following table taken from the 1901 Report of the State Engineer:

Table No. 5.—Elevations of the Greenbrush bench mark.

Date.	Authority.	Location of reference gage.	Elevation (feet).
1857–58 1875 1877 1889	Lieut. J. B. Williard, Corps of Engineers O. H. Tittman, Coast and Geodetic Survey Deduced from West Shore R. R. levels. Coast and Geodetic Survey (mean of two following lines)	Governors Island Weehawken	15. 37 15. 37±0. 50 14. 728 16. 01 13. 64
1893-1895. 1893-1895. 1898-99 1898-99	Coast and Geodetic Survey from Sandy Hook	Boston. Sandy Hook. From an adjusted net. do.	14. 07 13. 22 13. 732 13. 577

The elevation used for this bench mark by the U. S. Lake Survey in determination of the elevations of the Great Lakes, as published in Professional Papers No. 24, Corps of Engineers, United States Army, page 609, 1888, was 14.73 feet, which is also the value used for it by the Coast and Geodetic Survey between 1877 and 1900, by the Deep Waterway Survey in 1898–99, and by the Barge Canal Survey since 1900. The elevations given in the Report of the State Engineer for 1901 as "above mean tide New York," include this value for the Greenbush bench mark, therefore at Albany they are subject to a correction of minus 0.867 foot to accord with the 1912 adjustment value.

The elevation of Hudson River at Albany was determined from the lower miter sill of lock 1, which is reported to be a reliable reference mark. The height of mean low water above this point is given in the Report of the State Engineer for 1888, page 97, as 7.443 feet. The elevations in that report, as in the report for 1877, are based upon mean low water. The elevation of canal bench mark 4a, on lock 1, above the lower miter sill, was determined in 1901 as 23.855 feet (see elevations of these points, pages 657 and 709, Report of the State Engineer and Surveyor, 1901) and the accepted elevation of bench mark 4a, determined by precise leveling of the Lake Survey in 1902, as adjusted by the Coast and Geodetic Survey in 1903, is 16.824 feet. Mean half-tide range at Albany from Tide Tables, published by the Coast and Geodetic Survey, is 1.2 feet. Mean half-tide level at Albany is therefore 16.824-23.855+7.443+1.2=1.612 feet above mean sea level.

TULLY QUADRANGLE.

[Latitude 42° 45'-43°; longitude 76°-76° 15'.]

Primary leveling in 1897 by Clark Brown.

From East Onondaga south up Onondaga Valley to Tully.

Onondaga Castle, 30 feet north of hotel, 30 feet east of road, on well curb; chiseled square	Feet. 519. 83
Onondaga Indian Village, 0.25 mile south of road leading to South	puls Int Thin
Onondaga, 900 feet south of cemetery and 40 feet south of small	
brook, in boulder 3 feet from west road fence; copper bolt stamped	
" S 469"	468. 705

Solvay water tank, west side of road, opposite tank; chiseled squa	
on north side of rim of valve casingCardiff, 0.12 mile east of road, back of hotel, 75 feet south of broo	
boulder 6 feet broad and 2 feet high; copper bolt stamped "S 676	
Tully Center, 1.5 miles north of, 700 feet north of road west	
Vesper, 500 feet south of curve in road, on boulder in southwe corner of barnyard, west side of road; copper bolt stamped "S 819"	
Tully, 200 feet north of Hotel Slayton, in water table of brick house of	
west side of road, at southeast corner of front of house; brone	
tablet stamped "1251 S"	1, 251. 670
From Tully north to Jamesville, thence west to East Onondaga.	
Apulia station, 1 mile north of, on road to Syracuse, 500 feet north	of
white house on west side of road, 125 feet north of road summi	
copper bolt in boulder, stamped "1292 S"	
Onativia (0.8 mile east of Lafayette), engine water column at railwa station; top of anchor bolt in northwest corner of base plate	
Jamesville, 0.75 mile south of, at east end of reservoir dam, in coping	
cross mark on bronze tablet stamped "S 645"	
He siwil, along New York, Ortaria, & Wessers, Nr. & Sidney,	
TUPPER LAKE QUADRANGLE,	
[Latitude 44°-44° 15'; longitude 74°,30'-74° 45'.]	
Primary leveling in 1899 by W. W. Gilbert and C. B. Bailey.	
From Nehasane northeast along railroad to Long Lake West.	
Bog Lake, 1.25 miles north of, 35 rail lengths north of milepost 8	81
miles from Malone, 35 feet west of track, in east face of large	
boulder; stamped "1764 Albany" Long Lake West, 215 feet north of People's Hotel, 30 feet east of trac	
in west face of outcrop of rock; aluminum tablet stamped "178	
Albany"	
From Long Lake West northeast along New York Central & Hudson Riv	er
R. R. to Tupper Lake.	
Horseshoe station, 50 feet north of, 50 feet west of track, in east fac	
of large boulder 1 foot above ground; aluminum tablet stampe	
Childwood, 40 rail lengths south of station on left of track, in face of	1, 738. 177
rock cut; aluminum tablet stamped "Albany 1713"	
From Long Lake West southeast via Little Tupper Lake to Long Lake.	Maywood, M.
Long Lake West, 4 miles east of, opposite 15-mile post, 10 feet from	m
road, in southeast face of large boulder; aluminum tablet stampe	
"1839 Albany"	
Little Tupper Lake, head of, at Loomis's camp, 150 feet southeast camp, 25 feet from barn, north face of large boulder; aluminut	
tablet stamped "1760 Albany"	1, 758. 446
Little Tupper Lake, 0.12 mile east of, 115 feet west of 10-mile pos	t, milest west
8 feet north of road, 25 feet west of blacksmith shop at Moynehan	
lumber camp, west face of large boulder; aluminum tablet stampe "1739 Albany"	
1100 Albanj	1, 100. 110

UNADILLA QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 75° 15'-75° 30'.]

Precise leveling in 1898 by E. L. McNair.

From Bainbridge east along Delaware & Hudson R. R. to Unadilla.

From Bainbridge east along Delaware & Hudson R. R. to Unadilla.	Fairly (Cent
Bainbridge, 2 miles south of, northeast corner of small cattle-pass	Feet.
opening, in foundation stone; bronze tablet stamped, "978 A"	977. 676
Bainbridge, in front of station; top of north rail	1,006.2
Bainbridge, 2.75 miles east of, southwest corner of bridge 84, in coping	
stone of abutment; bronze tablet stamped "989 A"	989. 674
Sidney, 0.25 mile west of Delaware & Hudson station, at crossing of	
Delaware & Hudson and New York, Ontario & Western railroads;	
top of rail	990.9
Sidney, in front of Delaware & Hudson station; top of south rail	
Unadilla, in front of Delaware & Hudson station; top of south rail	
Unadilla, Union School building, foundation wall at left of main en-	
trance; aluminum tablet stamped "1024 A"	
Office of med the seed to top lead to thou district of	
Precise leveling in 1901 by D. H. Baldwin.	
From Holmesville south along New York, Ontario & Western Ry. to Sidney,	
thence east to Maywood (Sidney Center).	
Holmesville, 1.77 miles south of, southeast abutment of wooden rail-	
road bridge: chiseled square	1,054.54
White's Store, in front of station; top of east rail	1, 072. 8
Lathams Corners, at north crossing; top of east rail	1, 049. 9
Rockwells Mills, at crossing near station, main track; top of east	
rail	1, 055. 4
Mount Upton, Methodist Church, north side of front (east) entrance,	
in third course of foundation stone above ground; aluminum tablet	
stamped "1035 Albany 1901"	
Mount Upton, in front of station; top of east rail	1, 047. 2
Mount Upton, 2.38 miles south of, northwest corner of large iron	
highway bridge over Unadilla River, 150 feet east of track, on	
coping; chiseled square	1, 017. 07
Rockdale, in front of station; top of east rail	1, 020. 18
New Berlin Junction, at highway crossing, on New York, Ontario &	Porsessor.
Western Ry., top of east rail, main line	1, 084. 4
Sidney at junction, grade crossing of Delaware & Hudson and New	
York, Ontario & Western railways, top of rail	990. 9
South Unadilla, in front of station; top of east rail	1, 159. 3
Youngs, in front of station; top of north rail	1, 238. 3
Maywood, in front of station, top of east rail	1, 386. 5
Maywood (Sidney Center), trestle 216, under north side of third	
trestle tower from east end, in top of old pier, aluminum tablet	ATTLE PROPERTY.
stamped "1344 Albany 1901"	1, 344. 405
Primary leveling in 1900 by W. E. Green.	

Primary leveling in 1900 by W. E. Green.

From Sidney northwest along New York, Ontario & Western Ry. to Guilford.

New Berlin Junction, north side of station at railroad crossing; top		
of east rail	1,	084.4
Parker, at road crossing near station; top of rail	1,	423.0

From Flore seeds on Absolut SAMMARGATON ADDRESS.	Feet.
Guilford, at road crossing by station; top of rail	
Guilford, northwest corner of Episcopal Church, front face; alumi-	
num tablet stamped "1511 Albany"	1, 511. 722
Leveling in 1915 by K. E. Schlachter.	
From Mount Upton northeast along highway to Maple Grove.	
Mart Trans Male No. Charles to a Date of Charles to the Charles to	
Mount Upton, Methodist Church, in north side of front entrance, in third course of foundation stone above ground; aluminum tablet	
stamped "N. Y. 1035" (Bull. 281, p. 19)	
Mount Upton, 1 mile southeast of, at road fork, in east side of concrete	
culvert; chiseled circle painted "t. b. m. 1058.9"	
Mount Upton, 2 miles northeast of, in west side of concrete culvert, 300	
feet north of milestone; chiseled circle painted "t. b. m. 1036.3"	1, 036. 27
Gilbertsville, 2 miles south of, in west side of concrete culvert, 50	1 001 000
feet south of milestone; bronze tablet stamped "N. Y. 1091" Gilbertsville, 1 mile south of, 75 feet north of milestone, in west	1, 091. 260
side of concrete culvert; chiseled circle painted "t. b. m. 1122.9"	1, 122, 83
Gilbertsville, in face of east wall of bridge over Millard's Brook, at	
park, near Major's Inn; bronze tablet stamped "N. Y. 1108"	
Gilbertsville, 1.25 miles east of, on crossroad, in southeast abutment	
of bridge over Cahoon Brook; chiseled circle painted "t. b. m.	
Maple Grove, 2 miles west of, at road fork, in bowlder 3 feet inside	
of wall, in triangle 200 feet east of corner; bronze tablet stamped	
"N. Y. 1283"	
Gilbertsville, 3.9 miles east of, at road corner north, in north side of	6600, 5100
stone culvert; chiseled circle painted "t. b. m. 1359.8"	
Maple Grove, 0.9 mile south of, 150 feet west of three corners, on	
north side of road; bronze tablet stamped "1470" (set 1914)	
Leveling in 1914 by F. L. Shalibo.	ATELON ATE
Near Wells Bridge.	dominda
	OUT THE T
Wells Bridge, 1.1 miles north of, in front of O. Morgan's residence,	
in fence corner, in stone; chiseled square marked "U. S. T. B. M.	
1200"	1, 200. 20
in cement culvert; chiseled square marked "U. S. G. S. T. B. M.	
1183 "	1, 183. 30
Wells Bridge, 2.9 miles north of, 0.50 mile north of four corners at top	nor ban
of hill, in stone on west side of road; chiseled square marked	estifood
"U. S. T. B. M. 1373" Wells Bridge, 4 miles north of, 200 feet north of J. B. Wickham's	1, 373. 08
residence, on west side of road, in stone; chiseled square marked	
"U. S. T. B. M. 1325"	1, 325, 45
Hughston Corners, in front of Hughston residence, on west side of	
road, in rock; bronze tablet stamped "1379"	1, 378. 925

UTICA QUADRANGLE.1

[Latitude 43°-43° 15'; longitude 75°-75° 15'.]

Precise leveling in 1901 by D. H. Baldwin, based on Deep Waterways and State Engineer's bench marks.

organization In Utica. In small described south in the story

Utica, Deep Waterways bench mark, about 50 feet north of north bank of Mohawk River and about 830 feet northeast from northeast corner of railroad bridge over Mohawk River, Black River branch	neo Irahit perimbe
of the New York Central & Hudson River R. R.; copper nail in root of elm tree	405. 083
Utica, post office, west side of eastern of two rear entrances in basement area on building wall; bronze tablet stamped "419 feet"	
Utica, Seneca Street bridge, southeast corner of lower step, west wing towpath (north) abutment; chiseled square	
Utica, Whitesboro Street bridge, old bench mark in new position on top of southeast corner of stone platform at base of east stairs, towpath abutment, about 3 feet above towpath; chiseled circle	
stamped "B. M." on south face	431. 56
Uttca, Whitesboro Street bridge (State engineer's b. m. 222), south- west corner of stone platform base of west stairs, towpath abutment,	
3 feet above towpath; copper bolt	431. 637
towpath lock, between anchors; copper bolt	430. 410
Primary leveling in 1896 by A. B. Pomme.	
Utica, Turner Street, Herkimer-Oneida county line, on fence line be-	Magae Gro
tween the New York Central & Hudson River R. R. and trolley tracks; bronze meridian tablet	466. 329
Utica, Albany Street, Starch Factory Creek, stone-arch bridge, north abutment, west wing; northeast corner of top step	522, 90
Utica, the Delaware, Lackawanna & Western and Rome, Watertown	522. 90
& Ogdensburg railroads; northwest corner of foundation of northwest pier (New York Central & Hudson River R. R. bench mark)	408. 70
From Stewarts Corners via Moyer Creek to Frankfort.	702.6004
of solitors a chiefe described washed walled, 62-80 ft. 40 M.	
Rushmer road, first barn east of Stewarts Corners, between third and fourth telegraph poles Nos. 9588 and 9587 east of barn, on boulder half in road and half in field; copper bolt stamped "U. S.	
G. S. 1380 feet B. M."	1, 378. 477
Lock 45, canal engineer bench mark 204, at coping at end of northeast gate; towpath lock, stamped " \oplus "	427,326
	B11."
From Sauquoit east along highway to Norwich Corners.	antelested no bear
Norwich Corners, south face near east end of residence of H. A. Smith, in foundation wall; aluminum tablet stamped "1318 Adj	
1009 "	1 910 155

From Utica north via Trenton plank road to South Trenton.

Deerfield, J. A. Auert's brick building, middle door; north corner of	Feet.
stone doorsill	427.68
Salem, Welsh Church, Trenton plank road, 600 feet west from plank road, on foundation stone at southeast corner; chisel mark	815. 70
Ninemile Creek bridge, Trenton plank road, on west bridge seat,	010. 10
north abutment; chiseled square	755, 82
South Trenton, north side of road opposite west gate of cemetery, on	100.02
boulder; copper bolt stamped "U. S. G. S. B. M. 806 Ft."	803, 938
bounder, copper bott stamped C. St G. St 2. 22 000 2 to	
From South Trenton east via North Gage to Poland, thence southeast to New-	
port. A vd fort at and sector!	
North Gage Church, on southeast corner of stone step; chiseled	
square	986.00
Poland, Main Street, center of stone arch over Cold Brook, on west	200.00
coping; chiseled square	720.38
Poland, first iron bridge over Cold Brook northeast of village, in	Lieblay/
foundation stone, east abutment, north wing; copper bolt stamped	
"U. S. G. S. B. M. 800 Ft."	798. 841
Poland, 0.5 mile south of, north wing of iron highway bridge over	CITATION IN THE
West Canada Creek, on east abutment bridge seat; chiseled square_	690.86
Newport, northeast corner of Newport Bank building; water table	657. 59
Newport, stone bridge over West Canada Creek, in north coping over	
center pier, 6 inches south of square chisel mark and flush with	
coping; copper bolt stamped "U. S. G. S. 658 Ft. B. M." (reported	000 100
destroyed, 1910) Ilion, Steel Creek Aqueduct, Erie Canal, in center of third coping	656. 450
stone from west end, parapet wall, towpath side; copper bolt	
stamped "U. S. G. S. B. M. 410 Ft." (0.027 foot higher than State	
engineer's b. m. 197)	408. 574
permit the at Aria Ten at Total States and States	Eculyahi
From Frankfort to point 5.6 miles north of Frankfort in town of Schuyler.	
W. J. Chara. D. D. annesings toward growth well.	
West Shore R. R. crossing; top of south railFrankfort station, Mohawk River bridge, near north abutment, east	400. 4
wing, on bridge seat; chiseled square	398, 57
Frankfort, near station, New York Central R. R. crossing; top of	000, 01
south rail	400.00
Frankfort, 5.6 miles north of, at southwest corner of road crossing;	d 3"
iron post stamped "U. S. G. S. B. M. 580 Ft."	577. 793
AND THE PROPERTY OF THE PROPER	
WADDINGTON QUADRANGLE,1	

[Latitude 44° 45'-45°; longitude 75°-75° 15'.]

Primary leveling in 1904 by G. M. Dimmick.

From Chipman southeast to Madrid.

Chipman, in foundation wall of Scotch Presbyterian Church, center of north face; bronze tablet stamped "355 Albany 1903 ADJ"_____ 354, 953

Madrid northeast to Raymondsville.

Madrid northeast to Raymondsville.	
Madrid, 3.95 miles north of, in foundation wall of residence of N. J. Abernathy, center of east face; bronze tablet stamped "349 Albany 1903 Adj"	Feet.
Chases Mill (8 miles north of Madrid), in foundation wall of Hotel Creighton, center of south face; bronze tablet stamped "272 Albany 1903 Adj"	road, on Smealle
WALTON QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 75°-75° 15',]	density mark
Precise leveling in 1901 by D. H. Baldwin.	
From Walton south along New York, Ontario & Western Ry. to Rock Rift.	North, Has
Northfield, 5.95 miles southeast of, southeast corner of bridge, on	- eranps
foundation stone; chiseled square	1, 312. 68
Walton, in front of station; top of rail	1, 233.4
Walton, southwest corner of North and Gardiner streets, northeast	
corner of Ogden Free Library, east face of corner of water table;	1.2.02.
aluminum tablet stamped "1215 Albany 1901"	
Pine, switch crossing; top of southeast rail	
Beerston, at crossing, main track; top of south rail Rock Rift, 0.5 mile north of, 150 feet south of crossing, on east side of	1, 181. 3
track, 4 feet above rail, on face of ledge; aluminum tablet stamped	
"1214 Albany 1901"	1 214 760
Rock Rift, in front of station; top of east rail	1, 226, 8
Leveling in 1915 by K. E. Schlachter.	Hom. Sice
From Hamden west along New York, Ontario & Western Ry. to Walton.	
Hawleys station; top of west rail with painted arrow, painted "t. b. m. 1,259.9"	1, 259. 95
Hawleys station, 0.5 mile southwest of, on ledge in east margin of track; chiseled circle painted "t. b. m. 1,260.9"	
Hawleys station, 1.6 miles southwest of, in west side of concrete cul-	
vert 11; bronze tablet stamped "N. Y. 1251"	
Hawleys station, 3.2 miles southwest of, 525 feet south of mile post	
"N. Y. 184" on east side of stone culvert; chiseled circle painted	
"t. b. m. 1,235.0"	1, 235. 06
Colchester station, 0.25 mile northeast of, in ledge, west side of track; bronze tablet stamped "N. Y. 1254"	1 959 955
Colchester, in front of station; top of rail	
Walton, 1.5 miles north of, in south side of track, on stone culvert;	1, 200. 0
chiseled square painted "t. b. m. 1,248.1"	1, 248, 13
Walton, in southwest corner of North and Gardiner streets, in north-	The same of the sa
east corner of Ogden Free Library, east face of water table; alu-	
minum tablet stamped "N. Y. 1215" (Bull. 281, p. 20)	1, 216. 051
From East Branch along Delaware & Northern R. R. to Downsville.	Chrisman,
East Branch, in northeast corner of concrete foundation of rail-	
dton tonks brongs tablet stamped "N V 1007"	1 007 104

road water tank; bronze tablet stamped "N. Y. 1,007"_____ 1,007.124

East Branch, 1 mile north of, along Delaware & Northern R. R., in	Manager 1
ledge, in northeast corner of intersection with highway; chiseled	Feet.
circle painted "t. b. m. 1,032.0"	1, 032. 24
Harvard station, 0.4 mile south of, in ledge, in east margin of track	, a controlle
chiseled circle painted "t. b. m. 1,057.3"	1,007.01
Harvard, in front of station; top of rail	1,000.1
Harvard station, 160 feet east of, in ledge, south margin of track bronze tablet stamped "N. Y. 1067"	1 066 759
Harvard, 1,2 miles northeast of, in concrete culvert, south side o	f 1,000.102
track, 110 feet south of farm road crossing; chiseled circle painted	to toldat
"t. b. m. 1,099.7"	1, 099, 95
Harvard station, 2.2 miles northeast of, on ledge in south margin o	f
track; chiseled square painted "t. b. m. 1,104.6"	1, 104. 85
Long Flat station, 110 feet east of, in south end of east abutmen	t
of railroad bridge 31; bronze tablet stamped "N. Y. 1102"	1, 102. 685
Shinhopple, 0.9 mile southwest of, in ledge on east margin of track	avitta 30
at farm road crossing; chiseled square painted "t. b. m. 1,095.0"_	1, 095. 23
Shinhopple, in front of station; top of rail	1,096.5
Shinhopple station, 1 mile northeast of, 360 feet west of concret	6 manual
culvert in boulder, south margin of track; bronze tablet stampe	de thebanii
"N. Y. 1088"	1,088.116
Gregorytown, in front of station; top of rail	_ 1, 092. 3 #
Corbett station, 0.8 mile southwest of, on boulder in east margin of track; chiseled square painted "t. b. m. 1094.5"	1 094 75
Corbett station, 450 feet northeast of, in southwest abutment of rail	-dudlock)
road bridge 26; bronze tablet stamped "N. Y. 1105"	1, 104, 986
Colchester station, on northwest abutment of Delaware & Norther	way brin
R. R. bridge 24; chiseled circle painted "t. b. m. 1,096.1"	1,096.29
[Latitude 43° 45'-44°; longitude 75° 45'-76°.]	
	A ALLENDON A A
Precise leveling in 1900 by C. H. Semper.	
Near Watertown.	
Watertown, 2 miles west of, 100 feet north of railroad and 600 feet	t U JIZZODEJ
south of paper mill, stone culvert under railroad, top of masonry	paller 30
north end; chiseled square	_ 381. 77
Primary leveling in 1900 by William Kelley.	PART JUNEAU DE
From Brownville southeast to Watertown (single-spur line).	Walley H
	bounters
Watertown, Arsenal Street, State armory, front face, west end; aluminum tablet stamped "479 Cape Vincent"	478. 087
WATKINS QUADRANGLE.	3700
[Latitude 42° 15'-42° 30'; longitude 76° 45'-77°.]	
Primary leveling in 1898 by W. W. Gilbert.	
From Millport to Burdett.	Walkins ()
Millport, highway bridge over Catherine Creek at Millport House, i	Wathins C
face of abutment at southwest corner; bronze tablet stampe	d 2913302
"709 D"	
Millport, at north line of station; top of rail	_ 750.5
The second control of the second of the seco	

Montour Falls, 1.37 miles south of, south abutment of Northern	Feet.
Central Ry. bridge over highway, on top stone; chisel mark	509.77
Montour Falls, opposite north line of station; top of rail	457.8
Montour Falls, old Schuyler County courthouse, on foundation (base)	
of east pillar, front of courthouse; chisel mark	467. 23
Watkins, 0.5 mile south of station, on southeast corner of north abut-	Jeney to H
ment of Northern Central Ry. bridge over Glen Creek; chisel mark_	461. 47
Watkins, Schuyler County courthouse, in foundation at front, second	
course of stone from top, 3 feet south of northwest corner; bronze	
tablet stamped "476 D"	477. 403
Burdett, at south line of station, Lehigh Valley R. R.; top of rail	1,003.3
	Dorwand
From Burdett southeast along the Lehigh Valley R. R. to Odessa, thence south-	
west to Millport.	
Burdett, 600 feet south of station; in north end of coping, west end	
of culvert under Lehigh Valley R. R.; copper bolt stamped	
"1002 D"	1,003.437
Burdett station, north end of coping, west end of culvert under	
Lehigh Valley R. R.; iron bolt (Lehigh Valley bench mark 309)	1,003.592
Burdett station, 1.37 miles south of, in top course of west end of	
south abutment of railroad bridge over intersection of highways;	
iron bolt (Lehigh Valley bench mark 307)	1, 019. 80
Burdett station, 3 miles south of, 150 feet north of milepost 307, in	
top stone of east end of small culvert under railroad; iron bolt	
(Lehigh Valley bench mark 306)	1, 041. 73
Burdett station, 4.12 miles south of, in face of west abutment of high-	F 1300700
way bridge over railroad, near north end of abutment, 0.12 mile	
south of milepost 306; iron pin (Lehigh Valley bench mark 305)	1, 060, 43
Odessa, 2 miles north of, in top stone at east end of culvert under	and the same
railroad, 450 feet south of milepost 305; iron bolt (Lehigh Valley	
bench mark 304)	1. 071. 01
Odessa, 1.12 miles north of, in top stone at east end of culvert under	
railroad, 250 feet north of milepost 304; iron pin (Lehigh Valley	
bench mark 303)	1, 078, 48
Odessa, 0.12 mile north of, in coping of west end of south abutment	
of railroad bridge over highway; iron bolt (Lehigh Valley bench	
mark 302)	1, 090, 62
Odessa, at south end of station; top of east rail, west track	
Odessa, 550 feet south of station, on west end of culvert under Lehigh	2, 000.0
Valley R. R., in face of coping near north end; bronze tablet	
stamped "1053 D"	1 054 623
	2,001,020
From Watkins west via Watkins station of the Fall Brook division New York	A GLIDTINE
Central R. R. to Townsend, thence south to Beaverdams, thence east to Mill-	
port.	
Watkins, 0.5 mile north of post office, Steuben Street, on northwest	
corner of south abutment of bridge over stream; chiseled cross	624.87
Watkins, opposite south line of station; top of rail	1,003.4
Watkins Glen station, at south line of; top of rail	1,009.1
Watkins Glen station, railroad bridge over Glen Creek, on southeast	
corner of north abutment; chisel mark	1,009.42
Townsend, 2 miles south of, house of W. T. Beebe on east side of	
Beaverdams road, on northeast corner of top step of a flight of	
stone steps leading from the house to the road; chisel mark	1, 342. 56

Beaverdams, 0.75 mile south of, on abutment at northwest corner of iron highway bridge over small stream; chisel mark	1, 234. 32
Beaverdams, in foundation of house of David Beardsley, center of front, second course from top; aluminum tablet stamped "1262 D"_Kendalls, 1 mile northeast of, abutment at north corner of iron high-	1, 263. 179
way bridge over East Creek; chisel mark Millport, 2.5 miles west of, schoolhouse 9, Catlin Township, at south-	1, 260. 93
west corner of building, on footing course of foundation; chisel mark	
From Watkins station north along highway to Reading Center.	
Reading Center, in foundation south side of Baptist Church, 4.5 feet	
from southeast corner, fourth course from top; bronze tablet stamped "1253 D"	
From Burdett north along the Lehigh Valley R. R. to Hector.	
Burdett station, 2.75 miles north of, east side of water tank, north	
pier west of track; iron bolt (Lehigh Valley bench mark 312)	
Burdett station, 4 miles north of, in west end of south abutment of Lehigh Valley R. R. bridge over small stream, 100 feet north of	South Witten
milepost 314, back of house of J. B. Erway; copper bolt stamped	
"939 D" Burdett station, 4 miles north of, in west end of south abutment of	
bridge over small stream; iron bolt (Lehigh Valley bench mark 313)	
WAVERLY QUADRANGLE.	The Street I
[Latitude 42°-42° 15'; longitude 76° 30'-76° 45'.]	
Precise leveling in 1898 by E. L. McNair.	
From Wellsburg east along Eric R. R. to Waverly.	
Wellsburg, 1,800 feet west of station, at southeast corner of bridge 55,	
in coping stone of abutment; aluminum tablet stamped "824 A"	
(probably destroyed, 1917)	
Chemung, 1 mile west of station, at northeast corner of bridge 53	1 1018/157/
across Chemung River, in coping stone of abutment; aluminum	
tablet stamped "804 A"Chemung, in front of Erie Station, westbound track; top of north	
rail some desiration de la company de la com	811.3
Waverly, in front of Erie Station, westbound track; top of north	
waverly, city hall building on Broad Street, stone column between	829. 9
doorways; aluminum tablet stamped "840 A"	839, 336
Primary leveling in 1898 by W. W. Gilbert.	
From Wellsburg north along highway to Breesport, thence east along Lehigh Valley R. R. to Erin, thence north to Park, thence southeast to Van Etten,	
thence south to Waverly.	
thence south to Waverly. Breesport, county buildings, on west face of foundation of brick	
thence south to Waverly. Breesport, county buildings, on west face of foundation of brick structure, 3 feet above ground and 25 feet south of northwest cor-	
thence south to Waverly. Breesport, county buildings, on west face of foundation of brick	

Erin station, Lehigh Valley R. R.; chiseled mark on top of founda-	
tion, 6 feet south of northeast corner	
Erin station, in front of east line of; top of rail	1, 247
Park station, south side of water tank; iron pin in foundation	1 500 00
(Lehigh Valley R. R. bench mark) Park station, at highway crossing; top of rail	
Park station, at highway crossing; top of ran	1, 500. 5
at center of east abutment of trestle (Lehigh Valley R. R. bench	
mark 18)	1, 391, 84
Park Station, 1.75 miles east of, on Lehigh Valley R. R.; iron pin in	
top of south end of east abutment of trestle (Lehigh Valley R. R.	
bench mark 19)	1, 304. 57
Swartwood, east corner of water tank; iron pin in foundation (Le-	
high Valley R. R. bench mark 21)	
Swartwood, in front of station, opposite north line; top of rail	1, 053. 3
Swartwood, front of residence of Benjamin Barnes, center of foundation, north wing; aluminum tablet stamped "A 1054"	1 054 470
Van Etten, Warner Street crossing of Lehigh Valley R. R., Elmira	1, 054. 419
& Cortland branch; top of rail	1, 005, 69
Van Etten, southeast corner of Waverly and Warner streets; water	2, 000, 00
table at northwest corner of new brick building	1, 018. 84
Van Etten Junction, crossing of Elmira & Cortland branch of Lehigh	
Valley R. R.; top of rail	992. 2
Van Etten Junction, 0.87 mile south of, southeast abutment of iron	
highway bridge over Cayuta Creek, 200 feet west of Lehigh Val-	050 00
ley R. R.; iron pin (Lehigh Valley R. R. bench mark) Reniff, southeast corner of highway bridge over Cayuta Creek; chisel	970. 32
mark on shoe	916. 94
	020.02
WAYLAND QUADRANGLE.	
[Latitude 42° 30'-42° 45'; longitude 77° 30'-77° 45'.]	
Primary leveling in 1901 by C. H. Semper.	
From South Livonia along Erie R. R. to Wayland, thence east to Atlanta.	
Webster Crossing, 900 feet north of station, road crossing; top of rail	1, 339. 1
Webster Crossing, Hill & Webster's general store, north face near	
northeast corner; bronze tablet stamped "1363 Rochester 1901"_	1, 362. 428
From point 2 miles east of Hemlock south along highway to Springwater.	
Canadice, northwest corner of church sheds, at margin of roads, on	
large rock foundation; aluminum tablet stamped "1569 Roches-	1 500 055
ter 1901 "Tabor Corners, in west face of schoolhouse, aluminum tablet stamped	1, 908. 899
Thou corners, in west face of schoolings, aranimam tablet stamped	
"1863 Rochester 1901 "	1, 862, 338
"1868 Rochester 1901"Springwater, schoolhouse on road to station, in front face at north-	1, 862. 338
"1868 Rochester 1901" Springwater, schoolhouse on road to station, in front face at north- east corner; aluminum tablet stamped "970 Rochester 1901"	1, 862. 338 969. 707
Springwater, schoolhouse on road to station, in front face at north- east corner; aluminum tablet stamped "970 Rochester 1901"	
Springwater, schoolhouse on road to station, in front face at north-	
Springwater, schoolhouse on road to station, in front face at north-east corner; aluminum tablet stamped "970 Rochester 1901" From Wayland west along Delaware, Lackawanna & Western R. R. to Grove-land.	
Springwater, schoolhouse on road to station, in front face at north- east corner; aluminum tablet stamped "970 Rochester 1901" From Wayland west along Delaware, Lackawanna & Western R. R. to Grove-	969. 707

PRECISE AND PRIMARY LEVELING.	195
Wayland, road crossing near Delaware, Lackawanna & Western sta-	
tion; top of rail	
Dansville, station of Delaware, Lackawanna & Western R. R., south-	1, 020. 1
east corner of foundation; aluminum tablet stamped "1024 Roches-	
ter 1901"	1,022.980
WEEDSPORT QUADRANGLE,1	
[Latitude 43°-43° 15'; longitude 76° 30'-76° 45'.]	
Primary leveling in 1898 by D. E. Baxter.	
From Sterling station south along the Lehigh Valley R. R. to Cato, thence southwest along highway to Conquest, thence south to Port Byron.	
Ira, highway crossing 200 feet north of station; top of east rail, main	419.7
Ira station, about 700 feet southwest of station, in northeast corner	410. 1
of water table of brick house; bronze tablet stamped "430 Oswgo"_	431. 585
Cato, highway crossing 200 feet north of station; top of east rail,	
main track	419. 0
Cato, northwest corner of Main and North streets, southeast corner of water table of brick building; aluminum tablet stamped "461	
Oswego"	462, 811
Conquest, 0.6 mile south of, east side of road, in south side front of	
brick house, in water table; bronze tablet stamped "449 A"	450. 454
Port Byron, West Shore R. R.; top of north rail	396. 8
Port Byron, Canal Street highway bridge over Erie Canal, east wing	406. 63
of towpath abutment; copper bolt Port Byron, highway bridge just east of Canal Street, east wing	400.05
of towpath abutment; copper bolt	407. 54
Port Byron, lock 52, fourth step from west end of north side lock	
pier; copper bolt (N. Y. 352)	403. 279
Port Byron, lock 52, east hollow quoin south side of lock; head bolt stamped "404 A"	406, 005
stamped "404 A"	400.003
From Montezuma and Weedsport, set from State engineer's bench mark.	
Montezuma, in northeast corner of Methodist Church, Auburn Street,	
in foundation masonry; bronze tablet stamped "417 Oswego"	417. 449
Weedsport, Methodist Episcopal Church, on south side of Brutus	
Street, in front face of east end of foundation wall; bronze tablet stamped "433 Oswego"	433, 256
stamped "433 Oswego"	455, 250
WELLSVILLE QUADRANGLE.	
[Latitude 42°-42° 15'; longitude 77° 45'-78°.]	
Precise leveling in 1898 by E. L. McNair.	
From Scio east along Erie R. R. to Tip Top summit.	
Scio, in front of Erie station; top of south rail	
Wellsville, at east end of Eric station; top of north rail	

¹ See Bull. 514, pp. 88-90, for other elevations.

corner entrance; aluminum tablet stamped "1516 D" (reset)____ 1,517.514

Wellsville, Union School building, in footstone of arch over northeast

130 STIMI LEVELING IN MEW TORK, 1000, 1012 1010	
Andover, 3 miles west of, stone steps of iron-girder railroad bridge 8; bronze tablet stamped "1573 D"	
Andover, in front of Erie station, main track; top of south rail	1, 650. 2
Andover, 2 miles north of, stone foundation at southeast corner of small railway bridge; bronze tablet stamped "1675 D"	
Tip Top summit, opposite water tank; top of south rail	1,773.2
WEST CANADA LAKES QUADRANGLE.	
[Latitude 43° 30'-43° 45'; longitude 74° 30'-74° 45'.]	
Primary leveling in 1898 by C. H. Semper and M. S. McDiarmid.	

The Transfer continues wie West Comede Takes and Codes Takes to

From Honnedaga northeast via West Canada Lakes and Cedar Lakes to Little Moose Lakes.

Honnedaga, 7.8 miles east of, 250 feet east of ford of West Canada	
Creek, near head of Second Stillwater, in boulder; aluminum tablet	
stamped "2168 A"	2, 168, 067
Mud Lake dam, 125 feet north of sluice of, 100 feet north of Indian	
hut, in large white boulder; aluminum tablet stamped "2356 A"	2, 355. 722
Buck, 400 feet east of Cedar Lake, on trail to Speculator, northwest	
corner of camp; copper bolt stamped "U. S. G. S. B. M. 2472 Ft. A"_	2, 472, 429

From Little Moose Lake west to Fawn Lake.

Little Moose Lake, 200 feet from, in rear of log house, in large rock	;
copper bolt stamped "2143 A"	_ 2, 144. 184
Little Moose Lake, 4.5 miles west of, on road to Kenwells, 0.3 mil	le
west of Silver Run, at summit of hill, in large rock 5 feet south of	of
road; aluminum tablet stamped "2049 A"	_ 2, 049, 583
Kenwells, 3,150 feet northeast of, north side of road to Fourth Lak	e
and Wakely dam, in large rock; aluminum tablet stampe	d
"1854 A"	_ 1, 855. 475

From Third Stillwater, West Canada Creek, southeast to Spruce Lake.

Spruce Lake, east side of, at Clark's camp, in large boulder; copper	
bolt stamped "2382 A"	2, 382. 139

WESTFIELD QUADRANGLE.

[Latitude 42° 15'-42° 30'; longitude 79° 30'-79° 45'.]

Primary leveling in 1898 by E. L. Faison.

From Mayfield north to Prospect, thence west to Westfield, thence northeast to West Portland.

Prospect, foundation of Western New York & Pennsylvania Ry.	
station, in northeast corner; bronze tablet stamped "1213 D"	1, 214. 183
Westfield, in northwest corner of masonry foundation of public-	
school building, 2.5 feet above ground; bronze tablet stamped	
"748 D"	748. 900

From Mayville west to Volusia.

Volusia,	foundation	of	Methodist	Church,	in	front	of	south	side;		
bronze	tablet stam	ped	"1557 Du	nkirk 190	2 ".					1 556. 785	

WHITE LAKE QUADRANGLE.

Primary leveling in 1904 by G. M. Dimmick.

From Forestburg south to Mongaup.

Forestburg, in foundation wall of Catholic Church, south end of east	Feet.
face: bronze tablet stamped "1241 Albany 1903 Adj"	

WILMURT QUADRANGLE.

[Latitude 43° 15'-43° 30'; longitude 74° 45'-75°.]

Primary leveling in 1897 by E. L. McNair and in 1898 by M. S. McDiarmid.

From Hubbard Hotel south to Ohio.

Wilmurt, 3 miles west of, 0.18 mile east of Hubbard Hotel, 60 feet	
south of road, 25 feet east of fence, in meadow; chiseled point on	
painted boulder marked "E" (State bench mark)	1, 276. 32
Ohio, 750 feet west of corner near church, 1,200 feet east of school-	
house and 80 feet north of road, in field belonging to G. Johnson;	
copper bolt stamped "1374 R"	1, 373. 809

From near Wilmurt northeast via Nobleboro to Honnedaga Lake.

Wilmurt, 0.7 mile west of, 165 feet east of Henry Paull's hotel, in	
pasture, 70 feet south of center of road; bronze tablet stamped "1402 Ft. R"	1, 401. 249
Nobleboro, 225 feet east of hotel, 4 feet from fence on north side of road, on small boulder; chiseled square	
Nobleboro, 2.4 miles north of, 225 feet west of Haskell Hotel, 8 feet	
south of center of road, on large boulder; chiseled point (State bench mark 9)	

From Salisbury Center north along road to Morehouseville.

[The error distributed in this line is excessive.]

Jerseyfield Lake	e, 200 feet west of outlet, 100 feet south of lake, in	
yard of Mrs.	Williams's tenant house, on large boulder; tablet	
stamped "194	1 A" 1,	941. 916

From Nobleboro to Morehouseville.

Morehouseville, 940 feet east of road south from post office, 425 feet east of schoolhouse, 15 feet south of center of road to Piseco Lake, in flat ledge; copper bolt stamped "1909 Ft. B. M." (reset 1912)__ 1,909.720

WINFIELD QUADRANGLE.

[Latitude 42° 45'-43°; longitude 75°-75° 15'.]

Precise leveling in 1901 by D. H. Baldwin.

From Clayville south along Delaware, Lackawanna & Western R. R. to Richfield Junction.

Clayville, in front of station; top of east rail	985.4
Richfield Junction, in front of new station; top of east rail, main	
track1	. 176. 7

Richfield Junction, 0.36 mile south of, on south end of foundation wall of wooden trestle bent under overhead highway bridge, west side of track, aluminum tablet stamped "1221 Albany 1901"Richfield Junction, 1.15 miles south of, about 250 feet north of red tool house, summit of railroad; top of east rail	Feet. 1, 221, 512
Primary leveling in 1909 by G. M. Dimmick.	
From Bridgewater east along the Delaware, Lackawanna & Western R. R. to Richfield Springs.	10 3,9010
West Winfield, 134 feet east of station and on line with south end of same and 19 feet north measured at right angles from center line of present main track, in east concrete monument, 6 inches in diameter in center of park at station; bronze tablet stamped "1182 Albany 1903 Adj"	1, 182, 308 1, 214, 16
Cedarville, in foundation wall of station, east end, north face; bronze tablet stamped "1292 Albany 1903 Adj"	1, 291, 955
Millers Mills, in foundation wall of station, north end, east face; bronze tablet stamped "1410 Albany 1903 Adj"	1, 409. 826
Millers Mills, 2.64 miles east of; top of milepost 304	1, 472. 14
South Columbia, in foundation wall of Methodist Church; bronze tablet stamped "1476 Albany 1903"	1, 476, 007
South Columbia, 2.02 miles east of, top of railroad iron milepost 808_	1, 343. 49
From Norwich Corners southeast to Millers Mills.	
Jerusalem Hill, in foundation wall of Jerusalem Church, 24 inches above ground; bronze tablet stamped "1532 Adj 1903"	1, 531. 843
From Millers Mills northeast along highway via Columbia Center to Mohawk.	
Columbia Center, 4.16 miles east of Cedarville, in foundation wall of Methodist Church, south end of west face, bronze tablet stamped "1532 Adj 1903"	
From West Winfield southeast along highway to Schuyler Lake.	
Plainfield Center, in foundation wall of the Congregational parsonage, west end of south face; bronze tablet stamped "1756 Adj 1903" West Exeter, in foundation wall of the store of Denis Harrington, north end of west face; bronze tablet stamped "1320 Adj 1903" Exeter, in wall of stone store occupied by P. J. Horan, north end of west face; bronze tablet stamped "1656 Adj 1903" Schuyler Lake, in wall of Universalist Church, south end, west face;	1, 319. 666
aluminum tablet stamped "1313 Adj 1903"	1, 312. 548

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